

Flood of June 22, 1972

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0	Year	Title of Newspaper Article	x	Key Words
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Year - Articles are all sorted by year

Title of Newspaper Article – Name of article

x – Separator between columns

Key Words – Key words in article

0	Year	Title of Newspaper Article	Key Words
9	June 13, 1972	Flood Peril Cited for Wickenburg	X Land Use, Hassayampa River, Flood Plain, Wickenburg, U.S. Corps of Engineers, Maricopa County Supervisors, Study, Downtown Wickenburg, Buried Under 4 1/2 Feet of Water, Col. Harry McK. Roper, Farmed, Residential, Board of Supervisors, Upstream, September 1970, Flooded, Roadside Park, U.S. 60, Flood Control Bond, Voted Down, Col. John C. Lowry, Maricopa County Flood Control District, Legislation
10	June 14, 1972	Flood Insurance Urged Here	X Flood, Rapid City, S.D., Scottsdale Residents, Public Works Director Marc Stragier, Flood Insurance, Flood-prone Areas, Thundershower Season, Hazardous Season, Summer Rains, Walt Raketich, Warren Viets, U.S. Corps of Engineers, Rate, Arizona Canal, Indian Bend Wash, Various Rates Established, Level of Hazard, Summer Flooding, Clearing Drainways, Flood Control Equipment, Sandbags, Plans, Emergencies, Arizona Canal Bank, Runoff, East of 76th Street, Thomas and Indian School Roads, 82nd Street, Vista Drive and Jackrabbit Road
8	June 17, 1972	Floodgates Don't Work - Machinery Needed (& Picture)	X Floodgates, Arizona Canal, Indian Bend Wash, Rainy Season, Channel Downstream, Overflow, Salt River Project, U.S. Corps of Engineers, Wash, Risk Flooding Homes, Rain Swelled Waters, Canal Banks, Public Works Director Marc Stragier, Excavate the Channel, Debris, Excess Dirt, Gate, Flow of Water
2	June 22, 1972	Good Samaritans Emerge from Storm - Dreamy Draw Becomes Floody Nightmare	X Torrential Rains, Dreamy Draw, Floods, Arizona Canal, East Phoenix, Muddy, Debris-laden Water, Canal Bank, North 16th Street, Two to Three-foot Water, Joseph Kolecany, Bryan Osborn, Darvie Randall, East Lincoln Drive, 36th Street, Tatum Boulevard, Sheriff's Deputy Jim Horner, Deep Mud and Water, Thunderclaps, Lightening Flashes, Downpour
2	June 22, 1972	Rain Damage is Assessed for U.S. Aid (& Picture)	X Col. Carl N. Smith, State Director of Emergency Services, Gather Data, Damage, Federal Agencies, Assistance, Small Business Administration, Emergency Transportation Agency, 200 Hundred Roofs Stripped, High Winds, Shea Boulevard, Century County Club and Scottsdale Road, National Guard, Evacuees, Thunderbird Academy and Cocopah School, Scottsdale Area, Governor Williams, Red Cross, Prevent Looting, Howard Ryder, Maricopa County Civil Defense, 40th Street and Indian School, Flooded, Cascade Apartments, 36th Street and Campbell, Salt River Project, Crop Damage, Queen Creek, Cotton Stripped Away, Storms, Financial Assistance, Flash Flooding, Coconino, Yavapai and Navajo Counties, Local Civil Defense, Papago Park, First Baptist Church, 19th Avenue and Roser
2	June 22, 1972	Flood Victims - Red Cross Sets Up at School	X American Red Cross, Flooding, Chuck Smith, Director of Public Relations, Bill Patterson, Rained-out Home Owners, Northeast Scottsdale, Salt River Project, Opening the Gates, Hayden Road, Arizona Canal, Col. Carl N. Smith
2	June 22, 1972	And Where've You Been, Boss Man? - Rain Tests Patience, Mobility (& Picture)	X Rain, Phoenix, Downpour, Bad Weather, Whitecap on Waves, North of Thomas, Cars Stalled, Central Avenue, Dreamy Draw, Flood Waters
59	June 22, 1972	Floods Swirl Through Valley (& Picture)	X Flood Waters, Phoenix, Valley, Labor Day 1970, One Death, Motorists, Missing, River-deep Floods, Seventh Avenue and Campbell, Arizona Canal, Give Way, Storm, Tornado Damage, National Weather Service, Sky Harbor International Airport, Previous Wettest June, Records Began in 1895, .95 of an Inch in 1955, 28th Street and Highland, 4.28 Inches, Canals, Overflowing, Flood Danger, Traffic Signals, Wiped Out, Maricopa and Black Canyon Freeways Closed, Interstate 10 and I-17 Closed, Scottsdale, Flooding, Indian Bend Wash, Skunk Creek, Camelback Mountain, Rock Slides, Sand Bags, Homes, Flooded, Six Inches of Water, Seventy-five Homes Destroyed, Tornadic Winds, Heavy Damage, Injuries, Six Tornado Funnels, Storm Exploded, Eloy, Cotton Town, Severely Damaged, Air Filled with Debris, Leo Delsando, Maricopa, Trailers Overturned, Glendale, 21 Trailers Turned Over, 50 Heavily Damaged, Eastside Tucson Homes, Red Cross, Counterpunch, Hail, High Winds, Heavy Rainfall, Phoenix Fire Department, Arizona Public Service Company, Tornado-force Winds, Power Poles, Lincoln Drive and 64th Street, APS, 22 Feeder Lines, Wiped Out, Electrical Blackout, 32nd Street and Cactus Area, Van Buren West from 19th Avenue, Central Avenue, Salt River, Salt River Bridge, Tempe, Dobbins Road, Mesa, Emergency Evacuation Plans, Maricopa County Sheriff's Office, Mummy Mountain, Willard L. Groene, Voluntary Weather Observer
60	June 22, 1972	The Scene Last Night... (Pictures)	X APS Crews, Electrical Lines, Cars Damaged, Carports Collapsed, Flooded Streets, Stranded, Roof of One Home, Desert Cove, Scottsdale Road, McCormick Ranch
60	June 22, 1972	...Looks Worse by Day (Pictures)	X Workers, Debris, Arizona Canal, Rushing Waters, City Streets, Volunteers, Sand Bags, Lafayette St., River, Canal Breaks, Truck Stalled, Deep Water

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61	June 22, 1972	Tornado, Flood Slug City	X Scottsdale, Tornadic Winds, Roofs from Homes, Heavy Flooding, Canal Breaks, Storm, Five-mile Swath, Scottsdale, Phoenix and Paradise Valley, Damage, 200 Homes, Injured, Scottsdale Rural Fire Department Chief Lou Witzeman, 60th Street and Shea Boulevard, Bell Road, Winds, Two Inch Rainfall, Roadways, Three and Four Feet of Water, Mayor Bud Tims, Wind and Rain Storms, Disaster, Civil Defense Workers, Two Persons Electrocuted in Storm, Water Flow, Arizona Canal, Indian Bend wash, Arizona Public Service Co., High-voltage Wires Downed, Danger of Gas Escaping, Broken Lines, Spokesman Ted Dando, 17 Feeder Lines Down, Crews fro Prescott and Flagstaff, Scottsdale Airport, Airplanes, Tenpins, Lincoln Drive, 60th Street, Helicopters, Luke Field, Flooding, Floodgates, Robert March
61	June 22, 1972	Storm Classes 'Full Tornado'	X Tornado, Meteorologist Willard Groene, Mummy Mountain Observatory, Barometer Registered 'Double Pip', Tremendous Change in Temperature - 40 Degrees, 30 Miles Per Hour, Wind Blowing All Directions, Turbulence, Storms path, Scottsdale, Did Not See Tornado Funnel
61	June 22, 1972	Empty Shell (Picture)	X Home, 62nd Street and Shea Area, Damaged, Tornado, North Scottsdale, Northeast Phoenix, Heavy Rains, Flooding, Arizona Canal, Broke, Safari Hotel
61	June 22, 1972	Victims Tell Experiences	X Thomas A. McGinn, Thunderous Winds Hit Their Home, Shea Boulevard, Storm, Roof Was Gone, Scottsdale, North Phoenix, Paradise Valley, Tornadic Winds, Mrs. James Reabe, Inundated, Robert C. Runjons, Mrs. Ronald R. Young, Hailstones, Size of Ice Cubes, Roof and Ceiling Caved In, Fences Torn Apart, Mud-clogged Side Streets, Scottsdale Road, Shea Boulevard, Debris-filled Dirt Roads
61	June 22, 1972	In 4 Places Canal Breaks (& Picture)	X Arizona Canal Broke, Four Places, McDonald Drive, Indian Bend Wash, Salt River Project Engineers, Break the Canal, Water, Building Up, Flooding, Homes, Floodgates, Not Operable, Machinery Not Installed, SRP, Rights-of-way, Acquired, 68th Street and Indian School Road, 2 1/2 Feet Flooding, East-west Arterials, East Scottsdale, Salt River Bridge, Tempe, Air Force, National Guard, Helicopters, Vista del Camino, McDowell Road, Evacuate, Mummy Mountain, McDowell Mountain, Tornado, Flow, Irrigation, Overflowed, Runoff Water, Heavy Rain, Scottsdale Residents, Labor Day 1970, Mohave Area
61	June 22, 1972	Following Tornado - Emergency Room Brisk, Calm	X Scottsdale Memorial Hospital, 50 Patients, Ambulances, Victims of Last Night's Tornado, North Scottsdale Rd., Wall Collapsed, Nurses Truele Weiss and Susan Peluso, Sylvia Bridwell. Storm Victim, Flooded Streets, Downed Power Lines, Damage, Emil Zola Street, Sliced Top of Building Off
61	June 22, 1972	Disaster Ruling id Sought Here	X Storm-Ravaged, Scottsdale, Paradise Valley, Phoenix, Disaster Areas, Governmental Aid, Victims, Governor Jack Williams, Acting Governor, Secretary of State Wesley Bolin, Car Stalled in Flood Waters, Stan Goldberg, District Director, U.S. Small Business Administration, SBA, Low-cost Loans, Tornado, Flooding
62	June 22, 1972	Cleaning Up (Picture)	X Cleaning Up, Mrs. E.W. Baker, Two-day Storm, Insurance, Financial Loss, Home
63	June 22, 1972	Troops Sent to Storm Area - Valley Damages Mount (& Pictures)	X Governor's Office, Arizona National Guard, Air Force, Phoenix, Floodwaters, Swamped, Central Arizona, Bob Macon, Gov. Jack Williams, Luke Air Force Base, 10 Trucks, Paradise Valley, Northeast Phoenix, Police, High Winds, Three Tornos, Injured Persons, Four Breaks, Irrigation Canals, Flood Waters, Helicopters, Rescue Victims, Col. Carl N. Smith, State Director of Emergency Services, 4.2 Inches of Rain, National Weather Service, 1.64 Inches, Scottsdale, Flooded Indian Bend Wash, No Bridges, Flash Flood Warnings, Camelback Mountain Area, Near-disaster Area, Rock and Mud Slides, Rains, Arizona Highway Patrol, Flooding, Close, Black Canyon Freeway, Salt River Project, Flood Gates, Salt River Bed, Arizona Public Service, Power Outages, Eloy, Maricopa, Digging Out, Debris, Two Tornos, Mesa, Leo Delgado, Wind and Rain, High Winds, Destroyed Some Homes, Ripped Roofs, Mobil Homes, Beverly Neff, Tucson, Horizontal Sheets of Rain, Porch Go Up In Rain, Donna Kelley, Hail, Glendale, West Phoenix, Size of Ice Cubes, Live Electrical Wires, Gila, Pinal and Maricopa Counties, Dry Creek Beds, Arroyos, Thunderstorms, Mountain Ranges, Arizona City, 200 Homes, Damaged, Destroyed, Pima Road Crossing, Arizona Canal, Runoff, Duck, Arizona Canal Flood Gates, Scottsdale Rd. and Camelback Road, Old Cotton Gin Roof Torn Off
64	June 22, 1972	Flood of June 22, 1972 Indian Bend Wash, Maricopa County, Arizona	X Various Storm Reports and Correspondence

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3	June 23, 1972	Boil Water, Flood Areas Told (& Pictures)	X Maricopa County Health Department, Paradise Valley, Scottsdale, Flooded Areas, Boil Drinking Water, Contamination, Flooded Septic Tanks, Infiltrated Wells, Dr. Ellis D. Sox, Deputy Director, Water Samples, North, Bell Road, West, 40th Street, South, Indian School Road, East, Pima Road, Phoenix City Water, Food, Spoiled, Public Sewers, Avoid Danger, Hyperchlorinate, National Weather Service, Tornado, William Jett, Russ Kress, 16th Street and Camelback, Karen Hanson, 24th Street, Steve Ziegler, Flood Waters, 65th and Shea, Susan Parker, Sandy Berlin, Camelback and 24th Street
6	June 23, 1972	Desert Tranquility Turns to Violence at Newcomers' Home (& Pictures)	X Ruel A. Sports, Four-foot High Wall of Water, Arizona Canal, Camelback and 38th Place, Seven-foot High Concrete Block Wall, Raining, California, Red-brown Mud, Phoenix, Customs Port Director, Sky Harbor Airport, Flooding, Irrigation, Muddy Water
47	June 23, 1972	It Looked Even Worse for Air (& Pictures)	X Natural Disaster, Scottsdale-Paradise Valley, Tornado, Flood, Large, Deep Puddle, No Roofs, Winds, Homes, Splintered Lumber, Rains, Flood Waters, Livestock, Muddy Waters, Large River, Brown with Mud, Scars, Cut Into Earth, Coronado Golf Course, McDowell Road
47	June 23, 1972	Canal Broken by City (& Pictures)	X Indian Bend Wash, Peak Flow, Arizona Canal, Bank Was Broken, City of Scottsdale, McDonald Drive, Salt River Project, SRP, Flood Gates, Intentional Break, Downstream, Excessive Flow, Runoff, Sued, Owners of Homes, Irrigation Water, Heavy Rain, Scottsdale Road and Camelback
47	June 23, 1972	Flood Punished Phoenix, Too	X Flood Waters, Phoenix Area, Debris, Homes, Businesses, Server Thunderstorm, Flooded Streets, Freeways, Canals Broke, Swirling Rain Water, Several Feet of Standing Water, Bob Ingram, National Weather Service, Three and Four Inches of Rain, Two Hours, East Phoenix, Rain Gauges, Scottsdale Area, Storm Flooded Low-lying Residential Areas, Knee Deep Water, Electrical Power, Arizona Public Service Co., Meadowbrook Substation, Four Feet of Water, APS, Col. Carl. N. Smith, State Director of Emergency Services, Gov. Jack Williams, State of Emergency, National Guard Troops, Streets, Flooding, Rain Water, Freeways, Under Water, Highway Patrol, Inundated by Mudslides
47	June 23, 1972	City Workers Ready for Emergency	X City Employees, Pressed Into Service, Storm warnings, Scottsdale, City Public Works Director Marc Stagier, Barricaded Streets, Sandbags, Expected Runoff, Storm Water, City Manager Dale Carter, Red Cross, Command Center, Shea and Scottsdale, Police Operations, Public Works Offices, Flood Water, Clear Debris, Shea Boulevard and Pima Roads, Inspectors, Service Representatives, Homeowners, Storm-damaged Area, Insurance Carriers
48	June 23, 1972	Sun Emerges in Wake of Storm	X Mud-covered, Flood-ravaged Phoenix, Valley, Robert S. Ingram, Meteorologist, National Weather Service, One of Worst Storms in History, Cleanup, Rebuilding, Insurance, Drowning Victim, Lake on Villa Monterey Golf Course, Keith Brockman, Carl Wilson, Rain, Damage, Downpour, 3 to 4 Inches of Rain, Two Hours, Furniture Floated, Automobiles, Washed Away, Over-flooded Canal Banks, Walls of Canals, Gave Way, Flooded Conditions, Streets Caved In, Deserts of Central Arizona, Swamps, Massive Storm, Baja California, Widespread Damage, Irrigation Canals, Ruptures, Sunnyslope, Central Phoenix, Tornadoes, North Scottsdale, Paradise Valley, Popping Roof Off, 100 Families to Emergency Shelters, High Winds, Tropical Air, Ruel A. Sports, Governor Williams, Arizona National Guard, Luke Air Force Base, Flood Victims, Freeways, Closed, Maricopa-Black Canyon Freeway, 19th Avenue to Van Buren, Hayden Road, Scottsdale-Tempe Boundary, Salt River Bed, Maricopa County Sheriff's Office, Shea Boulevard, Indian Bend Road, Roosevelt and McKellips, Doubletree Road, 56th Street to 64th Street, Stanford, 40th Street to 36th Street, Lincoln Drive, Power Lines Down, Luke Air Force Base, Indian School Road, Grand Avenue, 50 Families, Homeless, Mountain Bell Telephone Co., Health Officials, Boil Drinking Water, Bags with Sand, Maricopa County Health Department, Typhoid Shots
48	June 23, 1972	You May Want to Bawl' - Storm's Misery Described	X Storm, Max Downey, Shea Boulevard, West of Tatum, Homes Were Hard Hit, Injured, Ceiling Fell, Mrs. Ed Carnell, Tornadic Winds, Water Seeping Underneath Baseboards, Living Room a Wading Pool, Damage, Mud, Moving Water, Five to Seven Feet Deep, Roof, Blown Off, Waist-high Water, Power Poles Snapped Off, Repairs, Snakes, Acute Danger, Swimming Rattlers, Deluge, Mrs. Archer McNeil, 4.5 Inches of Rain, Arizona
48	June 23, 1972	Neighborhood Becomes Swamp (Picture)	X Floodwaters, North Scottsdale, Aerial Photo
48	June 23, 1972	Lost Bike (Picture) (Back Side of Page)	X Bicycle, Snagged on Log, Floodwaters, Scottsdale, Tragic Storm

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49	June 23, 1972	Valley Flood Water Drops (& Picture)	X Flood Waters, Scottsdale, Maricopa Freeway, Southwest Phoenix, Flooded Washes, Repair Damage, Heavy Rains, Tornadoic Winds, Breaks, Irrigation Canals, Central Arizona Deserts, Record-breaking Drought, Marsh Lands, Massive Storm, Mexico, National Weather Service, Showers, Storm Damage, Phoenix Area, Mountain Arroyos, Creeks, Spilled Over, Banks, Collapsing, Flooding Residential Homes, Snarling Traffic, Power Outages, Wall of Water, Ruel A. Sports, Police, Minor Injuries, Gov. Jack Williams, Arizona National Guard, Luke Air Force Base, Water, Eight Inches Deep, Mrs. Katie Munguia, South Phoenix, Canal Waters, Scottsdale Area, Extensive Flooding
49	June 23, 1972	Water Carefully Picks Way Down Dry Salt River Bed (& Picture)	X Salt River Bed, Country Club Drive Crossing, North of Mesa, Tempe, 1965, Heavy Rain, Salt River Project, Granite Reef Dam, Mesa-Scottsdale Highway Link, Concrete Culverts, Holes Gouged Deep by Gravel Pit Operations, Maricopa County Sheriff's Deputies, Enforcement Officers, Mesa Police, Barricades, Alma School Road, McClellan, Debris, Bridge and Culverts, Cans and Tumbleweeds, Craggy Canal, Scottsdale and Paradise Valley, Cave Creek and Carefree, Verde River, Bartlett Dam, SRP, Granite Reef Dam Gates
50	June 23, 1972	3rd Flood --3rd Family -- Same House (& Pictures)	X Water and Mud, Arizona Canal, Flooded, Home, Ruel A. Sports, Rain, Wall of Water, 7 - Foot-high Wall, Filthy Sludge, Flood Insurance, Broken Canal, John A. Langston, Flood Danger, Salt River Project, Arizona, U.S. Customs Port of Entry Office, Sky Harbor International Airport, Syl Heinemann, Sunland Realty Co., Plans for a Diversion Canal, Adair Sports, Air Force Rescue Helicopter, Chaparral Road and Indian Bend Wash
51	June 23, 1972	No Kidding (Picture)	X Flood Waters, Valley, Devastating Storm, Inundated, Phoenix, Paradise Valley and Scottsdale, Salt River
52	June 23, 1972	Wait Until it Dries' - South Phoenix Takes Flooding in Its Stride (& Pictures)	X Water, 8 Inches Deep, Mrs. Katie Munguia, South Phoenix Home, Storm, Valley Residents, Downpours, Flooding, Rainfall, Overflow, Brimming Canals, Irrigation Ditches, 13th and Yuma Streets, Outhouses, Mrs. Iva Mae Valencia, Lorenzo Aragon, Barricade Streets, Damage, Teresa Morena, Debris and Mud, Central Avenue, Indian School Road, Overflowing Manhole, Third Street and Oak, 12th Street at Kaler
52	June 23, 1972	More About - Emotions From Storm	X Bell, Hearn Road, Muddy Pool, Greenway Road, Mr. and Mrs. P.E. Robinson, Windstorm, Tornado, Tempe, Salvation Army, Scottsdale Authorities,
52	June 23, 1972	Valley Storm Had Its Origin in Hurricane (& Picture)	X Arizona's, Unpredictable Weather, Storm, Water-laden Tropical Air, Gulf of California, Low Pressure, Phoenix Weather Bureau, Salt River Valley, Pinal and Pima Counties, Mild Hurricane, Coast of Mexico, Sierra Madre Range, Unstable Air, Phoenix Northeast, Dreamy Draw, Cave Creek - Carefree Area, Precipitation, North of Salt River, Heaviest Rainfall, Deluged, 28th Street and Highland, 3.36 Inches, 36th Street and Altadena, 3.75 Inches, North Scottsdale, 1.11 Inches, Glendale, Alhambra, Central Deer Valley, Cloudburst, Western Deer Valley, Heaviest Flooding, East of Cave Creek Flood Control Dam, Dry, Floodwaters, Saddleback Wash, Cave Creek and Bell Roads, Lower Cave Creek, Cactus Road Crossing, Cave Creek Road, Paradise Valley, Sheet of Slowmoving Floodwaters, Pima Road, McDowell Mountains, Sandwashes, Muddy Waters, Rivulets, 64th and 68th Streets, Shea Boulevard, Strong Wind, Walls and Roofs, Strong Torrents, Indian Bend Wash, Scottsdale Road, Arizona Canal, Salt River Project, Indian Bend Wasteway, City of Scottsdale, Capitol, McDowell
52	June 23, 1972	More About - Floods Cover Valley Streets	X Weather, Mummy Mountain, 2.9 Inches, Intense Rain, Water, Slopes, McDowells, Paradise Valley, Indian Bend Wash, Scottsdale Road, Salt River, Salt River Project, New River, West of Phoenix, Foot Deep, Drenching, Streets, Unpaved Alleyways, Caved In, Barriers, Interstate 10, Interstate 17, Maricopa and Black Canyon Freeways, Closed, McDowell Road, 19th Avenue, Deep Water, APS, Valley, North Scottsdale, Phoenix, Meadowbrook Substation, 12th Street and Campbell, 4 Feet of Water, Drownings, 64th Street and Shea Boulevard, Ray Parker, Mr. and Mrs. Norwood Parker I, Storms, Lightening Flashes, Thunder, Hail, Hailstone, Frozen, Hail Damage, Peoria, Defoliate, Flood Victims, Helicopter, Col. Carl N. Smith, State Division of Emergency Services, Gov. Williams, National Guard, Luke AFB, Scottsdale-Paradise valley, Marshall Ronald Dalrymple, Invergordon and Mockingbird lane, Tonto National Forest, Brush Fire, Lightening, Four Peaks, Maricopa Board of Supervisors, Phoenix Police Department, Rescue, Traffic Signals, Weather Service, Airport, 1.64 Inches of Rain, June Driest Month, Former Record of .95, 1955
52	June 23, 1972	-- Concern is Weather	X South Eloy, Debris-covered, Roof Off, Storm, Cleanup, Tree Limbs, Maricopa, Gale, Eloy City Manager Rosbach, Tornado, Mayor Horace Cheslay, Superior, Twisting Black Funnel, Twister

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53	June 23, 1972	Progress Photos by Dennis Carroll, Bob Snider, Lee Pierce and Jerry Ford (Pictures)	X Arizona, Debris, Tornado, Rainstorm, Damage, Mayor Bud Tims, Scottsdale Residents, Tornadic Winds, Shea Boulevard, Homes, Explode, City Public Works Director Marc Stragier, City Manager Dale Carter, City Facilities, Drowned, Raging Waters, Indian Bend Wash, Villa Monterey Golf Course, Ray Parker, Mr. and Mrs. Norwood Parker I, Flooded Waters, Shea Boulevard and 64th Street, Scottsdale Rural Firemen, Helicopter, Flood Damage, Arizona Canal, Safari Hotel, Evacuate, City Firemen, Removed Powdered Chlorine, Inundated Sun Valley Pool Co., Robert Barrett Taylor, Chlorine Poisoning, Explode, Burst Into Flame, City Engineer George Ianella, 150 Homes Destroyed, City Parks Superintendent Bill Ensign, Flood in Wash, Eldorado Park, Lowlands, Vista del Camino, Ripped Out Sidewalks, Picnic Ramadas, Floated, McDowell Road, Scottsdale Radio Station KDOT, Jim Rollinson, Don Martin, McDonald Drive, Bulldozer, Break in the Banks, Save Residents, Inundate, Federally-subsidized Flood Insurance, North Scottsdale, Debris and Mud, High Winds, Saguaro High School, Flood Waters
53	June 23, 1972	All is Calm at Cocopah Relief Center	X Cocopah School's Storm Relief Center, North Scottsdale, Major Glen Gilden, Salvation Army, Emergency Post, Disaster, Victims, Salt River Dams, Released, 1965, David Wilson, Jerry O'Connell, Home, Wind and Water Damage, Mrs. Barbara Fullmer, Storm
53	June 23, 1972	City Water Systems Okay	X Scottsdale Residents, Contaminated Water, Scottsdale and County Health Officials, City Water System, Dan Raby, Assistant Public Works Director, No Pipe Breaks, No Danger, Phoenix, Eleanor Blanpied, Public Relations Director, Paradise Valley, Private Company Service, Boil Water, Wells, Cesspools, Septic Tanks, Concrete Shell, Desert Springs Water Co., Shea Boulevard, Pima Road, Thunderbird Road, 56th Street, Mockingbird Water Co., Scottsdale and Doubletree Roads, 64th Street, 48th Street, Cactus and Mockingbird Lane, Paradise Valley Water Co., McDonald Drive, Indian Bend Road, 70th Street and Hayden Road, Berneil Water Co., Gainey Water Co.
53	June 23, 1972	Aid Center Opening Monday	X City Officials, Emergency Relief Center, Scottsdale City Hall, Aid, Wind and Flood Damage, City Manager Dale Carter, Mayor Bud Tims, Disaster Area, Gov. Jack Williams, State and Federal Officials, Interest-free Federal Loans, Repairs, Federal Small Business Administration, Business Men, Flooding and Windstorm, County Officials, Tempe, Mesa, Six Month, Get Homes Back to Livable Shape
54	June 23, 1972	Flood-Stricken Arizonans Battle Debris, Mud, Tears (Pictures)	X Boat, Mrs. Eileen Lotspeich Lamb, Transportation, Phoenix, Valley, Floods, Scottsdale Home, 1800 Block of N. 15th Avenue, Flood Waters, High Winds, Violent Storms, Scottsdale Road
54	June 23, 1972	Never Thought of This! (& Pictures)	X Rivers of Water, Phoenix, Campbell Avenue and 32nd Street, Water Seeping In, One Inch Thick Coat of Mud, Traffic, Indian School-Hayden Road, West Lewis, Third and Fifth Avenues
54	June 23, 1972	We're Still Alive' - Even Flooded Apartment Provides Silver Lining	X Rainbow, Rain, Apartment Into Indoor Pool, Water Rise, Lightening, Muck, Indian School Road, Raindrops, Down Pour in Sheets, Water Four Inches Over Door Jam, Lake of Mud, Leaves and Water
54	June 23, 1972	38 Free Apartments Offered Flood Victims	X Oakwood Garden Apartments, Valley Residents, Homeless, Tornado and Flooding, Larry Carlin., Vice President, R&B Development Co.
54	June 23, 1972	Right On, Right On!	X Irrigation Water, Valley, 4 Inches of Rain
54	June 23, 1972	New Baby Rides - Hospital Provides Bus in Flooding	X St. Joseph's Hospital and Medical Center, T. Abner Huff, Administrator, Rose Raspanti, Jack Morse, Teddy Thompson, Barbara M. Van Ness, Rose Culhane, Kristen, Sister Alice Montgomery, Nancy Concholar, Faye Ivor, Clarence Franklin
54	June 23, 1972	Boil Water is Advice in Flooding	X Flood Victims, Maricopa County Health Department, Boil Drinking Water, Freezers Closed, Power Outages, Danger of Seepage, Heavy Rains, Flood Victims, Toilets and Showers, Septic Tanks, Sewage Disposal, Phoenix, Paradise Valley, Indian School Road, Bell Road, 40th Street, Pima Road, Dr. Stanford F. Farnsworth, Assistant County Manager, Health Services
54	June 23, 1972	Crime Takes a Holiday, but Police Far From Idle	X Flooding Conditions, Phoenix, Rain, Maj. George Sanders, Phoenix Police Department, Flood, Lt. Jerry Kimmell, Sgt. Earl Chivington, Wade in Water, Streets, Impassable, Traffic
54	June 23, 1972	200 Guests Evacuated from Hotel	X Evacuated, Safari Hotel, Scottsdale, Flooding Arizona Canal, Knee-deep Waters, Damage
55	June 23, 1972	Progress Photos by Dennis Carroll, Bob Snider, Lee Pierce and Jerry Ford (& Pictures)	X 68th Street-Indian School Area, Flooded, Salt River Project Truck, Indian School Near Hayden, Safari Convention Center, Rain, Eldorado Ball Fields, Hayden Road Near Indian School, Golf Cart Floats
56	June 23, 1972	Rest of Valley 'Digs Out' - Tempe Dampened By Rain Again (& Pictures)	X Rain, Tempe, Mill Avenue, Phoenix, Traffic, Bridge, Rain, Valley, Cleaning Up, Debris, Rampaging Flood Waters, Scottsdale, Paradise Valley, Inundated, Flooding, Cloudbursts, Sheets of Rain, Salt River Project, Swollen and Breaking Canals, Washing Out Scottsdale Road, Cars, In the Mud, Swirling Waters, O.L. Barnes, Volunteer Weather Station, Ash Avenue, University of Arizona Citrus Farm, Sky Harbor Airport, National Weather Service, 1.64 Inches, Storm

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57	June 23, 1972	Thousands Stranded by Flood - Hundreds of Home Damaged as Water Breaks Canal Banks (& Picture)	X Valley, Cloudbursts, Northeast Phoenix, Downpours, Flooding Damage, Stalled in Water, 2, 3 and 4 Feet Deep, Flooding Water, Canal Banks Gave Way, Laterals Overflowed, Paradise Valley, Helicopters, Salt River Valley, Weather Forecast, Radios, Without Electricity, Health Officials, Heavily Flooded Areas, City of Phoenix Water Service, Boil Water, Drinking, Potential Pollution, Debris, Bags with Sand, Flooded and Flooding Neighborhoods, Flood Control and Rescue Work, National Weather Service, Sky Harbor International Airport, Thunderstorms, Moist Unstable Air Mass, Arizona, Southeast and Central Arizona, Weatherman Bob Ingram, Thomas and Camelback, 24th to 36th Streets, 3 to 4 Inches Rain in Two Hours, Rain Gauge, 28th Street and Highland, 4.20 Inches of Rain, 36th Street and Indian School, 3.75 Inches, Phoenix Mountains, McDowell Mountains, Water Pouring Off Slopes, Server Flooding, Willard Groene
57	June 23, 1972	Residents Start to Tally Wind and Rain Damage	X Wind and Rain Damage, Storms, Arizona, Tornado-struck Eloy, Phoenix, Central Arizona, Thunderstorms, Hail, National Weather Service, Moisture, Old Mexico, Precipitation, Miami, Superior, Heber, Rising Rivers, Creeks, Roadways and Front Yards, Northern Arizona, Drizzling Rain, Coconino, Navajo and Apache Counties, Mohave County, Rain, Sedona, Camp Verde, Chino Valley, Roadblocks, 2 and 3 Feet of Water, Downpours, Miami-Globe Region, Pinal Mountains, Lightening, Forest Fire, Tucson and Eloy, Damage, Destruction
57	June 23, 1972	Wind Gust to Gale Force - 41 Die as Tropical Storm Pounds East	X Tropical Storm Agnes, Eastern Seaboard, Rain, Wind Gusts, Gale Force, Flooding, Utilities, Transportation, Evacuation, 41 Deaths, Storm, Florida, Cuba, Pennsylvania, 10 Inches Rain, Susquehanna River, New York, 55 Miles Per Hour, National Weather Service, New England, Connecticut, New York's Westchester and Rockland Counties, Commerce Secretary Peter G. Peterson, Federal Aid, Virginia, Occoquan, 125-foot Dam, Weakening, Wellsburg, Pa., Elmira, N.Y., Chemung River, Elmira and Corning, National Guard, Olean, N.Y. Buffalo, Allegheny River
57	June 23, 1972	Storm's Wake Wrings Emotions Dry (& Picture)	X Flood and Windstorm, Streets, Muddy Swimming Pools, Sludgy Kitchen, Rain-swollen Arizona Canal, Topped its Banks, Central and Orchid Street, Ralph Ammaccupani, Damage, Mud, Flooded Roads, Fountain Hills, Scottsdale, Torrential Rain, 56th Street and Shea
58	June 23, 1972	Flood Dramas Unfold (& Picture)	X Breaks, Grand Canal, Residents, Homes Were Flooded, Phoenix Police, Red Cross Evacuation Center, Phoenix North High School, Vince Moran, Teen Age Kids, Volunteer, Mrs. Jeff Shepherd, Joy, Rains, Mr. and Mrs. Gary Ricard, Krista, Gretchen, Jodi, Flooded Area, Highway Patrol, Telephone Troubles, Phoenix, Scottsdale, Flood, Ray Worland, Big Louisville Kentucky Flood of 1937, Hurricane, Pets, First Flood in New Jersey in 1955, Arizona, Raining, Prescott, Mr. and Mrs. Lawrence Collins
58	June 23, 1972	550 Home-Damage Claims Received - "Disaster Tag Sought"	X District Director, Small Business Administration, Maricopa, Pima and Pinal Counties, Disaster Area Designation, Storms, Stan Goldberg, Washington or SBA's Regional Office, San Francisco, Regional Director Gilbert Montano, U.S. Sen. Paul Fannin, Disaster Declaration, Insurance Adjustors, 550 Claims
58	June 23, 1972	Quick Reacting Guard, Air Force Unit Save 120	X Army National Guard, Luke and Williams AFB, 120 Valley Flood Victims, Torrential Downpour, Helicopters, Trucks, 997th Aviation, Huey H34 Choctaw Choppers, Flash-flooded Washes, 1st Battalion, 180th Field Artillery, Deliver Water Trailer, Possible Water Contamination, National Guard Armory, Lt. Col. Russell Hall, Salt River-Pima Indian Reservation, 302nd Aerospace Rescue and Recovery Squadron, Detachment 15, 42nd Aerospace and Recovery Squadron, Military Airlift Command, M. Sgt. Andrew Bernal, Richard L. Surett
58	June 23, 1972	Five Million Calls! Beats Mom's Day	X Calls, Valley Residents, Mountain Bell Telephone Co., Result of Flooding, Emergency Power, Sandbagging, Mountain Shadows Resort, Pinnacle Peak Area, Eloy, Maricopa and Stanfield
58	June 23, 1972	Sea of Mud - Flood Becomes Sticky Problem (& Problem)	X Low-lying Areas, Flood, Indian Bend Wash, Sea of Mud, Water Erosion, Kaiser-Aetna McCormick Ranch Development, North Scottsdale Road, Dikes, Broken, Debris, Repairing, Scraping Up Mud, Golf Courses, South Scottsdale, Inundated, Erosion Damage, Vista Del Camino, Disaster Area, Past Storms, Urban Renewal Program, Removed Old Houses from Washes, Cholla Street District, Tornadic Winds, Great Damage, Rains, Broken Roofs, Sagging Walls
58	June 23, 1972	Flood Dramas Unfold (Back Side of Sheet)	X Survey the Damage, Rain, Mrs. Collins, Mrs. Joy Zirk, Ralph Barben, Gary Barben, Phoenix, Garbage Can Floating Down Road, Mrs. Rene Wilcox, Shauna Darlene, Rickey, Keith Samson, Mrs. Warren Cosen II, Johnny, Warren III, Mrs. Paul Liska, Flooded, Canal Broke, Civil Defense Officials, Pet Dogs, Parakeet, Stayed Home, Mr. and Mrs. Alfred Finstad, Denise, Lori Minerich, Kevin, Nick Finch, Red Cross, Evacuees

0	Year	Title of Newspaper Article	Key Words
4	June 24, 1972	Flood Losses Put at \$46 Million - Roofless Homes Dot Mud-soaked Valley (& Picture)	X Roofless Houses, Mud-soaked Furniture, Flood-producing Cloudbursts, Scottsdale, Damages, State Division of Emergency Services, Maricopa County, Valley, Floods, Killing One Man, Disaster, 1970, 23 Persons Died, Storms, American Insurance Association, AIA, Flood Insurance, Northeastern Phoenix, National Weather Service, Soggy, City Manager Dale Carter, Osborn, Roosevelt and Chaparral Roads, Closed, Phoenix, Street patching, Fred Glendenning, Crossings, Salt River, Canals, 56th Street North of Indian School, Canal Bridge, 48th Street, River Bottom, Seventh Avenue, Shea Boulevard, Paradise Valley, Jack Phillips, Town Manager, Doubletree, Desert Jewel Drive, Tatum Boulevard, Tempe, McClintock and Scottsdale Roads, James Casey, Assistant City Manager, Beth Kreckler, Sea of Mud, Water, Shovels, Rakes
4	June 24, 1972	Camp-outs With No Electricity Now Neighborhood Life-style	X Desert Cove, Paradise Valley, Without Electricity, Storm, Damaged, Destroyed, Every House, Food, Spoiling, Mrs. Jerry Major
4	June 24, 1972	Five States are Declared Disaster Area	X Floods, U.S. History, Tropical Storm Agnes, President Nixon, 79 Persons Dead, Cuba, Florida, Carolinas, New York, Damage, Pennsylvania, Susquehanna River, Wilkes-Barre, Floodwater, Virginia, Swollen James River, Washington, Potomac, Maryland, West Virginia, Gulf Coast, Robert White, National Oceanic and Atmospheric Administration, District of Columbia, Drinking Water
4	June 24, 1972	An Editorial - Valley Has Right to be Proud	X Valley, Worst Summer Floods, Property Damage, Flood, Tornado-ravaged Areas, Winds, Floodwaters, Rain and Flooding, Phoenix
5	June 24, 1972	Indian Bend Wash (Aerial Picture)	X Floodwaters, Indian Bend Wash, Salt River, Scottsdale, Flood's Peak
5	June 24, 1972	Flood Loss in County Put at \$46 Million (& Picture)	X 10 Homes, Storms, Salt River Project, Glendale, City Manager Stanley Van de Putte, Mesa, Chandler, Tolleson, Litchfield Park, Phoenix, Interstates 10 and 17, Reopened, Grant Street Overpass, Dirt Accumulations, Scottsdale and Phoenix, Emergency Shelter, Salvation Army, Chuck Smith, San Francisco, Small Business Administration, John Seeley, Washington, Disaster Regions, Eloy, Maricopa, Tornados, CBA, Agricultural Crops, Gerald Lindsey, County Executive Director, Agricultural Stabilization and Conservation Service, Chandler, Queen Creek and Laveen Areas, Cotton, Hail, Farmer, Power Restored, Rebuild and Repair, Construction Industry, Hallcraft Subdivision, 62nd Street and Shea, Southern Arizona Bank, Home Improvement Loans, Storm Victims, James S. Douglas
5	June 24, 1972	Family the Lost House in Flood is Swamped with Offers of Help (& Picture)	X Ruel A. Sports Family, Lost Its Home, Flood Victims, Flooded, 3 Feet of Water, Arizona Canal Broke, Mud-splattered Home, Don Gaertner, Maryvale, Flood and Tornado Victims, Mrs. Donna Frisby, Salvage Food
5	June 24, 1972	Camp-outs New Life-style (& Picture)	X Mrs. Major, Without Electricity, Aaron Hecht, "Camping Out", Mr. and Mrs. Dick Robinson, Arizona Public Service Co., Replace Underground and Overhead Cables, Desert Cove
44	June 24, 1972	Cars, Horses Ford Flooded Roads (Pictures)	X Heavy Rains, Tempe Underpass, Mrs. Kenneth Charles DeMas, Flood Water, Large Puddles, Scottsdale, Arizona Canal, 68th Street and Indian School Road, Michael Standon, Patti Teniepe, Mud Flats, Scottsdale Road, River Bottom
45	June 24, 1972	Riverbed Crossing	X Scottsdale Road, Salt, Water, Down River, Debris, Waterflow, Tempe, Hayden Road
46	June 24, 1972	Agencies Defend Actions During Flood Emergency (& Picture)	X City, County State Officials, Emergency Services, Flooding, Downpour and Destructive Runoff, Col. W.E. Eldridge, 52nd Street and McDowell, Howard Ryder, Coordination, Col. Carl E. Smith, Director, State Division of Emergency Services, 1967 Snowstorm, Civil Defense Agency, City of Phoenix, Phoenix City Manager John Wentz, Flooding Problems, Police Chief Larry Wetzel, Evacuate Flooded Residents, Flowing Water, U.S. Office of Emergency Planning, San Francisco, Justin Herman, State Highway Director, National Guard Vehicles, Helicopters, Scottsdale Police Chief Capt. Mike Gannon, Highway Department Help, Salt River Project, Four Breaks, 10 Overflows, Irrigation Canal System, SRP Spokesman Lee Athmer, SRP and Phoenix Dump Trucks, Dirt, Close Holes, Diverting Water, Salt River Bed, Evergreen Wasteway, Rainfall, Paula Hinds, House Demolished by High Winds

0	Year	Title of Newspaper Article	Key Words
46	June 24, 1972	Lights on in Valley; Utility Firms Start Repair Work (& Picture)	X Electrical Service, Valley Residents, Arizona Public Service Co., Damage, Storms, Most Server, APS, Salt River Project, Damage to Canals, Power Lines, Mountain Bell, Telephone Equipment, Irrigation Canals, Yuma, Flagstaff, Holbrook, Winslow, Prescott, Goodyear, SRP, Wind, Rain, Floodwaters, Transmission Cables, Eloy-Toltec-Arizona City Area, Tornado, W.P. Reilly, APS President, Paradise Valley-North Scottsdale Area, Shea Boulevard, Lincoln Drive, Cactus, Thunderbird Roads, Meadowbrook Substation, 12th Street and Campbell, Deluged by Floodwaters, 4 Feet Deep, Thomas to Oak, Indian Bend Wash, Canal Washouts, Central and Seventh Street on the Grand Canal, 83rd and 91st Avenue on Grand Canal, 40th Street and Arizona Canal, Lincoln Drive, Mountain Shadows Resort, Pinnacle Peak Area, Bell Road, Power Poles, Outages, Flooding of Basement, Flooding of Many Manholes, Henry Sargent, Jerry Human, Ray Walker, Fallen Utility Pole
46	June 24, 1972	Watery Frolic Ends in Death in Scottsdale,	X Playful Swim, Storm-swelled Wash, Death, Scottsdale Man, Scottsdale Police, Sheriffs Divers, Carl Morris Wilson, Villa Monterey Golf Course, Keith Brockman, Scottsdale Sgt. Tom Clark
46	June 24, 1972	BIA Office Suffers \$17,000 Flood Loss	X Flooding, Basement, Bureau of Indian Affairs Office, Damaged, Water, Street Level, Richard Hathaway, Phoenix Area, General Services Administration
46	June 24, 1972	Phoenix is Granted \$160,000 for Storm Drain	X City of Phoenix, Federal Grant, Storm Drain Project, Phoenix Mayor John Driggs, Relieve Storm Flooding, Broadway to Southern Avenue, Seventh Street to 19th Avenues, 1970 Bond Election, Construction, U.S. Department of Urban and Housing Development, \$37 Million on Storm Drains Since 1957, Arizona Canal, Salt River, Voters Approved, 1957, 1961 and 1970
46	June 24, 1972	Valley Gets Its Name Back - Sunny Sky Give Arizonans Chance to Clear Storm Debris	X Arizona, Storm-swept Communities, Clean Up Debris, National Weather Service, Tucson, Southeast Part of State, Rain, Eloy, Maricopa, Cleaning Up, High Winds, Paradise Valley, Phoenix, Rains and Floods, Foxworth Galbraith Lumber Co., Homes, Damage to Roofs, Russ Coffee, Red Cross Representative, Tornado Victims, Ak Chin Indian Reservation, Four Homes, Destroyed, Storm, Broken Lines, Fallen Poles, Arizona Public Service, Southern Pacific Railroad
46	June 24, 1972	Flood Control Plan Proposed by Congressional Candidate	X U.S. Corps of Engineers, Canal System, North Phoenix and Scottsdale, Flood Control Project, Curtis Nordwall, Congress, Compensate, Salt River Project, Wells, Pumps, Irrigation, Agricultural District, Urban Area, Pima Road, Channel Water, Salt River, Ground Water Supplies
7	June 25, 1972	What About a 100-year Flood?	X Gov. Jack Williams, Flood Control Program, Bad Weather, Flooding, Valley Citizens, Comprehensive \$112 Million County-wide Flood Control Program, U.S. Army Corps of Engineers, Bond Issue, March 1966, Defeated, 38 Separate Dikes, Dams, Conduits, Levees, Seepage, Pits, Damage of Floods, Valley Communities, 1970, Flood Control Plan, Protection from 100-year Flood, Rapid City, S.D., Mid-1950's, Once-in-a-lifetime Floods, Phoenix, Maricopa County Flood Control District, Chief Engineer Col. John Lowry, Legislation, Scottsdale, Storm, County Board of Supervisors, Arizona Law, California, San Bernardino County, Six Flood Control Zones, Arizona, Northeast Phoenix, Scottsdale and Paradise Valley
41	June 25, 1972	Williams Asks for Federal Flood Relief	X Gov. Jack Williams, President Nixon, Storm Damaged Sections, Federal Disaster Area, Flood and Tornado Damage, Chief A.C.R. Krimminger, Ralph Burns, San Francisco, U.S. Office of Emergency Planning, Flooded Areas, Valley, Col. Carl Smith, Director, State Offices of Emergency Services, Scottsdale, Tornadoic Winds, Torrential Rains, Arizona National Guard, Water Damage, Homes, Low Interest Loans, Salt River Project, Repaired, Breaks, Irrigation Canal System. Granite Reef Dam, Salt River Bed, SRP Lee Athmer, Water Flowing, Drinking Water, Phoenix, Irrigation, Homeowners, Farmers, Unaffected by Storms, Dr. Ellis Sox, Director, Maricopa Health Department, Lab, Tap Water, Paradise Valley, Desert Springs, Ocotillo, Gainey and Indian Bend Water, Checking Water from Berneil and Mockingbird Water Companies. Continue to Boil Water, Evacuation Centers, Red Cross, Salvation Army, St. Daniels Roman Catholic Church, Manager Lee Krebs, Valley United Fund Agencies, Rapid City, S.D., Arizona Public Service Co., Supervisor Ted Dando, The Cascades, 36th Street and Campbell, Mrs. Leon Chaykin, Wiring Replaced, Electric Service, State and County Police, Highways, Streets, Open, 19th Avenue and Grant, Camelback Road and Hayden, Indian Bend Wash, Flood Damage, 48th Street and 7th Avenue Crossings, Salt River Bed, South Phoenix, Weather Service, Sky Harbor International Airport, Flooded Central High School, Director Larry Kelly, Phoenix Sanitation Workers, Two Tons of Spoiled Meat, Director William McSpadden, City Landfills

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43	June 25, 1972	Scottsdale Flood Damage "Avoidable"	X Flood Damage, Homes, Arizona Canal, Avoidable, Marc Stragier, City Public Works Director, Flood Control Plan, Indian Bend Wash, Damage, Repeated Flooding, Scottsdale, Salt River Bed, Voted Against Flood Control Funding, Green Belt Flood Control Plan, Relieve Buildup of Water, Prevent Flood Damage, Storm Drainage, Siphon Pipe, Breaching Canal, Gates, Indian Bend Road, Scottsdale Road, Salt River Project, Spillway, Floodgates, Inoperable, Downstream Channel, Enlarge the Wash, Drainage, Reid Teeple, SRP, Corps of Engineers, Concrete Channel, Don Renz, 1965, Voters Rejected Flood Control Program, 1970, Scottsdale's Mohave Residential Area, Deluge of Flood Water, Extensive Damage, 100-year Storm, No Flood Plain Zoning, Prohibit Building, Flood Areas, Right-of-way, Construction, Low-flow Channel, Culverts, Roads, Drains
43	June 25, 1972	Phoenix Floods Predictable; Plan to Avert Others Studied (& Pictures & Map)	X Phoenix Deputy City Manager Fred Glendenning, Map, Flooding, Phoenix, Army Corps of Engineers, Maricopa County Flood Control District, City of Phoenix, Floods, Maricopa County Voters, Rejected, Bond Issue, 1966, Maricopa County Board of Supervisors, Dreamy Draw, Arizona Canal, Flooding Problems, Flood Waters, Maj. Alan Chapman, Cave Creek North of Union Hills, Approved Bond Issues for Storm Drains, 1957, 1961, 1970, Hayden Road, Lake Created by Floods, Debris, Floodgates, Floods Erode Arizona Canal Bank, 19th Avenue
69	June 25, 1972	What About a 100-Year Flood?	X Gov. Jack Williams, Phoenix, Sound Flood Control Program, Bad Weather and Flooding, Valley Citizens, Reluctance, U.S. Army Corps of Engineers, Bond Issue Election, Defeated, Flood Control Plan, 38 Separate Dikes, Dams, Conduits, Levees, Seepage Pits, 1970, 100-Year Flood, Rapids City, S.D., Mid-1950s, Prevent Once-in-a-lifetime Floods, Property Damage, Maricopa County Flood Control District Chief Engineer Col. John C. Lowry, Legislation, Scottsdale, Storm, Flooding, County Board of Supervisors, Zone, Specific Boundaries, Arizona Law, Patterned After, San Bernardino County, Six Flood Control Zones, Phoenix, Scottsdale and Paradise Valley
69	June 25, 1972	Answer Line	X Flood Aftermath, Flood Water Flow Maps, Maricopa County Flood Control District, Flood History, Local Flood Information, Subdivision Engineers, 1963 Flood Pattern, Glendale, Maryvale, Inundated, Overflow Pattern, Salt River, December 1965, January 1966, Flood Plain Studies, Wickenburg, Hassayampa River, Skunk Creek, New River, Agua Fria River, Indian Bend Wash, Cave Creek, Flood Potential, Proposed Development, Subdivision Plat, Protective Drainage, Planning and Zoning Agency, Building Permits
23	June 26, 1972	Flood Aid Assessment to be Made (& Aerial Pictures)	X Scottsdale, Flood and Tornado Damage, Disaster Victims, U.S. Civil Defense Office of Preparedness, White House, National Disaster Area, Federal Officials, Long-term Loans, City manager Dale Carter, Waive, City Building Fees, Storms, City Librarian Hugh Cleary, Governor Jack Williams, President Nixon, Mayor Bud Tims, Curfew Edict, Cocopah Area, Scottsdale Police Chief Walter Nemetz, Park Director L.B. Scacewater, Eldorado Park, Lake, Drained, Remove Debris, City of Mesa, Maricopa County, Flood-damaged Streets, McKellips, Chaparral, Osborn, Murray Lane, Roosevelt, Indian Bend Wash, Public Works Director Marc Straiger, Sandbags, Spoiled Meat, Materials Damaged, Mockingbird Water Co., Boil Drinking Water, Landis Aerial Survey, Tornado Pattern, 62nd Street and Sweetwater Drive, Debris, Arizona Canal, Overflowed Banks, Camelback-Scottsdale Road, Fashion Square Parking Lot
23	June 26, 1972	1st Looting Case is Reported Here	X Scottsdale Police, Looting, Storm Stricken North Scottsdale Area, Gary W. Wright, Flood, Police Captain Mike Gannon, Burglaries and Looting, Secure Homes
23	June 26, 1972	Teens Volunteer for Clean-up Work	X Scottsdale Area Young People, Flood and Tornado Damage, Storm
30	June 26, 1972	Editorial Page - Another Flood Coming	X Flood, Valley, Damage, Maricopa County, Turned Down Bond Issue, Flood Control, Rapid Growth, Runoff, Valley Communities, Federal Agencies, Storm Impoundment, Drainage System, Building Codes, Filling Washes, Homes, Dry Washes, Filled, Elevate Building Pads, Adopt Standards
38	June 26, 1972	County Supervisors Praise Valley's Flood Volunteers	X Maricopa County Board of Supervisors, County Workers, Emergency Service, Flood Relief Rescue Service, Traffic Congestion, Emergency Road Work, Chairman Bob Stark, Maricopa County Sheriff's Deputies, Highway Department Crews, Civil Defense and Emergency Services, Flood Disaster, Server Winds, Flooding, Valley, J.J. Peatie, Acting County Manager, Overtime Payment, Supervisor B.W. Barney, Salt River Project, Arizona Public Service, Mountain Bell, Municipal Police Forces, Supervisor Harry H. Haws, Private Citizens, Voluntary Services, Sheriff John Mummert

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39	June 26, 1972	Supervisors Laud County Workers	X Maricopa County Board of Supervisors, County Workers, Emergency Service, Flood Relief Rescue Service, Traffic Congestion, Emergency Road Work, Chairman Bob Stark, Maricopa County Sheriff's Deputies, Highway Department Crews, Civil Defense and Emergency Services, Flood Disaster, Server Winds, Flooding, Valley, J.J. Peatie, Acting County Manager, Overtime Payment, Supervisor B.W. Barney, Salt River Project, Arizona Public Service, Mountain Bell, Municipal Police Forces, Supervisor Harry H. Haws, Private Citizens, Voluntary Services, Sheriff John Mummert
39	June 26, 1972	What Monster This? (Picture)	X Salt River, Heavy Flow, Drains and Wasteways, Rainfall, Old Salt, Tempe, Loch Ness Monster
32	June 27, 1972	Arizona Floods - What to Do Before After, If and When They Take Place	X Runoff, Rainstorms, Arizona Residents, Flash Floods, Insurance Information Institute, Flooding, National Flood Insurance Program, Federal Government, Floods, Mudslides, Scottsdale, Federal Insurance Administration of the U.S. Department of Housing and Urban Development, American Mutual Insurance Alliance, Mutual Loss Research Bureau, Reduce Property Losses, Water Level, Flooding, Check Valves, Sewer Traps, Electricity, Shut Off
34	June 27, 1972	Back From Rapid City - Family Gets Double Dose of Floods, Storm Damage	X Paul Evans Family, Scottsdale, Storms, Rapid City, S.D., Rapid Creek, Thunderhead Falls, Flood, Tina Evans, Tornado, Jack and Shirley Seitz, Damage, Floodwaters
34	June 27, 1972	Commission Named to Study Floods Control	X Wickenburg's New Planning and Zoning Advisory Commission, Town Council, Flood Plain Zoning, Hassayampa River, June, 1972 Report, Corps of Engineers, Wickenburg General Plan of 1964, Mayor Bill Billingsley, Councilman Garth Brown, Ray Bybee, Curtis Arnett
34	June 27, 1972	Flood Aid Programs Get Study	X Federal and State Officials, State Division on Emergency Services, Flood Victims, Assistance Program, Col. Carl W. Smith, State Director, U.S. Office of Emergency Services, Small Business Administration, Environmental Protection Agency, Army Corps of Engineers, C.R. Kriminger, Chief Aid to Gov. Jack Williams, Berstrom AFB, Austin, Tex., Photograph Damage, Maricopa County, President Nixon, Arizona, Disaster Area
35	June 27, 1972	Personal Finance - Water is Flood Protection	X Flood Waters, Journal of American Insurance, Damage, Disastrous Fairbanks, Alaska Flood of August 1967, Flood Insurance, Flood-prone Area
40	June 27, 1972	Officials Study Aid for Flood-stricken Residents	X County, State, Federal Officials, Scottsdale Residents, Flood, Tornado, Damage, Photographer Analysts, Luke Air Force Base, Victims, Assistance, Col. William Eldridge, County Civil Defense, Aerial Shots, Scottsdale, Col. N. Smith, State Director of Emergency Services, Robert Steven, San Francisco, U.S. Office of Emergency Preparedness, County Assessor Kenneth R. Kunes, Correcting Tax Rolls, City Manager Dale carter, Scottsdale City Library Director Hugh Cleary, City Public Works Director Marc Straiger, Flood-prone Areas, Flood Insurance, Storms, State Insurance Director Millard Humphrey, Flood and Wind Damage, Mel Dunton, High Cost of Policies, Gov. Jack Williams
40	June 27, 1972	A Helping Hand (Picture)	X City of Mesa, Aid, Scottsdale, Repair Damages, Storm, Silt, Calle Redondo, Flooded Homes
42	June 27, 1972	Flood Insurance Cost Cut 40 Pct.	X Federal Government, 40 Per Cent, Subsidized Flood Insurance, Geroge K. Bernstein, Federal Insurance Administrator, Department of Housing and Urban Development, Flood Damage, Hurricane Agnes, Maryland-Pennsylvania Area
72	June 27, 1972	\$7 Million for Flood Control Meeting Topic	X Scottsdale Chamber of Commerce, Raising \$7 Million, Flood Control Projects, City Manager Dale Carter, Federal and County Aid, Proposed Bond Issue, City Council, Mayor Bud Tims, Sales Tax, Flooding Protection Projects, 64th to 68th Streets and Shea Boulevard, Homes, Flooded, June 22-23, July 17, Homeowner Groups, County Board of Supervisors, Flood Control District, Salt River Project, Luxury Tax, Cigarettes and Liquor, Hotel and Motel Rooms, Indian Bend Wash, Flood-prone Sections
72	June 27, 1972	Flood Victims to File for Loans in Phoenix	X Flood Victims, Small Business Administration, Phoenix Office, John Seeley, SBA, Warned, Solicitors Offering to Help, Disaster Loan Applications, Estimates, Loss, Fee, Stan Goldberg, SBA Does Not Charge
17	June 28, 1972	Advice to Flood Victims	X Maricopa County Assessor Kenneth R. Kunes, Property Owner, Major Destruction, Home, Commercial Building, Assessor's Office, Adjustments of Property Assessments, Substantial Enough Damage, Property Tax Roll
17	June 28, 1972	Flood Losses are Deductible	X Wind and Rain Storms, Arizona, Damage, Insurance Coverage, Kendall, Acting Director of Local Office of Internal Revenue Service, Deductible, Federal Income tax Return, Tax Information on Disasters, Casualty Losses, and Thefts
17	June 28, 1972	\$97,000 Loss for Big Surf	X Damage, Tempe Properties, Storms, Jim Casey, Acting City Manager, Big Surf, Flooding, Indian Bend Wash, Princess Drive Crossing
18	June 28, 1972	Strength of Water (Picture)	X South Dakota Floods, North Tempe, Floodwater, Rain Runoff, Debris, Murphy Construction Company
19	June 28, 1972	Landfill is Waterladen (Picture)	X Heavy Rainfall, City of Tempe Landfill, Runoff, Pond, East First Street, Riverbottom, East of Hayden Road

0	Year	Title of Newspaper Article	X Key Words
24	June 28, 1972	Princess Drive Scene (Picture)	X Floodwaters, Washed Away Cement Curbing, Pavement, Muck, Debris, Roadway, Rainwaters
33	June 28, 1972	Gas Tank Exposed and Leaking (Picture)	X Dangerous, Construction Crew, Tempe Fire Department, Murphy Construction Company, Gasoline Tank, East Princess Drive, Underground, Heavy Rainfall, Flooding, North Tempe, Floodwaters, Starve Off Explosion
36	June 28, 1972	Still a Little Water (Picture)	X Salt River Bed, Downpour, SRP, Canals, River Bed, Tempe Bridge, Traffic Jam, Tempe
37	June 28, 1972	Clean Up (Pictures)	X McCombs School, Tree Limbs, Storm Debris, Storm, Funnel Cloud, Damage, Foundation, Camper Trailer, Tornado, Queen Creek, Poles Downed, Damage to Crops, High Water, Roads, Flooded, Chandler Area, Rain, Drainage, Canal Overflow
72	June 28, 1972	For Flood Control - CofC Directors Balk at Blank Check	X Scottsdale Chamber of Commerce Board of Directors, Balked, \$7 Million, Flood Control Projects, Mayor Bud Tims, Don Chambers, Answers, Fund-raising Program, Steve Simon, Public Works Director Marc Stragier, Present Specific's, Indian Bend Wash, Flood-prone Sections, Garth Saager, Arizona Public Service Co., Paul Gledhill, Chamber Manager A.J. Collins, City Councilman Paul Messinger, City Manager Dale Carter, U.S. Corps of Engineers, Construction Work, Acquires, Rights-of-way, Maricopa County Flood Control District, One Big Joke, Real Estate Broker Al Overland, Salt River Project, Arizona Canal, Relieve Pressures on Canal Banks, Sales Taxes, Property Taxes, Luxury Taxes
17	June 29, 1972	Buckeye APS Crews Aid Phoenix After Storm	X A.P.S. Company Crews, Buckeye, Repair Work, Electrical Services, Tornado, Heavy Rains, Floods, Salt River Valley, Bill Flower, Area Manage, Phoenix Area, Metropolitan Phoenix Division, Supervisor Bill Rhoades, Tom Taylor, Goodyear, Flagstaff, Williams, Prescott, Holbrook, Winslow, Yuma, Cottonwood, Sedona, Salt River Project, Damaged Underground Systems
20	June 29, 1972	Mockingbird Water Still Must be Boiled	X Scottsdale and Paradise Valley, Mockingbird Water Co., Continue Boiling Water, State Health Department, Dr. Stanford F. Farnsworth, Assistant County Manager for Health Services, Chlorination, Testing, Wells, Unsafe
20	June 29, 1972	City Storm Loss Out at \$10 Million; Error Cited	X Damage, Storms, Scottsdale, Col. Carl Smith, Services Director, Public Works Director Marc Stragier, Private Property, Public Facilities, Misplaced a Comma, Flooding, Indian Bend Wash, Kaiser Aetna, McCormick Ranch, McCormick Ranch Golf Course, Streets, Washed Out, Greens Ruined, Fairways, Deep Gouges, Carports, Walls, Fences, Flood Damage, Safari Hotel, Inundated, Three Feet of Water, Camelback Road, Private Planes, Scottsdale Municipal Airport, Scottsdale and Indian Bend Country Clubs, Villa Monterey Golf Course, Saguaro High School, Pueblo Elementary School, Vista del Camino, 68th Street and Lafayette, Bonita Vista, Rancho Vista, Pima and Indian Bend Roads, Scottsdale Road, Cavalier Vista, Peaceful Valley, Eldorado and Vista del Camino, Overtime, Downed Signs, Repair, Culverts, City Streets, Washed Out Shoulders
26	June 29, 1972	Insurance Also Helps - Residents Told Ways to Minimize Flood Loss	X Runoff, Rainstorms, Arizona Residents, Flash Floods, Insurance Information Institute, Flooding, National Flood Insurance Program, Federal Government, Floods, Mudslides, Scottsdale, Federal Insurance Administration of the U.S. Department of Housing and Urban Development, American Mutual Insurance Alliance, Mutual Loss Research Bureau, Reduce Property Losses, Water Level, Flooding, Check Valves, Sewer Traps, Electricity, Shut Off, Structurally Safe, Mud, Silt
27	June 29, 1972	House Trailers Rented for Vista Flood Victims (& Picture)	X Trailers, Vista del Camino, Indian Bend Wash, Dave Harris, Director, Community Development, U.S. Department of Housing and Urban Development, Flooded Areas, City Manager Dale Carter, City Officials, Public Works Director Marc Stragier, Fees, Permit, Building Inspectors, 6,000 Tons of Road Building Material, 300 Big Truckloads, 160 Truckloads of Debris, Damaged Areas, Refuse Collection, Sweeping Crews, Thomas, Crossings, McKellips, Osborn, Chaparral, Roosevelt, Tony and Alex Alvarez,
27	June 29, 1972	Flooding Not Topic of Session	X City Planning Commission, City Hall, City Manager Dale Carter, Not Flooding Problem, Scottsdale
28	June 29, 1972	Humor Brighten Gloom of Storms	X Humor, Storms, Scottsdale, Power, North Phoenix, St. Daniel's Church, Vista del Camino, Cocopah School, Bobby Dominquez, City Employee, Roadblock, North Scottsdale Road, Salt River Project, Flood Damage, Claude Crosier, Elmer Falk, 78th Street and Camelback
28	June 29, 1972	Waterfront Scene in Tempe (Picture)	X City of Tempe Landfill, Filled with Water, Heavy Rain, Flow, Salt River Bed
29	June 29, 1972	Rescues Flood Victims (Picture)	X Air Force Kaman HH43B Huskie Helicopter, Williams, Rescues Two Young Men, Indian Bend Creek, Scottsdale, South of McDowell Rd., Captains Don Blair and Gale Webb, Sergeant Taras Soroka, Staff Sergeant David Filut, Airman First Class Mark Beard
29	June 29, 1972	Emergency Calls Alert Over 350 SRP Employees	X 43rd Avenue, Arizona, 40th Street, Don Weesner, General Superintendent, Water Construction and Maintenance, Trash Building Up, Henry Brake, Assistant Superintendent, 350 Employees, SRP Water Operations, Emergency Calls, Storm, Phoenix, Electric Crews, Downed Lines

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31	June 29, 1972	Supervisors Praise Thousands for Flood Relief Rescue Work	X Maricopa County Board of Supervisors, County Workers, Emergency Service, Flood Relief Rescue Service, Traffic Congestion, Emergency Road Work, Chairman Bob Stark, Maricopa County Sheriff's Deputies, Highway Department Crews, Civil Defense and Emergency Services, Flood Disaster, Server Winds, Flooding, Valley, J.J. Peatie, Acting County Manager, Overtime Payment, Supervisor B.W. Barney, Salt River Project, Arizona Public Service, Mountain Bell, Municipal Police Forces, Supervisor Harry H. Haws, Private Citizens, Voluntary Services, Sheriff John Mummert
31	June 29, 1972	Salvation Army Presses by National, Area Storms	X Salvation Army, Extra Funds, Emergency Disaster Services, Lt. Colonel David W. Moulton, Phoenix, Southwest Division Army Commander, Rapid City, South Dakota, Virginia, West Virginia, Pennsylvania, Washington, D.C., Maricopa County, 66th Street and Cholla, Hurricane Agnes
21	June 30, 1972	Full Compliment of Officers - Salvation Army Helped Valley Victims of Flood	X Salvation Army Officers, Scottsdale-Paradise Valley Victims, Flood, Tornado Disaster, Maj. Robert L. Keene, Director, Tempe Salvation Army, Tornadic Wind, Torrential Downpour, Drinking Water Condemned, Maricopa County Medical Society, Homes, Inundated, Northeast Phoenix, Canal Bank Broke, Deluged with Flood Waters, Major Glen Gilben
22	July 1, 1972	\$26,000 is Awarded; Land Needed for Flood Control	X Awarded, Flood Control, Indian Bend Wash, Mr. and Mrs. James Cohea, Mr. and Mrs. Joseph B. Belsito, Superior Court Judge Fred Hyder, Jury, Compensation, Location in the Wash, Attorney, Steve Connors, Flooding, Underwater, Scottsdale
22	July 1, 1972	Damage Repaired (Picture)	X Scottsdale Airport, Repairing Planes, Damaged, June 21 Tornado, North Scottsdale and Paradise Valley, Glen Scudder, Hanger, Damaged, Storm
25	July 1, 1972	Senate Approves Emergency Fund for Victims of Flood	X Senate, Emergency Relief Funds, Tropical Storm Agnes, Eastern United States, President Nixon, White House, Flood Aid, Vice President Spiro T. Agnew, Virginia, Maryland, New York, Emergency Fund Preparedness, House, Repairing Bridges, Highways, and Other Public Facilities, Small Business Administration, Sens. Hugh Scott, Richard Schweiker, Charles Mathis, Sen. Joseph Motoya, Flood Relief, Pennsylvania, Florida, Rapid City, S.D., Break in Levee, Sacramento County
25	July 1, 1972	Storm Damage \$10.9 Million	X Flood, Tornado, Windstorm Damage, Arizona, Storm, Scottsdale, Gov. Jack Williams, President Nixon, Federal Disaster Relief, Maricopa, Pima and Pinal Counties, Homes, Business, Streets, Roads, Dikes, Levees, Drainage Facilities, Public Buildings, Schools, Public Utilities, Federal Facilities, Recreational Facilities, Agriculture, Private Utilities, Public Repairs
65	July 1, 1972	August Bids for First Phoenix Flood Dam	X Los Angeles District, U.S. Corps of Engineers, Bids, Construction, Dreamy Draw Dam, Northeast Phoenix, 16th Street and Northern Ave., North Phoenix Mountains, Cave Buttes Dam South of Cave Creek Dam, Paradise Valley, Diversion Channels, Union Hills and Arizona Canal, Agua Fria/New River Channel, Salt River, Natural Runoff, Maricopa Flood Control District, Col. John C. Lowry, Rejected, Bond Election, Flood Projects, Delayed, Indian Bend Wash, Scottsdale, Congress, Flood Control Act of 1965, Trapezoidal Concrete-lined Channel, 7 Miles Long, Alternatives, Greenbelt Channel, Developers, Camelback Road, Flood Control Bonds, Weather Bureau Records, July and August, Thunderstorms and Flooding
65	July 1, 1972	Phase I of Buckeye Watershed to Be Bid	X Soil Conservation Service, Bids, Phase I, Buckeye Watershed Project, Plans, Regional Technical Service Center, Portland, Flood Retarding Structure, Earthfill, Turner Rd. to Hassayampa River, I-10
16	July 3, 1972	County Blamed for Flood Losses	X Fourth District Congressional Candidate Bob Reveles, Flood Losses, Prevented, Phoenix Metropolitan Area, Maricopa County Officials, County-wide Bond Issue, City of Scottsdale, Alternative Plan, Green Belt Plan, Flood Damages
12	July 10, 1972	Day in Court - Suit Says Kaiser Aetna Diverted Flood Waters	X Guy Stillman, Suite, Kaiser Aetna Corp., Damages, Constructing Impediments, Natural Flow, Indian Bend Wash, McCormick Ranch, Attorney Harold Scoville, Changed Contour Elevation, Cause Waters, Flood, Scottsdale Road, Indian Bend Road, Golf Course, City of Scottsdale, Kaiser Aluminum Chemical Corporation and Aetna Life and Casualty Co., Building Permits, Construction in Wash, Blockage in the Wash, 1968, Awarded, Maricopa County, Crossed Wash, Diverting Floodwaters, Suit Filed in 1961
11	July 11, 1972	Funds for Flood Control Discussed	X Public Works Directors, Expedite Construction of Flood Control Projects, Maricopa County, Maricopa County Association of Governments, City Hall, Phoenix, Financing, Capital Improvements, Bond Issue, Maricopa County Flood Control, Tax Rate, Legislation, Separate Zones, Watersheds, Scottsdale, Public Works Director Marc Stragier, Phoenix, Glendale, Tempe, Mesa and Peoria, June 22, Heavy Rainstorm, Col. John Lowry, Maricopa County Flood Control District, Don Womack, Salt River Project, Maj. Don Chapman, U.S. Army Corps of Engineers, Tax Rate Raised, Indian Bend Wash, Rights-of-way, Utilities, Bridges or Culverts, Funds, Bond Issue

0	Year	Title of Newspaper Article	Key Words
11	July 11, 1972	Hearing is Faced Sept. 8 on Wash Building Permits	X Hearing, City of Scottsdale, Building Permits, Kaiser Aetna, Construction, Indian Bend Wash, Superior Court Judge Marilyn Riddle, Guy Stillman, Damage Suite, Golf Course, McCormick Ranch, Altered Flow of Water, Flood, Scottsdale Road, Attorney Harold Scoville, Charles R. Hoover, Flood Plain of Wash, Thundershowers, Rainfall
13	July 12, 1972	Runaround' Claimed on Flood Plan Inquiries	X 64th and 66th Streets and Shea Boulevard, Flood Control, Andy Garritson, Flooding, Natural Flow of Water, Washes, Rainstorms, City Councilman Herb Drinkwater, Public Works Director Marc Stragier, Assistant City Manager Paul Davis, C.L. Markoff, Central Arizona Project, Provide Protection
15	July 14, 1972	Flood Assistance for Counties	X Flood Loss, Five Eastern Counties, Florida, New York, Pennsylvania, Maryland and Virginia, Federal Aids, Major Disaster Declarations
14	July 15, 1972	Flood Insurance Program Expanded to Broader Range	X National Flood Insurance Program, Financial Loss, Flood, Mudslide, Insurance Information Institute, Federal Insurance Administration of the U.S. Housing and Urban Development, Arizona, Wilcox, Casa Grande, Huachuca City, Kingman, Phoenix, Prescott, Scottsdale, Maricopa County, Santa Cruz County, HUD
14	July 15, 1972	Flood Control Topic	X Mohave Citizens Association, Flood Control Projects, Maricopa County, Mrs. Carol Giglio, Scottsdale Area
66	July 19, 1972	Supervisors Won't raise 4-Cent Flood Control Tax	X Maricopa County Supervisors, Flood Control tax, Phoenix City Council, Supervisors Chairman J. Robert Stark, 1972-73 Budget, Fred Glendenning, Deputy City manager for Operations
66	July 19, 1972	Group Seeks Flood Control Coordination	X Mohave Citizens Association, Inc., Flood Control Works, Mrs. Carroll Giglio, Scottsdale, County Supervisor Bernard W. Burns County Flood Control District
67	July 23, 1972	Flood Insurance Program Fails to Meet With Much Success	X National Flood Insurance Program, Virginia, Nationwide, Department of Housing and Urban Development's Regulations, Zoning Ordinances, Flood Plain Area, Chesapeake, D.S. Curling, City Manager, Flood Proof Buildings, Construction Costs Up, Mayor of Cleveland, Russell County, HUD, James P. Cook, Elected Officials, 1970, Lived on High Ground, Benefit, Tropical Storm Agnes, Flood Insurance Program, Act Was Passed in 1968, Prohibits, New Structures or Facilities, Built in Flood Plain, Unless, Floodproof, Town of Scottsville, James River, Camille and Agnes, Mayor Raymond Thacker, Town of Cleveland, Waynesboro, Town of Haysi, William B. Fletcher, Assistant City Manager, Flood Plain Zoning Regulations
71	July 23, 1972	Indian Bend - The Wash that Starred in Scottsdale's Flood (& Picture)	X Churning Chocolate Flood, Mexican Hurricane, Paradise Valley, June 22, Scottsdale's Indian Bend Wash, Windswept Rains, North of Phoenix, Muddy Misery, One Flood Death, Property Damage, City of Scottsdale, Valley, Waterway, Flood, Mark Stragier, 1,029 Scottsdale Homes, Flooding, Indian Bend Plain, Flood Plain, Damage, McCormick Ranch, Coronado and Villa Monterrey Golf Courses, Major Streets, Parks, Silt, South Scottsdale, U.S. Department of Housing and Urban Development, Houses Built in the Wash, Forbid Building in a Wash in 1964, Transform, Greenbelt, U.S. Corps of Engineers, 25-foot-wide Concrete Channel, Citizens Planners, STEP Scottsdale Town Enrichment Program, Proposed Greenbelt, Wash Water, Flowing, Submerged, Sandpipers Development, Avco's Camello Vista, Kaiser Aetna's Paseo Village, Hallcraft Homes, Escaped Flooding, Canal Bend, Cattle Pens, Martin Ranch, Saguaro High's Playing Fields, McDonald Bridges and Canal
71	July 23, 1972	More About - The Wash that Starred in Scottsdale's Flood	X Indian Bend Wash, Scottsdale, Shallow Ditch, Mesquite-choked, Runoff Waters, Mummy and McDowell Mountains, Camelback, Phoenix Mountains, Hayden Road, Salt River, Tempe, Maricopa County's Flood-control Plan, Rejected, Voters, 1966, Desert Washes, Flowed Unchecked, Property Damage, Issue, Wash Problem, Rainfall Roulette, Downpour, Taxpayers, Continental Homes, Continental's President Gem Pennington, Villas East, Flood Day, Salt River Project Irrigation Lateral, Irrigation Waters for a Lake, Arizona Canal Crosses Indian Bend Wash, Salt River Project Canalbuilders, David Ellis, Flood Crest, June 22, Flood Waters, Breached its Banks, Floodgates, Fast-flowing Canal, Seeped South, Gates Lack Operating Engines, Golden Gate, Central Park
66	July 24, 1972	Flood Plan for Wash Due Discussion Tonight	X Financing, Flood Control Program, Indian Bend Wash, Scottsdale City Council, Flood Area of Wash, Paul L. Davis, Assistant City Manager, U.S. Army Corps of Engineers, County Flood Control Department, City of Scottsdale, Salt River, Tempe
66	July 25, 1972	Fountain Hills Flood Control Plan Advances	X Flood Control Dams, Fountain Hills Flood Control Program, William M. Fisher, Project Manager, Hal Marron, Project Manager for McCulloch Properties, Inc., Developer of Fountain Hills, Dams, Seven, 12,000 Acre Planned Community, Retard Water, Slow the Water Flow, Flow Through 60 Inch Pipes, Never Closed, Rain, Main Drainage Channels, Reduction, Drainage in a Bath Tub, Spillway, Natural Channel, 100-year Storm, Thunderstorms, Scottsdale, Phoenix, June 21st and 22nd, McDowell Mountains, Verde River, Planting, Minimize Erosion

0	Year	Title of Newspaper Article	X Key Words
68	July 25, 1972	Bingo Suggested in Flooding Fight by Drinkwater	X Bingo Games to Taxing Hotel Rooms, Raising \$7 Million, Flood Control Projects, Scottsdale, City Councilman Dick Campana, Bond Issue, City Manager Dale Carter, Mayor Bud Tims, City Councilman Herb Drinkwater, City Public Works Director Marc Stagier, Pay-as-you-go Basis, Councilman Hienz Hink, Councilman Paul Messinger, Sales Tax, Real Estate Transfer Fees, Property Taxes, Taxes on Cigarettes and Liquor, City Hall, Guy Stillman, County Flood Control District, Salt River Project, Central Arizona Project, Chamber of Commerce, Brookings Institution Seminar, Home Owner Groups, Civic Leaders
68	July 25, 1972	Complaints, Unity Urged in Flood Control Efforts	X 200 Resident and Property Owners, Cocopah Elementary School Area, Flood Control Problems, Former Democratic National Committee Chairman Guy Stillman, June 21 Storm, James Mitchell, Candidate for Maricopa County Board of Supervisors, Unite, Form, Flood Control District, Subdivision Developers, State Real Estate Commission, Negligent, Approving Plats, Site Plan, Building, Interfere, Natural Flow of Floodwaters, Forrestt Pettycrew, Water Flow, Proper Drainage, Randy Scoville, Jack Brown Task Force on Flood Control
70	July 25, 1972	Flood Dam Bid Opening Set Aug. 10	X Bids, Construction, Dreamy Draw Dam, Detention Basin, Stormwater Protection, Northeast Phoenix, Fred Glendenning, Deputy City Manager for Operations, South of Shea Boulevard, East of 16th Street, City of Phoenix, U.S. Bureau of Land Management, Protect, Arizona Canal, Homes, Flooded on June 22, Maricopa County Flood Control District, Maintained, U.S. Corps of Engineers, Native Desert Growth, City of Phoenix Parks Department, Embankment, Compacted - Earth Structure
70	July 25, 1972	Task Force' to Report on Flooding	X Task Force on Flood Control, Jack E. Brown, Better Way to Control Floods, Government Work, Public Interest, Roslyn Moore, Ben Each, Martin Galbut, Chester Lockwood, Milton Schroeder, Randy Scoville, Sandee Massetto, Flood Problems, Recommend Solutions, Fund Flood Control Program
70	July 26, 1972	Flood Control Projects Aired Here Tuesday	X Flood Control, Eastern Maricopa County, Western Pinal County, East Maricopa Natural Resource Conservation District, EMNRCD, Gila River Indian Community Reservation, Roosevelt Water Conservation District, Chandler Soil Conservation Service, River Basin-Watershed Planning Staff, Arizona Highway Department, Walter White, Chairman, East Maricopa NRCD, Protection of Apache Junction, Gilbert, East Mesa, Gila River Indian Reservation, Construction, Floodwater Regulating Structures, Floodway, RWCD Canal, Divert Floodwaters, Gila River, Central Arizona Canal, Arizona Highway Bridges, Dennis Burns, Soil Conservation Service, Hydrological Data, Clifford Pugh, Bureau of Reclamation, William H. Price, Queen Creek Bridges, Lee Ohsiek, Maricopa County Flood Control District, Rights-of-way Procurement, Governor Alexander Lewis
70	July 26, 1972	Flood Meet Absence Hit	X Lack of Attendance, Board of Supervisors, Flood Control Problems, East valley, Chandler, Criticism, Fred J. Herber, Area Residents, County Flood District Personnel, State and Federal Agency Representatives, Gila River Indian Reservation, Planning and Zoning, Meeting, Meaningless, Funding, Planning, Walter White, Henry Haws
70	July 26, 1972	Flood Control Plan Discussed	X U.S. Soil Conservation Service, Flood Control Program, Roosevelt Water Conservation District Canal, Floodway, Brown Road, Mesa, Gila River, Protect East Mesa, Apache Junction, Gilbert, Gila River Indian Reservation, Arizona Highway Department, Harm, Environment, Dennis Burns, River Basin Staff, Funds, William Price, State Engineer, Not Recommend, Arizona Highway Commission, Approve Funding
71	July 26, 1972	Agencies Take Varying Positions on Floodway (& Picture)	X Construction, Floodway, Eastern Maricopa County, Maricopa County Flood Control Project, State Highway Department, Chandler, 25-mile Floodway, Roosevelt Water Conservation District, RWCD, Protect Apache Junction, Gilbert, East Mesa, Gila Indian Reservation, Future Flooding, Brown Road, Apache Trail, Gila River, Control 63 Percent, Runoff, Watersheds, Work, Temporary Halt, Two Highway Bridges, Sate Highway Department, William H. Price, State Highway Engineer, Superstition Freeway, Governor Albert Lewis, Inundated, Tribal Lands, Agricultural Lands, Irrigation Canal, Homes, Roads and Highways, Dennis Burns, River Basin and Watershed Planning Staff, Soil Conservation Service, Federal Grant, Bridge Construction, Operation, Maintenance, Lee Ohsiek, Maricopa County Flood Control District, County Board of Supervisors, Right-of-way, Bureau of Sport Fisheries and Wildlife, Endanger Wildlife Habitat, RWCD Project, Gila and Salt Rivers, Dams, Water, Absorbed, Evaporated, Environmental Impact Study, Storms, Increasing Urbanization, Disposal of Floodwaters, Damages, Floodwater Retarding Structures, Outlet Channel, Gila River, Concentration of Flows, Stilts, Submerged, Below Grade, Buckhorn-Mesa Watershed Project, Salt River, Williams-Chandler, Apache Junction-Gilbert, Lower Queen Creek Watershed
73	July 28, 1972	Flood Meeting Set for 6:30 p.m.	X City Council, Flood Protection Proposals

0	Year	Title of Newspaper Article	Key Words
73	July 28, 1972	Woman Fears City Flood Plan	X Paradise Valley Woman, Scottsdale's Proposed Solutions, Flood Problems, Town Council, 64th Street and Shea, Paradise Valley, Mrs. Richard Betts, City of Scottsdale, Alleviate Future Flooding, Divert Flood Waters, Berneil Canal, Extensive Flooding, Scottsdale Road and 64th Street, Scottsdale-Paradise Valley Boundary, Flood Run-off, Assistant Public Works Director Dan Raby, Salt River, Town Mayor Bud Tims, Town of Paradise Valley, Scottsdale City Council, Town Attorney Ron Petica, Delay Approval, Town Manager Jack Phillips, Federal Flood Insurance, Hummingbird Vista Subdivision, Hummingbird Lane, Sewer System, Septic Tanks, Planning and Zoning Commission Member Jon Bonnel, Councilman Stanley J. Kleban
73	July 31, 1972	Tonight at 6:60 - Residents to Get Word on Flood Protection	X City Officials, Residents, Flood-prone Areas, 66th Street and Shea Boulevard, Flood Protection, Homes, Demanding Action, Homes Were Flooded, June 22 and 23, July 17, \$7 Million Bond Issue, Flood Control Projects, Indian Bend Wash, Drainage, Damages, Flooding, Rainstorms, Storm Drains, Drain-off, Rains
74	August 1, 1972	Forget the Computers - Get Out in the Weather, Forecasters Are Urged	X Weatherman, Weather, Mummy Mountain Meteorologist, Willard Le Blond Groene, Mummy Mountain Observatory, Paradise Valley, Floods, Phoenix Kiwanis Club, Indian Bend Wash, Arizona, Drought, Flagstaff, Upper Lake Mary, Hazardous Proportions, Summer Thunderstorms, Earth Gouging-out, Santa Cruz River, Tucson, Rain, Mogollon Rim, McDowell Mountains, Serious Flooding, Salt River, Stream-flow, Engineering and Topographical Maps
74	August 1, 1972	Shea Area Unhappy - Flood Plans Criticized	X Shea Boulevard, 64th and 66th Streets, Critical, Plans to Ease Problems, Flooding, Badly Damaged, June 21 Deluge, Improved Drainage, Drainage Ditch, 64th Street South to Cholla Road, W.A. Garrison, Widening, Not Ease Problems, Shoot Over, Vice Mayor Herb Drinkwater, Many Curves, Countywide Bond Issue
75	August 1, 1972	Carter Says - City Flood Control Plan Due Aug. 14	X City Manager Dale Carter, Flood Control Plan, City of Scottsdale, Comprehensive Plan, Phases of Construction, Flood Protection, Mayor Bud Tims, Clouded by Political Issues, Jack Brown, Political Bandstand, Task Force, Scottsdale and Maricopa County, County Board of Supervisors, Indian Bend Wash, Army Corps of Engineers, Salt River Project, Arizona Canal, Alleviate Flood Waters, Breaks in Canal, Phoenix, Phoenix, Tempe and Paradise Valley
75	August 1, 1972	A Housewife (Picture)	X City Engineer George lanella, Flood-prone Area, 66th Street and Shea Boulevard, Shouting Match,
75	August 1, 1972	On Flood Issue - Session Becomes a Shouting Match	X City Officials, Flood Victims, 66th Street and Shea Boulevard, Shouting Matches, Flooding Problems, City Engineer George lanella, Flooding, Homes, Paradise Valley, City of Scottsdale, Dumping Flood Runoff Waters, Increase Problems, Comprehensive Plan, Flood Control, 75 Homeowners, Assistant Public Works Director Dan Raby, Maps, Diagrams, Proposed Projects, James Mitchell, Form Own Flood Control District, Tax Themselves, County Flood Control Tax, Administrative Purposes, Next Rain
74	August 2, 1972	Demo Candidate Proposes Countywide Flood-control Bond Issue	X Countywide Flood-control Bond Issue, Phoenix Attorney Jack Brown, Excessive Storm Water, Valley, Special Task Force on Flood Control, County Flood Control District, Board of Supervisors, Stronger Municipal Ordinances, Flood Protection, Emergency Flood Relief Plan, Provision for Evacuation, City of Scottsdale, Salt River Project, Flood Gates, Arizona Canal, Indian Bend Wash, Central Arizona Project, Robert Stark, State Sen. John Conlon, Bill Baker, Past History, Defeated Flood-control Bond Proposals, 'Zonal' Flood Control Projects
76	August 2, 1972	In Flooding Fight - Brown Asks Support for Bond Issue	X Attorney jack Brown, Temporary Chairman, Special Citizens Committee on Flood Control, County-wide Bond Issue, Heavy Flooding, Floods, 20-year, 50-year, 100-year, Robert Stark, County Board of Supervisors, State Sen. John Conlon, Flood Control Advisory Board, Brown's Task Force on Flood Control, Salt River Project, Army Corps, of Engineers, Maricopa County Flood Control District, Bill Baker, June 21 Storms, Eliminate Flood Problems, Building and Zoning Changes, Bridges, Over Canals, Canal Underpasses, Ordinances Governing Flood Protection, Building Developments, Area Wide Emergency, Evacuations, City of Scottsdale, Canal Gates, Indian Bend Wash, Central Arizona Project
76	August 2, 1972	City Takes Action Against Flooding	X Action, Flood Relief, Residents, North Scottsdale, Flood-prone Area, 64th and 66th Streets and Shea Boulevard, Firm of Yost and Gardener, Refine, Drainage Study, Indian Bend Wash Tributary, Kraft Associates Engineering Co., Federal Disaster Relief Fund, Remove Curbs, Frontage Road, Ditch, Shea and Cholla Lane, Increase Ditch Flow, Storm Drainage Study, Entire County 1970, Natural Washes, Construction, Comprehensive Flood Control Program, City Manager Dale Carter, Dan Raby, Acting Public Works Director, Floods June 22 and 23, Damage to Homes, Business, U.S. Corps of Engineers, Maricopa County Flood Control District
77	August 2, 1972	The Mailbag - Several Taxes Urged in Flood Control Fight	X Indian Bend Wash Citizens Community Council, Developer, Thomas and Hayden Road, Flood Control, July 27, 1972, "No Sales Tax Please", Mr. White, Saba, Appling, Schroeder, Scottsdale, Flooding, City Council, Flooded, Chamber of Commerce, Rexbell Young

0	Year	Title of Newspaper Article	Key Words
77	August 2, 1972	Candidate Backed on Flood Control Plan	X Attorney Jack Brown, Town Meeting, Flood Control Projects, Maricopa County, Maricopa County Board of Supervisors, Bond Issue for Flood Control, Ballot, Citizens Committee, Robert Stark, Chairman County Board of Supervisors, Bill Baker, State Sen. John Conlan, County-wide Bond Issue, Zones, State Legislature, Endangered by Floods, Funding, Brown's Task Force on Flood Control, June 21-22 Floods, Salt River Project, Maricopa County Flood Control District, U.S. Bureau of Reclamation, Roslyn Moore, Jol Grant, Arizona University Law Professor Milton Schroeder, Randy Scoville, President, International Mailing Systems, Inc., Review and Strengthen Ordinances, Flood Protection, Area-wide Emergency Flood Relief Plan, Evacuation, Flood-isolated Areas, City of Scottsdale, SRP Floodgates, Arizona Canal, Indian Bend Wash, Central Arizona Project, Flood Control Problems, Mrs. Christine Carroll, ASU Music Teacher, Zoning Changes, Moratorium, Permit Developments in Valley Flood Plains
78	August 3, 1972	Mayors Join Flood Control	X Officials, Scottsdale, Paradise Valley, Mayors, Cooperative Program, Flood Control Measures, Indian Bend Wash, Mayor Bud Tims, E. Robert Triken, Flood Protection, Properties, Endangered, Runoff of Water, Scottsdale Road and Chaney Drive Intersection, City Manager Dale Carter, North Scottsdale Area, Total Flood Drainage, Yost and Gardener Study, Normal Water Flow, Flood Water Flow Reports, Damage Data, Scottsdale Road, Camelback Country Club Golf Course, McCormick Ranch Golf Course, Series of Dikes, Lakes
78	August 3, 1972	Flood Insurance in Scottsdale Tied to Approval for Army Study	X 4,000 Homes, U.S. Army Corps of Engineers, City's Flood Problems, City Manager Dale Carter, Richard W. Krimm, Assistant Administrator, Federal Insurance Administration, Washington, Federal Emergency Flood Insurance Program, Dwellings After March 25, 1971, Do Not Qualify, Government Study Approved, Purchase, Before Dec. 31, 1973, Aetna Insurance Co.
78	August 3, 1972	Flood Study Delays Home Insurance	X City Manager Dale Carter, 4,000 Homes, Federally Subsidized Flood Insurance, U.S. Army Corps of Engineers Study, Federal Insurance Administration, Washington, Scottsdale Homes, Dwellings After March 25, 1971, Do Not Qualify, Rates, Vary, 'Risk Area' Designations
79	August 3, 1972	In McDowell Mountains - Building Prohibition Asked	X McDowell Mountains, Northeast Scottsdale, Remain Undeveloped, Natural Beauty, Gordon Davis, Wilsey and Ham, City Planning Commission, Slope Greater Than 15 Degrees, Remain, Present State, Phoenix, Camelback Mountain, Development, Restricted, North Scottsdale, Zoning, Central Arizona Project Aqueduct, Natural Barrier, Scottsdale Road at Bell Road, Salt River Indian Reservation, Planners, Commercial Development, Traffic Flows, Hayden and Pima Roads, Kaiser Aetna McCormick Ranch Development, Shea Boulevard, Aquifer Area, Drainage Basin, Drainage Area, Water Table, Water Wells, Scottsdale Airport
79	August 4, 1972	Scottsdale Dike Seen Set in '76	X 10-mile-long, 20-foot-high Earth Retention Dike, Central Arizona Project, North Scottsdale, Help Controlling Scottsdale Area Floods, City Manager Dale Carter, U.S. Bureau of Reclamation, Protect Canal, Water From Colorado River, Environmental Protection Agency, Stop, Surface Water, Floods, Scottsdale, 40th Street to McDowell Mountains, County and Cities, Greenbelt, Runoff, Mayor Bud Tims, Col. John Roper, U.S. Army Corps of Engineers, Indian Bend Wash
79	August 4, 1972	FHA Blamed for Adding to Flood Losses	X Bill Barker, Federal Housing Authority, Losses, Homeowners., Floods, Frank Bright, FHA Officials, Financing Homes, Flood Plains, Natural Drainage Areas, Saturn Builders, Inc., Homes, Flood Damage, Building Codes and Statues
79	August 4, 1972	Flood Study is Awaited	X City Manager Dale Carter, 4,000 Homes, Federally Subsidized Flood Insurance, U.S. Army Corps of Engineers Study, Federal Insurance Administration, Washington, Scottsdale Homes, Dwellings After March 25, 1971, Do Not Qualify, Rates, Vary, 'Risk Area' Designations
79	August 4, 1972	Flood Dike Completion Data Will be 1974, Says Carter	X Central Arizona Project, 10-mile-long Water Dike, Reduce Surface Water Drainage, North Scottsdale, Decrease Water Flow, Indian Bend Wash, City Manager Dale Carter, Federal Bureau of Reclamation, Dike Will Run 40th Street to Taliesin West Area, Base of McDowell Mountains, Central Arizona Project Aqueduct, Dike, Parallel, Bell Road, Water Retention Factor, Indian Bend Wash Greenbelt Project, Flood Projects, Funds, Retention and Water Storage Area, Cities and County, Recreational Projects
93	August 8, 1972	City Steps Up Flood Controls	X City Officials, Flood Control Measures, Developers of Subdivisions, Flooding Problems, North Scottsdale, City Engineer George Ianello, Indian Bend Wash, Provide Flood Studies, Own Properties, Adjacent Properties, Drainage, 100-year Storm, Streets, Sheet Flow Flooding, Foundations are Raised, One Foot to 18-inches, City Ordinance, Approval of Site Plans, Construction, Storm Drains, Streets to Handle Runoff Water, 10-year Storms, 50-year Storms, Forecast, Compilation of Historical Data, Weather Stations

ID	Year	Title of Newspaper Article	Key Words
93	August 8, 1972	Dike Bid Support Urged	X Protect CAP, Colorado River Water, Orme Dam, Construction of Dike, Scottsdale Taxpayers, Flooding in North Scottsdale, Vice Mayor Herb Drinkwater, Congressional Delegates, Central Arizona Project, U.S. Senators Paul Fannin and Barry Goldwater, U.S. Representative John Rhodes, Earthen Dike, 40th Street East, Taliesin West, 104th Street
80	August 9, 1972	Scottsdale Flood Areas Discussed	X State Treasurer Ernest Garfield, Frontier Sertoma Club, Scottsdale City Fathers, Flooding, Scottsdale, Suffering Victims, Home Building Industry, Solutions are Shallow, Bond Issue, Smaller Districts, County, FHA, VA Loan Procedures, Congress, Prevent Wildcat Building in Flood Area, Development, Proper Flood Control Precautions, Careless or Inadequate Laws, Protect the Public, U.S. Constitution, Federal Government, Health and Welfare of Citizens, United States
80	August 9, 1972	4-Phase Flood Plan in Works	X Public Works Department, Four-phase Flood Control Program, City Council Study, Assistant Public Works Director Dan Raby, Flood-prone Areas, City Engineer Geroge Ianella, Scottsdale, Indian Bend Wash, Funds, Flooding Relief, North Scottsdale, Easements in Washes, Salt River Project, Arizona Canal, Construction, Culverts, Storm Drains, East-west Arterials, Traffic Flowing, Maricopa County Flood Control District, U.S. Corps of Engineers, Low Flow Channel, Middle of Wash, Green Belt Area, Higher Flows, City Manager Dale Carter, Public Works Director Marc Stragier
81	August 9, 1972	Corps May Not Buy City's Plans for Wash	X U.S. Corps of Engineers, Scottsdale's Green Belt Concept, Flood Control, Indian Bend Wash, Handle Peak Flows, Col. Harry M. Roper, Los Angeles District Office, Feasibility Report, 1964, Corps Approved Plans, 180-foot-wide Cement-lined Channel, Arizona Canal, Construction, Eldorado and Vista del Camino Parks, Acquire Rights of Way, Mayor Bud Tims
81	August 9, 1972	That Scottsdale Flood	X Once-in-100-years Flood, Scottsdale, Paradise Valley, Phoenix, June 22, Property Damage, Soil Conservation Service, Army Engineer Corps, Salt River Project, Residents, Metropolitan Phoenix, Flood, Rains, 1966, Flood Protection Bond Issue, Defeated, Arizona, Floods, Erosion, Environment, Rivers, Arroyos, Natural Drainage Channels, Roofs, Paved Roads, Streets, Parking Lots, Soil Absorb, Moisture, Gentle or Torrential Rain, Mesa, Gilbert, SCS, Flood of Scottsdale
93	August 9, 1972	Flood Dike to be Built in Scottsdale	X Massive Earthen Dike, Control Flooding, North Scottsdale, City Manager Dale Carter, Central Arizona Project, McDowell Mountains to 40th Street, Protect CAP Canal, Colorado River, Cut Off Runoff Water, Floods Scottsdale, U.S. Bureau of Reclamation, Environmental Protection Agency, Give Approval, EPA, Construction, Unnecessary to Build Three Retention Dams
67	August 10, 1972	Greenbelt Flood Plan - City Says Corps to Go Along	X City Manager Dale Carter, U.S. Corps of Engineers, Greenbelt Concept, Indian Bend Wash, More Channelization, Comprehensive Flood Control Plan, Public Works Director Marc Stagier, Salt River Project, 800-foot-long Siphon, Funneling, Arizona Canal, Rights of Way, Indian Bend Project, Storm Drains, Flood-prone Areas, Phoenix, Tempe, Paradise Valley, Development for Flood Protection
82	August 12, 1972	Resident Doubts if Flood Problems Are Being Solved (& Picture)	X Scottsdale, Flood Control Problems, Mrs. Allan T. Kneale, Flood Waters Threaten, Rains, Paradise Drive and Cactus Road, House, Raised Foundation, Away from Wash, No Run-off Water, City of Phoenix, Construction, Subdivisions, Storm of August 1971, City of Scottsdale, Two-foot Dike, June 21, 1972, Earth Dike Swept Away, Victims of Flooding, Valley, Pressure City Hall
82	August 12, 1972	By City Officials - SRP, Flood District Scored	X Scottsdale City Council, Salt River Project, SRP, Maricopa County Flood Control District, Flood Control Problems, Indian Bend Wash, Building Siphon, Arizona Canal, Flow Under Wash, Endanger Properties, Canal Banks Burst, Overburdened with Water, Flooding, Runoff, Camelback Mountain Water Shed, Flood Control Gates, Installed, 1912, Canal's Intersection, Overflow, Salt River Water Users Association Project, Protect, Valley, Floodwaters, Stored, Dams, Salt and Verde Rivers, Funds, District Taxation, Administrative Purposes, Studies, Col. John Lowry, Flood Control District Manager, Built Dams, Pinal County, Protect Farmland, Maricopa County, Williams Air Force Base, Testing Grounds, County Voters, Turned Down Bond Issue, Canals Overflowed in 1970
83	August 12, 1972	Dreamy Draw Construction Set After Bid Opening	X Dreamy Draw Flood Control Dam, Col. John C. Lowry, General Manager, Maricopa County Flood Control District, Bid, Ducon Inc., Harn and Sloan of Baldwin Park, Calif., Corps of Engineers, Los Angeles, James Harn, North Phoenix, Earthen Structure, Dreamy Draw Dam, Detention Basin, Shea Boulevard, 16th Street, City of Phoenix, U.S. Bureau of Land Management, Levee, Spillway, Outlet Pipe, Impounded Flood Waters, Salt River Project Canal, Cave Buttes Dam, Cave Creek, Union Hills Diversion Canal, Skunk Creek, Gila River, Union Hills Drive, J.W.J. Construction Co., Hunter Construction Co., Earthfilled Dam, Fred Glendenning, Deputy City Manager for Operations

0	Year	Title of Newspaper Article	Key Words
84	August 12, 1972	The Mailbag - More on Flood Funding Issue	X Vice Mayor Herb Drinkwater, Bingo Games, Paying For, Flood Control, City Council, Bond Issue, Tax on Liquor and Tobacco, Gross Receipt Tax, Bill Jenkins
84	August 14, 1972	Salt River Project (Map)	X Easements, Salt River Project Officials, Rights-of-way, Channelization, Indian Bend Wash, Siphon, Funnel Arizona Canal Water, Under Wash, SRP, Excessive Flooding, Map Shows Easements
84	August 14, 1972	Move on to Oust Area Flood Chief	X Movement, Oust Col. John Lowry, Maricopa County Flood Control District, Pressure, Flood Control District Advisory Board, Scottsdale's Indian Bend Wash, U.S. Corps of Engineers, Retirement County Taxpayers, Bond Issue, Flood Control Projects, 1964, Voted Down, Board of Supervisors, Scapegoat, Scottsdale, North Phoenix, Paradise Valley
84	August 14, 1972	Dike Slated for Scottsdale	X Massive Earthen Dike, Control Flooding, North Scottsdale, City Manager Dale Carter, Central Arizona Project, Protect CAP Canal, Colorado River, Cut Off Runoff Water, Floods Scottsdale
85	August 14, 1972	Council to Receive Flood Program Report	X City Council, Four-phase \$12.5 Million Flood Control Program, Financing, City Public Works Director Marc Stragier, Revised Plans, Flood Protection, Mayor Bud Tims, \$7 Million Bond Issue, Taxpayers, Increase, Sales Taxes, Real Estate Transactions, Gross Tax, Professional Services, Property Tax, Luxury Tax, Maps and Charts, Construction of Proposed Projects, Indian Bend Wash, Storm Drains
83	August 15, 1972	Until Control Project Done - \$3 Million Yearly Flooding Predicted	X Flood Damage, Scottsdale, Four-phase Flood Control Program, Public Works Director Marc Stragier, City Council Members, Reduction of Flooding Hazards, Indian Bend Wash Area, Developer Dick Searles, U.S. Corps of Engineers, Rights-of-way, Mayor Bud Tims, Federal Engineers, Green Belt Concept, Cement Channel, City Councilman Herb Drinkwater, Maricopa County Flood Control District, First Phase, Widening Wasteway South of Arizona Canal, Second Phase, Installation, Storm Drain System, Phase Three, Bridge and Culvert Construction, East-west Arterials, Phase Four, Channel in Wash, Major Crossings, Assistant City Manager Paul Davis, Scottsdale Chamber of Commerce, Bond Issue, Sales Tax, Property Taxes, Real Estate Transactions, Tax on Professional Services
85	August 15, 1972	East County Floodway Project in Sight	X Construction, Floodway, Roosevelt Water Conservation District Canal, Protect Eastern Maricopa County, Soil Conservation Service, Dennis Burns, SCS, River Basin and Watershed Planning Staff Leader, State Highway Commission, Construct Two Bridges, Arizona 87, Santan and Arizona 93, Interstate 10, Floodwater Drainage, 25 Miles, Brown Road, Mesa, Gila River, Three Stages, Maricopa and Western Pinal Counties, Gila Indian Reservation, Gila Indian Officials, Support Project, Planning Began in 1958, Reservation Land, Flood Plains, Reclaimed, Mesa-Buckhorn Segment, Four Dams, Drain Waters Into Salt River, Central Arizona Project Canal, Maricopa County Flood Control District, Eastern Maricopa County Natural Resources Commission, Williams Air Force Base, Brown Road, County Supervisors, Money, County Bridges, Right-of-way, Federal Appropriations, State Engineer Williams Price
85	August 15, 1972	Scottsdale Given Plan for Floods	X Revised Four-phase \$15 Million Flood Control Plan, Scottsdale, City Council, Public Works Director Marc Stragier, Maricopa County Flood Control District, U.S. Corps of Engineers, Phase I, Wasteway, Indian Bend Wash, Arizona Canal, Widened, Floodgates, Waters Spill Over Wash, 3-foot Embankment, 78th Street, Indian School and Thomas, Phase II, Drainage, Pima Road, Storm Drain, McDowell from 68th Place to Scottsdale Road, Channels, Culverts, 87th Street, Palm Lane to McKellips Road, Phase III, Rights-of-way, Low Flow Channel, Bridge-and-culvert Construction, Thomas, McKellips, Salt River, Phase IV, Extensive Storm Drain System, Major Road Crossings at Wash
86	August 16, 1972	1st in a Series - Flood Project 1st Phase: 'Most for Least'	X Phase One, Proposed Flood Control Program, Homes, Flooded, June 22 and 23 Storms, Public Works Director Marc Stragier, Indian Bend Floodwater, Under Control, Protect Properties, Indian Bend Wash Floodwater, Arizona Canal, Forms a Dam, Runoff Water, Phoenix and Paradise Valley, Backup, Fills It, Overflows, Downstream Section, Widening of the Small Channel, Increase Capacity, New Floodway Gates, Maricopa County Flood Control District, Storms, Salt River Project, SRP Officials, Lowering the Canal Bank, Evacuate a Channel, Building a Berm, 78th Street Between Indian School and Thomas, 64th and 70th Street, Lower and Channel Alley, Salt River, Reducing Traffic Interruptions, East-west Arterials, Low-flow Culverts, Scottsdale Road, McDonald Drive and Thomas Road, Streets Open and Dry, Channeling of Drainage Ditches, Build-up Area North of Shea, 64th and 66th Streets and Shea
86	August 16, 1972	City Requires Flood Measures	X City Council Members, Flood Control Measures, 80-acre Plat, Desert Hills North, 84th Street and Cactus Road, Sudbeck Engineering Co., Development, Subdivision, Streets, Designed, Carry Flood Waters, Drainage Plans, Dumping Floodwaters, Channels, Indian Bend Wash

0	Year	Title of Newspaper Article	Key Words
86	August 17, 1972	The Mailbag - Flood Insurance Recommended	X Storms, Flood Control Measures, Flood Insurance, Jay Ryan
87	August 17, 1972	2nd in a Series - Flood Phase 2 to Acquire Land	X Phase Two, Scottsdale's Flood Control Program, City Manager Dale Carter, Acquisition of Rights of Way, Indian Bend Wash, Construction, Open Channels, Shea Boulevard, Phase One, Immediate Relief, Phase Two, Bigger Jobs, U.S. Corps of Engineers, Watershed Area, Relocate Utilities, Roads, Bridges, Maintain Finished Work, Federal Funds, Maricopa County Flood Control District, Capital Improvement Program, Scottsdale, Valley, Channelization, Shea Boulevard, Flows, Major Streets, 64th Street, Hayden and Pima, McKellips, Tempe, Tempe Channel, Increase, Capacity, Wash, Divert Water, 86th Street, Cross Cut Canal, Naturally Drain, Los Arcos Shopping Center, McDowell, 66th and Palm Lane, Flooding, Culvert at McDowell, 87th Street and Granada Road, Enlarging Drain, Storm Sewers
89	August 17, 1972	Flood Control Spending Mapped For North, Northwest Phoenix	X Maricopa County Flood Control District, Spend, Land Acquisition Money, Protect, North and Northwest Phoenix, General Manager John C. Lowry, Cave Buttes Dam, Cave Creek, Dreamy Draw Dam, Right-away Acquisition, Union Hills Diversion Channel, Outlet Channel, Government, Army Corps of Engineers, Soil Conservation Service, Construction Money, Impoundment Areas, Relocation, Roads, Utilities, Building of Bridges, Board of Supervisors, Taxes, Condemnation Action, 16th Street to Skunk Creek, Union Hills Drive, Flood Waters, Cave Buttes Outlet Channel, Union Hills Channel, Seventh Avenue, Salt River Project, Arizona Canal, 12th Street, Roosevelt Water Conservation District Floodway, State Highway Commission, Bridge Arizona 87, Santan, Arizona 93, Interstate 10, Gila River, Brown Road, Mesa, Protect, Property, Maricopa and Western Pinal Counties, Old Cross-Cut Canal, 48th Street, Grand Canal, Salt River, Guadalupe Project, Community, Farmlands, Buckeye Watershed, White Tank Mountains, Runoff
87	August 18, 1972	Rights-of-way to Be Acquired - Flood Control Spending Planned	X Maricopa County Flood Control District, Land-acquisition Money, Northwest Phoenix, General Manager John C. Lowry, Cave Buttes Dam, Cave Creek, Dreamy Draw Dam, Union Hills Diversion Channel, Outlet Channel, Government, Army Corps of Engineers, Soil Conservation Service, Construction Money, Impoundment Areas, Relocation, Roads, Utilities, Building Bridges, Board of Supervisors, Taxes, Condemnation, 16th Street to Skunk Creek, Union Hills Drive, Flood Waters, Seventh Avenue, Salt River Project, Arizona Canal, 12th Street, Roosevelt Water Conservation District Floodway Channel, State Highway Commission, Bridge Arizona 87, Santan, Arizona 93, Interstate 10, 25-mile Channel, Gila River, Brown Road, Mesa, Maricopa and Western Pinal Counties, Old Cross Cut Canal, 48th Street, Grand Canal, Salt River, Protect Community, Farmlands, Buckeye Watershed, Upstream, White Tank Mountains, Runoff
87	August 18, 1972	County Manager Defends Lowry	X County Manager Charles W. Miller, County Supervisors, Retirement, Col. John C. Lowry, Chief Engineer, Maricopa County Flood Control District, District's Advisory Board, Diverted Flood Control Revenues, William P. Schrader, Hugh Nichols
88	August 18, 1972	3rd in a Series -Cooperation Needed for Flood Phase 3	X Flood Control Program, Maricopa County Flood Control District, U.S. Corps of Engineers, City Manager Dale Carter, Rights-of-way, Phase One and Two, Indian Bend Wash, City of Tempe, Construct Major Works, Low Flow Channel, Special Energy Dissipators, Reconstruction, Recreational Areas, Turfing, Paving, 800-foot-long Siphon, Under the Wash, Arizona Canal, Major Drains, Chaparral and Camelback Roads, Congress, Green Belt Channel, Drainage, Phase Three, Major Reduction in Hazard to Wash, Granite Reef Aqueduct, Central Arizona Project, Upstream Dike, Levee, McDowell Mountains, Intercept Runoff, Irrigation Water, Watershed Cutoff, 100-year Storm, 50-year Storm, Phase Four
88	August 19, 1972	Last in a Series - 4th Phase Flood Work to Cost \$6.5 Million	X Phase Four, Construction, Storm Sewers, Culverts, Storm Drains, Public Works Director Marc Stragier, Assistant Dan Roby, Maricopa County Flood Control District, Construction, Culverts, Scottsdale Road, McDonald Drive, Thomas Road, Crossings, Reconstructed, Chaparral, Camelback, Indian School, McDowell, McKellips, Storm Sewers, Feeder Lines, Deliver Water, Main Trunk Lines, Indian Bend Wash, Terminate in a Lake, Small Ditch, Nuisance Water, Trunk Sewers, Arizona and Old Cross Cut Canals, Storm Waters, Second Street, Earl Drive, Oak Street, West Side of Scottsdale, Camelback Mountains, Papago Buttes, Pima, Major Drain, 87th Street South of Thomas Road, Storm Waters, Salt River, Green Belt, Recreation Facilities, Reduce Payments of Flood Insurance, Traffic Arterials, Open, Worst Storm, U.S. Corps of Engineers, Salt River Water Users Association

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95	August 19, 1972	City Pledges Flood Plan Cooperation With PV	X Scottsdale Public Works, Engineering Officials, Paradise Valley Residents, Town Administrators, Flood Control, Scottsdale Public Works Director Marc Stagir, Preliminary Flood Control Studies, City Engineer Geroge Ianella, Paradise Valley Town Engineer Todd Rockwell, 64th Street-Shea Boulevard Area, Flood Out Smaller Neighbor, Flood Control Agreement, Mayor Bud Tims, Bob Tribken, Joint Flood Control Program, Indian Bend Wash, West Scottsdale to Paradise Valley, Scottsdale Road and Cheney Drive, Engineering Firm, Bill Craft and Associates
89	August 21, 1972	Multiple Listers Told of Flood Plan Benefits	X Multiple Listing Service, Scottsdale Real Estate Board, City Public Works Director Marc Stragier, Flood Control Projects, Greenbelt Concept, Indian Bend Wash, Storm Drains, Flood-prone Areas, Recreation Facilities, Maricopa County Flood Control District, U.S. Corps of Engineers
89	August 21, 1972	Bingo is Not the Answer	X Councilman Herb Drinkwater, Legalized Bingo, Raise Money, Flood Control, City of Scottsdale, Gambling, Councilman William Jenkins, Sources or Revenue, Cigarette and Liquor Taxes, Real Estate Transaction Fees, Hotel Room Taxes, Special Flood District Levies
95	August 22, 1972	Outcry is Urged for SRP Flood Cooperation	X Civic Leader Guy Stillman, Outcry, Scottsdale Citizens, Salt River Project, Siphon, Arizona Canal, Indian Bend Wash, Salt River Water Users Association, Study, Flood Protection, Salt River, Yost and Gardner, County Board of Supervisors, U.S. Corps of Engineers, Build Cement-lines Channel, 1964, U.S. Congress, Construction, SRP Directors, Irrigation Water, Farmers, Floodgates, Federal Funding
92	August 23, 1972	"Siphon Key to Control Floods'	X Proposed Four-phase City Flood Control Program, Siphon, Arizona Canal Under Indian Bend Wash, Salt River Project, Bing Brown, Scottsdale, Army Corps of Engineers, Channel Improvement, Storm Drains and Ditches, North Scottsdale, Dump, Water, Wash, Salt River, Flooding Homes, Scottsdale and Phoenix
90	August 25, 1972	SRP, Flood Unit Overlap Claimed	X Maricopa County Board of Supervisors, Maricopa County Flood Control District, Salt River Project, Guy Stillman, J. Robert Stark, Reid Teeples, Chief Engineer for SRP, Lynn Anderson, Peoria Cotton Farmer, Wilber Weingold, Vice Chairman, Buckeye Irrigation District, William P. Schrader, Scottsdale Rancher, SRP Director, Jim Attebery, City Engineer, Phoenix, Flooding Policy, Urban Flooding Problems, Eastern Maricopa, Pinal County, Agricultural Lands, Scottsdale Flood Control Problems, Flood Control Advisory Committee, Buckeye Irrigation District
90	August 25, 1972	PV Fears Scottsdale Flood Plan	X Proposals, Scottsdale, Eliminate Flooding, 64th Street-Shea Boulevard, Inundating, Paradise Valley, Todd Rockwell, Mel Kowal, President, Paradise Valley Homeowners Association, Intending to Dump Water in to Town, Building Walls, Dikes, Councilman Stanley J. Kleban, Councilwoman Barbara von Ammon, Old Ditches Reconstructed, New Ones Built
91	August 26, 1972	By SRP - Effort to Collect Money is Denied	X Salt River Project, Collect Money, City of Scottsdale, Federal Government, Arizona Canal, June 22 Flood, Bulldozer, Break, Canal, McDonald Drive, Homes, Flooded, SRP, Bing Brown, Press Representative for SRP, City Manager Dale Carter, City Councilman Paul Messinger
91	August 26, 1972	Schrader and Tims Confer	X Mayor Bud Tims, Ex-mayor Bill Schrader, City's Four Phase Flood Control Program, Maricopa County Flood Control District, Salt River Project, Indian Bend Wash, Flood Control Measures
91	August 28, 1972	For Flood Work - Mayor Urges 1/4% Sales Tax	X Mayor Bud Tims, Scottsdale Multiple Listing Service, One Fourth Percent Sales Tax Increase, Finance Flood Control Program, Storm Drains, Property Tax, Cigarette and Liquor Taxes, Real Estate Transfer Tax, U.S. Army Corps of Engineers, Maricopa County Flood Control District, Pay-as-you-go Program
94	August 30, 1972	SRP Pledges Flood Assist	X Salt River Project, Scottsdale, Henry Shipley, Associate General Manager, Reid Teeples, Chief Engineer, Don Weesner, Superintendent for Construction and Maintenance of Waterways, Indian Bend Wash, Public Works Director Marc Stragier, More than 70 Per Cent Easements, Rights-of-way, Channelization, Arizona Canal, Freed, Any Liability, Siphoned, Rain Water, Flow Unimpeded
94	August 31, 1972	Flood Study Delayed	X Army Corps of Engineers, Delay, Meeting, Flood Control Projects, Indian Bend Wash, Public Works Director Marc Stragier, Mayor Bud Tims, Feasibility, Greenbelt Concept, 1964, Cement-lined Channel
99	September 1, 1972	Flood Responsibility	X Scottsdale Residents, Files Suit, Salt River Project, Flood Damage, Arizona Canal, Indian Bend Wash, Paradise Valley, June of 1972, September of 1970, Floods, Heavy Storms, Property Damage, Natural Drainage, Natural Conditions, Rain Water, Run Off, Arroyos and Swales, Land, Roofs and Pavements, Soil, Absorb Moisture, Runoff, Canal Breaks, Salt River, Canal Repairs, Irrigation Service, Guy Stillman, SRP, Suit, Developers, Golf Course, Diverting Natural Flow, Flood Damage
94	September 7, 1972	Flood Control Called Top Need	X Bond Program, Criticized, Not Providing Funds for Flood Control, James F. Eveld, Top Priority, Funds, More County Parks Land, Parking Facilities

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96	September 7, 1972	Flood Tax Decision Due Soon	X \$7 Million Bond Issue, Four-phase Flood Control Project, Raising, Sales Tax, Other Revenue-producing Methods, Real Estate Tax, Luxury Tax, Property Tax, Mayor Bud Tims, City Councilman Herb Drinkwater, Gross Receipt Tax, City Councilman Paul Messinger
97	September 7, 1972	Candidate Speaks - County Bonds Opposed	X James F. Eveld, Maricopa County Board of Supervisors, Bond Issue, Flood Control Program, Does Not Provide Funds for Flood Control, Funds, Parks, Parking Facilities, Tax Rate, Land Valuation, Property Valuation
98	September 7, 1972	Garfield Opposes Flood District Plan	X Small Flood Control Districts, Hit Hardest By Floods, Opposed, State Treasurer Ernest Garfield, Forum, Valley Presbyterian Church, Scottsdale, Sen. John Conlan, Attorney Bill Baker, County-wide Base, Cost, Taxes, Overburden, Heavy Damage, Homes, Federal Government, FHA, Federal Housing Administration, Built, Water Drainage Area, Flood-prone Area, Corps of Engineers, City of Scottsdale, Comprehensive \$12.5 Million Flood Control Project, Channelization, Indian Bend Wash, Construction, Arizona Canal, Storm Drain System, Flooded Areas, Arizona Statutes, Disallow, Personal Property Evaluations, Jack Brown, Bob Reveles, Curtis Nordwall, Sam Grossman
105	September 8, 1972	At STEP Meetings - City Begins Stumping for Flood Bonds	X City Officials, Gain Public Support, Finance, Four-phase Flood Control Program, City Public Works Director Marc Stragier, Scottsdale Town Enrichment Program, Dickson Hartwell, Public Relations, Brochure, Promoting \$7 Million Bond Issue, Mayor Bud Tims, Raising City Sales Tax, Maricopa County Association of Governments, Green-belt Concept, Indian Bend Wash, MAG, Maricopa County Flood Control District, Acquiring Rights-of-way, Real Estate Transfer Tax, Luxury Tax, Gross Receipts Tax, Property Tax
106	September 10, 1972	Flood Control Plan Cheers Scottsdale Public Work Chief (& Maps & Picture)	X Marc Stragier, Floods, Scottsdale's Public Works Director, Four-phase Flood Control, Storm Drainage, Capital Improvements Program, Scottsdale, Local Funding, Flooding, Phase I, Most Urgent Work, Safe from Flooding, Floodwaters, Indian Bend Wash, Arizona Canal, Floodgates, Operational, Widening, Acquiring Farm Property, Salt River Project, Lowering Canal Bank, Storm, Siphon, Pima Road, Phoenix, Berm, Earthen Bank, Built, 78th Street, Indian School to Thomas, Low-flow Culverts, Scottsdale Road, McDonald Drive and Thomas, Homeowners, Shea Boulevard, 64th and 66th Streets, Drainage Ditches, Channeled, Floodwaters, Phase II, Acquire Property, Maricopa County Flood Control District, Developers, Drainage Rights of Way, Green Belt, Recreation, Flood Protection, Flood Drainage, Schrader Ranch Development, Northern Tempe, Excavation, Cross Cut Canal, 68th Place, McDowell and Scottsdale Road, Big Culverts, 87th Street, Drainage Rights of Way, Palm Lane and McKellips Road, Pima Road, Indian School to Hayden, Villa San Marcos, Phase III, Assistant Public Works Director Dan Raby, Major Storms, U.S. Corps of Engineers, Construct Major Works, Low-flow Channel, Dissipators, Broken Rock Areas, Turfing, Paving, 800-foot-long Siphon, Channel Excavating, Major Drains, Chaparral and Camelback Roads, Central Arizona Project, Construction, CAP's Granite Reef Aqueduct, Huge Dike, Intercept Runoff, Valley, McDowell Mountains, 100-year Storm, 50-year Storm, Phase IV, Storm Sewers, Feederline Storm Sewers, Trunk-line Sewers, 2nd Street, Earl Drive, Oak Street, Camelback Mountain, Papago Buttes, Salt River, Salt River Water Users Association
107	September 12, 1972	For Historical, Archaeological Impact: Orme Site Getting Check	X Central Arizona Project, CAP, Tunnels, Aqueducts, Reservoirs, Archaeological Resources, Dr. R. Gwinn Vivian, Archaeologist, Arizona State Museum, University of Arizona, Compliance, National Environmental Policy Act of 1969, Water, Colorado River, Central Arizona, Orme Reservoir, Northeast of Mesa, Confluence, Salt and Verde Rivers, Reservoir, Inundate Old Fort McDowell, Major U.S. Military Installations, Late 1800s, Early 1900s, Historically and Archaeologically Valuable, Historic and Prehistoric Sites, Recommendations, Ft. McDowell, Nominated, Inclusion, National Register of Historic Places, Protected, Salt River Side, U.S. Department of Interior, National Park Service, Tucson, Phase Two, Verde River Side, Phase Three, Impact Statement
100	September 13, 1972	Editorial Page - Beauty in Concrete	X 1964, Scottsdale Leaders, Col. John C. Lowry, Army Corps of Engineers, Flood Control, Concrete Channel, Indian Bend Wash, City and Federal Authorities, Alternatives, Parkland, City Water Consultant John Erickson, 1966 Flood Control Bond Issue, Federal Money, Studies, Damage, Floods
101	September 14, 1972	Area Projects Get \$400,000 - County Urged to Float \$30 Million Flood Bonds	X Jack Brown, Advisory Board, Maricopa County Flood Control District, \$30 Million Bond Proposal, Ballot, Solving Flood Problems, Scottsdale, U.S. Corps of Engineers, Feasibility, Federal Agency, \$4.5 Million, Construction, Indian Bend Wash, Cross Cut Canal, 48th Street, Overflowing Waters, Arizona Canal, Heavy Flooding, Cross-cut Project, Col. John C. Lowry, Scottsdale Public Works Director Marc Stragier, Rights-of-way, Four-phase Flood Control Program, 1964, Bond Issue, Turned Down by Voters
101	September 14, 1972	Council Seeks STEP Flood Control Tax Advice (& Picture)	X City Council, Mayor Bud Tims, One Quarter Per Cent, City Sales Tax, Finance, Flood Control Program, Scottsdale Town Enrichment Program, Bond Issue, STEP Meeting, Green-belt Concept, Indian Bend Wash, Recreation Area

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102	September 14, 1972	Flood Plan Bond Vote Due Study	X Maricopa County Flood Control District's Citizens Advisory Board, Bond Proposal, County Board of Supervisors, Roosevelt Water Conservation District RWCD Floodway, Cross Cut Canal, Floodway, Relieve Pressure, Arizona Canal, Indian Bend Wash, Jack Brown, Floods, June 22 Storm, Army Corps of Engineers, Phoenix Area, Federal Funds, County Manager, Bond Issue, Defeated, 1965, Cost of Flood Insurance, Soil Conservation Service, Eastern Maricopa County, Right-of-way Costs, 25-mile RWCD Floodway, Apache Trail, Gila River, State Highway Department, Not Build, Needed Bridges, Approved Two Bridges, Dennis Burns, Gila River Indian Reservation, Irrigation Canal, 68th Street and Scottsdale Road, Salt River, Grand Canal, City of Phoenix, Salt River Project, 48th Street, City of Scottsdale
103	September 15, 1972	Town Council Authorizes Flood Control Studies	X Town Council, Finance, Two Town Flood Control Studies, Town Engineer Todd Rockwell, Flood Control Plans, Alleviate Flooding, North and East of Indian Bend Wash, Strengthening, Berneil Dike, Deepening Ditches, Invergordon, Hold Back Floodwaters, Flood Ditches, Finance, M.L. Folkman, Berneil Water Company, Mountain View Road, 68th Street, South of Fanford, 66th Street, NE Paradise Valley Residents, Mrs. Richard Betts
104	September 15, 1972	Monday Night - Flood Bond Decision Due	X Public Hearing, Finance, \$12 Million Flood Control Program, Mayor Bud Tims, Scottsdale Chamber of Commerce, Four-phase Flood Control Program, Bond Referendum, Chamber President Sam Pendleton, Vote, Boosting City Sales Tax, Opponents, Scottsdale New Car Dealers, Scottsdale Town Enrichment Program, Public Works Director Marc Stragier
109	September 15, 1972	PV Gets Flood Insurance	X Department of Housing and Urban Development, Paradise Valley, Arizona Communities and Counties, Federally Funded Flood Insurance, Deputy State Insurance Director Melvin Dunton, Paradise Valley Structures, In Existence, Eligible, After Today, Located Outside Flood-prone Zones, Maps, Completed, On Condition, Land Use, Control Measures, Reduce, Future Flood Damage, Aetna Casualty and Surety, Phoenix, National Flood Insurance Association
108	September 16, 1972	Special Meeting Slated	X Bill Schrader, Chairman, Citizens Advisory Board, Maricopa County Flood Control District, Special Meeting, Bond Issue, Drainage Plans, Subdivisions, Building Program, Paradise Valley, North Phoenix
109	September 18, 1972	At Public Hearing - Flood Tax to be Discussed	X John Q. Citizen, Express Views, Financing, Scottsdale's Flood Control Program, Mayor Bud Tims, Council, Welcome Statements, Taxpayers, City Sales Tax, City Public Works Director Marc Stragier, Four Phase Flood Control Program, Scottsdale Town Enrichment Program (STEP), Citizens Favor, New Car Dealers, Opposed, Scottsdale Chamber of Commerce, Bond Issue, Funds
110	September 18, 1972	County Manager Defends Lowry	X County Manager Charles W. Miller, Early Retirement, Col. John C. Lowry, Chief Engineer, Maricopa County Flood Control District, Two Members, Advisory Board, Unhappy, Diverted Flood Control Revenues, Projects of Lesser Importance, William P. Schrader, Scottsdale, Former Chairman Hugh Nichols
111	September 19, 1972	A Flood Control Bond Issue?	X Citizens Advisory Committee, Maricopa County Flood Control District, Bond Proposal, Army Corps of Engineers, Flood Control Project, Maricopa County Residents, Voter Defeated, Flood Control Bond Issue, 1965, Confusion, How Money Spent, Concrete Channels, Environmental Damage, Col. John C. Lowry, General Manager, Flood Control District, Phoenix Area Only, Floods, Maricopa County Residents
111	September 19, 1972	Flood Funds Anticipated by Scottsdale	X Congress, Scottsdale, Flood Control, Mayor B.L. Tims, State Revenue-sharing Referendum, Arizona Voters, Flood Control Project, Local Funds
114	September 21, 1972	Engineers Okay Green Belt	X U.S. Corps of Engineers, Green-belt Concept, Flood Control, Indian Bend Wash, Arthur V. Potter, Civilian Chief of Water Resources, Los Angeles District, Maj. Will Worthington, Special Assistant District Engineer, Arizona-Nevada, Four Alternatives, Diked Channel Concept, Excavated Concept, Concrete-lined Concept, Authorized, Federal Government, Rejected, Scottsdale Officials, Land Management Plan, City of Tempe, Southern Reaches of Wash, Construction, Proposed Siphon, Arizona Canal, Congress, City of Scottsdale, Rights-of-way, Protection, Flood-prone Areas, Public Works Director Marc Stragier
114	September 21, 1972	Flood Bonds Topic	X Advisory Board of Maricopa County Flood Control District, Feasibility, Vote, Bond Issue, William Schrader, Scottsdale, Scottsdale Mayor, Salt River Project, Five-year-plan, Flood Control Projects, Board of Supervisors, Rights-of-way, Indian Bend Wash
112	September 22, 1972	4 Plans Offered to Control Floodwaters of Wash	X U.S. Corps of Engineers, Alternatives, Flood Control Indian Bend Wash, Public Works Director Marc Stragier, Maj. Will Worthington, Corps, Cooperate, Control Flood Waters, Concrete Channel, Digging Large Channel, Dikes, Managed Flood Plain, Scottsdale, Green Belt Plan, Restrict Development in Wash, Recreational Uses, Most Feasible, Mayor Bud Tims, Financing, Federal and State Revenue-sharing Money

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113	September 22, 1972	Flood Control Proposed for Stalled Freeway Area	X Construction, Flood Control Channel, Superstition Freeway, East of Tempe, Alleviate Flood Drainage Problems, East Valley Communities, Supervisor Henry Haws, Robert Esterbrooks, County Engineer, State, City, County Officials, Controlling Runoff, Drainage Problems in Mesa, Tempe and Other Areas, Southern and Baseline, Gila River, Salt River, Federal Money, Special Flood Control District, Subdistrict of County Flood Control District
115	September 22, 1972	Green Belt Plan Pushed to Solve Scottsdale Floods	X Scottsdale, Built in Middle of Wash, Floods, U.S. Hydrologist Herbert H. Schumann, Tempe, Agricultural Land, Flooded, Home Business Buildings, Indian Bend Wash, Park, Golf Course, Engineering Structures, Green Belt Plan, Flood Control, Phoenix Rotary Club, June 22, Three Thunderstorm Converged, Storm, Four Inches of Rain, Paradise Valley, Three Hours, Since 1970 Labor Day Flood, City of Scottsdale, Dikes and Canals, American Canal, Acts as Dam, Holding Water, Built in 1800s, Irrigation Purposes, No Good For Flooding Carry-away, Huge Pipe, Dwindle Down, Flood Canals, Small Pipe, Getting Larger, Green Belt Approach, Aesthetically Pleasing, Uses of Land
116	September 23, 1972	November Vote on Flood Bonds Vetoed	X Flood-prone Areas, Maricopa County Flood Control District Advisory Board, Rejected Placing, Bond Issue, Ballot, Col. John C. Lowry, Flood District Manager, 1964, Jack Brown, Not Having Complete Plans, Bill Schrader, Advisory Board Chairman, Full Information, Not Approve Open-end Deal, Hugh Nichols, District Into Zones, Scottsdale Public Works Director Marc Stragier, Pay-as-you-go Method, Maricopa Association of Governments, Property Tax, Bill Alexander, 40th Street Citizens Group, Flood Control, More Studies
117	September 23, 1972	Lack of Time Cited - Flood-Control Unit Votes Against Bonding Proposal	X Maricopa County Flood Control District Advisory Board, Not to Recommend, Board of Supervisors, Bond Election, Flood Control Works, Insufficient Time, William Alexander, 40th Street and Camelback Area, Severely Damaged, June Flood, Commissioner Reid Teeples, Commissioner Roy Garber, Marc Stragier, Pay-as-you-go Plan, Bond Issue, Lets-get-moving Movement, Phoenix Metropolitan Area, 1966, Col. John C. Lowry, Raise Funds, Federal Money, Corps of Engineers, Soil Conservation Service, Environmental Impact Study, Congress, Buy Land, Relocate Roads and Utilities, County Into Zones, Flood-control Structures, Chairman William Schrader, Open-end Bond Issue
118	October 4, 1972	Flood Watch On; Storm Intensifies	X Storm Warnings, Scottsdale Residents, Rainfall, Not Develop, June Storm, U.S. Weather Bureau, Flash Flood Watch Warning, Scottsdale, Arizona, Fast Spreading Storm, Intersections, Flooded, City Police, Fender Bender Accidents, Ramiro Guebara, McKellips Road Near Alma School Road, City Landfill, Salt River Project, Arizona Canal, Evergreen Wash, Northeast of Scottsdale, Salt River, Scottsdale Police Warnings, Shea Boulevard, Water Running In Washes, Increasing Rate, McDowell Mountain Watersheds, Paradise Valley Deputy Marshall Leslie Wight, Standing Water, Bad Spots, Dirt Sections, Double Tree Ranch Road, Town of Paradise Valley, Heavy Rains, Danger, Storms, Sandbags, No High Winds, June Storms, Cyclone Winds, SRP, Indian Bend Wash, National Weather Service, Yuma, Grand Canyon, Payson, Nogales, Tucson, Prescott, Williams, Sedona, Kingman, Coconino, Yavapai, Gila, Graham, Cochise, Santa Cruz, Pima, Pinal, Maricopa Counties, Navajo County, Streams, Mogollon Rim
119	October 4, 1972	City Allots Funds for First Phase of Flood Control	X City Council, Construction, Half-mile Long Ditch, Four-phase \$12.5 Million Flood Control Program, Phoenix Constructor's Inc., Rebuild, Drainage Ditch, 64th Street, Shea Boulevard, Cholla Street, Max Pelka, Assistant City Engineer, Rock-lined Ditch, Flood Protection, Damaged June 22 and 23, Scottsdale, Phoenix, Town of Paradise Valley, Indian Bend Wash, Bridge, Sidewalk, City Councilman Herb Drinkwater, Easements, Gold Dust Subdivision, Public Works Director Marc Stragier, Funds, Federal Agencies, City's Capital Improvement Funds
120	October 5, 1972	Rain Damage is Negligible	X Negligible Damage, Rain, Scottsdale, Police Chief Walter Nemetz, Acting City Manager, Storm, Rainfall, Shea Boulevard, Scottsdale Road, Police Assistant Gordon H. Gartner, Fred Navarro, City Councilman Herd Drinkwater, Some Damage, North Scottsdale, City Councilman Dick Campana, Yards, Flooded, Four Inches of Water, Flood Waters, Washed Out, Private Bridges Over Arroyos, Pima Road, Indian School Road, High Flowing Washes, Closing, Pima Road Near Carefree and McKellips Road, Hayden, Max Pelka, Acting Public Works Director, Thunderbird Road, Salt River Project, Evergreen Wasteway, Arizona Canal, From Overflowing, Runoff Water
121	October 6, 1972	Flash Flooding Watch Still On	X Flash Flood Watch, Arizona, Tropical Storm, National Weather Service, Heavy Rains, Colorado River Valley, Flash Flood, Washed Out Bridge, U.S. 89, Tucson, Ground, Saturated, Earlier Rains, Considerable Runoff, Heavy Showers, Rainfall, McNary, Show Low, Yuma, Bisbee, Prescott, Ft. Huachuca, Payson, Phoenix, Scottsdale

0	Year	Title of Newspaper Article	Key Words
121	October 6, 1972	Flood Bonds: A Wise Decision	X Flood Control Bond Issue Proposal, Ballot, Recent Floods, Maricopa County, Maricopa County Flood Control District Advisory Board, Rejected the Idea, Col. John C. Lowry, Complete Estimates of Cost, Environmental Impact, Wildlife Habitat, Channel Clearing, Bond Issue,
122	October 6, 1972	Low Rain Damage Hailed by City	X City Officials, Minor Damage, Rainfall, Max Pelka, Assistant City Engineer, Damage Negligible, June Storms, Kept Water Flowing, Indian Bend Wash, Drainage Irrigation Ditches, Cleaned, June Storms, Thunderbird and North Hayden Road, Repair of Streets, June 22 and 23 Storm, Park Facilities
123	October 6, 1972	Golf Course Site Sought in Wash	X Executives, Scottsdale Hilton Hotel, Build 18-hole Gold Course, Indian Bend Wash, 90 Acres, Arizona Canal and McDonald Drive, Bob Karatz, Scottsdale Hilton Manager, Fred Holton, Gold Course Architect, City Public Works Director Marc Stragier, Developed Two Ways, City Acquire Property and Rent it Back, Hilton Chain Purchase Property and Grant Easement, Foot Bridge Across Arizona Canal, Semi Private Gold Course, City Planner Bill Walton, Recreation Areas
124	October 6, 1972	Condition of Street Draws Plumber's Ire (& Picture)	X Scottsdale Plumbing Contractor, Form Improvement District, Potholes, Spud Henry, Mayor Bud Tims, City Works Director Marc Stragier, Earll Drive Paved, Scottsdale Road and 70th Street, Lakes Form, Every Rain
125	October 6, 1972	Flood Study Set In Tucson Area	X U.S. Army Corps of Engineers, Rillito River and Pantano Wash, Col. H. Roper, Jr., Pima County Board of Supervisors, Flood Hazard Areas, Identified, Past and Future Flooding Problems, Flood Control Solutions
125	October 6, 1972	Bridge Washout (Picture)	X Torrential Rain, Wash South of Tucson, Overflow, Washing Out, Bridge, U.S. 89, Arizona Highway Patrol, Truck, Plunged Into Wash, Bridge Collapsed, Road Closed
126	October 7, 1972	Traffic Jam (Picture)	X Mill Avenue, Nightmare, Flood Waters, Filled Salt River, Tempe Bridge, Tempe, Phoenix, Scottsdale
126	October 7, 1972	Not Exactly Smart (Picture)	X Man, Cross Salt River, Bicycle, Van Buren Street, Water Rushes Down River
127	October 7, 1972	Despite Heavy Runoff - Storm Damage Light (& Pictures)	X Storms, Three Inches of Rain, Runoff Water, Rain, Saturated Ground, Damage Was Light, Houses, Scottsdale, Arizona Canal, Phoenix, Water Damage, One Death, Electrocutation, Northeast Phoenix, Jack Adamson, Downed Power Line, Salt River Project, Release Water, Saguaro Lake, Dry Salt River Bed, Tempe, Indian Bend Wash, Jeanne Allen, City Information Specialist, Flooded Intersections, Marc Stragier, Public Works Director, Don Renz, Assistant City Planner, Dave Harris, City Community Development Director, Pat Neal, Inspector, Engineering Department, City Refuse Trucks, Transport Sandbags, Earth Fill, 68th Street and Lafayette Boulevard, Storm, Pima Road, Thomas and McDonald, Camelback Road, Floodgates, Evergreen Wasteway, Floodwaters, High Water, Scottsdale Police, Accidents, Fender-bender, Thomas, McDonald, Shea and Camelback, Flooded Street, Rushing Water
127	October 7, 1972	Ambulance Gets Through (Picture)	X Deep Water, Osborn Road, Hayden Road, Rain, Canals, Wet Weather
128	October 7, 1972	Mesa Swamped by Heavy Rain - Police Kept on Run (& Picture)	X Mesa Police, Streets, Deluged, Rainfall, Flooded Streets, Stalled Cars, Road Cave-ins, Broken Canal, Barricades, Washed Out Pavements, Consolidated Canal, Broadway and Lindsay, Broke, Water, Trailer Park, Flooded, Broadway, Brown Rd., Flooded Out, Impassable, Stapley and Gilbert, Main St., Mesa Dr., Giant Chuckholes, Stormdrain, Horn and Main, Collapsed Pavement Excavation, New Storm Drainage System, Southern and Dobson, Plugged Storm Drains, Hazard to Homes, Houses Being Flooded, Salt River Project Employees, Releasing Water, N. Country Club Dr., McKellips Rd., Lightening, Storm Topples Power Poles, High Winds, Tolleson
129	October 7, 1972	Where Do We Shut Off The Faucet? (& Pictures)	X Rains, Valley, Four Days, Tempe, Minor Flooding, Closure, Roads, Parking, Commuting, Sun Devil Stadium, River Bottom, Full With Water, Bridge, Scottsdale Road, Closed, Sheriffs Department, Sinking, Tempe Fire Department, Relocated, Pumpers, Water Filtration Plant, Damage, Mill Avenue, Curry Road, Tropical Storm, Brokeup Over Southern California, National Weather Service, O.L. Barnes, Mrs. Howard Hines, UA Experimental Farm, Sky Harbor International Airport, Salt River Project, Rain, Verde River Dams, Salt River, Arizona Department of Public Safety, Flash Flood Warnings, Rock Slides are Possible, Cars, Extensive Flooding, Stalled, Valley Plaza Shopping Center, Southern Avenue and McClintock Drive, Tempe Bridge, Hayden Butte, Overflow, Salt River Project Irrigation Standpipe, Drain System
130	October 7, 1972	Man Is Saved From Salt River	X Truck, Stranded, Salt River at Hayden Road, Cross River, Charley Street, Debris Hit Man
131	October 7, 1972	Over Abundance (Picture)	X Water, Mesa, Shower Activity, South Country Club Near 2nd Ave., Water Up to Hubcaps
1	October 9, 1972	Now and Then (Pictures)	X Flooding, Salt River, Now, Then, Flood of 1891, Water, 15 Feet High, Tempe Historical Society

0	Year	Title of Newspaper Article	Key Words
132	October 9, 1972	Joanne Leaves Arizona Soaked	X Arizona, Four Days of Rain, Tropical Storm Joanne, Flood Alerts, Little Colorado River, Winslow, Holbrook, No Damage, Arizona Game and Fish Dept. Hatchery, Payson, 7 Inches of Rain, Three Days, Flagstaff, Phoenix, Runoff, Released, Water Dry Salt River, Canyon and Saguaro Lakes, Close Major Streets, Phoenix Area, National Guard, Deaths, Two Persons, Jack Adamson, Electrocuted, Fallen Power Line, Alma Jimenez, Rainsoaked U.S. 89, Tucson, Rockslides, Mountain Roads, Closed, U.S. 89, Bridge Washed Out, U.S. 80 at Agua Fria River, U.S. 88 Between Roosevelt Lake and Payson
133	October 9, 1972	City Cut Off 2 Ways	X Indian Bend Wash, Divided the City, East and West, Arizona Canal, Scottsdale Road and Shea Boulevard, Blocked, Heavy Rains, Camelback County Club, Kaiser Aetna McCormick Ranch, Impeding Flow of Water, Complaining Citizens, Cut Off, Rainstorms, Hospitals, Emergency Treatment, Arizona National Guard, Repairing, Damaged Roads, Washed-out Shoulders, Drainage Ditches, Three Day Rainstorm, Sand Bags, Plastic Sheets, Public Works Director Marc Stragier, Siphon
133	October 11, 1972	Groundbreaking Slated for Dreamy Draw Dam	X Comprehensive Flood-control Plan, Dreamy Draw Dam, Built, Army Corps of Engineers, 16th Street and Northern Avenue, Dreamy Drive Turnoff, Maricopa County Board of Supervisors, Adopted, August 28, 1963, North Phoenix Plan Works, Cave Buttes Dam on Cave Creek, New River Dam, Adobe Dam on Skunk Creek, Union Hills and Arizona Canal Diversion Channels Channelization of Agua Fria River from Indian School Road
133	October 11, 1972	Flood Plain Ban Asked	X Subdividers, Develop Land, Three Additional Building Stipulations, Subdivision Regulation Ordinance, Town Council, Level of Streets, Building Sites, 100-year Flood Line, Flood Plain, Indian Bend Wash, Encroachment Line, Submit 17 Copies of Preliminary Plats, Planning and Zoning Commission, Town Manager Jack Phillips, Less Susceptible to Flooding
134	October 12, 1972	Tempe, City Seek Wash Drain Land	X City of Tempe, Maricopa County Flood Control District, Scottsdale Officials, Indian Bend Wash, Salt River, Public Works Director Marc Stragier, Grover Serenbetz, Acquisition of Land, Flood Waters, Col. John Lowry, Flood District Manager, Advisory Board, Easement, Right of Way, Channel, Built, First Phase, Four-phase Flood Control Program, Scottsdale and Paradise Valley, Repairing Damage, Streets and Ditches, Rain Storms, North Scottsdale, Hayden and Indian Bend Roads, Richard Brown, 64th Street, Cholla Street and Shea Boulevard
135	October 12, 1972	Editorial Page - Get the Bridge Built	X Bridge Over Salt River, Scottsdale, Tempe, Heavy Rain, Valley, Community Cut in Half, Scottsdale Residents, Tempe, Arizona State University, Tempe Bridge, Scottsdale-Tempe Area, Rural and Scottsdale Roads, County Supervisors, All-storm Bridge
135	October 12, 1972	It's Just a Sometime Stream	X Salt, Lovely Indian Bend Wash, Sewage-brown Water, Floods, East and West, Stranded, All-weather Crossing of Wash, Thomas Road
134	October 13, 1972	From Federal Sharing - Flood Control Plan Gets Boost	X Funds, Construction, Scottsdale's Four-phase Flood Control Program, Federal Revenue Sharing Bill, Public Works Director Marc Stragier, Purchase 60 Acres, Mrs. Grace Hudson, Arizona Canal, Install Drainage Culverts, Improve Street Drainage, Build Large Culverts, McDonald Drive, Thomas Road, Indian School Road, Drainoff Area, Siphon, 18-hole Golf Course, Scottsdale Hilton, Build Dikes, Maricopa County Flood Control District, U.S. Corps of Engineers
136	October 13, 1972	Flood Control - Fountain Hills Has it! (& Advertising Map)	X Flood Control, McCulloch Engineers, Flood Control System, Fountain Hills, June "Once-in-25-years" Cloudburst, Phoenix Area, No Major Flooding Problems, Channels, Open Spaces, Natural Park Facilities
137	October 17, 1972	Ground For Dam Broken in Spirit Only (& Picture)	X Groundbreaking Ceremony, Dreamy Draw Flood Control Dam, June 22 Storm, Less Flooding, Mayor John Driggs, 16th Street and Northern, Earth-filled Dam, Concrete Spillway, Impound Floodwaters, Release Into Arizona Canal, 12th Street, Sunnyslope Area, Col. Harry Roper, District Engineer, Army Corps of Engineers, Los Angeles, Bob Stark, Chairman, Board of Supervisors, Maricopa County
138	October 17, 1972	Flood Culvert Pledged	X City Council, Preliminary Plans, Construction, Culverts, Indian Bend Wash, Thomas Road, City Engineer Dan Raby, Capital Improvements, City Councilman Dick Campana, Acquisition of Rights-of-way, Easements, City Streets, Scottsdale, Public Works Director Marc Stragier, Developer David Friedman, Hayden Road, Camelback Access, Villa Monterey Golf Course, Shea Boulevard
138	October 17, 1972	Indian Bend Wash 1 Subject For Joint City Council Meet	X Indian Bend Wash, Scottsdale, Tempe, Rains, Subsequent Flooding, Favor, Grassy, Park-like Development, Maricopa County Flood Control District
139	October 18, 1972	Storm Moves On	X Arizona's Second Fall Storm, National Weather Service, Flash Flood Watch, Central and Northern Arizona
139	October 18, 1972	Flood Watch Issued	X Flood Watch, Central Arizona, National Weather Service, Central Basins, Grand Canyon, Mogollon Rim, White Mountains, Storm, Pick Up Moisture, West Coast, Rain, Sedona, Prescott, Bisbee, Flagstaff

0	Year	Title of Newspaper Article	Key Words
140	October 18, 1972	Town Defers Resort Plan Again	X Drainage, Landscaping Plans, Planning and Zoning Commission, Gulf Leisure, Town Boards and Commission, C. Michael Pierce, Attorney, Developers, Flood Drainage Plan, No Water Runoff, Neighboring Property, Rain, Jackrabbit and Scottsdale Roads, Flooding, Land, Homes, Graveling, Concaving, Storm, Water-retaining Wall, Roadways, Water Carrying Capacity, Town Council, Grading Elevations
139	October 19, 1972	Ho, Hum, Let's Talk Flood Control	X Wickenburg Town Council, Progress, Flood Control, Wickenburg Town Manager Ralph Dow, Coney Orosco, Mayor Bud Billingsley, Meeting, Phoenix, Dams, Sunny Cove and Sunset Washes, Council, Chris Williams, Construction
141	October 19, 1972	When The Hassayampa River... (Picture)	X Hassayampa River, Cross River, Baseline Road, Harquahala Valley, Wall of Water, Pickup, Buried, Mud, River Bottom, Rains, Floodwaters
142	October 19, 1972	Stormy Weather Drenches Area (Pictures)	X Floodwaters, Higley Rd., Apache Tr., University Rd., Plugged Drains, Broadway and Stapley, Pump Out Storm Drains, Ducks, Reed Park, Tara Parke Apartments, Mr. and Mrs. O.W. Miller, Winds, Trailer Home, Road Runners Rest Trailer Park, Apache Junction, Storm, Starr Lane
143	October 19, 1972	Downpour Drenches State - Schools Closed for Day	X Storm, Rainfall, River Runoff, Drench, Mesa-Apache Junction Area, Road Closures, East Mesa, Rainwater, Country Club Drive, Salt River Crossing, Granite Reef and Stewart Mountain Dams, Valley, Salt River Project, Stewart Mountain Dam Spillway Gates, Down River, SRP Spokesman, Canyon and Saguaro Lakes, North Mountain Areas, Verde River Channel, Maricopa County Sheriff's Deputies, Salt Flowing, Two Feet Above Standard, Blue Point Bridge, Northeast Mesa, Bridge Could Wash Out, Indian Bend Wash, Mobil Homes, Overturned, Frame Home Leveled, Wind, Rain and Funnel Cloud, Closed, State Route 88, Apache Trail, Canyon, Apache and Roosevelt Lakes, Bush Highway, Ocotillo, Haws, Ellsworth, Broadway, Elliot, Recker, Ocotillo, Baseline, Rittenhouse, Broadway, Mountain Road, Signal Butte Apache, University, Williams Field Road, Bush, Dobson, Price, Brown, Greenfield, McKellips, Salt River, Alma School Road, Hayden, Riverbottom, Scottsdale Road, State Route 87, Main Street, Mesa Drive, Gilbert Road, Storm Drain Construction, Excavated Banks, Caving In, Barricades, Mired in Mud, Stapley Driver, 10th Avenue, Southern, Alice Mary Wade, Michael Van Conrad, National Weather Service, Payson, Community of Mountainair, Flagstaff, Flash Flood Watches, Central and Northern Arizona, Yavapai County, Verde River, Coconino County, Oak Creek, Sedona Area, Pima County, Tucsons, Tanque Verde and Pantano Wash Areas, Highway Patrol, Arizona 288, Globe and Young, Reynolds Wash, Payson to Phoenix Highway, Mud and Rock Slides, Bisbee, Coolidge, Heavy Thundershowers, Flooding
144	October 19, 1972	Scottsdale, Tempe Councils Agree - Indian Bend Should Be Grassy, Wide Channel	X Scottsdale, Tempe, Indian Bend Wash Flood Control, Project, Grass-line Channel, 600 to 800 Feet in Width, Maricopa County Flood Control District, Acquisition, Right-of-way, Funds, Grass Channel, Park Purposes, Flow at the River, Early Problem, Channelization, Downstream, Flood Land, South Bank, Scottsdale Road, Mill Avenue, Construction, Culvert-type Bridge, Indian Bend at Thomas Road, City Not Be Divided, Water Flows, Preliminary Plans, Mesa-Tempe Bridge Project, Tempe Canal, Balboa Drive
144	October 19, 1972	Powerful Rain Hits in Tempe	X Rain, Tempe, Showers, National Weather Service, Water Filtration Plant, Measured Most Rain, O.L. Barnes, Downtown Tempe, Mrs. Howard Hines, UA Citrus Station, UA Experimental Farm, Sky Harbor International Airport, Phoenix, Roads Closed, Hayden Road, Scottsdale Road, River Bottom, Mill Avenue Underpass, Roads Flooded, Salt River Project, Mill Avenue Bridge, Damages, Vehicles, High, Heavy Rains, High Winds, Upsetting Eight Trailer Homes, Apache Junction, Flash Flood Warning, Maricopa County, Arizona
145	October 19, 1972	Why Worry About Water? (Picture)	X Central Arizona Project, Rain
146	October 19, 1972	City, Tempe Agree on Wash, Waste	X Scottsdale and Tempe City Councils, Cooperate, Recycling and Flood Control Projects, Mayor Bud Tims, Mayor Dale Shumway, Flooding, Indian Bend Wash, Ecological Refuse Disposal, Waste Inc., Maricopa County Flood Control District, Northern Section of Tempe, Dumping Water, Salt River, Public Works Director Marc Stragier, Development, Scottsdale's First Phase, Channelization, Flood Waters, Flow South, Cement-lined Channel, Green-belt Concept, Public Works Director Grover Serenbetz, Tri-City Industrial Area, Hayden and Pima Roads, South of Salt River, Scottsdale, Tempe, City of Mesa, Van Buren and Miller Road
146	October 19, 1972	On Heels of Storm - More Rain Predicted	X Two Inches of Rain, Thunderstorm, Scottsdale, Valley, National Weather Service, Flood Warnings, Rain, Flash Flood Warnings, Maricopa, Pinal, Gila, Maricopa Counties, Navajo and Apache Counties

0	Year	Title of Newspaper Article	Key Words
147	October 19, 1972	Flood Water Cuts City on Half Again (& Picture)	X Third Time in Four Months, Waters Cut Scottsdale in Half, Indian Bend Wash, Salt River, Public Works Director Marc Stragier, East, West Arterials, Closed, North Scottsdale Road, Shea Boulevard, McDonald Drive, Arizona's Second Major Storm, Scottsdale School District Schools Closed, Major Roads, Paradise Valley, Town Officials, Confined to Homes, Salt River Project, Granite Reef Diversion Dam, Stewart Mountain Dam, Saguaro Lake, Blue Point Bridge, Downstream of Dam, Emergency Stations, Residents, Flood-prone Areas, Sandbags, Earthfill, Arizona Canal, 68th Street, Lafayette Blvd., Water From Flowing Into Homes, Canal, Broken, Streets, Flooded, Shea Boulevard, Cars, Stalled, High Water, Chaparral Road, Camelback Road, Indian School Road, Thomas and McDowell Roads, Scottsdale Rural Fire Department, Command Post
147	October 19, 1972	Two Birds Hit With One Stone	X Scottsdale City Officials, Mayor Bud Tims, Ballot, Inquiry About Flooding
148	October 20, 1972	Rains, Water Subsiding; Mesa Schools Still Shut	X Mesa, Rain Clouds, Water-soaked, Valley, Roads, Closed, Mesa Public Schools Closed, Main Street, Mesa Drive, Gilbert Road, Higley Road, University, Alms School Road, McKellips, Riverbottom, County Club Drive, Salt River Crossing, University to Tempe Bridge, Maricopa County Sheriff's Office, Bush Highway, Storm-related, Vehicles, Stuck in Mud, Storm Drain, Construction, City of Mesa Humane Officer, Muddy Stray Dogs, North Matlock, University of Arizona Experimental Farm, Cloudiness, Chance of Showers
148	October 20, 1972	Project Lakes Make Big Gain	X Rain, Salt River Project, Salt River, Indian Bend Wash, SRP Spokesman, Storm Runoff, Valley, Storm Water, Spillways, Washes, Stewart Mountain Dam, Saguaro Lake, County Club Drive, Phoenix, Scottsdale In Half, Release Gates, Heavy Runoffs, Watershed, SRP Lakes, Roosevelt and Horseshoe Lakes
149	October 20, 1972	Progress Photos by Paul Brown and Dennis Carroll (Pictures)	X Wash, Floods, Carol Swingle, Ford the Crossings
150	October 20, 1972	City Outlast Storm	X Scottsdale Citizens, Floodwaters, Public Works Director Marc Stragier, Rainfall, Prolong Emergency Situation, Scottsdale Police, Funnel Cloud, Pima Road, Indian Bend Road, Did Not Touch Down, Tornado, Rainstorm, Cholla School, City Workers, Sandbags, Delivered, Flood-prone Areas, Diver the Flow, Block Off City Streets, City Parks Director L.B. Scacewater, Floodwaters Flow Over Park Areas
151	October 20, 1972	5 Die in State Floods (& Pictures)	X 500 Persons Evacuated, Clifton, Safford, San Francisco and Gila Rivers, Flood Waters, Dennis Meadows, Rain-swollen Ditch, Tucson, Four Persons, Drowned, Navajo Indian Reservation, Highway Washed Out, Tuba City, Kayenta, Greenlee County Sheriff Forrest Wilkinson, 50-year Old Flood Control Wall, Broke, Bank Cave In, Flooding, Town, Many Leaks, Water, Pour Into Flat Lands, New Mexico, Rains, Heavy, Little Hollywood, Graham County Deputies, Safford Valley, Runoff, Storm Blocked, Streets, Phoenix Area, Ronnie Bereit, Indian Bend Wash, Indian School Road, John Wilson, Thomas Road, Scottsdale Police, Rising Water
152	October 20, 1972	Flood Toll at 5, Towns Evacuate (& Pictures)	X Four Persons Drowned, Flooded Arroyo, Tuba City, Arizona's Eastern Boarder, Evacuated, Department of Public Safety, Three Cars, Plunged, Water, 10 to 15 Feet Deep, Highway, Child, Tucson, Greenlee County Sheriff's Deputies, San Francisco River, Safford, 200 Forced to Leave Homes, Gila River, Spilled Over Banks, Mile Wide, Sheriff's Deputy Lawrence Thompson, Clifton, 100 Homes Flooded, Southeastern Arizona, National Weather Service, Serious Flooding, Water Supply Contaminated, Frank Lord, State Water Pollution Dimension, Boil Water, Arizona National Guard, Indian Village, Leupp, 27 Persons Stranded, Western New Mexico, Bridge, Silver City, Collapsed, Grant County, Southern Pacific Railroad, U.S. Highway 666 Bridge, Phelps Dodge Mine, Morenci, Duncan, Radio Station KCUZ, Broadcast Flood Warnings, Water, Close to Seven Feet Deep, Half-mile Belt, Mrs. Manuel Franco, Rockslide, Rains, Snow, Williams, Prescott, Wintery Chill, Cancellation, Flash Flood Warnings, Apache, Gila, Eastern Pinal, Graham, Greenlee, Navajo Counties, Little Colorado, Farmlands, 150 Families Evacuated, Little Hollywood, Davis-Monthan Air Force Base, Arizona Canal, Irrigation Canal, Spilled Over Its Banks, Four Locations, Homes Flooded, SRP Released Water, Two Lakes, Runoff, Mountain Streams, Overfill Reservoirs, Salt River, Country Club Drive, Inundating Roadway, McDowell, Maricopa County Sheriff's Deputies, Arizona Highway Patrol, Traffic Control Re-routing Cars, McKellips Road
153	October 20, 1972	Tempe Gets Over an Inch and A Half - Rains Cause Big Headaches	X Rain, Massive Traffic Jams, Tempe Bridge, Freeway, Scottsdale and Hayden Roads, Closed, Phoenix Street Crossings over Salt River, Phoenix, Scottsdale, Mill Avenue, Bridge, Tempe Police, Regulated Traffic, Princess Drive, Flood Waters, Tempe Public Schools, Rainfall, Mrs. Howard Hines, Southeast Tempe, Storm, UA Citrus Farm, UA Experimental Farm, Water Filtration Plant, Salt River Project, Salt River Bottom, Water Runoff, SRP, Lakes, Roosevelt and Horseshoe Dam, Lake Roosevelt, Bartlett Lake, McKellips Road, Indian Bend Wash, Grover Serenbetz, Public Works Director, Storm Damage, Pavement, Southern Avenue, Los Feliz Drive, Southern Avenue Storm Drain, O.L. Barnes, Southern Pacific Railroad, Heavy Rainstorm

0	Year	Title of Newspaper Article	Key Words
154	October 20, 1972	4 Dead in Floods; Damage Heavy (& Picture)	X Four Dead, Property Damage, Arizona's, Flooding, San Francisco and Gila Rivers, Four Persons Drowned, Three Cars Plunged, Flooded Arroyo, Northern Arizona, Water 10 to 15 Feet Deep, U.S. 160, Tuba City, Governor Williams, Executive Assistant C.R. Krimminger, Investigate Flood Situation, Clifton, Highway Department, Airplane, Col. Carl Smith, Division of Emergency Services, Luke Air Force Base, Hacienda del Angeles, Sandbagging, Home for Retarded Children, Salt River Project Spokesmen, Roosevelt Lake, Rise, 16 Feet, 24 Hours, SRP, Horseshoe Lake, Homes, Evacuated, Farm Submerged, Roads, Bridges, Wiped Out, Flooding, Flash Flood Warnings, New Mexico, Swollen Rivers, Clifton-Safford Area, Greenlee County Sheriff's Deputy Jay Jurado, Glenwood, N.M., 500 Person Evacuated, Heavy Rainstorms, Phoenix, Valley, Drying Out, National Guard, Marooned Indian Village, Leupp, Winslow, Flagstaff, Forrest Wilkinson, Flood Control Dam, Broke, Bank Cave In, Cave Creek, Flood Waters, Bell Road, Driver, Stalled, Swirling Waters
154	October 20, 1972	Flood Damage	X Water, Flat Lands, Little Colorado River, Northeastern Arizona, Flooding, Holbrook, Winslow, National Weather Service, Heavy Rains, Road, Street Closures, Yavapai County Sheriff's Office, Evacuated 12 Families, Camp Verde, Verde River, Spilled Over Banks, Earthen Dam, Collapsed, Indian Village, Tuba City, Washing Away, Homes, Indian Bend Wash Scottsdale, Salt River Project, Salt River, Rain, Public Schools Closed, Open, Maricopa County Sheriff's Office, Flood Runoff, Salt River Bed, Cotton Farmers, Lee Stith, Arizona College of Agriculture, Weathermen, Storm, Showers
154	October 20, 1972	Where Once Was a Road (Pictures)	X Phoenix, Washed-out Roadways, Street Flooding, 40th Street, Salt River, Showers, Inundated Area, Seventh Avenue, Bell Road, Heavy Rains, Highways, Normally Dry Washes, Stranded, 48th Street, Valley
154	October 20, 1972	Costly to Scottsdale Residents - Mayor Tims 'Disturbed' by 'Light Rain' Flooding	X Road Crossings, Indian Bend Wash, Chaparral, McKellips, Scottsdale Road, Salt River Bottom, Indian School Road, Mayor B.L. Tims, Floods, Rainstorm, Spillover Effects, Phase I, Flood Control Plan, McDonald Driver, Thomas Road, Proposition 200
155	October 20, 1972	High, But Far From Dry (Picture)	X Salt River, Scottsdale Road, Rains, Rise, Runoff, Indian Bend Wash, Granite Reef Dam, Storm Dumped, Two Inches Rain, Valley
156	October 20, 1972	High Water (Pictures)	X Tempe, Rain Storm, Dumped, Two Inches of Rain, Tempe Drive, Williams Street, Flooded, June, Property Damage, Dog, Karen McCarthy
157	October 21, 1972	Flood Control to Get PV Funds	X Flood Control Projects, Tax Revenues, Proposition 200, General Election, Town Manager Jack Phillips, Maintenance and Construction, Flood Runoff Ditches, Town Council, Flood Control Study, Town Engineer Todd Rockwell
157	October 21, 1972	Flood Talks in Progress	X Mesa Chamber of Commerce Task Force, Flood Control, Murrell Smith, Chamber Manager, Maricopa County Supervisor Henry Haws, Col. James Lowry, John Esterbrooks, County Flood Control District, Flood Control Projects
157	October 21, 1972	Rain Water Closes Road for Days	X Salt River Project Officials, River Bottom, Rain Water Flowing, Water, Released, Bartlett Lake, Horseshoe Lake, Full, Salt River Bottom, Tempe Police, Motorists, Cross, Hayden and Scottsdale Roads, Stranded in Flow, Swept Downstream, Tempe Bridge, Slick Pavement, Three Days of Rain, Freeway, 19th Avenue, Seventh Street, Central Avenue, 16th and 24th Streets, Phoenix, Country Club Drive, Mesa, Heavy Rain, Hail, Rain Shower, Flooding, Down Pour
158	October 21, 1972	No, It's Not and Island (Picture)	X 12 Feet, 40th Street, Bridge, Salt River, Washed Away, Rains, Mr. and Mrs. Raymond Smith, Phoenix
159	October 21, 1972	Rain Claims 6th Victim - Gila Floods Duncan	X Flood Water, Low-lying Areas, Duncan, Rain-swollen Gila River, Overflowed, Dikes, Lt. Andrew M. Jensen, National Guardsman, Dike, Broken, Two or Three Places, Evacuated, Sheriff's Office, Flooding, Heavy Rains, Six Deaths, 500 Persons Evacuated, Navajo County Sheriff's Deputies, Bushman Acres, Winslow, Little Colorado River, Ames Acres, Greenlee County Sheriff Forrest Wilkinson, Clifton, 400 Persons Evacuated, 50-year Old Flood Control Wall, San Francisco River Broke, Flood Waters, Bank Caved In, Safford, 100 Persons Evacuated, Little Hollywood, Four Persons Died, Automobiles, Plunged, Washout, Highway 160, Tuba City, Navajo Reservation, Highway Patrol, Earthen Dam Collapsed, 15-foot Deep Crevice, Pavement, Car, Hole, John Weil., Margaret Rose Edwards, Gonzalo Arce, Fernando Pereyra Hernandez, Steven Lee Konzen, Swept Away, Turbulent Water, Bridge at Sabino Canyon, Tucson, C.R. Krimminger, Aid to Gov. Jack Williams, Col. Carl N. Smith, State Director of Emergency Services, Toured Holbrook-Winslow Area, Clifton-Safford Area, Phoenix, Office of Emergency Planning, San Francisco, Arizona, View Flood Damage, OEP, Recommendations, Washington, Clifton Police Chief Manuel Gonzales, 150 Homes, 50 Mobil Homes, Damaged, Destroyed, Gas, Sewer Lines Broken, Water Pumps, Boil Drinking Water, Water 5 to 7 Feet Deep, North Clifton

0	Year	Title of Newspaper Article	X Key Words
160	October 22, 1972	If It Had Been Raining On Election Day (Cartoon)	X Rains, Flood Control, Voters, Arizona
161	October 22, 1972	An Editorial - The Time is Now	X Phoenix, Floods, Three Times, Few Months, Deluges, Valley, Ravaging Property, June, Damage and Destruction, Voted, Against, Bond Issue, County-wide Flood Control Program, Maricopa County Board of Supervisors, Flood Control District's Revenue, Construction, Flood Plains, Washes, Stopped by Code, Rain, Maricopa County, Engineers, Funding

10-9-72

TEMPE (Ariz.) DAILY NEWS





NOW AND THEN — While the flooding of the Salt River caused some inconveniences, it wasn't anything as compared to times past. Now, in the top photo, shows a trickle of water coming down the Salt river, just a trickle as com-

pared to then, bottom photo, which was the flood of 1891, with the water around 15 feet high. Old photo courtesy of the Tempe Historical Society.

Jan Young photo

Dreamy Draw Becomes Floody Nightmare

By ESTHER CLARK

Torrential rains early today made a roaring river out of Dreamy Draw, triggered floods down washes and pushed the Arizona Canal over its banks in East Phoenix.

Muddy, debris-laden water leaped the canal bank at 7:15 a.m. and ripped out the retaining wall on the north side of the Lucky Supermarket on Glendale Avenue, just east of North 16th Street.

THE RAGING torrent left a wake of concrete bricks from the wall and tore down 16th Street.

Canal water was a scant three inches from bridges on

16th Street, where vehicles crawled and many were stalled in ditches.

Only hardy and daring motorists crossed Dreamy Draw where two to three-foot deep water poured from the higher hills.

Among Good Samaritans helping stalled drivers in the draw was Joseph Kolecany, who ploughed through the flood in rubber boots.

THE YOUTH, wearing jeans, an Army shirt and straw hat, said he does "a lot of pushing whenever it rains hard here."

Residing at 7201 Dreamy Draw, Kolecany and Bryan

Osborn pushed the stalled pickup truck of Darvie Randall, 13608 N. 34th Place, to higher ground of the draw.

Miss Randall, who was headed for her job at the Sands Motor Hotel on East Van Buren, turned around and started for home when

she saw she couldn't make it down 16th Street.

"I SAW A Volkswagen get through the draw and thought I could, too," she said after Kolecany and Osborn responded to her cries for help in the pickup.

Osborn, who lives in a

apartment at 19th Avenue and Cactus Road, said he was rained out at work as a construction laborer in Scottsdale and was going home when he joined the vehicle lineup at Dreamy Draw.

On East Lincoln Drive only emergency vehicles were allowed to proceed beyond 36th

Street because of a raging flash flood midway between there and Tatum Boulevard.

Sheriff's Deputy Jim Horner of the Jeep Posse said before easing through the flood that a car was stalled in a wash about a mile farther east.

"WE UNDERSTAND there

might be some people trapped in the car," he said. "We're also trying to get a jeep through to the car from the east side."

Deep mud and water, ear-shattering thunderclaps and ragged lightning flashes close to the ground merely served to increase the adventurous

spirit of whooping teenagers who cheered on Horner's jeep.

The downpour wasn't greeted with the same enthusiasm by drenched horses in corrals along Lincoln Drive. They voiced displeasure with loud neighs and hugged mesquite pushes for comfort.

SECOND FRONT PAGE

The Phoenix Gazette

VALLEY NEWS

Thursday, June 22, 1972

Section Two, Pages 25 to 42



First Baptist Church, 19th Ave. and Roeser, is flooded early today.

Gazette Staff Photos

Rain Damage Is Assessed For U.S. Aid

Col. Carl N. Smith, state director of emergency services, reported he will gather data on damage to forward to federal agencies for possible assistance.

Smith noted that several federal units already have volunteered help, including the Small Business Administration and emergency transportation agency.

Smith estimated the final tally on damage likely will be substantial. He said he personally viewed about 200 roofs stripped from high winds in the Shea Boulevard area between the Century Country Club and Scottsdale Road.

NATIONAL Guard water carriers were dispatched last night to assist evacuees brought to the Thunderbird Academy and Cocopah School.

Several Guard trucks were ordered to stand by for possible new evacuations in the Scottsdale area. The request was made by the Scottsdale city manager and channeled through Governor Williams.

Smith said some residents around Shea Boulevard moved their families to Red Cross holding centers, then they themselves remained at home to prevent looting.

Howard Ryder of the Maricopa County Civil Defense unit reported four canal breaks to Smith, who said one at 40th Street and Indian School completely flooded a number of cars in underground garages at the Cascade Apartments at the northwest corner of 36th Street and Campbell.

THE SALT RIVER Project reportedly was releasing water to hold down the river flow.

"At this time we do not have an extensive report on crop damage, but one farm owner in the Queen Creek area claims to have had all his cotton stripped away by the storms," Smith stated.

The state will be able to provide some financial assistance to public units, with federal authorities asked for aid to the private sector, according to Smith. The Small Business Administration, for example, could make low-interest loans some homeowners for losses, he said.

SMITH SAID his office has not become "operational" but that reports of possibly four inches of impending new rains and expected flash-flooding in Coconino, Yavapai and Navajo counties could change that picture.

Local Civil Defense entities were reported deluged with calls.

The governor's office, meanwhile, said a National Guard helicopter was flying over Scottsdale surveying damage, with others standing by at Papago Park for rescue service if and when needed.

The governor announced the Department of Emergency Services and National Guard would be on 24-hour call to lend assistance in the flood emergency.

FLOOD VICTIMS

Red Cross Sets Up At School

The American Red Cross set up a shelter in the North High Gymnasium to feed and house people forced from their homes by flooding.

Chuck Smith, director of public relations for the Red Cross, said the shelter is staffed with trained disaster workers, volunteers and one social worker. Cots, blankets and food were brought to the gymnasium this morning.

Although only 12 people had requested shelter before 10 a.m., Smith said he anticipated "many more calls" and set up the emergency area in order to "adjust to needs as they arise."

About 30 persons had come to Cocopah School at 6615 E. Cholla by late morning and more were filtering in, Bill Patterson, director of auxiliary services for the Scottsdale School District, reported.

He said an undetermined number of rained-out homeowners were placed in private homes.

Meanwhile, he said, many more refugees were expected from northeast Scottsdale as the area becomes more flooded from the Salt River Project opening the gates of the waste way at Hayden Road and the Arizona Canal.

One of the many casualties in today's street flooding was a vehicle driven by the wife of the state director of emergency services.

Col. Carl N. Smith said his wife, Lucille, became worried about flooding of the swimming pool at the Smith home at 3534 E. Elm.

"She drove to the police station and the car conked out on the way back. I don't know if she has got back yet or not," Smith said.

Summer school sessions for today and tomorrow have been canceled in the Madison School District.

All municipal swimming pool, golf courses and pools



Motorist bails out near Dreamy Draw as flood waters rise.

AND WHERE'VE YOU BEEN, BOSS MAN?

Rain Tests Patience, Mobility

By LOIS BOYLES

The rain in Spain may fall mainly on the plain but in Phoenix today it wasn't selective.

It fell everywhere.

AND ONE of its main purposes apparently was to stop me from getting to work.

Those who left home at the usual time were late.

I, who cleverly sat around waiting for the downpour to cease, was considerably later.

All in all it was a day of decisions.

The immediate question was whether to call in sick or snuggle down and enjoy the sound of rain beating softly on the roof and metallicly into the assorted buckets and pails hastily placed under uncompromising leaks.

A DEAD telephone solved that.

The discovery that I had suddenly acquired a house on the beach introduced another problem.

Should I leave the kids to shift for themselves and hope it quits raining before there was a need for last summer's rubber raft with the unfixed puncture, or should I pile them into the car and risk their necks in a traffic pile-up?

The word that more bad weather might be on the way and what looked like whitecaps on waves lapping against my door made that one easier.

EVERYONE sprinted to the car after abandoning the search for rain boots momen-

arily as forgotten as Phoenix' 160 or so wetless days.

From then on decisions

came fast and sometimes futile.

The split second need to apply pressure to wet brakes too often fell into the latter category.

And traffic that moved with reasonable steadiness north of Thomas soon jelled into a solid, seldom-budging line of vehicles which appeared to go forward only when some brave motorist allowed frustration to overcome reason long enough to turn into flooded side streets which he hoped would provide an escape route.

MANY CARS stalled.

Others backed up and rejoined the Central Avenue assembly-line which eventually did dump its motorized load into downtown parking lots and garages which are the next-best thing to reaching the job.

I, for one, felt a great sense of accomplishment on completing my time-long trek.

I had arrived.

And I beat the boss.



William Jett, left, and Russ Kress, direct traffic at 16th Street and Camelback



Karen Hanson uses raft to travel down 24th Street while Steve Ziegler watches

Boil water, flood areas told

The Maricopa County Health Department yesterday warned residents of Paradise Valley, Scottsdale and other heavily flooded areas to boil drinking water because of possible contamination from flooded septic tanks and infiltrated wells.

Dr. Ellis D. Sox, deputy director, said water samples were being taken, but "we won't know what's in the water for a couple of days."

The health department's warning was especially for an area bordered on the north by Bell Road, on the west by 40th Street, on the south by Indian School and on the East by Pima Road.

But Sox added: "As far as we are concerned, anyone who is not on city of Phoenix water, should boil their water first." He said the warning was issued as a precaution to avoid outbreaks of diseases.

People living in areas affected by power outages of 12 or more hours should also guard against eating food that may have spoiled in refrigerators, he said.

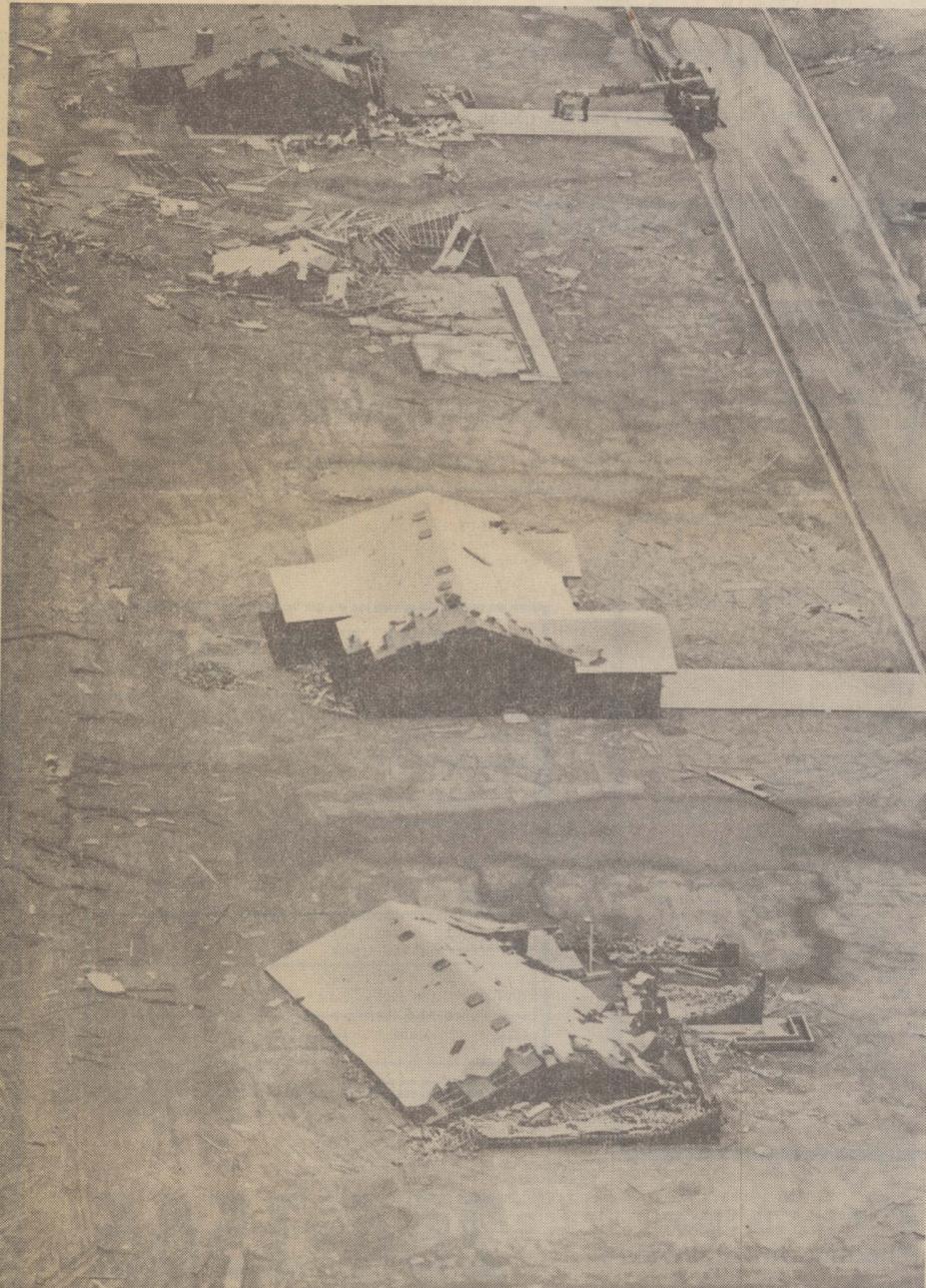
"In some areas septic tanks are not connected to public

sewers," Sox said. "To avoid danger, we recommend as little use as possible of showers and toilets, to avoid contamination of wells and surface water."

Sox said the health department has ordered municipal water plants serving flooded areas to "hyperchlorinate" water for several days. "If people taste or smell chlorine in the water, they will know we are trying to protect them," Sox said.

Meanwhile, the National Weather Service issued a checklist of things to do in case of a tornado:

- Seek shelter inside. Basements are safest. Lie flat in the nearest depression outside, if there is no time to escape.
- In homes without basements, take shelter in the smallest room with stout walls, or under heavy furniture.
- Open windows partially on the side away from the storm's approach.
- Mobile homes, particularly vulnerable to overturning, should be abandoned in favor of some other shelter or a ditch.



Tornado that ripped through houses at 65th and Shea left destruction in its wake



Family stranded by flood waters stand on roof of house and car hood

Republic Photos by Lud Keaton, Earl McCartney, Nyle Leatham, John Willard, Roy Cosway, Vince Kermitz, Roy Molen, Mike Smith



Susan Parker, left, and Sandy Berlin try to cross Camelback Road at 24th Street

Phoenix weather

Generally sunny with little temperature change. High 92-98, low 62-68. Yesterday's high 95, low 72. Humidity: high 69, low 15. Details, Page 31.

THE ARIZONA REPUBLIC

83rd Year, No. 39

Telephone: 271-8000

Phoenix, Arizona, Saturday, June 24, 1972

(Four Sections, 100 Pages)

Flood losses put at \$46

Roofless homes dot mud-soaked Valley

The rescue drama subsided with the waters yesterday, leaving the reality of roofless houses and mud-soaked furniture after Thursday's flood-producing cloudbursts.

Scottsdale, the hardest-hit of the Valley localities, suffered more than \$40 million in damages, estimated the State Division of Emergency Services yesterday.

The division's early damage estimate was a total of \$46 million throughout Maricopa County following the storms and floods that swept through the Valley Wednesday night and Thursday morning, killing one man.

The last such disaster, the 1970 statewide floods in which 23 persons died, caused damages of \$6 million.

Insured losses throughout the state from this week's storms were estimated at \$6 million in property damage by the

American Insurance Association, based on an AIA poll of local insurance companies. This included about \$1 million in claims from the 200 flood insurance policies, including many homes in northeastern Phoenix, a spokesman said.

The National Weather Service had good news for the soggy Valley, predicting sun, with some wind, throughout the weekend.

As disaster activity moved into the rehabilitation phase yesterday, this was the run-down on the Valley situation, with damage estimates provided by the Division of Emergency Services:

SCOTTSDALE—Private property damage at \$40 million, public property damage at \$500,000. Most of the 200 homeless families have been relocated. "I thought we had the best mobilization (of rescue agencies) we've ever had," said City Manager Dale Carter.

Osborn, Roosevelt and Chapparral roads were closed late last night in the downtown Scottsdale area, with all other major arteries open by yesterday afternoon.

PHOENIX—Private property damage at \$3.9 million and public damage at \$461,000. "We'll need a general clean-up and much street patching," said deputy city manager Fred Glendening. Street damage is particularly severe at crossings of the Salt River and the canals, he said. Roads still closed in metropolitan Phoenix yesterday included 56th Street north of Indian School at the canal bridge; 48th Street and the river bottom and Seventh Avenue and the river bottom, and Shea Boulevard not recommended for travel.

PARADISE VALLEY — Private property damage at \$250,000 and public damage at \$20,000. Jack Phillips, town manager, said that subdivisions were still isolated north of Doubletree and on Desert Jewel Drive off Tatum Boulevard. Otherwise most roads were passable in the town, which had been virtually isolated for two days.

"Our emergency procedure could be improved by installing a communications system within the town itself, rather than going through the county sheriff's office," said Phillips.

TEMPE — Private damage at \$25,000 and public damage, \$9,500. McClintock and Scottsdale roads closed at the Salt River bottom.

James Casey, assistant city manager,

Continued on Page 28



Beth Kreckler, 6417 E. Cholla, hoses mud from walk in front of her home. Sea of mud flooded the house, ruining the carpet. Water, shovels and shovels used to remove the mess.

Camp-outs with no electricity now neighborhood life-style

By JANA BOMMERSBACH

There's one habit that even a catastrophe can't change — automatically flicking on the bathroom light.

That habit is still hanging on at Desert Cove in Paradise Valley after two days without electricity because of a storm that damaged or destroyed every house in the area.

Several residents laughed about continuing that useless gesture, even after they had adjusted to cooking on camper stoves, drinking melted ice and going without air conditioning.

Electric clocks stopped in the Desert Cove area at 6:35 p.m. Wednesday as the storm hit. Yesterday, residents whose homes were still habitable were showing a pioneer spirit in coping with their powerless situation.

Camper stoves became the focal point

in several homes as people tried to save food that was spoiling rapidly in their silent refrigerators.

Mrs. Jerry Major of 6133 Desert Cove cooked up 36 pounds of hamburger last night and "invited everyone on the block."

"We're cooking up all the food that won't keep and giving it to anyone who's hungry," she said as she fried up the last of the family's bacon.

They have been able to use much of a half-side of beef that filled their freezer, but "we fed the roasts to the neighbor's Great Dane because there's no way we can cook a roast in a camper stove."

She considers her family's situation lucky.

"There were three freezers full of

Continued on Page 28

Five states are declared disaster area

United Press International

The most extensive floods in U.S. history rampaged through a vast area of the northeast yesterday in the wake of tropical storm Agnes. President Nixon declared five states a disaster area.

At least 79 persons were dead in Agnes' destructive path from Cuba through Florida and the Carolinas to New York. Damage was estimated at more than a billion dollars. More than a quarter of a million persons fled their homes.

In Pennsylvania, the raging Susquehanna River, 10 feet above flood stage, inundated the cities of Wilkes-Barre and Kingston, causing more than 200,000 persons to flee their homes. Floodwater poured through the state capital of Harrisburg. Five thousand national guardsmen were called.

In Virginia, the swollen James River flowed at a rate scientists said would not be equalled for 400 years. In Washington, the mighty Potomac rose toward a record crest.

Even as Nixon ordered the disaster designation for Florida, Maryland, Pennsylvania, New York and Virginia, more rain was forecast for parts of those states and West Virginia.

"We believe the flooding from the Gulf Coast to New York is the most extensive in the country's history," said Robert White, head of the National Oceanic and Atmospheric Administration. "It is certainly the largest flood of record."

President Nixon also ordered all available aid to the District of Columbia, where drinking water was threatened and the Senate adjourned early so sena-

Continued on Page 25

Valley h

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Most obvious is small number of s that occurred in fl do-ravaged areas.

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The story was th where. Winds wrou floodwaters engulf yards and poured People rallied to as er, pitching in with and goodwill to m guish and suffering

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Republic photo by Vince Kermitz

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By JANA BOMMERSBACH

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An editorial

Valley has right to be proud

The Valley is snapping back from one of its worst summer floods. Primary victims are thousands of homeowners and businessmen now trying to add up the as yet incalculable property damage and personal difficulty. Yet there are many redeeming aspects for which the community is thankful.

Most obvious is the amazingly small number of serious injuries that occurred in flood and tornado-ravaged areas.

In addition, there was immediate reaction of thousands of men and women who escaped serious personal losses but who responded selflessly in behalf of less fortunate neighbors. They make us enormously proud of our community.

The story was the same everywhere. Winds wrought havoc and floodwaters engulfed streets and yards and poured into buildings. People rallied to assist one another, pitching in with food, clothing, and goodwill to mitigate the anguish and suffering of those har-

dest hit by flood and tornado damage.

Another significant factor during the 18 hours when rain and flooding was most intense was the almost total absence of crime connected with the storm.

Most importantly, we owe an enormous debt of gratitude to the thousands of police, firemen, military personnel, public utility crews, civil defense workers, and volunteers — including many teen-agers — who worked around the clock repairing and helping those in distress.

They offer a dramatic example of the unselfish comradeship that always has been the hallmark of the American way. They embody what Thomas Carlyle had in mind when he said, "A mystic bond of brotherhood makes all men one." And in times of trial, it is this bond that pulls any community through its worst disaster.

Metropolitan Phoenix can applaud the performance of its citizens.

Inside The Republic

SENDOFF AND WELCOME—President Nixon bids adieu to two House leaders on way to China and goes immediately into conference with Henry Kissinger just returned from Peking. Page 2.

HEAVY AIR STRIKES—Enemy forces continue attacks on South Vietnamese northern defense line despite heaviest U.S. B52 strikes of war. Page 2.

NEW MONEY CRISIS?—Britain lets pound sterling float, raising the spectre of a new world monetary crisis. Page 4.

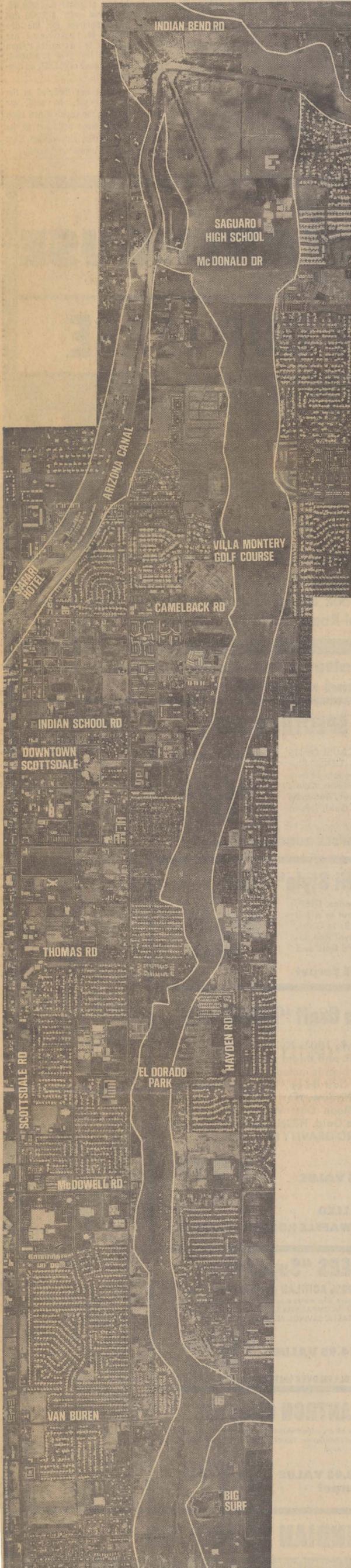
VICTORY CLAIM—Sen. George Mc-

Govern's delegate hunters claim they will have the convention wrapped up 10 days before it convenes in Miami Beach. Page 17.

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Indian Bend Wash

Floodwaters flowing south in Indian Bend Wash toward the Salt River (bottom of photograph) cut a wide swath through Scottsdale in photograph taken during flood's peak Thursday morning from 6,000 feet by Jerry Landis of Landis Aerial Surveys. White lines show flood's extent.



More about

Flood loss in county put at \$46 million

Continued from Page 1

estimated that about 10 homes were hit by the storms, and advised that citizens should limit their water consumption today and tomorrow.

"We'll be on wells because the Salt River Project is not sending water down the canals," he said.

GLENDALE — Public property damage, \$9,500. "This will be for equipment and street repairs," said city manager Stanley Van de Putte. "No people were displaced from their homes."

Mesa reported that storm damage was nominal, and outlying Chandler and Tolleson escaped flooding, except for a few streets. In Litchfield Park, 20 miles east of Phoenix, it didn't even rain.

By yesterday afternoon, all state highways in and out of the Phoenix metropolitan area were open, and Interstates 10 and 17 also had been reopened, with motorists advised to use caution under the Grant Street overpass because of dirt accumulations.

Rescue headquarters in Scottsdale and Phoenix were beginning to get their heads above water, figuratively, by yesterday. The key emergency shelter in north Scottsdale, Cocopah School, "worked out beautifully as an emergency center," said Maj. Robert Keene of the Salvation Army.

On Wednesday and Thursday, he said, about 1,500 meals were served to between 500 and 600 persons. Twenty families spent Thursday night there and "we're trying to relocate them now," he said. A medical team treated about 50 persons for "everything from a scratch to an ear infection," he said.

The Red Cross has converted its office at 1510 E. Flower to a disaster headquarters, according to spokesman Chuck Smith and will be open from 8 a.m. to 5:30 p.m. today and tomorrow. Five staff members arrived yesterday from San Francisco, he said, including a building specialist "who will help families whose homes need repairs."

"We're beginning to get into the rehabilitation phase now," said Smith.

At the Small Business Administration office, John Seeley said the staff still is waiting for Washington to declare natural disasters in all regions affected by the floods and in Eloy and Maricopa, which were struck by tornadoes Wednesday.

These decisions are usually made "fairly rapidly," he said, either by the SBA director or the President.

Once disaster is declared, he said, "we'll be able to supply low-cost, long-term loans to businesses, homeowners



Republic photo by Lud Keaton

Leeroy Whitaker family, 3733 E. Elm, moves household items from their home to front yard. The house

was inundated for the third time in four years — this time by water that tore down a block fence.

and renters who suffered uninsured damage."

In the case of insured damage, he said, the SBA can advance funds against the insurance proceeds for the homeowner or tenant.

"We don't have any damage estimates in terms of specific dollars," he said. "I've been through a few of these situations and it takes a while to get a handle on the damage details."

It was too early yesterday to assess storm damage to agricultural crops.

"Reports are slowly filtering into this office," said Gerald Lindsey, county executive director of Agricultural Stabilization and Conservation Service.

"We've heard there was hail damage to cotton and grain crops in the Chandler, Queen Creek and Laveen areas," he said. The current tender stage of cotton, he said, makes it particularly

vulnerable to being clipped off at the stem by hail.

"The farmer must decide whether to take his insurance and plow the cotton under, or try to salvage the crop," he said. "If he decides to let it regrow, he'll have a late harvest."

In the urban areas, utility companies expected to have power restored to most stricken neighborhoods by this morning and homeowners were beginning to repair and rebuild.

The construction industry was hit by its own flood yesterday — a deluge of telephone calls from homeowners.

"We've gotten more than 1,000 calls in the last two days," said a roofing company spokesman. "Today our crews were driving through a Hallcraft subdivision at 62nd Street and Shea, just nailing on heavy construction paper for makeshift repairs."

Several roofing companies estimated

that many homeowners will have to wait at least a month and possibly longer to have a solid roof over their heads, because of the heavy demand.

"In some cases it's because we have to wait for the house to be re-built," said one. "We found at least one roof in Scottsdale in perfect condition, but it just didn't have a house under it anymore."

The Southern Arizona Bank announced yesterday that it was offering home improvement loans at a special preferred rate to storm victims.

"We are in the Phoenix and Scottsdale communities," said bank president James S. Douglas, "and we realize that unexpected expenses such as these can work a hardship."

Douglas said that the special loan rates would be available for rebuilding or remodeling at the SAB banks "until such time as conditions indicate that all of the damage has been repaired."

Family that lost house in flood is swamped with offers of help

The Ruel A. Sports family has lost its home but it is not homeless.

The flood victims have been offered aid from neighbors, friends, and a stranger who thought it was a "shame to see people out on the street."

The Sports home at 5001 N. 38th Place was flooded with as much as 3 feet of water Thursday, when the Arizona Canal broke. Anything that wasn't tacked to the wall was destroyed.

By Thursday night, a neighboring businessman offered them a free apartment, and by yesterday morning, a stranger offered a four-bedroom house. Friends on their street provided towels and soap. Mrs. Sports was able to salvage a few linens.

The five-member family has decided to stay in a two-bedroom apartment in the Oakwood Garden complex just two blocks from their mud-splattered home.

The house offer came from Don Gaertner, 8348 N. 57th Drive in Glendale, a retired Trans World Airlines pilot who said an empty house he owns in the Maryvale area was available free to the family "until they get their own house set up."

"We sure appreciated the offer," Sports said, "but the house is so far away and the apartment is right down the street. I told him we might still take him up on the offer if the apartment doesn't work out."

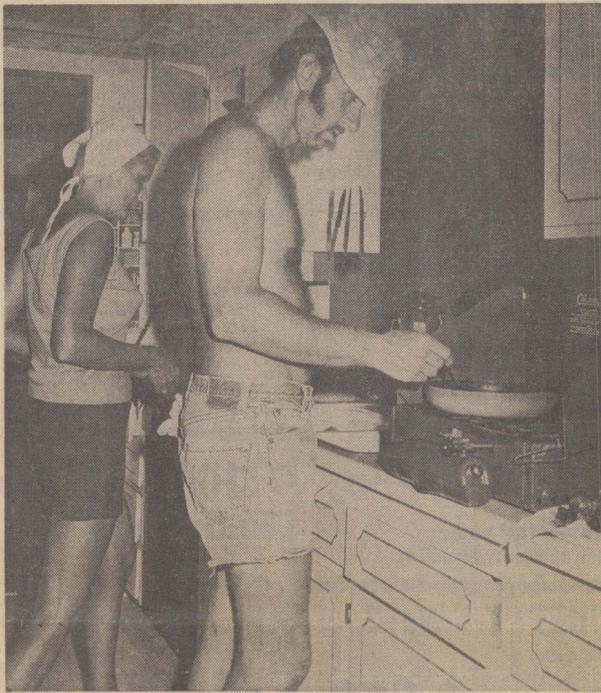
The family is among 275 flood and/or tornado victims living temporarily in 100 apartments in the complex at 5115 N. 40th St.

Yesterday the family was in the midst of reclaiming the home damaged by nature's fury. Mrs. Sports, her 16-year-old daughter, Rhonda, and a friend, Mrs. Donna Frisby, were in the kitchen trying to salvage food.

Her husband and neighbors were using a suction pump to empty water from the living room into the street.

Sports, director of the customs port of entry in Phoenix, said his main concern is whether the damage will be covered by insurance. He's not sure that a canal break is the same thing as a flood, but he has no flood insurance.

Rhonda's dog was concerned about the situation too. The only dry spot "Gypsy" could find was the top of the kitchen counter.



Republic photos by Earl McCartney

Mr. and Mrs. Jerry Major "get along" with camp stove

More about

Camp-outs new life-style

Continued from Page 1

beef on this street, and all that meat is spoiling."

Mrs. Major kept a jolly air about her, even though several windows were out in her house and the ceiling was weakened to the point of collapsing. But going without electricity means no air conditioning, and her 12-year-old daughter, Sandy, was complaining, "It's so hot."

"At least we've been so tired at night that the heat doesn't make any difference," Mrs. Major added. "We just conk out."

"Look at our neat lamp," Sandy chimed in as she held up a gas lantern that "we carry around the house at night for light."

The family's temporary refrigerator is an ice chest filled with commercially produced ice, which first cools soft drinks and then becomes the water supply.

"We let the ice melt and drink it," rather than boiling water from the tap to drink, Mrs. Major explained.

Across the street, Aaron Hecht and his

family were dealing with the situation by "camping out." A brick fireplace on the backyard patio was filled with pots and pans, rather than hamburgers or franks.

They, too, were complaining about the heat, and couldn't get any relief from their usually inviting pool, which is filled with shingles, boards and other debris dumped by the high winds that hit the area Wednesday night and Thursday morning.

Another alternative to the plight was being used by Mr. and Mrs. Dick Robinson, who were eating meals at the emergency relief center at Cocopah School.

"I sure hope they fix the electricity soon," she declared.

So do workers from Arizona Public Service Co., who have had to replace both underground and overhead cables.

Officials expect power to be restored in the area by the end of this afternoon.

In the meantime, several residents on Desert Cove who weren't wiped out said they were "getting along OK."

But, as several confided, "every time I go into that bathroom I still flick on the light."



Mrs. Ruel Sports, left, and friend clean flooded kitchen

Desert Tranquility Turns To Violence At Newcomers' Home

By DOROTHY GOEBEL

Mr. and Mrs. Ruel A. Sports yesterday learned about the violent and destructive force of the desert they had learned to love for its beauty and tranquility.

A four-foot high wall of water poured from the Arizona Canal northeast of their home at Camelback and 38th Place. It ripped through a seven-foot high concrete block wall, smashed an arcadia glass door in their master bedroom and poured through their home.

It left destruction in its wake.

The day began normally for the family. It was unusual only in that it was raining. They hadn't seen much rain since they left California a year ago.

While Mrs. Sports and her daughter Rhonda, 16, prepared breakfast, Mr. Sports and sons Bert, 19, and Ruel Jr., 10, went out the back to nail shut a wooden gate in their block fence. A little water was trickling through from the vacant lot to the east. They decided a few nails would keep the gate shut and the water out.

"Suddenly, it was as though the block fence exploded," explained Mr. Sports. "A wall of water came pouring through, knocking us off our feet and tumbling us around."

"My first thought was of the children . . . whether they were all right . . . whether I could reach them. Somehow we all three managed to scramble to safety."

He paused, shook his head as though it were impossible to comprehend the instant tragedy.

"I was the only one hurt." He pointed to a gash on his leg, red with Merthiolate. "It's just a small cut. We were very lucky. Thank God."

Inside their home Mrs. Sports watched the scene from the kitchen window. Horrified, she could do nothing.

"It was so frustrating to see the water coming and not be able to do anything," she said. "I screamed to them to get away. I screamed but they couldn't hear me."

She and her daughter got outside and stood on a planter box under the eaves until firemen helped them to safety.

Inside their home showed the destruction brought by the water. A huge refrigerator-freezer was upended as though it were a toy. The piano was toppled. Drawers, wrenched from their protective chests, floated in crazy patterns around the rooms. Upholstered furniture lay topsy-turvy in the living room.

Mrs. Sports, her blue shorts spattered with red-brown mud, sloshed aimlessly through the sludge of her home searching for missing personal items . . . her husband's billfold; a set of housekeys. A brown stain about four-feet up the walls showed where water had been earlier in the day.

"Everything is ruined," she sighed. "The only things that came through

were the pictures on the walls."

Ruel Sports was transferred to Phoenix July 20 to be Customs Port Director at Sky Harbor Airport. He and his family admitted to immediately loving the ranch style home in northeast Phoenix.

Flooding was something he never thought about, he said.

"I knew there were desert washes, but I never worried about flooding in the city. I thought the home sat low for irrigation purposes."

Two months after they moved in, the family learned the home had flooded twice previously. Immediately after each the owners sold and moved.

Would the Sports stay? "What can we do," sighed Mrs. Sports. "My husband would never sell without telling people of the danger. And then who would buy it?"



Ruel Sports sloshes through muddy water in what was until yesterday the neat, walled patio of his northeast Phoenix home. A wall of water toppled block fence and poured into yard and home. The diving board and steps show where the pool was before flood waters came in.

Mr. and Mrs. Sports with their daughter, Rhonda, set out a picnic lunch on the hood of their cars. Neighbors brought food and provided a place for the family to stay.

THE ARIZONA REPUBLIC

Page 6

Phoenix, Sunday, June 25, 1972

Where The Spirit Of The Lord Is, There is Liberty—II Corinthians 3:17

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EUGENE C. PULLIAM, Publisher

What about a 100-year flood?

When Gov. Jack Williams was mayor of Phoenix 15 years ago, he was most concerned that unless the city adopted a sound flood control program it would one day be swept away by a gigantic flood that, history shows, can be expected once in 100 years.

But despite several close calls with bad weather and flooding, Valley citizens to date have shown great reluctance to heed that sound advice.

In fact, a comprehensive \$112 million county-wide flood control program devised as the result of five years of planning by the U.S. Army Corps of Engineers and the subject of a bond issue election in March 1966 was defeated by voters, who balked at the prospect of paying their share of \$22 million for a program that many thought would never do them any good.

That flood control plan was all-encompassing, embracing some 38 separate dikes, dams, conduits, levees, seepage pits, and so on. They were all needed, and still are, to prevent the recurring damage of floods, such as those which hit Valley communities in 1970 and again last week.

But the flood control plan was primarily devised to afford protection from the 100-year flood that, as Rapid City, S.D., residents can tell you, does untold millions of dollars in damage. It was the kind of plan that Governor Williams had in mind in the mid-1950s to prevent once-in-a-lifetime floods from sweeping away all homes in Phoenix and surrounding communities.

Despite the flooding and proper-

ty damage in some areas of the county last week, it is still doubtful that residents throughout the county would approve an expensive, all-encompassing project of this kind. It was this fact that prompted the state legislature, with the advice and assistance of Maricopa County Flood Control District chief engineer Col. John Lowry, to pass legislation allowing communities to establish their own zones within the district for the purpose of flood control.

Cities like Scottsdale that, because of last week's storm, might now feel an urgent need to prevent future flooding, can petition the county board of supervisors to establish a zone with specific boundaries. After the zone is established, the people of that community would then, with the assistance of county flood control officials, plan their own flood control measures and raise funds for that project alone.

The Arizona law is patterned after one that has worked well in California. San Bernardino County, with 20,000 square miles the largest in the nation, is now divided into six flood control zones, each responsible for devising and financing its own flood control programs.

No community in Arizona has yet taken advantage of this new zoning law. But following last week's experience in northeast Phoenix, Scottsdale, and Paradise Valley, as well as other parts of the county, many communities would be wise to take steps now to prevent similar flood damage in the future.

Scottsdale Daily Progress

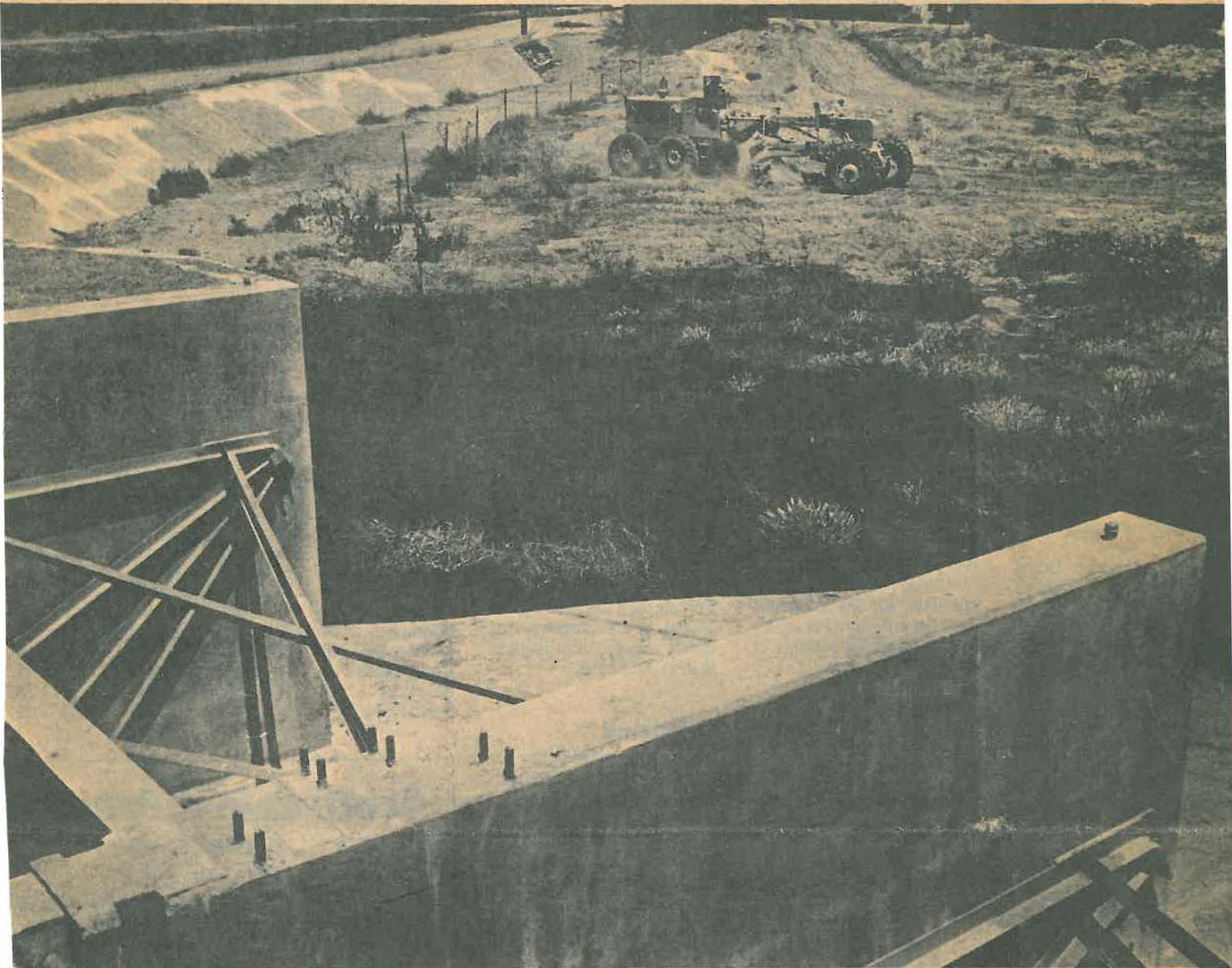
YOUR AWARD WINNING HOMETOWN NEWSPAPER

Flood Dates

Vol. XII, No. 105

SCOTTSDALE, ARIZONA, SATURDAY, JUNE 17, 1972

35c Per Week — 10c Per Copy



Progress Photo

CITY WORKERS use a scraper to clear debris and excess dirt from Indian Bend Wash south of the floodgates installed at Arizona Canal. Salt River Project officials will not let operating

equipment be installed in the \$70,000 gates until the channel is cleared sufficiently to handle flow of water if and when the gates are opened.

Floodgates don't work — machinery needed

The floodgates at Arizona Canal and Indian Bend Wash were inoperable today because machinery necessary to open them has not been installed and probably will not be before this summer's rainy season.

While the \$70,000 gates were being constructed, flood experts determined that the channel downstream had a limited capacity and could not carry the full amount of water which would be released if the gates were opened when the canal was ready to overflow.

City crews have been working, after making arrangements with downstream property owners, to widen the channel.

Officials of the Salt River Project decided not to permit installation of operating equipment until the downstream channel had been widened.

Meanwhile, city officials are coordinating a study with the U.S. Corps of Engineers in trying to make a determination just how

wide and deep the channel must be to handle the flow released by the floodgates — if and when the operating equipment is installed.

Salt River Project engineers, city officials said, are not satisfied with the limited improvements already made in the wash. They said they do not want to risk flooding homes south of the canal which had happened when rain swelled waters in the canal until the force and weight of it broke the canal banks.

Public Works Director Marc Stragier said the city is trying to convince property owners it would be to their advantage for the city to excavate the channel and to furnish materials in exchange for the necessary right of way for the wash channel.

Stragier said that if all of the property owners accept the proposed trades the city will complete the excavations immediately so that the operating equipment on the gates can be installed.

MARICOPA COUNTY INFORMATION OFFICE
ROOM 604
111 SOUTH THIRD AVENUE
PHOENIX, ARIZONA 85003

GAZETTE 6/13/72 P. 8

Flood Peril Cited For Wickenburg

As a guide to future land use in the Hassayampa River flood plain through Wickenburg, the U.S. Corps of Engineers has given Maricopa County supervisors a study showing that downtown Wickenburg could some day be buried under 4½ feet of water.

Col. Harry McK. Roper, district engineer for the Los Angeles engineers office, yesterday noted that lands, heretofore farmed, are increasingly encroached upon by residential and other developers. He advised the Board of Supervisors to impose controls on areas upstream from Wickenburg.

In September 1970, the Hassayampa flooded to the extent

that the roadside park on U.S. 60 downstream from Wickenburg was submerged by 4½ feet of water.

According to the report, a flood possibly could crest at 11 feet at the roadside park.

The entire county constitutes a single flood control district. A flood-control bond issue was voted down a few years ago.

Since then the county, spearheaded by Col. John C. Lowry of the Maricopa County Flood Control District, has sought legislation permitting the county to be divided into flood zones so that persons in areas most likely to be affected by floods could vote in and pay for their own flood-control projects.

MARICOPA COUNTY INFORMATION OFFICE
ROOM 604
111 SOUTH THIRD AVENUE
PHOENIX, ARIZONA 85003

Flood insurance urged here

SCOTTSDALE PROGRESS 6/14/72 P. 7

The recent flood in Rapid City, S.D., should spur Scottsdale residents to get flood insurance before the summer rains arrive, city officials said today.

Public Works Director Marc Stragier urged residents to obtain subsidized flood insurance if they reside in flood-prone areas.

"Our summer thundershower season, the hazardous season for flooding, is right around the corner," he said. "The summer rains are starting and they have been producing worse effects every year."

Stragier said he recently met with Walt Raketich and Warren Viets of

flood plain management section of the U.S. Corps of Engineers, to determine the rate schedule for flood insurance.

He said they decided that it would be of great benefit for persons owning property along the north side of the Arizona Canal and property adjacent to Indian Bend Wash to get the government-subsidized insurance which can be purchased from most Scottsdale insurance agents.

He said the government officials are completing a study which will be the basis for setting insurance rates.

"The current system of one rate for all homes at a substantial subsidy

will be changed and various rates will be established based on the level of hazard," Stragier said.

"Of the thousands of homes damaged by South Dakota flooding, we have heard that fewer than 50 had been protected by flood insurance which was available there on the same basis as in Scottsdale," he added.

He said that city crews are preparing for summer flooding by clearing drainways, repairing flood control equipment, gathering and filling sandbags, reviewing flood assignments and making general plans to meet most emergencies.

Stragier said that if he resided within 500 feet of the Arizona Canal Bank, "I'd sure buy insurance."

He said because the area that contributes runoff to the north canal bank is almost fully developed there is a much more immediate hazard there than along Indian Bend Wash.

He said that the preliminary study also indicates that most homes along the wash east of 76th Street, between Thomas and Indian School Roads, also are in a hazardous flood-prone area. He added that homes on 82nd Street, between Vista Drive and Jackrabbit Road, also are endangered during summer rains.

Funds for flood control discussed

Public works directors from cities throughout the Valley agreed today that action should be taken to expedite the construction of flood control projects throughout Maricopa County.

During a Monday meeting of the Maricopa Association of Governments at City Hall in Phoenix the officials discussed ways of financing the capital improvements including a vote on a bond issue and an increase in the Maricopa County Flood District tax rate.

They discussed recent state legislation that will permit the subdivision of the county-wide flood control district into separate zones for specific watersheds which would allow a 15 cents per \$100 increase (from the current five cents per \$100) in the county flood control district rate to finance the improvements needed in Scottsdale and elsewhere.

Scottsdale Public Works Director Marc Stragier said he agreed with officials from Phoenix, Glendale, Tempe, Mesa, and Peoria, that flood control projects should be expedited in order to avert such catastrophes as those that happened here June 22 during a heavy rainstorm.

Sitting in on the conference was Col. John Lowry, manager of the Maricopa County Flood Control District, Don Womack of Salt River Project and Maj. Don Chapman of the U.S. Army Corps of Engineers.

They agreed that if the county-wide flood control tax rate was raised to 20 cents per \$100 valuation the increase would bring in more than \$2 million each year with the funds used where they are most urgently needed.

The city public works directors agreed that each would prepare a list of projects to be included in any future district plans to help create a capital improvement plan with top priorities listed as to their degree of urgency.

After the meeting Stragier estimated it would take at least \$4 million, in addition to more than \$1 million already expended, to improve Indian Bend Wash to the point where flooding there would cease to be a danger to Scottsdale residents.

The additional \$4 million would be used to acquire rights-of-way, relocate utilities, build necessary bridges or culverts, and to make other necessary improvements demanded by the U.S. Army Corps of Engineers who would then provide funds (about \$3 million) for construction of other improvements needed in the wash.

Although Stragier was reluctant to discuss the possibility of a vote on a bond issue for Scottsdale, it is known that he has discussed such a method of raising such funds with City Council members and other civic leaders interested in flood control for the city.

"The inexpensive part has been done," Stragier said. "We will have to act fast and will have to find additional funds to get the flood control and recreation job done in time to cooperate with the corps of engineers."

Less than two years ago, voters here turned down a proposal to increase the city sales tax one cent in order to gain additional funds for capital improvements in the Indian Bend Wash. The proposal was defeated almost three-to-one.

Hearing is faced Sept. 8 on Wash building permits

A hearing on an order to show cause why the City of Scottsdale should not be enjoined from issuing building permits to Kaiser Aetna for construction in Indian Bend Wash will be heard by Superior Court Judge Marilyn Riddel at 1:30 p.m. on Sept. 8.

See photo Page 2.

Guy Stillman has filed a \$103,500 damage suit against Kaiser Aetna claiming that when the firm built a golf course on McCormick Ranch property that construction altered the flow of the wash causing it to flood his 10-acre homesite at 7303 N. Scottsdale Rd.

The golf course lies north and west of Stillman's

property, west of Scottsdale Road.

Stillman, through his attorney, Harold Scoville, asks \$100,000 in punitive damages and \$3,500 in actual damages in the suit filed Monday.

Charles R. Hoover, Kaiser Aetna attorney, claims that the firm has not harmed anyone and that Kaiser Aetna was among many who suffered damage in recent floods.

The City of Scottsdale was not included in the damage section of the suit but was named as a co-defendant in an effort to enjoin it from issuing building permits for construction on 19 acres, north of Stillman's property, which Stillman contends is in the flood plain of the wash.

The suit contends that

Kaiser Aetna was warned and advised that the construction would divert floodwaters onto Stillman's property. Stillman said that Kaiser Aetna disregarded both written and verbal messages before the flooding during a June 22 rainstorm.

107°

Sunny and hot this afternoon with the high near 108. Chance of a thunderstorm tonight with the low near 80. Partly cloudy Wednesday with a chance of an evening thundershower. The high will be near 105. Rainfall probability 10 per cent today, 20 per cent tonight and 10 per cent Wednesday.

Vol. XII, No. 124

YOUR AWARD WINNING HOMETOWN NEWSPAPER
SCOTTSDALE, ARIZONA. TUESDAY, JULY 11, 1972 35c Per Week — 10c Per Copy

Scottsdale Daily Progress

FLOOD CONTROL DIST. OF
MARICOPA COUNTY
3325 W. DURANGO
PHOENIX, ARIZONA 85009

Scottsdale *Daily* Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

Vol. XII, No. 123

SCOTTSDALE, ARIZONA, MONDAY, JULY 10, 1972

35c Per Week — 10c Per Copy

Day in court

Suit says Kaiser Aetna diverted flood waters

Guy Stillman today filed suit against Kaiser Aetna Corp. asking \$103,500 damages and that the firm be enjoined from constructing impediments to the natural flow of Indian Bend Wash.

Stillman, who maintains a homesite of 10 acres surrounded by the McCormick Ranch, is asking \$3,500 in actual damages and \$100,000 in punitive or exemplary damages.

The suit, filed in superior court by Attorney Harold R. Scoville, claims Kaiser Aetna changed the contour and elevation of land in Indian Bend Wash in such a way to cause waters from the wash to flood his property on Scottsdale Road north of Indian Bend Road.

In the suit, Stillman claims that Kaiser Aetna officials went ahead with construction of a golf course even though Stillman had supplied them with engineering studies which indicated such construction would divert wash waters onto his property.

Stillman claims in the suit that if Kaiser Aetna is allowed to continue construction in the wash it will cost him at least \$48,000

to construct walls to protect his property against flood waters from the wash.

Named as co-defendants in the suit were the City of Scottsdale, Kaiser Aluminum Chemical Corporation and Aetna Life and Casualty Co.

Stillman asked that officials of the City of Scottsdale be ordered to show cause why city building officials should not be enjoined and restrained from issuing building permits to Kaiser Aetna for construction in the wash.

Stillman claims that Kaiser Aetna has reclaimed 19 acres from the wash and that property is now listed for sale at \$60,000 an acre. He claims that a "resulting island" of the 19 acres caused a blockage in the wash which caused waters to course south down Scottsdale Road onto his property during recent storms.

In 1968 a superior court awarded Stillman \$14,860 damages when he filed suit against Maricopa County claiming the county had changed the elevation of Scottsdale Road, as it crossed the wash, diverting flood waters onto his land. The suit had been filed in 1961.

Scottsdale 7-12-72

'Runaround' claimed on flood plan inquiries

By JACK KARIE
Progress Staff Writer

Residents in the area of 64th and 66th Streets and Shea Boulevard were incensed today over what they termed an "absolute runaround" they received when they asked questions about future plans for flood control during a meeting at city hall.

Acting as spokesman for the group was Andy Garritson, a semi-retired construction and mining engineer whose home was badly flooded June 22 and 23.

"We did not get a single answer to any of our questions as to what the city had planned to prevent flooding in the future," Garritson said. "They could not tell us what they plan to stop developments which stop the natural flow of water in washes near our homes."

Garritson said none of the others present came away with any feelings that the city was willing to take action which would prevent them from being flooded in future rainstorms.

City Councilman Herb Drinkwater had called the meeting which was attended by Public Works Director Marc Stragier, Assistant City Manager Paul Davis and other city staffers.

Garritson said that Davis had promised to bring city engineers to his home at 6529

E. Shea at 10 a.m. today but "he has not shown up here at noon and didn't even bother to telephone and tell me he would not be here."

Drinkwater said that Davis and the engineers were, in fact, in the area this morning but did not contact Garritson.

The city councilman said another meeting has been set for 6:30 p.m., July 31 when he hopes that city staffers will have more answers for the residents.

Agreeing with Garritson about the city hall runaround was C.L. Markoff of 6565 E. Shea.

Markoff said Stragier and the other officials "hemmed

and hawed" and failed to give any straight answers to any of the questions asked at the meeting.

"We got absolutely no answers about our concerns of what the city is going to do about alleviating the flooding situation," Markoff said. "They said they were going to study the situation but were extremely vague in what that study was all about."

Stragier said that city officials explained the storm exceeded any reasonable expectation and that the development of the Central Arizona Project aqueduct, to the north, probably would provide protection for their homes in the future.

Flood Insurance Program Expanded To Broader Range

The National Flood Insurance Program, which for two years now has provided many owners of dwellings and small businesses protection against financial loss by flood or mudslide, has been expanded, according to the Insurance Information Institute, and now offers coverage to a broader range of property owners.

Not only that, the Institute pointed out, the subsidized rates

recently were slashed by 40 per cent.

A joint program of the private insurance business and the Federal Insurance Administration of the U.S. Department of Housing and Urban development, the program originally offered flood and mudslide coverages at subsidized rates on one-to four-family dwellings and small businesses.

Under its recent expansion, the program now provides coverages on all apartment buildings; business structures; agricultural, religious and non-profit buildings, and those structures owned by state or local government agencies.

The program is available only in communities that have been declared eligible.

Nine jurisdictions in Arizona have qualified for the program. They are Wilcox, Casa Grande,

Huachuca City, Kingman, Phoenix, Prescott, Scottsdale, and the unincorporated areas of Maricopa County and Santa Cruz County.

Communities can become eligible for flood insurance by applying to HUD and by demonstrating that they have in effect land use and control measure to reduce future flood damage.

Basic coverages of up to \$17,500 for a single-family dwelling and up to \$5,000 for dwelling contents are available at an average cost of around \$60 per year.

In eligible communities, the coverages may be purchased from any licensed insurance agent or broker.

Scottsdale Progress
7/15/72

Flood control topic

The Mohave Citizens Association will host a meeting at 7:30 p.m. Wednesday in Mohave School Cafetorium in an attempt to coordinate efforts of various organizations in flood control projects throughout Maricopa County.

Mrs. Carol Giglio said the meeting will be held in attempts to learn how to coordinate various homeowner groups in promotion of flood control projects in the Scottsdale area and elsewhere.

New Year Begins

New NACo Officers



Gladys Noon Spellman
Prince George's County, Md.
President



Gilbert M. Barrett
Dougherty County, Ga.
1st Vice President



Stanley M. Smoot
Davis County, Utah
2d Vice President



Vance A. Webb
Kern County, Calif.
3d Vice President



Daniel C. Lynch
Douglas County, Neb.
4th Vice President

Bernie Hillenbrand's column, *American Counties Today*, will resume next week.

COUNTY NEWS

NACo NEWS & VIEWS

Our Prayer . . . The Wisdom to Know and the Courage to Defend the Public Interest

Vol. 4 No. 27 National Association of Counties, Washington, D.C. July 14, 1972

New County Image Is Goal

2500 At Convention

The 1972 National County Convention lived up to its advance billing to provide something of interest for everyone in county government, and about 2500 county officials, wives, children and special guests found plenty to keep them busy during three days in Washington.

By the time NACo's 37th annual conference ended, delegates and their families had a taste of everything from the Presidential election campaigns to the latest in women's fashions, all from a smorgasbord of speeches, exhibits, workshops, affiliate meetings and social events arranged especially for the Association's members.

Three candidates for the Democratic Presidential nomination addressed the Convention. Sens. Henry Jackson, Edmund Muskie and Hubert Humphrey voiced their views on issues of concern to counties, and Alabama Sen. James Allen did the same on behalf of Gov. George Wallace.

Vice President Spiro T. Agnew delivered the Republican Administration's expression of interest in county issues in a banquet address

(continued on page 7)

Board Adopts Program

NACo's 1972-1973 "New Year" began with a pledge by the Association's new officers, directors and staff to undertake a renewed effort to improve the image of county government.

President Gladys Noon Spellman and Immediate Past President William J. Conner both voiced the theme: "Counties are big enough to cope and small enough to care."

The plan for the new year was outlined in a "work program" prepared by the NACo staff, endorsed by the Committee on the Future, and approved by the Board of Directors.

The new image-building program will contain a number of elements, including:

- Designation of a national "Know Your County" week, highlighted by official proclamations issued on all levels of government, with appropriate activities by counties.
- Creation of a Congressional Action Team comprised of key county officials in each state who can quickly reach their Senators and Congressmen to express county views on major issues.

- Renewal of the Spring Legislative

(continued on page 7)

Flood Assistance For Counties

Residents who suffered a flood loss in the five eastern States of Florida, New York, Pennsylvania, Maryland and Virginia may seek a wide range of federal aids following President Nixon's major disaster declarations.

Residents in the affected counties of the five States will be able to participate in disaster recovery programs administered by more than 20 federal agencies and sub-agencies, under provision of the Federal Disaster Relief Act of 1970 (Public Law 91-606.)

Kinds of help available under the Disaster Relief Act of 1970 include:

- Temporary housing for displaced disaster victims with up to 12 months' free rental;
- Temporary mortgage or rental payments (up to 1 year) for persons faced with loss of their residences because of disaster-caused financial hardship;
- Food coupons or surplus commodities to needy victims;
- Unemployment compensation and reemployment assistance to disaster victims who lose their jobs because of the disaster;

• Legal services to low-income individuals or families unable to secure such services adequate to meet their needs;

• The removal of debris and wreckage on publicly and privately owned lands and waters if determined to be in the public interest;

• Liberalized loans by the Farmers Home Administration and the Small Business Administration to home owners, farmers and business firms;

• Special tax service by the Internal Revenue Service for disaster-created losses suffered by property owners;

• Inoculations by the Public Health Service against such waterborne diseases as typhoid and typhus.

In addition to the various aids to individuals, federal agencies are authorized to make a number of resources available to state and local governments including:

- Financial assistance for repairs to streets, roads and bridges damaged by the floods, as well as to other public property such as drainage, sewer and water systems;

• Reimbursement of up to 50 percent of eligible costs can be made for certain public facilities that were damaged by the disaster while under construction;

• Grants to local governments which have suffered a substantial loss of property tax revenue as the result of the flood. These grants may be made for the 1972 tax year and for each of the following two years.

Federal agencies are authorized to:

- Make federal equipment, supplies, facilities, personnel and other resources (other than the extension of credit) available to state and local governments;
- Distribute medicine, food, and other consumable supplies or emergency assistance, through the American National Red Cross, the Salvation Army, the Mennonite Disaster Service, Seventh-Day Adventists, and other relief and disaster assistance organizations;
- Donate or lend surplus federal equipment and supplies.

A detailed roundup of federal flood assistance programs for counties is on page 2.

Convention Spe



Spiro T. Agnew



Hubert Humphrey



Edmund Muskie



Henry Jackson



Eugene McCarthy

INSIDE COUNTY NEWS

CONVENTION REPORT

A special report on the 1972 National County Convention, including the text of resolutions adopted, and photographs, begins on page 5.

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MR JOHN C LOWRY
FLOOD CONTROL ENGR
3325 W DURANGO

Scottsdale Progress July 3-72

County blamed for flood losses

Fourth District Congressional Candidate Bob Reveles said today that huge flood losses in the Phoenix metropolitan area might have been prevented by "sincere, enthusiastic" efforts on the part of Maricopa County officials five years ago.

A county-wide bond issue which would have provided enough matching funds for flood control projects was turned down by the voters in 1966, Reveles said.

Reveles, a Democrat who has had 16 years experience in Washington as a congressional staffer, said:

"It is reasonable to assume that, had county officials been enthusiastic in their support of flood control protection when the bond issue came up, we would not have these enormous flood losses today."

Because of the failure of the bond issue, Reveles said, the city of Scottsdale was forced to seek an alternative plan. That project, known as the green belt plan, is still far from completion, he noted.

"I understand that it will take at least three years and possibly six before solid flood protection is available in Scottsdale," Reveles said.

Public works officials in Scottsdale have indicated that flood damages could have been pared by as much as 80 per cent with adequate flood protection equipment, he added.

Advice To Flood Victims

Maricopa County Assessor Kenneth R. Kunes, has requested that any property owner who suffered major destruction of his home or commercial building in last week's flooding contact the Assessor's Office at the earliest possible date.

Kunes stated that the Assessor's Office intends to aid these victims of the flood as far as legally possible in the adjustment of property assessments.

"We know" Kunes said "many homes and other buildings were totally destroyed. We know that a great number of additional buildings received substantial enough damage to consider them worthless. I have, this morning, directed a crew of our field personnel to work exclusively on locating these properties and correcting our property tax roll. We have also, this morning, ordered aerial photographs of the flood damaged areas to assist us in this job. I am sure we will be able to locate all of the damaged or destroyed property."

"However, if the people involved will call our office, the job can be done much more quickly. This is the same procedure which was followed during the wind storm which occurred the latter part of 1971. The number to call is 262-3406.

Flood Losses ^{6/28/72} Are Deductible ^{TEMPE DAILY}

The recent wind and rain storms within Arizona have resulted in substantial damage to grounds, dwellings, automobiles, boats, furniture and other properties used for personal and business purposes. In many instances insurance coverage is nominal or totally lacking, resulting in losses which must be borne by the property owner.

Kendall, Acting District Director of the local office of the Internal Revenue Service, announced that losses sustained from casualties of this nature may be deductible on your Federal Income Tax Return.

To be able to sustain the claim for a casualty loss, the property owner must be able to prove that a loss was sustained and the actual amount of the loss resulting from the casualty. Mr. Kendall emphasized the necessity of procuring information at the present time while the effects of the loss are evident to substantiate the claims for deductions. Photographs of property damage together with competent appraisals by reliable appraisers substantiating changes in value are recommended.

The Internal Revenue Service publishes a pamphlet, "Tax Information on Disasters, Casualty Losses, and Thefts,"

Publication 547, as a public information service to taxpayers. This pamphlet illustrates the basis for computing losses and provides general information respecting required documentation and presentation of claimed deductions.

\$97,000 Loss For Big Surf

Damage to Tempe properties during the storms of last week have been checked by city representatives and, with one big loss reported, the figure will be substantially higher than estimated earlier.

Jim Casey, acting city manager, said representatives surveyed the area and found Big Surf reported damages amounting to \$97,000. The damage, caused by the flooding Indian Bend Wash, was mainly to the improved parking lot, lagoon, diking and fences. Elsewhere, Casey added, the loss to private property was somewhere between \$4,000 and \$5,000.

Some streets were damaged slightly, with the Princess drive crossing of the wash the principal problem.

Buckeye APS Crews Aid Phoenix After Storm

BUCKEYE VALLEY NEWS - June 29, 1972 - Page 3

A. P. S. Company crews from Buckeye aided in the repair work and restoration of vital electric services following the tornado, heavy rains and floods which smashed homes and inundated parts of the Salt River Valley last week. Bill Flower, A. P. S.'s Buckeye area manager said

two crews from Buckeye were rushed to the Phoenix area to assist more than 500 linemen and other operations people from the firm's Metropolitan Phoenix Division during the emergency which the company termed "the most severe damage A. P. S. ever experienced". The Buckeye crews were

under the supervision of Bill Rhodes and Tom Taylor.

In addition to the Buckeye crews, A. P. S. also rushed extra crews to the Phoenix area from Goodyear, Flagstaff, Williams, Prescott, Holbrook, Winslow, Yuma, Cottonwood and Sedona to help bring service back. Also, A. P. S. borrowed crews from the Salt River project to supplement its own work force in the emergency.

A. P. S. reported that it handled more than 14,000 calls between Wednesday night and Saturday morning as crews and other operations and customer service personnel worked around the clock.

Crews had to repair major transmission and distribution lines before they could turn their efforts to individual problems.

Severely damaged underground systems in some parts of the valley required extensive repair work.

Flower said the dispatching of Buckeye crews to the Phoenix area during the emergency is expected to cause a brief delay in A. P. S.'s normal construction and service schedule in the Buckeye area.



STRENGTH OF WATER — Just how destructive water on the loose, and in large quantities, can be was horribly and graphically proved in the South Dakota floods recently. Here in North Tempe, by comparison a small amount of floodwater, unbridled water from rain runoff accompanied

by debris ripped away the chain-link fence in foreground and left twisted metal of the poles which are cemented in the ground. Site is yard of Murphy Construction Company, 1600 East Princess drive.

Ken Rouzan photo

EMPE (Ariz.) DAILY NEWS, Wednesday, June 28, 1972



LANDFILL IS WATERLADEN — Last week's heavy rainfall caused many repercussions and effects on public facilities. Among these was City of Tempe Landfill which runoff converted into a pond. The area, commonly referred

to as the "dustbowl" filled with water on Saturday morning forming a lake 300 yards in diameter. Location is East First street and the riverbottom, east of Hayden road.

Tony Lesce phot

Mockingbird water still must be boiled

Scottsdale and Paradise Valley customers of Mockingbird Water Co. were advised today to continue boiling their water or to get it from other sources by officials of the state health department.

The officials said that testing is continuing but that water from the system has not been considered safe for

human consumption.

Dr. Stanford F. Farnsworth, assistant county manager for health services, said that chlorination and subsequent testing will be continued over the weekend.

The officials reported that one well in the system has been shut down and that water from other wells is still considered to be unsafe.

City storm loss put at \$10 million; error cited

Official reports to the state director of state emergency services today disclosed the damage from last week's storms in Scottsdale totalled \$10 million and not \$40 million as originally reported.

In the report to Col. Carl Smith, services director, Public Works Director Marc Stragier said damage to private property totaled \$9,650,000 and set the damage to public facilities at \$350,000.

Stragier said the higher figure resulted when he misplaced a comma and one of the figures came out \$30 million when it actually totaled \$3 million.

"I had been up working all night and

was tired and did not notice my mistake until later," Stragier explained.

One of the hardest hit by the flooding in Indian Bend Wash was the firm of Kaiser Aetna, reporting more than \$1 million damage at McCormick Ranch. Most of the damage there was caused on the McCormick Ranch Golf course where streets were washed out, greens ruined, and fairways interlaced by deep gouges.

Wind damage totaled more than \$5 million with 60 homes destroyed or seriously damaged adding \$1,880,000 to the damage. Another 200 homes

sustained lesser damage totaling \$200,000 and 75 lost carports, walls, fences, and were damaged to the extent that it will take more than \$1 million to repair them.

Another business suffering severe flood damage was the Safari Hotel where it is estimated it will take in excess of \$300,000 to restore and refurbish the hotel's convention center, inundated with more than three feet of water at the height of the flooding.

Stragier estimated that 1,020 Scottsdale homes suffered flood damage, averaging about \$4,000 each, bringing that total to \$4,080,000.

Business firms in the vicinity of Scottsdale and Camelback Roads suffered an estimated \$500,000 in damage.

Stragier reported winds caused more than \$200,000 damage to private planes at Scottsdale Municipal Airport and \$26,000 in damage to hangars and other buildings there.

He said that more than \$100,000 damage was caused to golf courses at Scottsdale and Indian Bend Country Clubs and another \$100,000 to the Villa Monterey Golf Course.

The report disclosed that \$20,000 damage was done to buildings and other

facilities at Saguaro High School and estimated it will cost in excess of \$50,000 to restore Pueblo Elementary School.

It was estimated that more than \$500,000 damage was done to crops and other properties in Indian Bend Wash including 50 homes which were inundated in the Vista del Camino area.

He reported 250 living units were damaged in the vicinity of 68th Street and Lafayette plus damage to 60 units in the Safari Hotel; 80 units in Bonita Vista; 160 units in the Rancho Vista Apartment area; 60 units near Pima and

Indian Bend Roads; 60 units north of the canal extending both sides of Scottsdale Road; 100 units in Cavalier Vista and 100 units in Peaceful Valley.

Stragier estimated it will take at least \$80,000 to repair damage at Eldorado and Vista del Camino Parks, \$26,000 to make repairs at the airport, and \$351,000 to repair other public facilities.

That cost includes overtime pay to city employees totaling about \$20,000, replacement of downed signs, repair of damaged culverts and \$60,000 to rebuild parts of city streets and replace washed out shoulders.

FULL COMPLEMENT OF OFFICERS—

Salvation Army Helped Valley Victims Of Flood

A full complement of Salvation Army officers and nearly 1,000 volunteers joined in efforts to aid Scottsdale-Paradise Valley victims of the flood and tornado disaster that struck that area last week, Maj. Robert L. Keene, director of the Tempe Salvation Army service center, reported today.

Major Keene, who was among SA officers moving into the disaster area within a matter of minutes Wednesday evening after a tornadic wind and torrential downpour, swept the area and wrecked or destroyed hundreds of homes, said the Army fed more than 500 people at its disaster headquarters in Cocopah school, 66th street and Cholla, on the first day. SA officers and volunteers working at the headquarters also recorded more than 100 emergency medical cases and arranged sleeping accommodations for 75 in the schoolhouse after placing a great many in neighborhood homes and in the homes of

relatives.

Volunteers responding to distress calls included representatives of the food industry, which trucked in quantities of fresh and canned foods; the Carnation Milk company which wheeled in tankers of fresh water to meet the emergency as drinking water in the struck area was condemned; a team of volunteer doctors and nurses from the Maricopa County Medical Society, which cared for several emergency coronary cases and gave innumerable tetanus shots as well as other medical assistance for cuts, bruises and sprains.

Serving both victims of the flood and tornado and workers who came to help in the disaster was the Army's local canteen.

Major Keene said one of the most unusual emergency measures handled by the Salvation Army was a crew of volunteers which brought three truckloads of plastic sheeting into the area. The sheeting was

cut up and used to cover valuable furniture in homes where walls or roofs had been damaged extensively.

Salvation Army motor equipment was used to evacuate a large number of people from homes that were inundated and the same trucks carted small tanks of water into isolated areas to provide drinking and cooking water for families remaining on their properties.

The Tempe SA director said

the Salvation Army vehicles also transported doctors into areas which couldn't be reached in ordinary motor vehicles.

SA teams also arranged temporary housing for residents in northeast Phoenix when canal banks broke and the residential areas were deluged with flood waters.

Heading the team of SA officers at the Cocopah school disaster headquarters was Major Glen Gilden, SA Divisional secretary.

\$26,000 is awarded; land needed for flood control

A total of \$26,600 was awarded this week for about six acres of land taken from two families for flood control of Indian Bend Wash in the Vista del Camino area.

Mr. and Mrs. James Cohea contended that their 1.4 acres was worth at least \$40,000 and Mr. and Mrs. Joseph B. Belsito said their 4.3 acres of condemned property was worth at least \$100,000 during the trial before Superior Court Judge Fred Hyder.

The jury decided that compensation to the Belsitos should be \$21,500 and the Cohea family should get \$3,120 for their property.

"From the amount of the verdicts it is apparent to me that the jury accepted the city's contention that the properties could not be developed because of their location in the wash and this determined the value of the property," Attorney Dick Filler said after the four-day trial.

The attorney for the plaintiffs, Steve

Connors, said that last week's flooding of the area apparently had an effect on the jury verdict.

"We realized we were dead when the pictures of the flood appeared in the newspapers and that particular area was shown to be underwater," Connors said. "We plan no further action and will accept the jury verdict as final."

The city appraiser, according to Filler, had said the Belsito property was worth \$12,900 and that taken from the Cohea family was appraised at \$3,120.

It was ironic, according to both attorneys, that during the second day of the trial only four jurors were able to get to the courtroom because they were stranded because of flooded roads.

"In this case it could have been an act of God that saved the taxpayers of Scottsdale a considerable amount of money," Filler added. "It was ironic, but true."



Damage repaired

Progress Photo

Mechanics at Scottsdale Airport were busy this week repairing planes damaged in the June 21 tornado which hit north Scottsdale and Paradise Valley. Here Glen Scudder mends a torn tail section on an Aero Commander. Several hangers also were damaged in the storm, but have been repaired since.

Flood aid assessment to be made

Teams of federal officials will arrive here Tuesday morning to assess Scottsdale flood and tornado damage in order to decide what types of aid can be given to disaster victims. The teams will be composed of experts from the U.S. Civil Defense Office of Preparedness who will evaluate the damage and make their reports to the White House.

If their reports so indicate, there probably will be a presidential proclamation issued making Scottsdale a national disaster area with full relief given victims.

Even if the proclamation is not issued, it is reasonably certain the federal officials will recommend that long-term, interest-free loans be granted to victims of the double catastrophes.

City Manager Dale Carter said today he will ask the city council to pass a special ordinance to waive all city building fees for the homeowners affected by the storms.

Carter also said he has reshuffled his staff, putting many key workers, including librarians and finance department employees, into the emergency relief effort which probably will be continued for weeks ahead.

City Librarian Hugh Cleary has been put in charge of a city emergency information center at city hall to apprise victims of actions they can take to apply for state and federal relief.

Late Saturday Governor Jack Williams returned from Wyoming, where he had been detained by inclement weather, to declare the city a disaster area, assuring that state aid would be granted the victims.

Williams said he would ask President Nixon to declare some regions of the state as disaster areas, making residents eligible for low-interest loans on which they would pay back only the first \$500 and get the next \$2,500 free.

Mayor Bud Tims ordered police to continue enforcing a curfew edict in the Cocopah area and to arrest anyone who fails to comply with orders to leave the area unless they resided there or have business connected with aiding the storm victims. Phoenix police are maintaining a similar curfew in their jurisdiction.

Scottsdale Police Chief Walter Nemetz said there were relatively few reports of lawlessness in the area and so far only one report of looting.

Nemetz said special patrols will be continued in the area until the mayor lifts the curfew which has been set from dawn to dusk.

Parks Director L. B. Scaewater said his crews will continue programs at city parks to provide "free baby-sitting services" for children of persons who need such help as they work to restore their properties.

Eldorado Park lake will be drained to remove debris and paddle boat operations there will not be resumed until July 8, according to Scaewater.

Crews from the City of Mesa and Maricopa County were working with Scottsdale street maintenance men today and had made most flood-damaged streets passable. Remaining closed for several days will be McKellips, Chaparral, Osborn, Murray Lane and Roosevelt, which were wiped out by flood waters surging down Indian Bend Wash.

Public Works Director Marc Stragier said refuse crews did "yeoman work" in distributing sandbags, picking up spoiled meat, carpeting, linens and other materials damaged beyond repair, in the storms.

"Large items, such as patio covers, sections of roofs, damaged fencing and walls, should be removed by the contractors repairing them," Stragier said. "Removal is part of the normal insurance service. We have no practical way to haul or dispose of such bulky items."

Original estimates of the damage to city facilities were first said to be \$500,000. Carter said today he has no doubts that figure now will probably be in excess of \$600,000.

Stragier said today that all but the customers of the Mockingbird Water Co. should feel safe consuming water from the city systems. He said that Mockingbird Water Co. customers should boil their drinking water or get it from tank trucks parked at Cocopah School and other emergency centers being set up throughout the area.



PHOTO BY LANDIS Aerial Survey shows Wednesday night's tornado pattern in damaged residential area northwest of 62nd Street and Sweetwater Drive. Debris from some homes

(arrow at right) was tossed in a northeasterly direction while across the street and down a few houses, the debris was hurtled toward the southwest.

Teens volunteer for clean-up work

Scottsdale area young people have begun volunteering to help victims of flood and tornado damage as the result of last week's storm.

The Progress will run the names and phone numbers of young people who have expressed a desire to help. Victims then may call volunteers to obtain help.

Young people wishing to volunteer help are urged to send their name, address and phone number to the Progress.

Those volunteering to help

and who indicated they had transportation included: Jabetha Sullivan, 946-5402; James Sullivan, 946-5402; Mark Jenkins, 969-8795; Paul Hudson, 946-1208; Nancy Crehan, 948-3009; Don Whitney, 949-0428; Rick Lawdahl, 947-3282; Lucinda Marshall, 959-5827; Debbie Peterson, 943-5666; Denise Peterson, 943-5666; and Shawn O'Brien, 967-3233.

Those not indicating or having no transportation include: Peggi Prenzno, 948-2037; Kevin Eden, 946-3995; Randy Smith, 947-4931.

1st looting case is reported here

Scottsdale police have received the first reported case of looting in the curfew area enforced in the storm stricken North Scottsdale area.

Gary W. Wright, of 11842 N. 67th St., reported to police that when he returned to his home this weekend to begin cleaning up after the flood, he found that the front door lock had been pried open.

Wright told police that at least \$2,200 in valuables was taken from his home but the amount may go higher since the inventory is not yet complete.

Taken in that theft was camera equipment valued at \$400, a turquoise bracelet valued at \$400, a diamond charm bracelet valued at \$1,000, a silver bracelet valued

at \$200, and a gold watch valued at \$200. Two other diamond rings of unknown value also were taken.

Police Captain Mike Gannon said that a curfew will continue in an effort to hold down the number of burglaries and lootings until homeowners can secure their homes. He added, however, that the number of lootings reported may increase now as owners return to their homes.

100°

Sunny and slightly warmer today and Tuesday. High near 100 today and 102 Tuesday. The overnight low is expected to be in the low 70s.



AERIAL PHOTO shows one of several areas (upper right) where Arizona Canal overflowed its banks to the north and west, flooding the Safari Hotel (top center) and adjacent business

places. The Camelback-Scottsdale Road intersection is at lower left and Fashion Square Parking lot at left.

TEMPE (Ariz.) DAILY NEWS, Wednesday, June 28, 1972



PRINCESS DRIVE SCENE — In foreground, floodwaters had washed away the cement curbing and a portion of the pavement, it was revealed when road crews finally cleared away the muck and debris on the roadway early this week.

Most of picture is unimproved land between roadways, still laden with debris washed down by the rainwaters.

Ken Bouzan photo

Senate Approves Emergency Fund For Victims Of Flood

WASHINGTON (AP) — The Senate has voted \$200 million in emergency relief funds for victims of tropical storm Agnes in the Eastern United States, doubling the amount requested by President Nixon.

In a two-pronged effort to help flood-stricken areas, the White House asked Tuesday for urgent approval of \$100 million in flood aid, and announced a two-day tour by Vice President Spiro T. Agnew of battered cities in Virginia, Maryland and New York.

The Senate acted almost immediately. The \$200 million would be administered by the

Office of Emergency Preparedness, which already has a disaster relief fund of \$92.5 million.

The House still must approve, although it was uncertain whether it would do so before recessing on Friday until July 17.

White House officials said the funds would be used for such things as repairing bridges, highways and other public facilities, and was "just a small portion" of the total aid available from 25 other agencies, including the Small Business Administration, which supervises disaster loans to businessmen and homeowners.

The Senate voted the funds through an amendment offered by Sens. Hugh Scott, R-Pa.; Richard Schweiker, R-Pa., and Charles Mathias, R-Md., to a departmental appropriation bill.

It disregarded an objection from Sen. Joseph Montoya, D-N.M., who urged delaying action until the White House offered a more precise estimate of how much flood relief was needed.

The five states suffering greatest damage from Agnes's floods were Maryland, Virginia, New York, Pennsylvania and Florida.

The White House said the additional relief funds could also be used for aiding recovery from other disasters, including the recent flooding at Rapid City, S.D.

President Nixon Tuesday declared California a major disaster area as a result of flood damage caused by a break in a levee in Sacramento County.

July 1, 1972

MESA TRIBUNE, MESA, ARIZ.

9

Storm Damage \$10.9 Million

PHOENIX (AP) — Flood, tornado and windstorm damage last week in Arizona, totaled an estimated \$10.9 million, according to a dozen federal and local evaluation teams called in to access the damage.

At one time, officials said that the storms may have caused up to \$46 million dollars damage, with all but \$6 million of it in Scottsdale.

The \$10.9 million estimate was included in a letter from Gov. Jack Williams to President Nixon Thursday night requesting federal disaster relief funds for Maricopa, Pima and Pinal counties.

"The economic impact which will result upon the various ju-

risdictions and their citizens compels me to seek your assistance," Williams said in the letter to the President.

The following damage estimates also were included in the letter:

—Maricopa County: \$9.3 million including \$4.9 million to homes; \$1.9 million to business; streets, roads and related facilities, \$240,000; dikes, levees and drainage facilities, \$326,000; public buildings, \$20,000; schools, \$176,000; public utilities, \$213,000; federal facilities, \$8,000; recreational facilities, \$99,000; agriculture, \$125,000; private utilities, \$975,000, and public repairs, \$245,000.

Insurance also helps Residents told ways to minimize flood loss

Runoff from sudden, driving rainstorms can leave many Arizona residents at the mercy of flash floods such as occurred last week.

The Insurance Information Institute advised Arizonans this week on steps they can take to minimize economic loss and physical damage to property they face if their property becomes subject to flooding.

The National Flood Insurance Program, a cooperative effort of the private insurance business and the federal government, is the first step that can be taken. Under this program, property owners in eligible areas may purchase previously unavailable insurance coverage to protect themselves against financial loss due to floods or mudslides.

The recently expanded program makes coverage available for most types of property in eligible communities throughout the nation.

Nationally, more than 1,000 areas qualify for the program, and in Arizona nine localities, including parts of Scottsdale, have been certified eligible by the Federal Insurance Administration of the U.S. Department of Housing and Urban Development.

The business-government partnership makes it possible for the first time to provide flood and mudslide coverages at an affordable rate, the Institute reports. Property owners in eligible areas may purchase the coverage from any licensed property and casualty insurance agent or broker.

In the meantime, the Institute reports, the American Mutual Insurance Alliance, through an affiliate, the Mutual Loss Research Bureau, has come up with some pointers on how to reduce property losses and insure personal safety when flooding does occur.

Here are some suggestions from the Bureau:

—Since the water level in many homes during a flood never reaches the second story or barely covers the floor in the first floor living quarters, property damage can be reduced by moving personal effects to high shelves or to second stories before water enters the home.

—Where flooding is a problem, check valves should be installed in sewer traps to prevent flood water from entering the basement through backed up drains.

—Cars should be kept fueled and moved to higher ground, so that residents are not trapped with no means of escape.

—The electricity should be shut off before flood waters reach outlets.

—Equipment such as furnace motors should be removed from basements to a high place.

—Basements may be intentionally flooded when flooding seems imminent. This equalizes pressure on foundation walls as outside floodwaters build up, and deliberate flooding with clean water minimizes later clean up.

—After a flood, make sure the home is structurally safe before entering and check for pockets of escaped gas. Do not turn on the electricity until the electrical system is thoroughly dry and has been checked out.

—Open all doors and windows to provide fresh air.

—Basements should be drained, but not until surrounding flood waters have receded below the level of the basement floor.

—Discard all food exposed to flood water except that sealed in metal cans.

—Scour all utensils.

—Thoroughly clean stoves and refrigerators. Washing with one teaspoon of baking soda in a quart of water makes a good deodorizer.

—Quilts, blankets, sheets and pillow cases should be brushed and shaken to remove all loose surface dirt, then rinse the bedding in lukewarm water to remove lodged soil. Finally, wash in lukewarm suds of a mild detergent, rinse and dry in the sunlight. Clothing should be cleaned in the same fashion.

—If weather permits, take all wooden furniture outdoors, but keep it out of direct sunlight. Remove as many drawers and other movable parts as possible. Do not try to pry swollen drawers or doors open from the front. Instead, remove the back and push out the drawers from the back. Clean out all mud and silt, then store the furniture where it will dry slowly.

—Wooden floors, woodwork and doors should be washed down with a mild alkali solution before the building dries out.

—Allow plaster or drywall to dry before cleaning.

—Carpeting made of wool or manmade fibers can be cleaned once it dries out.



Photo by Dennis Carroll

COUSINS Tony and Alex Alvarez inspect the type of trailers in which they will live during the next few months. Twenty-four such trailers were rented by the city to house families washed

out by last week's flooding in the Vista del Camino area. These trailers later were replaced by others when the potential renter decided he wanted to cancel his deal with the city.

House trailers rented for Vista flood victims

Twenty-four trailers have been rented to house 18 families whose homes were inundated in the Vista del Camino area during last week's flooding in Indian Bend Wash.

Dave Harris, director of community development, said the families would be housed in the trailers until apartments are completed in the city's redevelopment program.

Rented for \$175 per month per unit, costs are being paid partially by the property management division of the U.S. Department of Housing and Urban Development with the remainder paid by the families, based on their incomes, Harris said.

He said that the first nine trailers delivered to the site were removed when the firm renting mobile homes decided to withdraw the offer to supply the homes. Harris said arrangements now are being made with another owner to deliver the trailers this afternoon.

In other flooded areas, according to City Manager Dale Carter, city officials will hold meetings with persons affected to apprise them of what is being done to relieve their hardships.

Carter said there are no mass meetings anticipated, but the conferences will be scheduled at regular intervals with city of-

officials traveling to the affected areas or residents of those areas invited to city hall.

Meanwhile, Carter and Public Works Director Marc Stragier said they both will suggest to the city council that an ordinance be passed allowing the city to waive permit fees and other costs involved in repairing damaged homes and businesses.

Even if the city decides to forego the fees, Stragier warned it would be to the benefit of the property owner to secure a permit so building inspectors can make sure that quality work is done.

Regarding the general cleanup, Stragier issued a report to the council which read in part:

"As of quitting time last night, we had hauled almost 6,000 tons of road building material to reconstruct damaged roadways — that's 300 big truckloads.

"Meanwhile we have hauled about 160 truckloads of debris out of the stricken areas. We have been through damaged areas at least one extra trip with refuse collection and sweeping crews and things are beginning to shape up.

"We have built up the shoulder damage on Thomas, paved the Indian Bend Wash crossings at McKellips, Osborn and Chaparral, and are working on Roosevelt."

Flooding not topic of session

The City Planning Commission tonight will take advice from citizens on the revision of Scottsdale's general plan tonight at 8 p.m. at City Hall.

City Manager Dale Carter said he wanted to make it clear that the meeting is being held to get public opinion on what the plan should include and not to discuss recent flooding in Scottsdale.

"The planning experts are not here to solve the city's flooding problems," Carter said.

Humor brightens gloom of storms

There were a few bright spots with some humor during the aftermath of the storms which hit Scottsdale last week.

There actually was one case where the poor were feeding the rich — or at least persons much better off than those doing the cooking.

When the power went off in many large homes in North Phoenix, city crews carried frozen meats and other food from thawing freezers to St. Daniel's Church in south Scottsdale.

There the food was distributed to the owners of new homes in the Vista del Camino area where it was cooked by housewives of low-income families.

The city crews picked up the cooked food and took it back to Cocopah school where workers distributed it back to the families who had lost use of their freezers.

Bobby Dominquez, a city employe, stayed up all night Saturday manning a roadblock on North Scottsdale Road turning sightseers away from the stricken areas.

Early in the evening one potential sightseer came up to the barricade manned by Dominquez and asked to go through.

Dominquez said when he determined the man had no business in the area he was turned back.

He said that about an hour later a man returned in a different car and said he was an official of Salt River Project and wanted to get through to inspect flood damage.

"I recognized him as the same guy who had been there earlier," Dominquez said. "Can you imagine he went home, changed his clothes, put on sunglasses, and got a different car, in a try to fool me — but I fooled him."

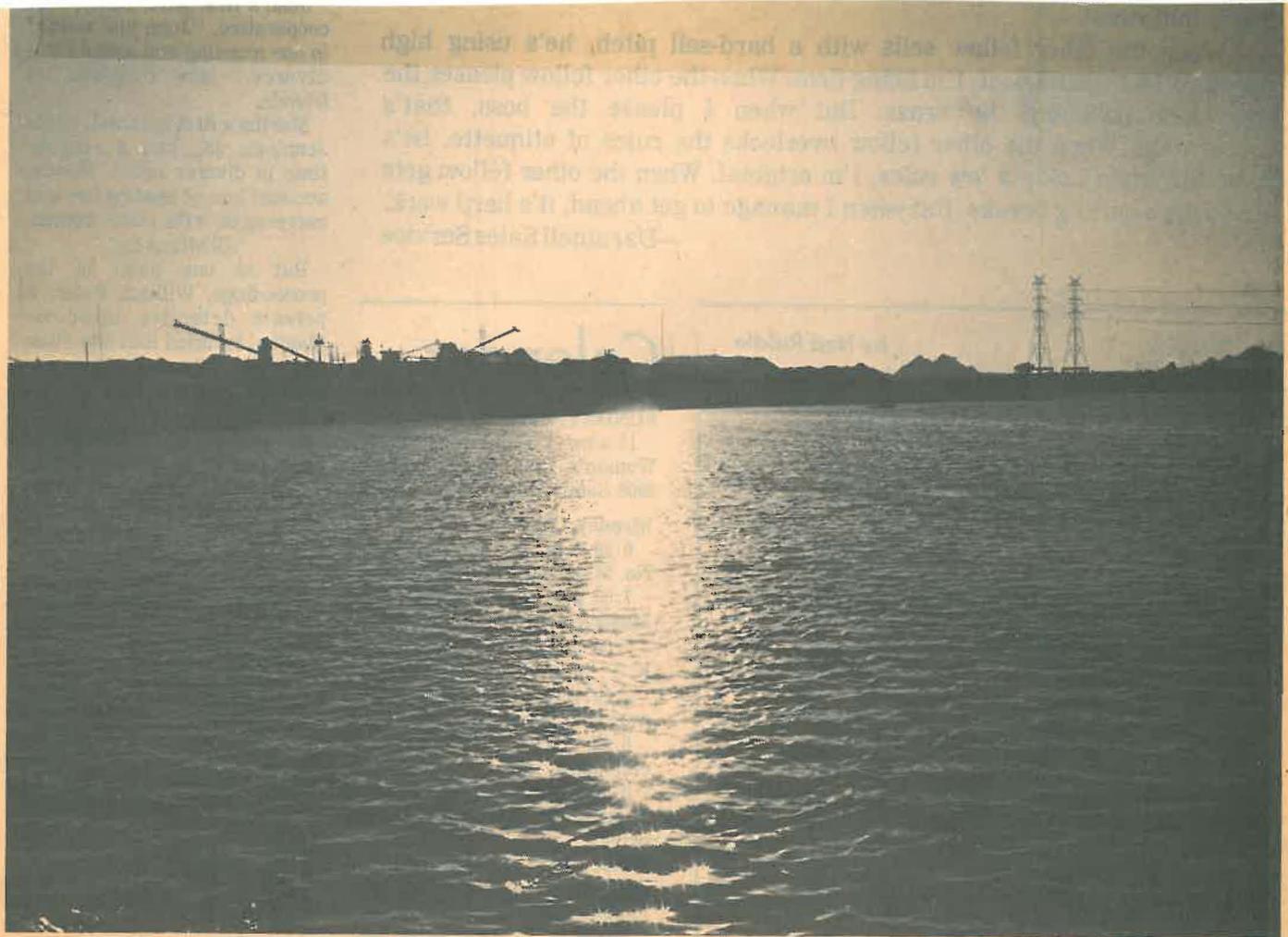
And Claude Crosier and Elmer Falk, refuse collection supervisors, were surprised while they were manning another roadblock at 78th St. and Camelback.

Falk said the water in the road was running over a foot deep when a motorist drove up in a low-slung foreign car.

"You'll never get that car through the water," the motorist was informed.

As Falk and Crosier stood with eyes bulging the motorist pushed a button in the car and its body slowly raised until it was at least a foot higher than when it first arrived at the road block.

"Those engineers in Europe take care of these little problems," the motorist quipped as he drove his car through the flooded intersection.



WATERFRONT SCENE IN TEMPE? — This silhouette looks like sunset on the bay with industry or maybe even a wharf in the background. Actually it is the City of Tempe Landfill which unintentionally became filled with water

following the heavy rainfall of last week and the flow released down the Salt River bed which traverses Tempe and where the landfill is adjacent.

Harold McGinnis photo



RESCUES FLOOD VICTIMS—An Air Force Kaman HH43B Huskie helicopter from Williams rescues two young men who were stranded in a tree when they tried to escape the raging current caused by Thursday's flood. Using a tree penetrator, a device used in Southeast Asia to rescue downed pilots in the jungle, the chopper pulled the two youths to safety in the Indian Bend Creek area of Scottsdale, just south of McDowell Rd. The five-man crew flew four sorties rescuing 15 persons and were credited with six "saves." A "save" is defined as rescuing a person who would have been presumed lost if not for the rescue effort. Crew members included the pilots, Captains Don Blair and Gale Webb; mechanic Sergeant Taras Soroka and firemen, Staff Sergeant David Filut and Airman First Class Mark Beard. (USAF Photo by TSgt. Ray Agee).

Emergency Calls Alert Over 350 SRP Employees

"Roll a Gradall over to 43rd Ave. and the Arizona," crackled the voice over the two way radio. "Then have a crew stand by at 40th Street and the Arizona."

Don Weesner, general superintendent of Water Construction and Maintenance, was giving orders as he drove from one potential trouble spot to another last

Thursday morning (June 22).

"We have trash building up at all of the gates along the Arizona," remarked Henry Brake, assistant superintendent at Western Construction and Maintenance. "We'll need more crews as soon as possible."

More than 350 employees of the SRP water operations had responded to emergency calls for help. Many had worked most of the previous night. After only two or three hours sleep they were called back to duty as the storm moved into the Phoenix area again.

Electric crews, too, had worked much of the night. One hundred had been called out Wednesday night to repair downed lines in scattered areas through the Valley. In most cases their efforts resulted in power being restored in less than an hour, helping to maintain the Project's 99.979 percent

(See SRP Page 10)

Another flood coming

Let us be realists. There will be another major flood in the Valley. It may come this year, next year or five years from now. But one thing is certain; it will come and there will be much damage again and perhaps loss of life.

It also is a safe guess that not enough will be done in advance to minimize the impact of the next flood.

Several years ago voters in Maricopa County overwhelmingly turned down a bond issue for flood control. Two months from now the same thing would likely happen because memories are short and taxes are high.

We claim no expertise in flood control, but we would suggest that one reason the flood was so bad was that there has been rapid growth here in recent years without adequate provision being made to handle runoff. As houses are built and streets paved, there is

less land available to absorb the water. Thus a higher percentage remains as runoff.

To meet this problem, which will increase, it is time for all Valley communities, and state and federal agencies to join together to provide an adequate storm impoundment and drainage system.

In order to minimize future damage building codes should be tightened to prevent the filling of washes so that houses can be built. Several storm victims learned to their sorrow that their homes had been built in dry washes which had been filled.

Another step which should be taken is to require builders to elevate building pads when constructing homes or offices in low areas. Many places would have escaped damage had structures been a foot or two above street levels.

We suggest that municipal authorities throughout the Valley should meet with flood experts and adopt standards to minimize future flood damage.

Supervisors Praise Thousands For Flood Relief Rescue Work

The Maricopa County Board of Supervisors Monday roundly praised the thousands of county workers who remained on extended emergency service throughout Wednesday night and Thursday to assist local communities in flood relief rescue service, traffic control, and emergency road work.

Chairman Bob Stark paid great tribute to county employees; he particularly singled out the Maricopa County sheriff's deputies, highway department field crews, and the Civil Defense and Emergency Services department for their prompt response to the flood disaster in safeguarding life and protecting, wherever practicable, both public and private property. Not one death was reported directly attributable to the severe winds and flooding which hit the Valley.

J. J. Peattie, acting county manager, announced that the Board of Supervisors has authorized the payment of overtime to all non-administrative hourly and skilled workers who remained on their jobs,

despite personal fears for the safety of their own families.

Supervisor B. W. "Barney" Burns highly commended many public and private agencies who similarly worked around-the-clock in safeguarding life and property, including the field crews of the Salt River Project, Arizona Public Service, and Mountain Bell who persevered to alleviate the floods aftermath. Burns also commended the municipal police forces who despite all obstacles maintained law and order.

Supervisor Henry H. Haws gave accolades to the many private citizens who voluntarily helped in the directing of traffic and the rescue of families trapped in flooded areas. He also commended the voluntary services of the many Sheriff's possemen who assisted Sheriff John Mummert in preserving law and order.

"It's a great tribute to our local law enforcement and emergency service agencies that no flood fatalities occurred in the northeast quadrant of Maricopa County," Burns said.

Salvation Army Pressed By National, Area Storms

Ordinarily The Salvation Army does not appeal for extra funds to help pay for emergency disaster services, but the month of June has been an extraordinary period, according to Lt. Colonel David W. Moulton, Phoenix and Southwest Division Army commander.

"Usually there is sufficient support from friends who know what we are doing in the field. Add the disaster work done in the Rapid City, South Dakota, area since June 9 to what has been and still is being done in Virginia, West Virginia, Pennsylvania, Washington, D.C., California and Arizona. It has been costly," he said.

"Storm damage has been

officially estimated at \$9.3 million in Maricopa County," he said. "We know the Army fed in excess of 1,500 in the three-and-a-half days at its emergency center in Cocopah school, 66th Street and Cholla. At least 1,100 homes were destroyed or badly damaged by wind and water in that area."

He added that figures are not yet available from the area in the path of Hurricane Agnes. At Rapid City 1,200 homes were destroyed. 4,425 were damaged, 283 people are known dead and 657 are still missing. The Salvation Army is still on the job in all of these places.

"On this occasion," Colonel Moulton said, "we invite all with available funds and a

generous heart to give. Send contributions to The Salvation Army Emergency Disaster Service, P.O. Box 13007, Phoenix 85002. Gifts will be forwarded to the area the donor indicates it should be used."

Arizona Floods—What To Do Before After, If And When They Take Place

Runoff from sudden, driving rainstorms can leave many Arizona residents at the mercy of flash floods and mudslides.

The Insurance Information Institute is alerting Arizonans to what steps they can take to minimize both the economic loss and the physical damage to property they may face if their property becomes subject to flooding.

First, there is the National Flood Insurance Program, a cooperative effort by the private insurance business and the Federal Government. Under this program, property owners in eligible areas may purchase previously unavailable insurance coverages to protect themselves against financial loss due to floods or mudslides.

The recently expanded program makes the coverages available for most types of property in eligible communities throughout the nation.

Nationally, more than 1,000 areas qualify for the program, and in Arizona, nine localities have been certified eligible by the Federal Insurance Administration of the U.S. Department of Housing and Urban Development.

The business-government partnership makes it possible for the first time to provide flood and mudslide coverages at an affordable rate, the Institute reports. Property owners in eligible areas may purchase the coverages from any licensed property and casualty insurance agent or broker.

In the meantime, the Institute reports, the American Mutual Insurance Alliance, through an affiliate, the Mutual Loss Research Bureau, has come up with some pointers on how to reduce property losses and insure personal safety when flooding does occur.

Here are some suggestions from the Bureau:

—Since the water level in many homes during a flood never reaches the second story or barely covers the floor in the first floor living quarters, property damage can be reduced by moving personal effects to high shelves or to second stories before water enters the home.

—Where flooding is a problem, check valves should be installed in sewer traps to prevent flood water from entering the basement through backed up drains.

—Cars should be kept fueled and moved to higher ground, so that residents are not trapped with no means of escape.

—The electricity should be shut off before flood waters reach any outlets.

—Equipment such as furnace motors should be removed from basements to a high place.

—Basements may be intentionally flooded when flooding seems imminent. This equalizes pressure on foundation walls as outside flood waters build up, and deliberate flooding with clean water minimizes later clean up.

—After the flood, make sure your home is structurally safe

before you enter; check for pockets of escaped gas; do not turn on the electricity until the electrical system is thoroughly dry and has been checked out.

—Open all doors and windows to provide fresh air.

—Basements should be drained, but not until surrounding flood waters have receded below the level of the basement floor.

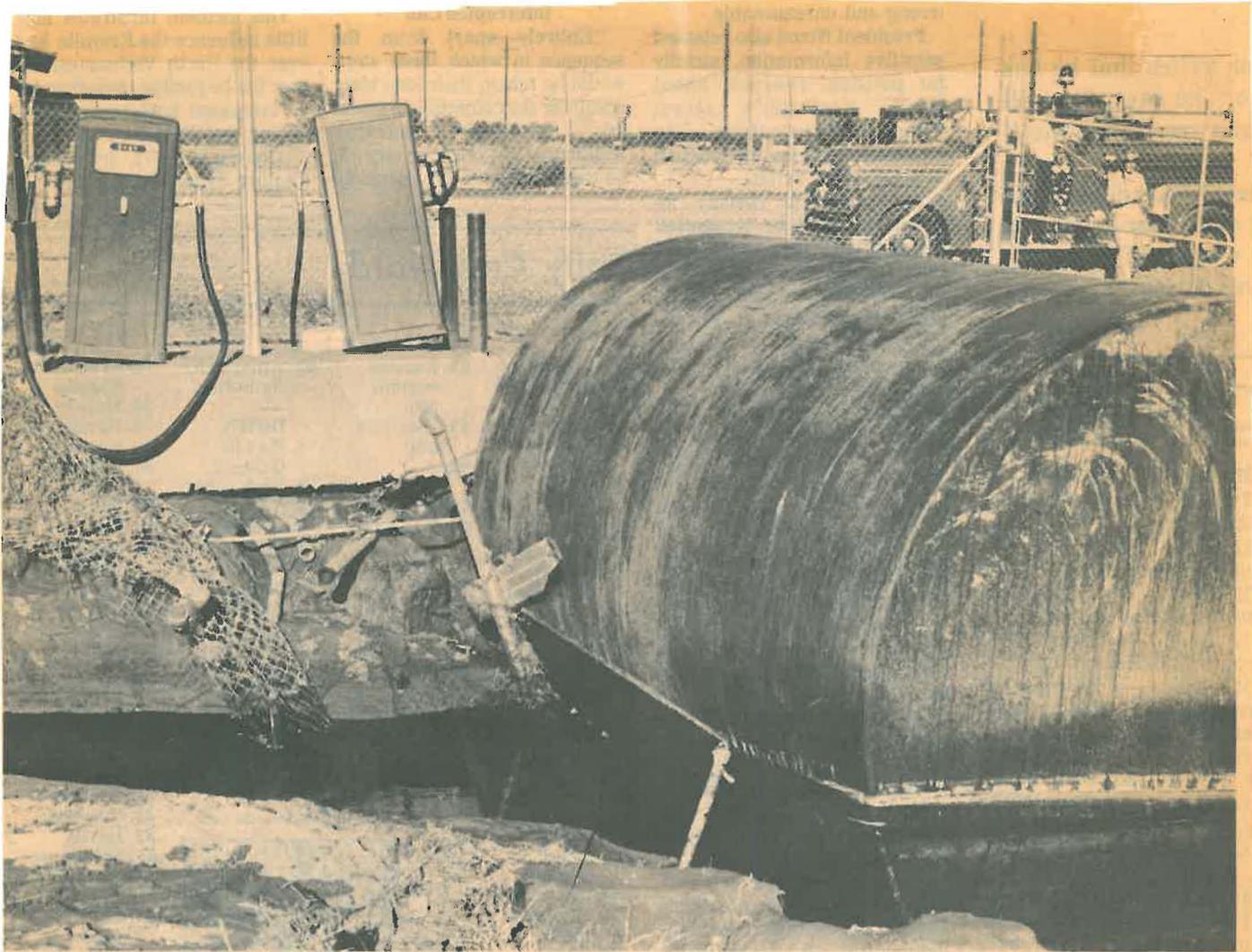
—Discard all food exposed to flood water except that sealed in metal cans.

—Scour all utensils.

—Thoroughly clean stoves and refrigerators. Washing with one teaspoon of baking soda in a quart of water makes a good deodorizer.

—Quilts, blankets, sheets and pillow cases should be brushed and shaken to remove all loose surface dirt. Then, rinse the bedding in lukewarm water to remove lodged soil. Finally, wash in lukewarm suds of a mild detergent, rinse and dry in the sunlight. Clothing should be cleaned in the same fashion.

—If weather permits, take all wooden furniture outdoors, but keep it out of direct sunlight. Remove as many drawers and other movable parts as possible. Do not try to pry swollen drawers or doors open from the front. Instead, remove the back and push out the drawers from the back.



GAS TANK EXPOSED AND LEAKING — A potentially dangerous situation was handled successfully on Saturday evening by construction crew and Tempe Fire Department. Murphy Construction Company's 5,000 gallon gasoline tank, stored at 1600 East Princess drive, had been underground prior to the heavy rainfall and resultant flooding conditions in that North Tempe area. Floodwaters exhumed the tank

and a line attached to the tank broke with a pool of gas forming around the drum as shown. Only hand methods could be used to stave off an explosion since one little spark would blow the flammable liquid. Company crew hand-shoveled dirt over the pond and area is policed off until tank can be drained and danger alleviated.

Ken Bouzan photo

Back from Rapid City

Family gets double dose of floods, storm damage

The Paul Evans family of Scottsdale suffered a double dose of storms and floods, both here and in Rapid City, S.D., where they are building a summer home.

The couple, residents here three years since moving from Rapid City, went there a few weeks ago to begin construction of a home on Rapid Creek near Thunderhead Falls, seven miles outside the city.

"The flood hit the day before we were to start building. We were staying with friends and safe, but I never could have believed a town could be so badly damaged by a flood," Tina Evans said.

She was talking from her home at 6530 E. Desert Cove, where Wednesday night's tornado tore apart one end of their home, ruining the master bedroom and badly smashing two new automobiles in a garage.

"We were reached in Rapid City by our good neighbors here, Jack and Shirley Seitz, telling us about the damage. We flew back Thursday night and spent it in the house by candlelight," Mrs. Evans said.

The main area of the home was untouched and is livable, but the master bedroom, storage room and two garages were blasted apart by the winds.

Their acreage in Rapid City was skirted by most of the floodwaters, she said, so that a camping trailer they parked on it was spared. "The apartment we lived in and my husband's office both were second story, and they weren't flooded," Mrs. Evans said.

"The storm damage here was bad, but it was so terrible in Rapid City, we aren't complaining," she said. "We really feel lucky."

Commission Named To Study Flood Control

Wickenburg's new Planning & Zoning Advisory Commission has been instructed by Town Council to study, report and recommend to the Council the following matters:

(1) Possible flood plain zoning along the Hassayampa River in accordance with the June, 1972 report of the Corps of Engineers.

(2) Development of Wickenburg in accordance with and at variance from the Wickenburg General Plan

of 1964.

(3) Such other areas as the Commission may, by ordinance, study or be requested to study.

Council action was taken at a special meeting last Thursday evening. The Commission, appointed by Mayor Bud Billingsley, is made up of Councilmen Garth Brown, Ray Bybee and Curtis Arnett.

FLOOD AID Programs Get Study

PHOENIX (AP) — Federal and state officials were expected to meet with representatives from the state division of emergency services to outline plans for qualifying flood victims for assistance programs.

Col. Carl W. Smith, state director of emergency service, said Tuesday's meeting will include representatives from the U.S. Office of Emergency Services, the Small Business Administration, the environmental Protection Agency, the Army Corps of Engineers and others.

Smith said he and C. R. Kriminger, chief aide to Gov. Jack Williams, will fly over some of the disaster areas.

Two planes from Berstrom AFB in Austin, Tex., are to photograph damage in Maricopa County.

The activity ties in with a request by the governor that President Nixon declare Arizona a disaster area, according to Smith.

PERSONAL FINANCE

Water Is Flood Protection

By CARLTON SMITH

If you're ever faced with flood waters threatening your home, there are a couple of things you can do to minimize damage — even though the neighbors may think you've gone crackers.

Crackers? Well, what would you think if the authorities issued warnings that you'd soon have a foot or two of water surrounding your house, and you saw your neighbor Fred hook up the garden hose and start filling his furnace fuel-oil tank with water?

Then, when he gets that full, he begins filling up the basement. A severe case of bats in the belfry?

On the contrary, these are a couple of the most sensible things you can do, says the "Journal of American Insurance." They're based on lessons learned from a study of the causes of dam-

age in the disastrous Fairbanks, Alaska, flood of August, 1967.

Engineers found, for example, that submerged fuel tanks, when only partially full, had sufficient buoyancy to rise to the surface, ripping out pipes and tubing as they came up. Oil leakage then added to the total damage.

Even tanks buried in the ground "buoyed to the surface," like those in water-filled basements. In a flood, there's so much water in the earth that a tank will act as if it's submerged in water. And when this happened to fuel tanks buried in the yard near a foundation wall, it often created a great hole full of water whose pressure caved in the wall.

As for the protection afforded by filling your basement with water, that again

is because the surrounding earth is so permeated by water that there's enough hydrostatic pressure to break basement walls inward. If you fill the basement with water, there will be equal pressure on both sides of the walls.

What's more, the engineers, found homeowners were better off afterward if they had only relatively clean water to pump out of the basement. If flood waters broke through and filled the basement, they generally had additional damage, and bigger clean-up problems, because of the silt.

Before flooding your basement, needless to say, you should remove furnace and other electric motors to a place that will be high and dry. But if you don't have a chance to do this, prompt salvage action is effective.

The study of the Fairbanks flood showed that 90 per cent of heating-system motors that had been submerged were functional

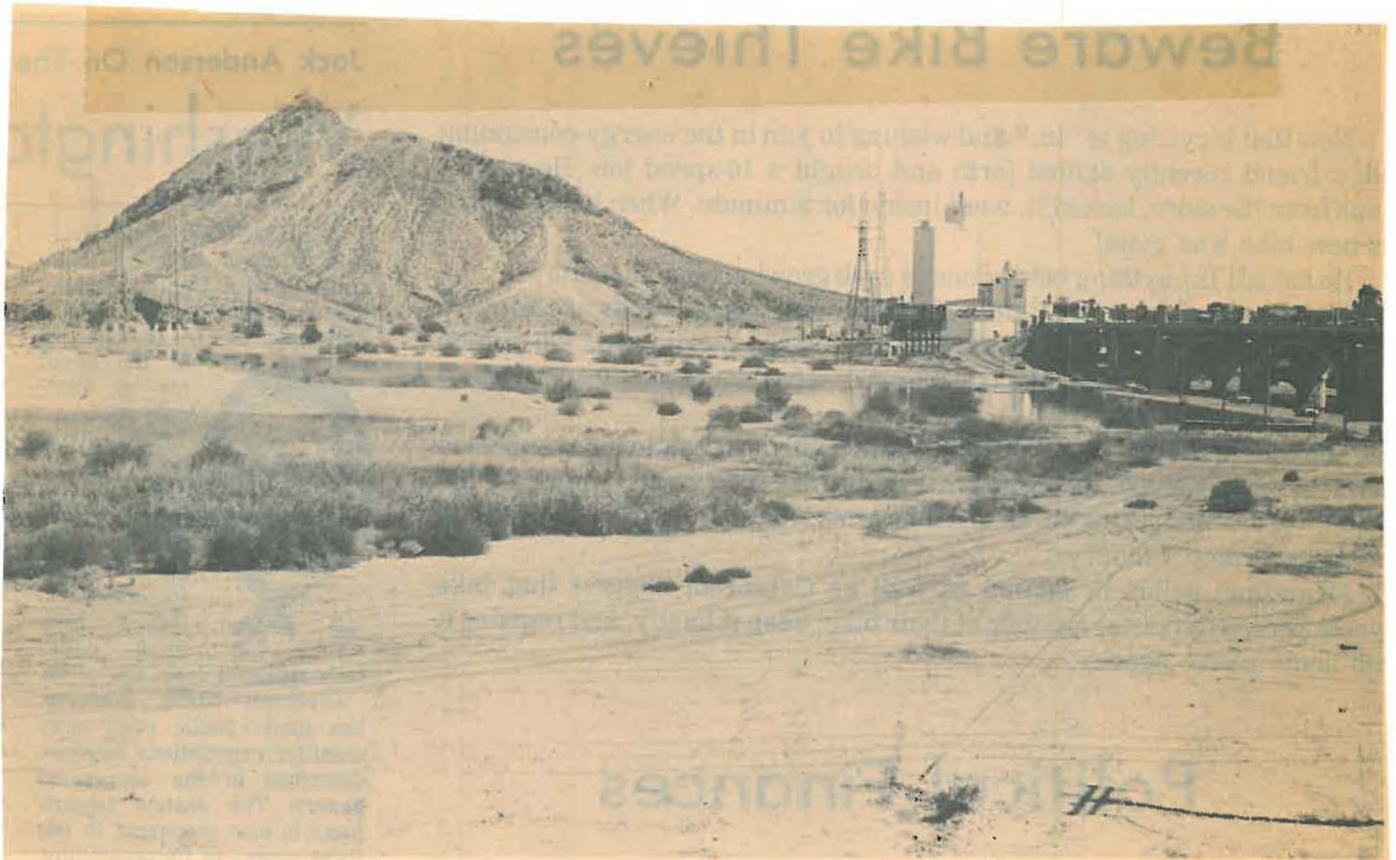
again if promptly dried out and cleaned and oiled as necessary—preferably by an experienced electrician.

There's no such thing, of course, as a flooded home that doesn't suffer extensive damage. Precautions such as those above can only minimize damage. And until recently, homeowners couldn't get insurance against flood damage.

Today, flood insurance is available in more than 400 communities in 36 states, says the Journal. Relatively few homeowners have taken advantage of it. Fewer than 60,000 policies have been issued.

If you live in a flood-prone area, one of these policies might spare you a financial catastrophe—having to finance out of your own pocket repairs to a flood-damaged home that can run into thousands of dollars. Ask your local insurance broker about flood insurance in your community.

(NEWSPAPER ENTERPRISE ASSN.)



STILL A LITTLE WATER — There's still a little bit of water in the Salt River bed, serving as a reminder to the hectic days last week when a downpour forced the SRP to move water from the canals throughout the Valley area back into the river bed, which is normally dry. Traffic on the Tempe Bridge was two-way for two days, causing a huge traffic jam in downtown Tempe.

Tony Lopez photo



CLEAN UP—Workmen at McCombs School spent most of Thursday cleaning up tree limbs and other storm debris following Wednesday's storm. A funnel cloud was reported to have passed over McCombs School. Some damage was done to the school's roof. One of the buildings was moved off its foundation. (Arizonan Photo.)



STORM DAMAGE—A camper trailer received the most severe damage as a tornado passed over McCombs School south of Queen Creek last Wednesday afternoon. Very little damage was done to the house trailers next to the school. One of the buildings at the school was moved slightly off its foundation. An area resident reported seeing a funnel cloud pass over the school but he said it did not touch down. (Arizonan Photo)



POLES DOWNED—The heavy winds blew over several poles in the Queen Creek area. They also did some damage to crops. (Arizonan Photo).



HIGH WATER—Low places in roads caused problems for some drivers. East-West roads were flooded in many places. Most of the water in the Chandler area was from rain and drainage not from canal overflow. (Arizonan Photo).

County Supervisors Praise Valley's Flood Volunteers

The Maricopa County Board of Supervisors today roundly praised the thousands of county workers who remained on extended emergency service throughout Wednesday night and Thursday to assist local communities in flood relief rescue service, traffic control, and emergency road work.

Chairman Bob Stark paid

great tribute to county employees; he particularly singled out the Maricopa County sheriff's deputies, highway department field crews, and the Civil Defense and Emergency Services department for their prompt response to the flood disaster in safeguarding life and protecting, wherever practicable, both public and private property. Not one death was reported directly attributable to the severe winds and flooding which hit the Valley.

J.J. Peattie, acting county manager, announced that the Board of Supervisors has authorized the payment of overtime to all non-administrative hourly and skilled workers who remained on their jobs, despite personal fears for the safety of their own families.

Supervisor B.W. "Barney" Burns highly commended many public and private agencies who similarly worked around-the-clock in safeguarding life and property, including the field crews of the Salt River Project, Arizona Public Service, and Mountain Bell who persevered to alleviate the floods aftermath. Burns also commended the municipal police forces who despite all obstacles maintained law and order.

Supervisor Henry H. Haws gave accolades to the many private citizens who voluntarily helped in the directing of traffic and the rescue of families trapped in flooded areas. He also commended the voluntary services of the many Sheriff's possemen who assisted Sheriff John Mummert in preserving law and order.

"It's a great tribute to our local law enforcement and emergency service agencies that no flood fatalities occurred in the northeast quadrant of Maricopa County," Burns said.



WHAT MONSTER THIS? — When the waters had receded in the Salt River after this week's heavy flow due to Salt River Project opening up all drains and wasteways to carry off the rainfall collection, somebody or something walked out of the bed. Looking at the footprints or markings caused

some wags to opine that the Old Salt might have its own monster and Tempe therefore need not be envious of the Loch Ness Monster. Adults, as well as youngsters on bicycles, gathered on the banks of the river to watch the usually dry Salt River with its rapid flow the last few days.

Harold McGinnis photo

Supervisors Laud County Workers

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FLOOD CONTROL DIST. OF
MARICOPA COUNTY
3325 W. DUMANGO
PHOENIX, ARIZONA 85009

Officials study aid for flood-stricken residents

County, state, and federal officials worked today toward a Thursday deadline to provide assistance to Scottsdale residents victimized by flood and tornado damage.

The officials this morning were using expert photograph analysts at Luke Air Force Base in assessing damage in the city and other parts of the state, one of the first steps in qualifying victims for assistance.

Col. William Eldridge, head of the county Civil Defense, took hundreds of aerial shots of the damage in Scottsdale to the air base for the evaluation

sessions.

While Eldridge was getting the photos analyzed to pinpoint and assess the extent of fix the damage, Col. N. Smith, state director of emergency services, and Robert Stevens of San Francisco, of the U.S. office of Emergency Preparedness, were meeting at the statehouse to discuss means of expediting aid to the stricken homeowners,

And County Assessor Kenneth R. Kunes said that owners of severely damaged property, either residential or commercial, should contact his office for adjustments to the tax rolls. "We know

many homes and other buildings were totally destroyed," said Kunes. "We know that a great number of additional buildings received enough damage to consider them worthless."

Kunes said he also is using aerial photographs of damaged areas, and has instructed his staff to work exclusively in locating the damaged property and correcting the tax rolls.

City Manager Dale Carter said that first estimates of \$40 million damage to private property was high and that now the estimate stands at \$17.5 million in private property damage and between

\$500,000 and \$600,000 to city facilities.

Scottsdale City Library Director Hugh Cleary today continued to head up an information center at City Hall where persons seeking aid were being told the correct way to apply for that assistance.

Ironically City Public Works Director Marc Straiger had warned more than two weeks ago that Scottsdale residents in flood-prone areas should get federally subsidized flood insurance, but only a few followed that advise.

Scottsdale, which was hit hardest by the storms, was the first Arizona Community qualified for the federally-

subsidized insurance program but it was reported that less than 50 residents here even applied for the coverage.

State Insurance Director Millard Humphrey pointed out that most of the flood and wind damage was not covered by insurance.

He said that only 240 flood insurance policies had been signed in all Arizona since the state qualified for the program 18 months ago.

His assistant, Mel Dunton, said the relatively high cost of the policies may have been part of the reason so few persons signed up for coverage.

Policy cost is 55 cents for each \$100 of coverage. Homes may be insured up to \$17,500 and small businesses up to \$20,000.

Under the existing formula it would cost a homeowner \$175 a year for full coverage and an owner of a small business establishment a total of \$200 a year.

If Gov. Jack Williams is successful in getting Scottsdale proclaimed a national disaster area, the federal government will supply grants covering the full \$500,000-plus in damage to city facilities.



Scottsdale Daily Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

SCOTTSDALE, ARIZONA, TUESDAY, JUNE 27, 1972

35c Per Week — 10c Per Copy

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subsidized insurance reported that less than half even applied for the coverage.

State Insurance Commissioner Humphrey pointed out that flood and wind damage is not covered by insurance.

He said that only 20 percent of policies had been signed since the state qualified for the insurance 18 months ago.

His assistant, Melvin, said that the relatively high cost of flood insurance have been part of the problem for persons signed up for coverage.



Photo by Dennis Carroll

A helping hand

Officials of the City of Mesa continued their "good neighbor policy" today by furnishing both men and equipment to aid Scottsdale repair damages of last week's storms. Here a Mesa street sweeping crew cleans silt from Calle Redondo in the 6600 block. The youth at right had piled carpet padding pulled from one of the flooded homes in the area.

Scottsdale Daily

YOUR AWARD WINNING HOMETOWN

SCOTTSDALE, ARIZONA, TUESDAY, JUNE 1, 1976

Williams asks for federal flood relief

By DON BOLLES

Gov. Williams yesterday asked President Nixon to declare storm-damaged sections of Arizona a federal disaster area.

"We have a disaster situation," Williams declared as he returned from Wyoming in mid-afternoon and viewed flood and tornado damage from an airplane.

Williams went to his state house office to confer with his chief aide, C. R. Krimminger, and Ralph Burns of San Francisco, special agent for the U.S. Office of Emergency Planning.

Burns, former regional director of the energy planning office, toured flooded areas of the Valley with Col. Carl Smith, director of the State Office of Emergency Services.

Williams asked Burns to bring a federal team to the state to estimate the storm damage.

Krimminger went over flood loss figures with Smith and other officials and it appeared likely that the first estimates would be revised downward drastically.

On Friday, Scottsdale had estimated its public and private damage at \$40 million and other communities said they suffered another \$6 million loss.

Scottsdale officials took another look at their estimates yesterday and Krimminger said the \$46 million figure looked "crazy."

Smith said Scottsdale has "estimated a little high."

Sunny skies again helped the Valley to dry out yesterday and most facilities were back to normal. Except for those residents who suffered severe damage from Wednesday night's tornadic winds and Thursday's torrential rains, it was hard to believe that the Valley had been awash in normally dry June.

But the remnants of smashed houses, and rugs and furniture out on the streets, were visible to the governor.

"I shall request the President for a federal disaster area designation so that those who have suffered may be eligible for maximum assistance," he said in a statement.

"This follows my issuance Thursday of

an emergency proclamation making available the Arizona National Guard for storm duty. I am informed the guard responded to every request made of it for help," he added.

A presidential disaster declaration, it was learned, would relieve the plight of many who had considerable water damage in their homes. They would be eligible for low-interest loans on which they would pay back only the first \$500 and get the next \$2,500 free.

The declaration also would enable Burns' OEP to bring in technical experts and set up one-stop stations where

all relief agencies would be available to offer help.

Nixon could not make these facilities available without a favorable recommendation from the governor.

Smith said the state and county have no funds available to help homeowners — only a disaster fund to repair damage to streets and other public facilities.

The Salt River Project, having repaired all breaks in its irrigation canal system, began releasing normal water supplies from its Granite Reef Dam early yesterday, ending the diversion of water into the Salt River bed.

A spokesman for SRP, Lee Athmer, said it was necessary to get water flowing into the canals because it is needed to provide drinking water for Phoenix and irrigation for those homeowners and farmers unaffected by the storms.

These were other facets of the post-flood situation:

WATER

Dr. Ellis Sox, deputy director of the Maricopa Health Department, said lab reports indicate water from the following

Continued on Page B-5

More about

Federal flood relief

Continued from Page B-1

companies is fit to drink from the tap without boiling:

Paradise Valley, Desert Springs, Ocotillo, Gainey and Indian Bend water companies, plus city water from Phoenix and Scottsdale.

His office is still checking on water from the Berneil and Mockingbird water companies and suggested residents continue to boil water from these firms.

EVACUATION CENTERS

All five evacuation centers operated by the Red Cross and Salvation Army were closed. The last one, at St. Daniel's Roman Catholic Church at 7923 E. Latham, Scottsdale, shut down at noon when a few families returned to their homes.

HOMEOWNER ASSISTANCE

The Red Cross continued to offer money and clothing gifts to those in need from its headquarters at 1510 E. Flower and will be open again today. A needy family of six, for instance, could get \$66 to provide food for a week and clothing money for necessary items.

Manager Lee Krebs reported he toured northeast Phoenix areas which had been virtually unnoticed and believes that the estimate of 1,000 flooded homes in the Valley is "way too low."

He also noted that Valley United Fund agencies had been in the process of raising \$21,500 to aid victims of the Rapid City, S.D., flood "and now we find ourselves with a worse disaster."

ELECTRIC SERVICE

Arizona Public Service Co. reported its distribution system was "put back together" and only a few customers were without service. Spokesman Ted Dando said, "We've declared the electric emergency over" and auxiliary

crews were sent to other cities. If any homeowner is doubtful about turning on power in a flooded home, he said, he should consult an electrician.

One notable exception to restored service was the 96-unit luxury apartment, The Cascades, at 36th St. and Campbell. Flood waters poured into the basement, damaging 90 automobiles, and the mostly elderly residents were cut off from electricity. "We're lucky we're still alive," said Mrs. Leon Chaykin, manager. She said the wiring had to be replaced and she hoped electric service would be turned on late last night.

STREETS

State and county police sources reported all highways and major streets now open, except for a construction site on the freeway between 19th Avenue and Grant.

Camelback Road at Hayden and Indian Bend Wash in Scottsdale was closed between noon and 4 p.m. for repair of flood damage, but Scottsdale police reported that all roads which were closed were open.

The 48th Street and 7th Avenue crossings of the Salt River bed in south Phoenix were opened when the canal diversion stopped.

WEATHER

No further rain is on the horizon for the metropolitan areas in the next few days, according to the national Weather Service at Sky Harbor International Airport. The mercury rose to 97 degrees yesterday afternoon and was expected to be 100 today and tomorrow, aiding the drying-out process.

SCHOOLS

Summer classes at the flooded Central High School will resume at their regular times tomorrow, according to director Larry Kelly.

TRASH

Phoenix sanitation workers picked up about two tons of spoiled meats yesterday, and expected to collect further tons of wet furniture, rugs and clothing with special crews tomorrow and the next few days. Director William McSpadden asked that all spoiled meat be placed in closed plastic sacks so that it can be disposed of properly at city landfills. Storm damaged items should be placed at regular collection sites, he said.

THE PHOENIX-ARIZ REPUBLIC

JUNE 27, 1972

PAGE 4

ACROSS THE NATION

Flood Insurance Cost Cut 40 Pct.

WASHINGTON (AP) — The federal government reduced by 40 per cent today the cost of subsidized flood insurance in an effort to encourage wider purchases and to prod communities into implementing land use and control measures.

George K. Bernstein, federal insurance administrator in the Department of Housing and Urban Development, made the announcement after making a weekend helicopter inspection of flood damage caused by hurricane Agnes in the Maryland-Pennsylvania area.

X Scottsdale flood damage 'avoidable'

By ATHIA HARDT

SCOTTSDALE — The flood damage to homes north of the Arizona Canal was "foreseeable" and much of it was avoidable, according to Marc Stragier, city public works director.

"Think of that," he emphasized. For a moment, Stragier stared off into space, frowning, his forehead wrinkling.

"And it isn't the worst we could expect," he said. "Next month, or next week, we could have worse damage."

He said the cost of implementing a good flood control plan on the Indian

Related story, photo on Page B-1

Bend Wash here is dwarfed by the damage resulting from the repeated flooding.

Indian Bend Wash runs 7 miles north to south through Scottsdale from the canal to the Salt River bed.

Stragier, who is in charge of Scottsdale flood control planning, talked wearily of the times Scottsdale residents have been flooded and have voted against flood control funding plans.

Scottsdale needs \$3 million to \$4 million over the next five to six years to complete its green belt flood control plan for the wash, he said. The plan is intended to relieve buildup of water in the canal and at the same time prevent flood damage in Scottsdale.

Approximately \$12 million is needed for storm drainage throughout the city, he said.

But for approximately \$1 million, Stragier added, the city might have saved "half of the homes flooded" north of the canal by constructing a siphon pipe in the wash under the canal and breaching the canal.

That would have meant more flooding in the wash, but it would have lessened the amount of water traveling west along the canal. The danger to the more densely occupied areas north of the canal would have been less, he said.

Stragier wondered, too, if it would have helped if the city's new, inoperable \$70,000 floodgates on the canal had been opened.

The gates are located where the canal and the wash intersect 1,000 feet south of Indian Bend Road and a mile east of Scottsdale Road. At that point, the Salt River Project had constructed smaller gates and a spillway.

"It might have avoided half the damage," Stragier said. "I wish I knew."

The city's floodgates are inoperable because machinery has not been installed so they can be opened. The SRP refused to allow the operating mecha-

Continued on Page A-20



Residents of townhouse complex at 4100 block of N. Hayden Road now have a view of a lake, but it's a lake created by floods, not by man

Republic photo by Earl McCartney

Phoenix floods predictable; plan to avert others studied

By GRANT E. SMITH

Phoenix Deputy City Manager Fred Glendening has a map on his office wall that shows the areas of the city most susceptible to flooding.

The flood waters that churned down Phoenix' streets last Thursday and into homes struck areas marked on Glendening's map.

"The flooding was very predictable," he said. That is one of the bitter ironies of last week's flood. The Army Corps of Engineers, the Maricopa County Flood Control District and the City of Phoenix know pretty well where the floods will hit.

There is even an elaborate plan to help prevent the major flooding.

But, there has been a lack of local money to help make the plan a reality.

Maricopa County voters rejected a \$22.9 million bond issue to finance the plan in 1966. The vote was 3 to 1 against.

In the aftermath of the defeat, the Maricopa County Board of Supervisors did raise the tax rate for the flood district from 2 cents to 5 cents. But, the rate was dropped back to 4 cents last year.

The flood control district was in the position of having too much money, but not really having enough.

The Corps of Engineers does plan to get the first part of its plan going this summer when a contract will be awarded on a flood control project for Dreamy Draw, which will include an earthen dam and retention basin.

Such a project would have helped last week. Water from Dreamy Draw ran into the Arizona Canal adding, to the flooding problems along the canal.

Another part of the Corps' plan would be a project to relieve the Arizona Canal of its flood waters, but no one is sure when that project can be started.

Maj. Alan Chapman, the local representative, said he thought the next project, after Dreamy Draw, would be a dam on Cave Creek north of Union Hills Drive. He said work would probably not start for another two years, however.

The corps estimates that the total cost of its plan would be \$105 million. The annual cost, the Corps estimates, would be \$4.2 million compared to annual benefits of \$15.5 million.

Glendening said he thinks the Dreamy Draw and Cave Creek projects are important and wishes work could get going on them.

"I think the voters would go along with a flood control plan if they are shown a definite program and dates when they might expect action," he said.

He pointed out the city voters have approved bond issues for storm drains in 1957, 1961 and 1970. The bonds total \$35.5 million.

"Our storm drains worked pretty well the other day," Glendening said. "We had some flooding, but they worked. Really, they aren't designed to handle that much water.

"That's why we need the major flood control projects," said Glendening.

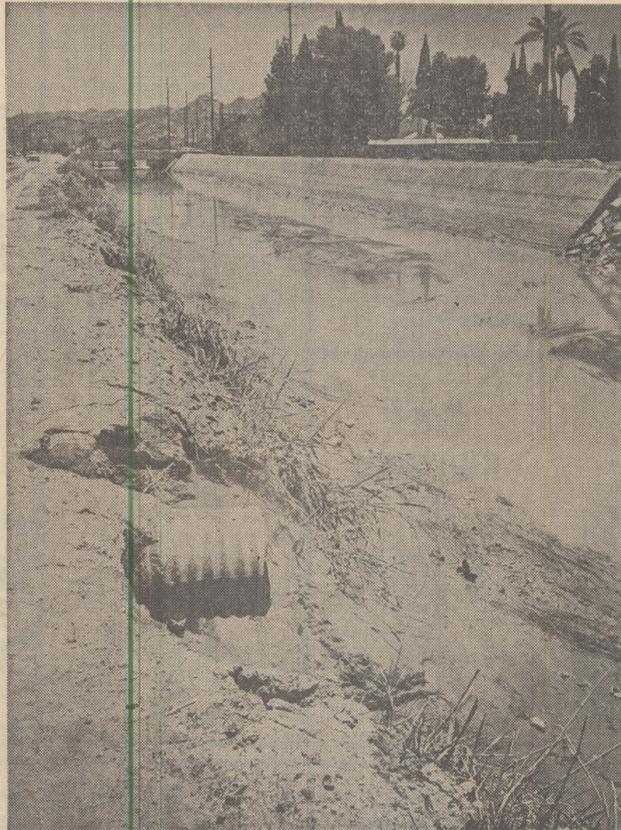


Fred Glendening, Phoenix deputy city manager, points to potential flood areas

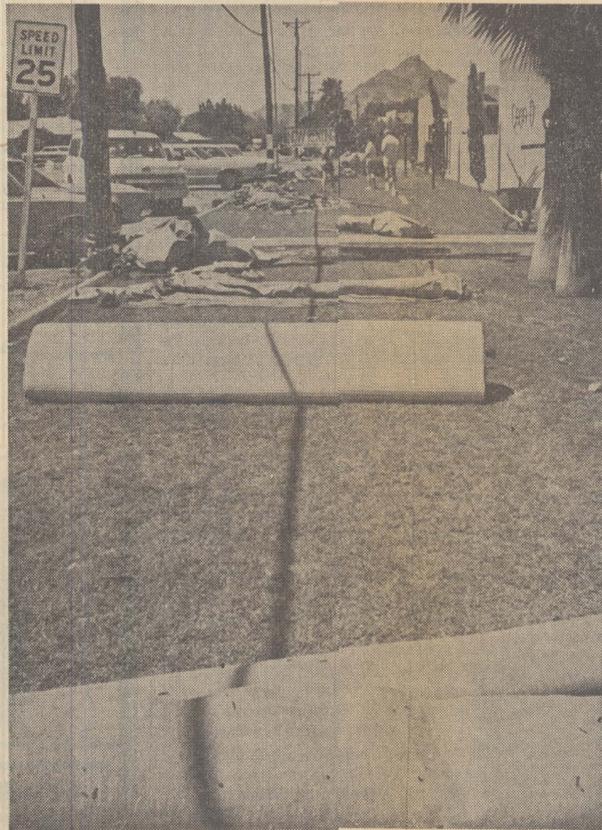
Republic photo by Lud Keaton



Debris clogs floodgate used to control excess water in Arizona Canal



Floods eroded Arizona Canal bank and exposed pipe west of 19th Avenue



Carpeting on lawn will be installed in flood-damaged apartments

Republic staff photos

More about City official terms Scottsdale's flood damage foreseeable and avoidable

Continued from Page A-1

nisms to be installed because the downstream channel to the wash is too small to handle the water, he said.

The city is negotiating for land to enlarge the wash to carry more than the present maximum of 1,200 cubic feet per second, he said.

"If they were operable, you'd have control over the drainage, even if the channel couldn't handle it," he said. "It might have made a substantial improvement in the conditions."

Flooding south of the canal, near the Indian Bend Wash intersection, would have been preferable to the heavy home damage north of the canal, he said.

Reid Teeple of SRP said he did not

think the city gates would have helped relieve the flooding.

"If you had five times that number of gates," he said, "it wouldn't have affected a thing. There was too much water for the spillway."

But he agreed with Stragier that there is a great need for more flood control facilities, although he said he was not sure the city's green belt plan, designed to create a belt of parks, trees and grasslands around the wash, is preferable to an old Corps of Engineers proposal to dig a concrete channel through Scottsdale.

Flooding north of the canal, Teeple said, has happened often "in years gone by. The only difference is that we have people there with houses now."

"The canal can only carry so much, and when it's full, that's it," he said. "It wasn't built for that purpose (flood control)."

Despite the repeated flooding, Scottsdale and county residents have rejected higher spending for flood control projects.

"There are two things people don't like to do," said Don Renz, an administrative assistant in the planning department: "Raise taxes and spend money."

In 1965, Indian Bend Wash was flooded and water gushed through Scottsdale at the rate of 8,000 to 9,000 cubic feet per second.

A year later, Scottsdale voters rejected a flood control program in a \$22.7 million countywide proposal. It was defeated by a 3-1 margin.

In 1970, Scottsdale's Mohave residential area suffered a deluge of flood waters and extensive damage.

The next year Scottsdale voters turned down a 1-cent sales tax intended to fund a flood control project. Mohave voted heavily against the increase, Renz said.

"A few days after the flood, it dries up," said Stragier, "and there's no sign at all of the water."

When they came to the polls, voters have managed to wipe out memories of their once-flooded living rooms or have decided to take vengeance on a city that "let them get flooded," he said.

Last week water rushed at 7,000 to 8,000 cubic feet per second, he said, a level that would probably rate it a "15-year storm." The worst storm flood con-

rol planners prepare for is a 100-year storm and 30,000 cubic second-feet of water.

The damage such a storm would do in Scottsdale now is inconceivable, Stragier said, adding that last week's flooding "really dramatizes the need in our community for more flood control facilities."

"But we're going a long way toward relieving the kind of storm trouble we had," he said. "We are solving the flood control problem."

Though Scottsdale has no flood plain zoning to prohibit building in flood areas, it has passed an ordinance that effectively discourages builders from constructing too close to Indian Bend Wash.

The city is working to create its green

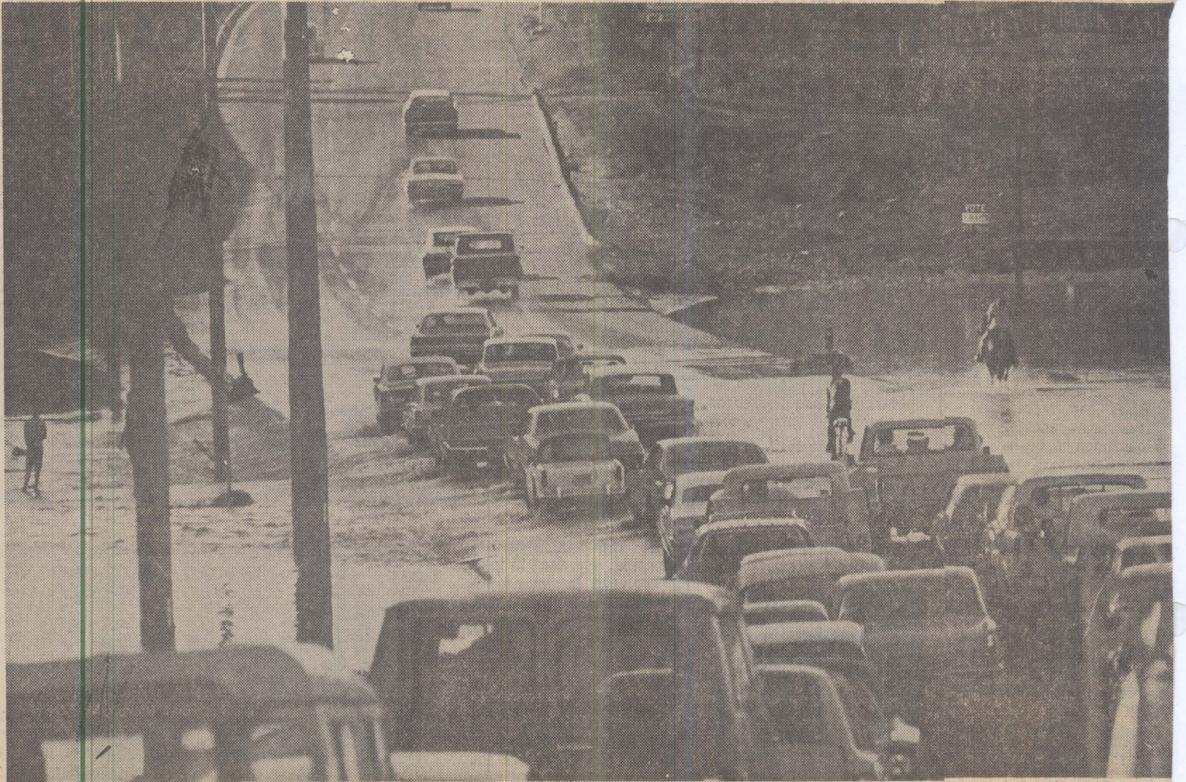
belt there under the theory, as Renz put it, "that water will run over grass around little trees without any trouble."

The \$3 million to \$4 million Scottsdale wants for its plan for the wash would pay for right-of-way purchases, construction of a low-flow channel, culverts for roads over the channel and drainage into the wash. The complete storm drainage plan for the city would run \$75 million, Stragier said, but the amount urgently needed is about one-sixth of that.

Whether or not the city will seek a referendum now that memories of the flooding are sharp in Scottsdale residents' minds is uncertain.

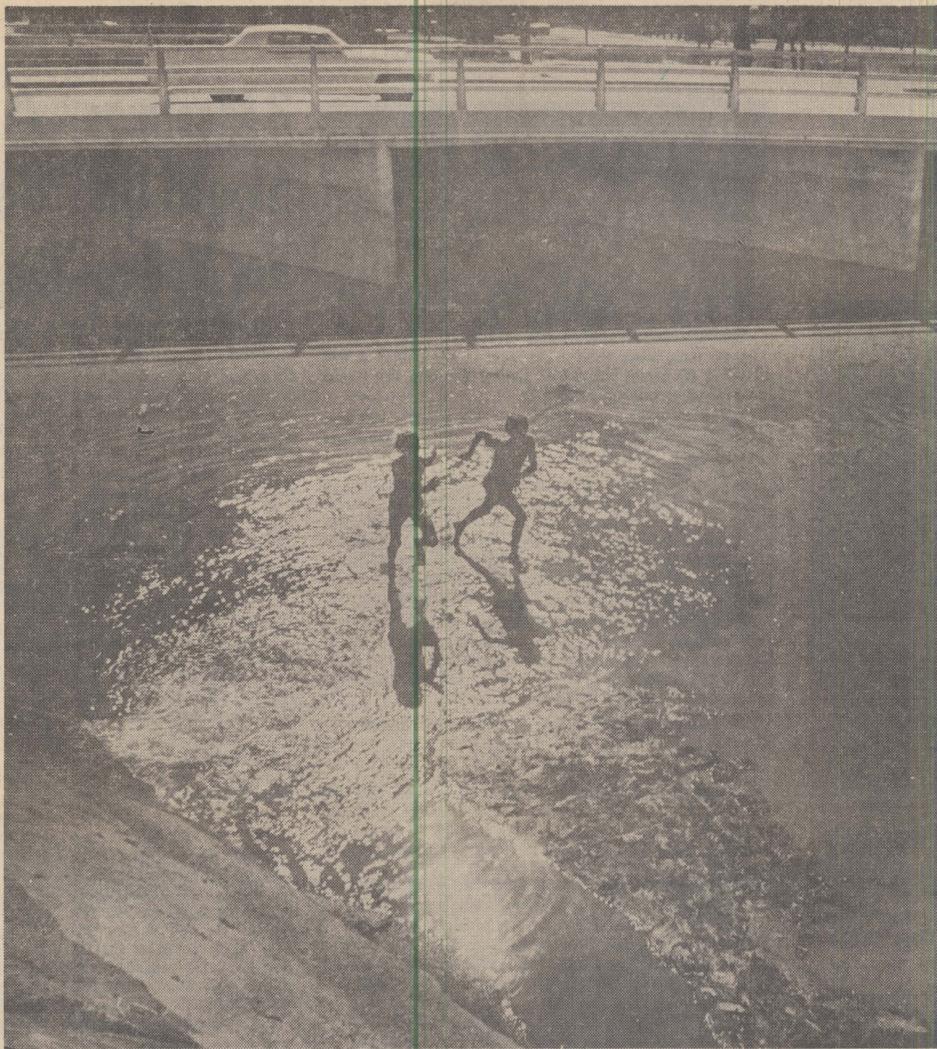
What is certain, at least in Stragier's mind, is that flood control is not possible unless "you have citizen support."

Warm sunshine didn't immediately dry up Thursday's heavy rains. At right, motorists drive through ankle-deep water at Tempe underpass late yesterday afternoon. Below, Mrs. Kenneth Charles DeMas, 4401 N. 12th St. surveys possessions she had to move outdoors when flood water covered her apartment. She said she lost a \$400 stereo set and about 50 LP albums as well as food, clothing and furniture in the flood.

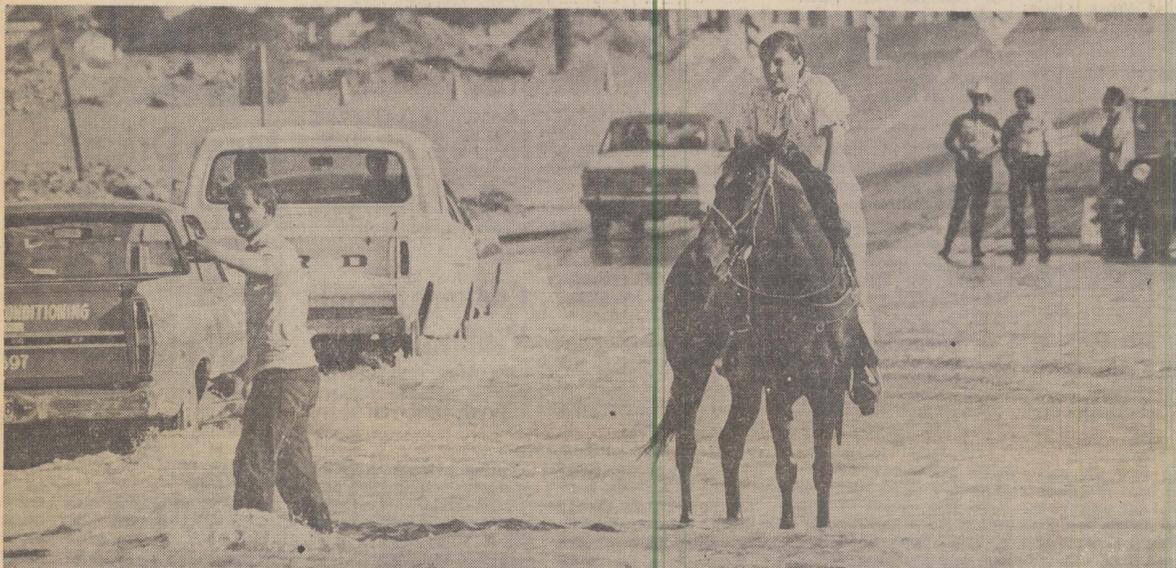
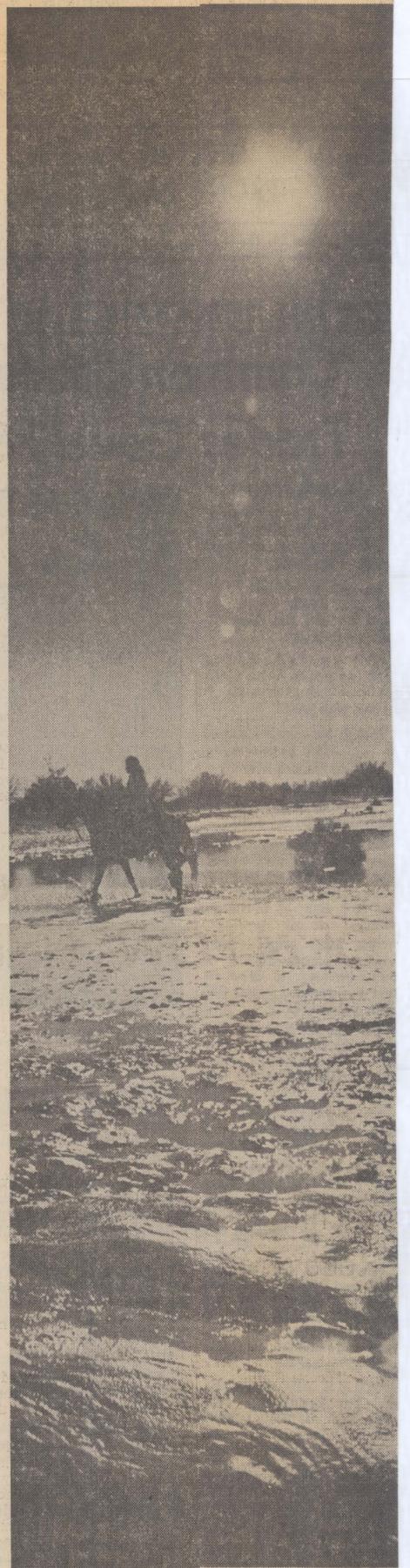


Cars, Horses Ford Flooded Roads

Photos
by
Tim Rogers



Large puddles are an Arizona child's rarely realized dream. At right, two Scottsdale boys run through Arizona Canal at 68th Street and Indian School Road. Below, Michael Standon, 16, and Patti Tekniepe, 15, on her horse "Snip" help direct traffic at Scottsdale Road and the riverbed. At far right, horse and rider enjoy a stroll across mud flats at Scottsdale Road and the river bottom.





RIVERBED CROSSING — Friday afternoon when traffic again began using Scottsdale road at the point where it crosses the riverbed of the Salt, water was still rushing

down the river. Road crews scraped out collected debris prior to allowing the adventurous to cross the waterflow on this northern exit of Tempe as well as Hayden Road.

Harold McGinnis photo

Agencies defend actions during flood emergency

Government authorities generally offered a "we did the best we could" response yesterday to queries about their agencies' effectiveness in the aftermath of the midweek storms.

City, county and state officials in charge of emergency services during the flooding said they were pushing their crews to the utmost, but that the suddenness of the downpour and its destructive runoff were extremely difficult to counter.

One of the officials in a key spot was Col. W. E. Eldridge, who ran the city-county effort from his concrete bunker atop a hill near 52nd Street and McDowell.

All through Thursday, his staff answered 18 telephones—sometimes 20 or 30 calls per hour—to put help where help was needed.

He reacted sharply to questions that coordination might have been lacking.

"I'm not making excuses, because it's my responsibility," Eldridge said, "but you have to meet the situation as it comes.

"You can work things fine on paper, but when you have to make a call and a telephone exchange is overloaded, then you can't make it work," he added.

His chief aide, Howard Ryder, chimed in, "We got no calls from any city that were not answered; we made no request for aid that was not immediately given."

Eldridge later acknowledged, "The coordination that we thought would work top-flight needs to be beefed up."

Among those who felt in the dark about what was happening was the state's top coordinator, Col. Carl E. Smith, director of the State Division of Emergency Services.

"I just couldn't get the information I needed," Smith said as his office came down to low-gear yesterday.

To which Ryder replied, "We were fighting fires, trying to correct problems as they came. Sometimes you don't have time to tell the state what the situation is."

Smith, who felt the 1967 snowstorm created worse problems for him, faced the first major disaster since his former Civil Defense Agency was beefed up and revamped last year.

He said he felt the lack of coordination and conceded that "we found a lot wrong with our own internal operation which we will correct."

Smith said he will put in an emergency operations room where all the information about stranded motorists and needy homeowners can be funneled to one man.

"I was surprised at how many people from the City of Phoenix — high officials — called the state to find out what was going on in their own city," Smith added.

Phoenix City Manager John Wentz responded that "we wanted to make sure that we were all going in the same

direction . . . There might have been some concern on the part of (state) Civil Defense that we didn't wait around for them to tell us what to do."

Wentz said the city was all ready to meet flooding problems, adding, "This was just an extension of a water main break."

His overall assessment: "We wouldn't want to say we did everything perfectly, but we think we struggled through in a pretty credible fashion."

Police Chief Larry Wetzel, who put 220 men on the street to help evacuate flooded residents and direct cars through flowing water, said, "I think, considering the short period of time, we were pretty well on top of it. If we had any problem at all, it was lack of manpower."

Much of the volunteer and official manpower that was offered was used, but some of it wasn't.

Smith disclosed that the U.S. Office of Emergency Planning at San Francisco offered to set up a disaster coordinating office here, but Smith told the federal officials they would be "wasting their time."

Justin Herman, state highway director, said he offered highway equipment and manpower but nobody took him up on the offer.

A few National Guard vehicles, men and helicopters were used, but no general use of National Guard facilities was made.

"It was our appraisal," Wentz said, "that, with the time it takes to muster the men and get them to the right places, we could do better by using our own forces."

Scottsdale Police Capt. Mike Gannon said his men had no trouble getting help from the county-city command post, but said officials will sit down when there is no longer an emergency to determine if any changes should be made.

Among those who declined the Highway Department help was the Salt River Project, which suffered four breaks and 10 overflows along its irrigation canal system, adding greatly to the flooding.

SRP spokesman Lee Athmer revealed that Smith didn't offer the equipment and National Guard help until 4:45 p.m. Thursday, and by then the SRP and Phoenix dump trucks had provided enough dirt to close the holes.

Athmer said SRP engineers started diverting water out of the canal system, and down the normally dry Salt River bed as soon as they detected a problem. The first diversion came at 6:51 a.m. Thursday from Evergreen wasteway, and was followed later by others.

"We had immediate runoff from a large amount of rainfall and immediate problems," he said. "We took the actions that were possible as soon as possible."



Arizona Public Service executives Henry Sargent, Jerry Human and Ray Walker inspect fallen utility pole on E. Shea

Lights on in Valley; utility firms start repair work

Electrical service for virtually all Valley residents should be back to normal today.

Arizona Public Service Co. officials termed the damage from Wednesday's and Thursday's storms "the most severe that APS has ever experienced."

The Salt River Project reported extensive damage to canals and power lines. Mountain Bell reported extensive damage to telephone equipment. All three utilities said further repairs will be necessary even after service is restored to all residents.

APS officials said they could give no estimate of the cost of the damage that forced rewiring of large parts of the northeast section of the Valley.

Mountain Bell officials estimated damage, including that in other parts of the state, at \$1 million. Sixty per cent of this was in the Valley, but more than half of the local damage was of the sort that didn't interrupt telephone service, the company said.

The SRP suffered extensive damage to irrigation canals and only minimal power system damage. Officials could give no cost estimate.

APS sent more than 500 workers into the northeast Valley area and other hard-hit locations to restore service, using all locally based crews and importing additional crews from Yuma, Flagstaff, Holbrook, Winslow, Prescott and the firm's western division headquarters in Goodyear.

In addition, APS used a number of crews from the SRP.

Many of the crews worked 24-hour shifts to restore service in areas where

wind, rain and floodwaters downed power poles, gnarled transmission cables and flooded underground switching equipment.

Other APS crews were dispatched to the Eloy-Toltec-Arizona City area, where a tornado downed scores of power poles Wednesday night.

W.P. Reilly, APS president and chief executive officer, said the utility suffered more power outages in a shorter period of time and of a more complicated nature than ever before.

At the height of the storm early Thursday, APS reported seventeen 12,000-volt feeder lines were out of service, bringing major power interruptions to several Valley areas.

In the Paradise Valley-north Scottsdale area, many repairs that were made by APS crews working all night Wednesday were smashed down by twister-like winds and floodwaters Thursday morning.

APS received more than 8,500 trouble calls on Thursday, and yesterday had a backlog of 3,000 trouble calls. The first priority for service, officials said, was to restore the company's 12,000-volt distribution system and 69,000-volt transmission system that provides the primary service for the Phoenix metropolitan area.

Phoenix is granted \$160,000 for storm drain

The City of Phoenix has received a \$160,000 federal grant for a storm drain project in south Phoenix, Mayor John Driggs announced yesterday.

The project is intended to relieve storm flooding in the area from Broadway to

Southern Avenue and from Seventh to 19th avenues, he added.

Driggs said the city applied "some time ago" for the grant, which will "match" from storm drain funds approved by the voters in the 1970 bond election, because it was "aware of past flooding in this area, as well as the new residential developments going into the section."

The construction funds will come from the U.S. Department of Housing and Urban Development.

More than \$37 million has been spent on storm drains throughout Phoenix since 1957, Driggs said, and storm drains have been or will be installed in 16 areas below the Salt River or south of the Arizona Canal to the Salt River.

Phoenix voters approved expenditures of more than \$35 million for storm drains in the bond elections of 1957, 1961 and 1970, and \$2 million more in construction was obtained from supplemental federal grants and matching city funds.

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Valley gets its name back

Sunny, warm weather moved into Arizona yesterday from the west, giving storm-swept communities a chance to clear the debris.

The National Weather Service predicted the state would have clear weather for the weekend.

The only exceptions to the clear weather predictions were in Tucson and the southeastern part of the state where the service said there was some chance of rain today.

Meanwhile, Eloy and Maricopa were cleaning up after the high winds and tornado that hit Wednesday, and residents of Paradise Valley and other communities north and east of Phoenix were drying out after the rains and floods of Wednesday night and Thursday morning.

In Eloy, the manager of the town's only lumber yard, Clifford Calkins, said his firm suffered an estimated \$25,000 damage to building and contents, but the

firm, Foxworth Galbraith Lumber Co., was doing a land-office business selling roofing, plywood and other building materials to take care of the community's emergency needs.

Officials had estimated 50 homes had damage to roofs and carports.

Russ Coffee, Red Cross representative, said emergency food orders had been issued to approximately 150 tornado victims from the shelter in the Eloy Community Center. He said most victims were apparently staying with relatives or friends.

Officials on the Ak Chin Indian Reservation, near Maricopa, said approximately four homes, recently built as a self-help project by the tribe, had been destroyed by the storm and others damaged.

Broken lines and fallen poles had been repaired, officials of Arizona Public Service and the Southern Pacific Railroad said.

He proposed that the flood control project begin at Pima Road and channel water to the Salt River where it would help replenish ground water supplies.

Watery frolic ends in death in Scottsdale

A playful swim in a storm-swelled wash ended in death for a Scottsdale man, police reported yesterday.

Scottsdale police and sheriff's divers yesterday afternoon recovered the body of Carl Morris Wilson, 30, of 7440 E. Thomas, from a wash near the 13th green of Villa Monterey Golf Course, 7979 E. Chaparral, Scottsdale.

Wilson and Keith Brockmann, 24, also of 7440 E. Thomas, reportedly vaulted a fence Thursday, ran laughing across the course, and leaped into the wash to swim as a club official shouted at them to leave, police said witnesses told them.

"They had no business being there at all," said Scottsdale Sgt. Tom Clark.

Police said that Brockman told them he heard Wilson cry for help and saw him go under, but couldn't get to him in the surging waters.

A rescue team alerted by course officials saved Brockmann, but could find no trace of Wilson.

BIA office suffers \$17,000 flood loss

Flooding in the basement of the Bureau of Indian Affairs Office at 124 W. Thomas may have caused more than \$17,000 in damage to vehicles and civil defense supplies, a federal official said yesterday.

Damaged in the basement, which was filled with water to street level, were five government cars, two privately owned autos, a new pickup, and enough civil defense supplies to feed 1,420 people, said Richard Hathaway, buildings manager in the Phoenix area for the General Services Administration.



Paula Hinds, 17, of 6530 E. Shea, sits at drums, her practice sessions cut short, while her family

moves out of its house demolished by high winds. She has been playing drums for five years.

Republic staff photo

Flood control plan proposed by congressional candidate

A proposal to have the U.S. Corps of Engineers take over the canal system in north Phoenix and Scottsdale and convert it into a flood control project was made last night by Curtis Nordwall, Democratic candidate for Congress from District 4.

Nordwall, speaking at St. Jerome's Catholic Church, 3440 W. Desert Cove, proposed that Congress compensate the Salt River Project for the extra cost of

using wells and pumps to supply irrigation service to the small agricultural area south of the canals.

He said the change of the area from an agricultural district to an urban area makes it feasible to convert the canal system to a flood control project.

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Sun Emerges In Wake Of Storm

By CORKY SIMPSON

Sunny, blue skies smiled down on mud-covered, flood-ravaged Phoenix and the Valley today.

"It looks like it's over," said Robert S. Ingram, head meteorologist with the National Weather Service here. "We're calling for sunny and warmer weather through tomorrow."

Those who could went back to their homes to pick up the pieces after one of the worst storms in history. Cleanup, rebuilding and insurance inquiry work began early today.

MEANWHILE, authorities searched for a drowning vic-

More News, Pictures
On Pages 24, 25,
Second Front Page

tim — apparently the first death attributed to the storm.

Police ordered skin divers to search a small lake on Villa Monterey Golf Course where a man reportedly drowned yesterday.

Keith Brockman, 24, of 7440 E. Thomas Road, Scottsdale, reported the man missing today. He said the incident happened yesterday afternoon when Carl Wilson, 30, a visi-

tor from Detroit, and Brockman were near the lake together.

Brockman did not explain why he didn't report the incident yesterday, police said. The lake is about 200 feet in diameter and at least 15 feet deep. It is completely filled since the rain, they said.

DAMAGE will run into the millions of dollars in Phoenix and the Valley. In some areas of northeastern Phoenix yesterday, downpours dumped 3 to 4 inches of rain in slightly more than two hours.

Furniture floated inside homes and apartments, automobiles were washed away down over-flooded canal

banks and the walls of canals throughout the northern part of town gave way to add to the flooded conditions.

Streets caved in, motorists were forced to swim from their stalled automobiles and law enforcement agencies broadcast appeals for people to stay home from work.

Deserts of central Arizona, parched for the first half of 1972, were turned into swamps in an hour's time yesterday morning, as a massive storm drove northward from Baja California.

Widespread damage was reported from the storm

Turn to ●VALLEY, Page 4



Gazette Staff Photo by Ed Gray

NEIGHBORHOOD BECOMES SWAMP

Floodwaters run curb-to-curb and, in some cases, doorstep-to-doorstep in this north Scottsdale residential area. Aerial photo shows hopelessness of the situation as residents waded and swam from their homes to safety yesterday.

'YOU WANT TO BAWL'

Storm's Misery Described

By LOIS BOYLES

"Our loss was so minor I feel somehow ashamed to have come out of the storm in such good shape."

This is the way Max Downey, 4602 E. Clinton, felt today on viewing the devastation around him.

The plant superintendent for the State Fairground lives just north of Shea Boulevard and west of Tatum.

HOUSES ON all sides of his home were hit hard, Downey said. "The next door neighbors were injured when their

living room ceiling fell on them. It just dropped right into the room."

Downey said many of the woman's teeth were knocked out. The man suffered a broken leg.

"I don't know how to describe all this. You can't comprehend it by reading articles. It just makes you sick. You want to bawl. People have such a helpless look."

Blocks north of Downey, Mrs. Ed Carnell, 4625 E. Cholla, told how her home escaped Wednesday's tornadic winds but was filled with wa-

ter seeping from underneath baseboards during yesterday's storm.

"HALF THE desert is in our house," she said. "Our sunken living room was a wading pool and there was about one-and-a-half inches of water all through the house."

The family spent from noon until 8 p.m. shoveling out mud and silt in an effort to keep damage to a bare minimum. Still facing them is the job of uncovering driveway and patio from the many-inch thickness of sand.

Downey spent much of yesterday riding his mare around the neighborhood checking on residents and trying to help wherever possible.

"I could only go so far," he said, "The mare kept sinking in the mud."

AFTER PULLING his horse to drier ground on one occasion, Downey said he tried to help a distraught man cross a wash.

The mare "went down again," however, and the trip was abandoned.

Downey said another man tried to swim across a 300- to 400-foot expanse of swiftly moving water which ran five to seven feet deep at times in an effort to reach his family on the other side.

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Turn to ●VALLEY, Page 4



NEIGHBORHOOD B

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"He got out 30 feet or so and realized he couldn't make it," Downey said.

DOWNEY, who is on a week's vacation to paint his home, said he met another man who had just flown into Phoenix and had spent two hours just getting from the airport. He carried a roll of plastic which he apparently expected to use to patch up his roof. Downey said the neatly dressed businessman said his "wife told me the roof had blown off."

Downey told of one woman anxiously awaiting word of her two boys who were "trapped in a canyon." Another woman was helped from a car full of water while insisting "I've got to get down and see my daughter."

Downey reported two 16-year-old girls went into one house filled waist-high with water to bring out a mother and baby because the woman indicated she was too frightened to leave.

"EVERYTHING east of us was devastation," said Downey. He said the street was gone, power poles were snapped off and, in some places, water was over the tops of cars.

With most people vitally concerned over damage and

Turn to ●MISERY, Page 4

● VALLEY FLOODS

(Concluded From Page 1)

throughout the south central portion of the state. There have been injuries but no deaths.

Phoenix' vast system of irrigation canals suffered countless ruptures from Sunnyslope in the north through sections of central Phoenix and into the northeast.

IN GENERAL, the northeast section of metropolitan Phoenix appeared to be the hardest hit by the floods.

Only the night before — first day of summer — tornadoes ripped through north Scottsdale and parts of Paradise Valley, popping roofs off fashionable homes and driving nearly 100 families to emergency shelters.

Those high winds sucked up the moisture-laden tropical air from Baja — the air that brought the rain.

"A wall of water just broke right through and we were caught under the cement wall," said Ruel A. Sports, as he waded through the sunken living room of his \$44,500 home at 5001 N. 38th Place.

HUNDREDS of other homes had instant "sunken living rooms."

Governor Williams placed the Arizona National Guard on alert. Guardsmen and men from Luke Air Force Base have pulled and airlifted flood victims to safety.

Freeways which form a semicircle around west Phoenix were closed much of yesterday and police said the usually busy thoroughfares "looked like parking lots."

A Maricopa-Black Canyon Freeway stretch from 19th Avenue to Van Buren was still closed this morning. Elsewhere, both links were open.

HAYDEN ROAD near the Scottsdale-Tempe boundary was closed this morning as the normally dry Salt River bed flowed freely.

In Scottsdale, most major arteries were open, according to Maricopa County Sheriff's Office. Shea Boulevard remained closed, as well as Indian Bend Road, Roosevelt and McKellips.

In Paradise Valley, Doubletree Road from 56th Street to 64th Street was closed, as well as Stanford from 40th Street to 36th Street. Travel on Lincoln Drive was restricted to residents only. Power lines were down on Lincoln Drive.

The only two roads open today to Luke Air Force Base were Indian School and Grand Avenue.

More than 50 families in the Valley were left homeless, deputies said.

COMMUNICATIONS problems piled up yesterday as thousands of telephone calls swamped law enforcement and emergency agencies. Adding to the problem were mechanical failures suffered

throughout the day by Mountain Bell Telephone Co.

Hundreds of homes were without electricity.

Health officials advised citizens in heavily-flooded sections to boil their drinking water before consuming it, due to pollution.

Hundreds of teen-agers and college students gathered at Scottsdale Stadium to fill burlap bags with sand for distribution to residents of flooded neighborhoods.

A spokesman for the Maricopa County Health Department reported many calls regarding the need for typhoid shots. At present, he added, the shots are not needed.

● MISERY

(Concluded From Page 1)

the cost to make repairs, Downey warned that snakes might be a more acute danger.

"I saw two swimming rattlers and one dead one yesterday," he said. "This is something people should be more aware of. This is snake country."

He said the number of planes and helicopters in the area yesterday made it "look like Vietnam."

AND THERE is no question that the deluge resembled an Asian monsoon.

Mrs. Archer McNeil, 6810 N. 24th Place, north of Lincoln Drive, reported 4.5 inches of rain in her gauge from 3 p.m. Wednesday to 3 p.m. yesterday.

She said she hopes it will never register that much again. A four-year resident at the site, Mrs. McNeil said the previous high was 2.72 inches on Labor Day several years ago when flash flooding did much damage in Arizona.

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FLOOD CONT. DIST.

Mesa Tribune

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SINGLE COP

Valley Flood Water Drops

By THE ASSOCIATED PRESS
Flood waters receded early today in Scottsdale, opening most major streets to traffic, but the Maricopa Freeway in southwest Phoenix and many roads in rural areas remained closed where they cross flooded washes.

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The central Arizona deserts, gripped for nearly six months by a record-breaking drought, turned into marsh lands overnight Thursday as a massive storm rumbled northward into the state from Mexico.

The National Weather Service said that more showers could be expected statewide today.

Storm damage throughout the state has been estimated in the millions of dollars. There have been injuries but no deaths.

In the Phoenix area, a vast system of irrigation canals, fed by floodwaters from nearby mountain arroyos and creeks, spilled over their banks and began collapsing Thursday, flooding hundreds of residential homes, snarling traffic and creating widespread power outages.

"A wall of water just broke

right through and we were caught under the cement wall," Ruel A. Sports said while sloshing through the sunken living room of his \$44,500 home.

Police reported scores of minor injuries, but early reports of drownings and electrocutions proved false.

Gov. Jack Williams placed the Arizona National Guard on alert. Guardsmen and men from Luke Air Force Base have pulled and airlifted flood victims to safety.

Freeways which form a semi-circle around west Phoenix were closed much of Thursday and police said the usually busy thoroughfares "looked like parking lots."

The water stood eight inches deep in Mrs. Katie Munguia's South Phoenix home, and all she could say was, "I just don't know what I'm going to do."

"I wish they'd stop that," she said, gesturing toward an intersection flooded by canal waters. "I guess all the canals are flooded, but I wish they'd do something."

Travel in many parts of the area was back to near-normal conditions Thursday night. And except for a few areas, power companies said that electrical service was restored or would be restored early today.

Water Carefully Picks Way



DOWNTOWN—This is the view of the main street of downtown Scottsdale after torrential rains struck the area Wednesday night and again early Thursday. The entire Scottsdale area was closed off to traffic because of extensive flooding. (AP Wirephoto)

THOUSANDS of residents began today in Scottsdale, opening most major streets to traffic, but the Maricopa Freeway in southwest Phoenix and many roads in rural areas remained closed where they cross flooded washes.

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Water Carefully Picks Way Down Dry Salt River Bed

They may have expected to see a roaring wall of water forcing its way down the Salt River bed yesterday afternoon, but all the dozens of spectators standing at the Country Club Drive crossing north of Mesa were treated to a slow moving stream that carefully picked its way toward Tempe.

Unlike 1965 when days of heavy rain forced Salt River Project to open the gates at Granite Reef Dam northeast of Mesa and the force of the river knocked out pieces of Country Club Drive as well as other road crossings, yesterday's deliberate flow slowly sought the lower ground filling up holes as it meandered toward the Mesa-Scottsdale highway link.

When the water did reach the huge concrete culverts under Country Club yesterday it harmlessly slipped through the pipes and began filling up holes gouged deep by gravel pit operations in the river bed west of the crossing.

Dozens of spectators lined up

to see the rare sight, many waiting as much as an hour, while Maricopa County Sheriff's deputies and special enforcement officers kept a close watch of the progress of the stream's path.

Mesa police erected barricades at Alma School Road north of McClellan before the river reached the central and western parts of Mesa shortly after 5 yesterday afternoon.

Debris, which usually causes problems when it blocks the water's flow at bridges and culverts, apparently was limited to only a few tin cans and tumbleweed that rode the main body of water down the craggy canal and on toward Tempe.

Heavy rains which flooded much of Scottsdale and Paradise Valley and isolated Cave Creek and Carefree combined with a release of water down the Verde River from Bartlett Dam which was opened before the storm, forced SRP to open the Granite Reef Dam gates again yesterday.



DOWNTOWN—This is the view of the main street of downtown Scottsdale after torrential rains struck the area Wednesday night and again early Thursday. The entire street is closed to traffic because of extensive flooding.



SALT FLOWS AGAIN—Heavy rains north and east of Scottsdale and water released from Bartlett Dam earlier this week were released from the Granite Reef Dam, yesterday and arrived at Country Club Drive and the river bottom shortly after 5 yesterday afternoon. The slow flowing stream disrupted traffic on Country Club into flooded Scottsdale but other rivers crossings west of Mesa were not blocked. (Tribfoto)



Republic staff photo

Adair Sports wades through water flowing in through front door of his home

3rd flood -- 3rd family -- same house

By JANA BOMMERSBACH

It doesn't pay to live at 5001 N. 38th Place.

A third family found that out yesterday morning as water and mud from the Arizona Canal flooded their home, literally destroying anything that wasn't fastened to a wall.

When the Ruel A. Sports family moved into the house last July, no one mentioned that the two previous owners had been flooded out. A neighbor finally told them about the danger, and yesterday they found out what he meant.

Scrambled eggs were in the skillet and a can of peaches had been opened for breakfast around 8 a.m. Mrs. Sports was standing at the kitchen window, watching her husband and two sons outside in the rain as they nailed shut a gate in the white cement block wall that surrounds their \$44,500 home.

"A wall of water just broke right through and we were caught under the cement wall," her husband recounted yesterday afternoon while sloshing through his sunken living room filled with overturned furniture and a smashed spinet piano.

"I just grabbed the boys and ran to-

wards the house," he remembered, still amazed that a gash on his leg was the only injury from the demolished 7-foot-high wall.

Mrs. Sports and her daughter scrambled to the front door, which already was partially blocked by water gushing through an arcadia door it had smashed.

"We were in the front and I couldn't get around to the back to see if they were all right," she remembered. "I didn't even know if they were all right," she repeated, pausing for a second to rethink the anguish of those "few minutes" that tore apart her three-bedroom home.

By midafternoon, the water had subsided, but it left behind a filthy sludge

that clung as high as 3 feet up the walls.

"My new chair," Sports lamented, as he pushed on a leather recliner that the water had forced across the paneled family room.

Both the refrigerator and freezer were toppled and every room had been rearranged by the ferocious water. Mrs. Sports discarded the jacket of a record — "They all were washed out of their jackets" — and her husband bemoaned that his Father's Day present of a new golf bag was floating around in his son's room.

"I haven't been able to call my insurance agent because the phone doesn't work," Sports said. "I recently asked

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More
about

3rd family is flooded out of house

Continued from Page 29

him if there was any kind of flood insurance, and he was looking into it."

But on thinking it over, he wasn't sure that a broken canal was the same thing as a flood.

"We've been trying to get something done about this for a long time," remarked neighbor John A. Langston, whose home across the street suffered no damage. "I've seen all three floods in that house. The first one had about 28 inches of water and the second around 24 inches, but this was the most severe I've ever seen."

Lanston said the neighborhood had asked the city to reinforce the cement block walls that line all the houses on Sports' side of the street, but the mayor sent us a letter saying no."

A neighbor down the street was the one who finally told the Sports family about the flood danger. Yesterday she was thinking about circulating a petition against the Salt River Project for "not controlling the canal."

When Sports came to Arizona last year to establish the U.S. Customs port of entry office at Sky Harbor International Airport, he found his home through a listing with the Heineman Realty Co.

"Neither the company nor the former owner ever said anything about flooding," he said.

Syl Heinemann, owner of the company, said his firm also did not know about the previous floodings. "The former owner never mentioned it to us," he said, "but of course, who'd expect anything like this?"

The house was sold, through multiple

listing, by the Sunland Realty Co., which could not be reached for comment.

Sports said he contacted both the city's engineering department and the Salt River Project about any possible danger of flooding.

He related that the engineering department told him about plans for a diversion canal expected in the next three years while the Salt River Project "gave me no information at all. They didn't even know whom to refer me to."

Neighbors were taking the Sports family into their homes last night. Mrs. Sports was worried about leaving the house open and unguarded.

"There's nothing here for anyone to take," he husband reminded her.

She smiled that brave smile of "I know," as her eyes got misty.



The Ruel A. Sports family, from left, Rhonda, 16; Mr. Sports; Adair, 10; Bert, 19; and Mrs. Sports, stand in knee deep water that flooded their \$44,500 home that has been damaged three times by floods.





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Air Force rescue helicopter picks up man stranded by flood waters at Chaparral Road and Indian Bend Wash



Debris surrounds cars at home of Mr. and Mrs. S.G. Reque, 6219 E. Clint



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A HELPING HAND — in the form of a four-wheel drive vehicle with a tow chain was extended to a man stranded in the raging waters of the Salt River on Hayden road, when

the Salt River Project released water back into the dry bed to relieve pressure on the already-damaged canals in Phoenix.

Tempe Daily News 6/23/72



NO KIDDING — flood waters raged through the Valley area on Thursday, following a devastating storm that inundated parts of Phoenix, Paradise Valley and Scottsdale. Water was released back into the Salt River, causing roads to be closed that cross its bed. Sign in photo above could be called the understatement of the year.

'Wait until it dries'

South Phoenix takes flooding in its stride

By ATHIA HARDT

The water stood 8 inches deep in Mrs. Katie Munguia's south Phoenix home, and all she could say was "I just don't know what I'm going to do."

She waded through the water, which poured into her house at 1417 S. 13th St. early yesterday morning in the wake of the storm that struck rich and poor Valley residents indiscriminately.

Although downpours in south Phoenix generally were not nearly so heavy as those to the north, there were pockets of flooding throughout the area as rainfall accumulated and as overflow from the brimming canals to the north swept into and then out of irrigation ditches.

"I wish they'd stop that," Mrs. Munguia said, gesturing towards an overflowing irrigation box at the corner of 13th and Yuma streets that was adding water to her troubles.

"I guess all the canals are flooded," the mother of seven said. "But I wish they'd do something."

Her youngsters joined neighbor friends in splashing in the water that not only flooded their homes, but also several outhouses in the area.



Mrs. Katie Munguia

One caught a small fish and put him in a jar with water. Another befriended a tiny, soaked bird that shivered in his hands.

Mrs. Iva Mae Valencia, 1421 S. 13th St., shook her head in wonder at the squealing group of children that included several of her own eight youngsters.

"They think it's fun," she said.

Carrying her youngest child in her arms, she stood in front of her flooded home and frowned in the direction of the irrigation box that bubbled water continuously.

"The problem is that irrigation canal," she said.

Lorenzo Aragon, 1427 S. 13th St., agreed.

"And I wish they'd barricade the streets," he said. "Every time a car goes by we get more water in our homes."

Aragon, whose home was one of the least severely hit on the street, had most of the water out of his home by noon.

But Mrs. Valencia and Mrs. Munguia said they did not know how they would empty the water that filled all the rooms of their houses.

Mrs. Munguia began to sweep out the water in the living room, but the bedroom, the lowest room in the house, presented more of a problem.

"I guess we need a pump. I don't know," Mrs. Valencia said after surveying her own home and that of Mrs. Munguia.

Neither woman knew how much damage was done to their homes.

Looking at the water that stood stagnant, rippling when a car passed outside or someone entered the room, Mrs. Munguia smiled shyly.

"The TV still works," she said.

She said she would move her family into smaller, drier quarters in a building behind her home while the house dried out.

Mrs. Valencia planned to keep her family where it was. They did not have anywhere else to go, she explained, and there did not seem to be much of an alternative.

The children continued to play while she worried.

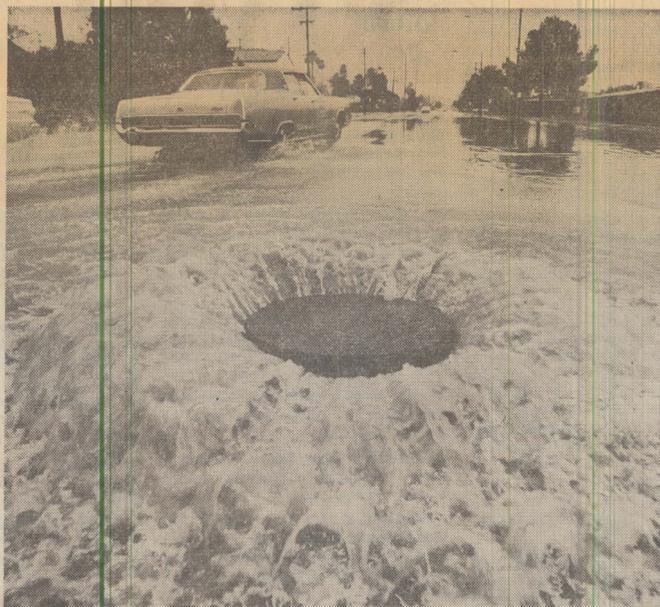
"What do you want me to do, Mama? Cry because it rained?" one of them asked her.

Teresa Morena, 1401 S. 13th St., looked at the soaked neighborhood, cluttered with debris and mud, and said:

"We are just going to wait until it dries up."



Motorists push a stalled dune buggy out of the way of traffic on Central Avenue near Indian School Road while others check auto's engine



Water gushes from overflowing manhole at Third Street and Oak



Water flows through automobiles awash at 12th Street north of Kaler

More about

Emotions from storm

Continued from Page 1

Road; I can't go through Bell; I don't know what the hell to do."

But on 32nd Street near Hearn Road a group of children found Arent's source of frustration an opportunity for frolic.

They sat smiling in a muddy pool of water in the road, flinging mud and water at each other.

Along Greenway Road to the north, the water the children found so inviting tempted several ducks into an alien habitat. Their quacking could be heard through the mesquite of a desert that nature's quirk had turned to a river.

But remembered horror mingled with the lighter moments in the wake of the storm.

In mid-afternoon, Mr. and Mrs. P. E. Robinson, sat behind a table littered with hamburger wrappings, at Cocopah Elementary School, 6615 E. Cholla Road, and told how bad they had had it—and how good.

Wednesday night's windstorm had cracked open their house at 6621 E. Shea Blvd. and sent them and their three boys scurrying to the back bedroom. At first Robinson held a mattress to the wall as his wife tried to get the boys on the floor.

"Then my husband shoved the refrigerator and the freezer into a storage room and set them at angle with the kids in between so if the roof fell in they wouldn't be hurt."

It was fortunate that the parents were even home at all.

"We always go to church on Wednesday night, and take Ted (10 years old)," Mrs. Robinson said. "But when my husband got home last night, I told him I had heard on the news there was a tornado in Tempe, and we stayed. If we had left the baby (Bruce, 4) I'm sure he would have panicked."

Bruce, Ted, and John, 12, clustered around their mother. Last night, they looked forward to sleeping in Salvation Army cots as the Cocopah Refugee center established by Scottsdale authorities rather than their own beds, but their expressions seemed to echo their mother's sentiments:

"I'm just glad we're all together."

They joined some 400-500 other storm victims who made use of the emergency facility yesterday, some of them remaining overnight.

Sun Emerges In Wake Of Storm

By CORKY SIMPSON

Sunny, blue skies smiled down on mud-covered, flood-ravaged Phoenix and the Valley today.

"It looks like it's over," said Robert S. Ingram, head meteorologist with the National Weather Service here. "We're calling for sunny and warmer weather through tomorrow."

Those who could not get back to their homes to pick up the pieces after one of the worst storms in history. Cleanup, rebuilding and insurance inquiry work began early today.

MEANWHILE, authorities searched for a drowning vic-

tor from Detroit, and Brockman were near the lake together.

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Second Front Page

tim — apparently the first death attributed to the storm.

Police ordered skin divers to search a small lake on Villa Monterey Golf Course where a man reportedly drowned yesterday.

Keith Brockman, 24, of 7440 E. Thomas Road, Scottsdale, reported the man missing today. He said the incident happened yesterday afternoon when Carl Wilson, 30, a visi-

tor from Detroit, and Brockman were near the lake together.

Brockman did not explain why he didn't report the incident yesterday, police said. The lake is about 200 feet in diameter and at least 15 feet deep. It is completely filled since the rain, they said.

DAMAGE will run into the millions of dollars in Phoenix and the Valley. In some areas of northeastern Phoenix yesterday, downpours dumped 3 to 4 inches of rain in slightly more than two hours.

Furniture floated inside homes and apartments, automobiles were washed away down over-flooded canal

banks and the walls of canals throughout the northern part of town gave way to add to the flooded conditions.

Streets caved in, motorists were forced to swim from their stalled automobiles and law enforcement agencies broadcast appeals for people to stay home from work.

Deserts of central Arizona, parched for the first half of 1972, were turned into swamps in an hour's time yesterday morning, as a massive storm drove northward from Baja California.

Widespread damage was reported from the storm

Turn to ●VALLEY, Page 4

'YOU WANT TO BAWL'

Storm's Misery Described

By LOIS BOYLES

"Our loss was so minor I feel somehow ashamed to have come out of the storm in such good shape."

This is the way Max Downey, 4602 E. Clinton, felt today on viewing the devastation around him.

The plant superintendent for the State Fairground lives east north of Shea Boulevard and west of Tatum.

HOUSES ON all sides of his were hit hard, Downey said. "The next door neighbors were injured when their

living room ceiling fell on them. It just dropped right into the room."

Downey said many of the woman's teeth were knocked out. The man suffered a broken leg.

"I don't know how to describe all this. You can't comprehend it by reading articles. It just makes you sick. You want to bawl. People have such a helpless look."

Blocks north of Downey, Mrs. Ed Carnell, 4625 E. Cholla, told how her home escaped Wednesday's tornadic winds but was filled with wa-

ter seeping from underneath baseboards during yesterday's storm.

"HALF THE desert is in our house," she said. "Our sunken living room was a wading pool and there was about one-and-a-half inches of water all through the house."

The family spent from noon until 8 p.m. shoveling out mud and silt in an effort to keep damage to a bare minimum. Still facing them is the job of uncovering driveway and patio from the many-inch thickness of sand.

Downey spent much of yesterday riding his mare around the neighborhood checking on residents and trying to help wherever possible.

"I could only go so far," he said. "The mare kept sinking in the mud."

AFTER PULLING his horse to drier ground on one occasion, Downey said he tried to help a distraught man cross a wash.

The mare "went down again," however, and the trip was abandoned.

Downey said another man tried to swim across a 300- to 400-foot expanse of swiftly moving water which "ran five to seven feet deep at times" in an effort to reach his family on the other side.

"He got out 30 feet or so and realized he couldn't make it," Downey said.

DOWNEY, who is on a week's vacation to paint his home, said he met another man who had just flown into Phoenix and had spent two hours just getting from the airport. He carried a roll of plastic which he apparently expected to use to patch up his roof. Downey said the neatly dressed businessman said his "wife told me the roof had blown off."

Downey told of one woman anxiously awaiting word of her two boys who were "trapped in a canyon." Another woman was helped from a car full of water while insisting "I've got to get down and see my daughter."

Downey reported two 16-year-old girls went into one house filled waist-high with water to bring out a mother and baby because the woman indicated she was too frightened to leave.

"EVERYTHING east of us was devastation," said Downey. He said the street was gone, power poles were snapped off and, in some places, water was over the tops of cars.

With most people vitally concerned over damage and

Turn to ●MISERY, Page 4



Gazette Staff Photo by Ed Gray

NEIGHBORHOOD BECOMES SWAMP

Floodwaters run curb-to-curb and, in some cases, doorstep-to-doorstep in this north Scottsdale residential area. Aerial photo shows hopelessness of the situation as residents waded and swam from their homes to safety yesterday.

FLOOD CONTROL DIST. OF MARICOPA COUNTY 3325 W. DURANGO DENVER, ARIZONA 80202

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In wake of tornado, flood

Damage in millions

By JACK KARIE
Progress Staff Writer

Warm Arizona sunshine today was a welcome sight to those digging out from under debris of a tornado and rain-storm which caused damage estimated by city officials at \$30 million to \$50 million.

Mayor Bud Tims said today he considered it a minor miracle that several Scottsdale residents were not killed when the tornadic winds north of Shea Boulevard caused homes to explode in seconds.

After touring the area City Public Works Director Marc Stragier and City Manager Dale Carter agreed it would take weeks to estimate the damage to city facilities, which they said could run into the hundreds of thousands of dollars.

Although there were rumors of several persons being drowned in the raging waters of Indian Bend Wash, there was only one unconfirmed report of a death which caused divers today to search the depths of the lake at Villa Monterey Golf Course.

At presstime today the divers reported they could find no trace of a man from Detroit, Mich., reported to have fallen into the lake at the height of the rains.

Ray Parker, 8, son of Mr. and Mrs. Norwood I. Parker of 6302 E. Aster Dr., was pulled from the flooded waters near Shea Boulevard and 64th Street around 3:20 p.m. Thursday by Scottsdale Rural Firemen who administered first aid. A helicopter was notified and the child was transported to Scottsdale Memorial Hospital where his condition was listed as "stable."

Most of the flood damage was caused north of the Arizona

Canal in homes, resorts and business establishments in the vicinity of the Safari Hotel at 4601 N. Scottsdale Road.

Safari Hotel spokesmen told city officials they estimated damage at the hotel, which was forced to evacuate all guests and close its doors, at \$1 million to \$1½ million dollars. At one time the interior of the hotel reportedly contained up to 2½ feet of water.

City firemen averted a possible major danger to residents and passersby when they removed several hundred pounds of powdered chlorine from the inundated Sun Valley Pool Co. near the hotel.

Robert Barrett Taylor, a 27-year-old Rural Metro fireman, suffered chlorine poisoning as he accidentally lost his face mask while removing the water-soaked bags of chlorine

Vista del Camino area. New homes in the urban renewal area there escaped damage.

The force of the waters surging through the park ripped out sidewalks and new picnic ramadas and heavy picnic tables were floated southward to McDowell Road where they were recovered by city crews and volunteers.

City officials had high praise for Scottsdale Radio Station KDOT and that station's John Rollinson, who manned the city emergency setup at city hall and relayed information to residents of the stricken areas.

Stragier praised Don Martin and his family who own a small ranch near McDonald Drive north of the Arizona Canal.

Stragier said that Martin used his bulldozer to make a break in the banks of the canal to save other residents even though he knew at the time that the resulting rush of water would inundate his own property.

"It took nothing but guts for that man and his sons to cut a hole in the canal bank," Stragier said. "He hesitated at first and refused to make the cut but went on ahead when we told him that the cut would help other residents."

It was only last week that Stragier warned residents north of the canal that they should purchase federally-subsidized flood insurance before the summer rains.

"I don't have any idea of how many of those people followed that advice," he said today. "I've got my people out there now making a survey."

Carter said that most of the city's arterial streets were open today but warned motorists to be careful in traveling over the thoroughfares which had been damaged.

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which have been known to explode or burst into flames when wet.

In arriving at the total damage figure, City Engineer George Ianella said he has been informed that there were about 150 homes destroyed and more than 200 others severely damaged in the vicinity of Cocopah School at 6615 E. Cholla Road.

There were some city officials who said that damages in that area alone probably will exceed \$7,500,000.

City Parks Superintendent Bill Ensign said that the flood in the wash caused "hundreds of thousands of dollars damage" in the relatively new Eldorado Park and at lowlands in the

All is calm at Cocopah relief center

By MAXINE GOODMAN
Progress Staff Writer

An atmosphere of calm prevailed at Cocopah School's storm relief center this morning with a small group of victims leisurely breakfasting in the area of North Scottsdale hardest hit Wednesday night and Thursday morning.

Major Glen Gilden of the Salvation Army said the school accommodated about 70 persons over night in one of the carpeted instructional areas not damaged by water. Five hundred had come to the school for dinner last night and workers served meals until 11 p.m.

Donuts, soup and sandwiches, milk and cereal still were piled high today awaiting residents in need of food or water and a place to stay.

"Firms donated everything from hamburgers to soft drinks and individuals volunteered their homes and medical help," Major Gilden said. "Most of the food was airlifted here since roads were blocked."

Three truckloads of plastic to cover furniture in salvaged homes was provided to residents along with two tankers of pure water and milk.

Major Gilden said the emergency post was geared to house all of the residents hit by the disaster, but persons preferred to stay close to their homes instead of at the school.

One of organization's cooks on duty during the past two days said he was amazed at the cooperation of the victims and others who donated their services and contributions.

"It was a better all-out effort than I saw when the Salt River dams were released in 1965."

"Nurses are still here at the center to give tetanus shots for cuts or punctures," Gilden said. "We expect to keep the center open through tomorrow."

Tonight's guests will have hot water, soap, towels and showers in the physical education building, reported David Wilson, Cocopah assistant principal.

Gilden said approximately 50 Salvation Army workers gave aid, including seven cooks.

Jerry O'Connell, 6411 E. Desert Cove, was at the center this morning with his five-member family.

O'Connell, whose home was uninhabitable due to wind and water damage, stayed at his home Thursday night to prevent looting while his wife and three children spent the night in sleeping bags at the school.

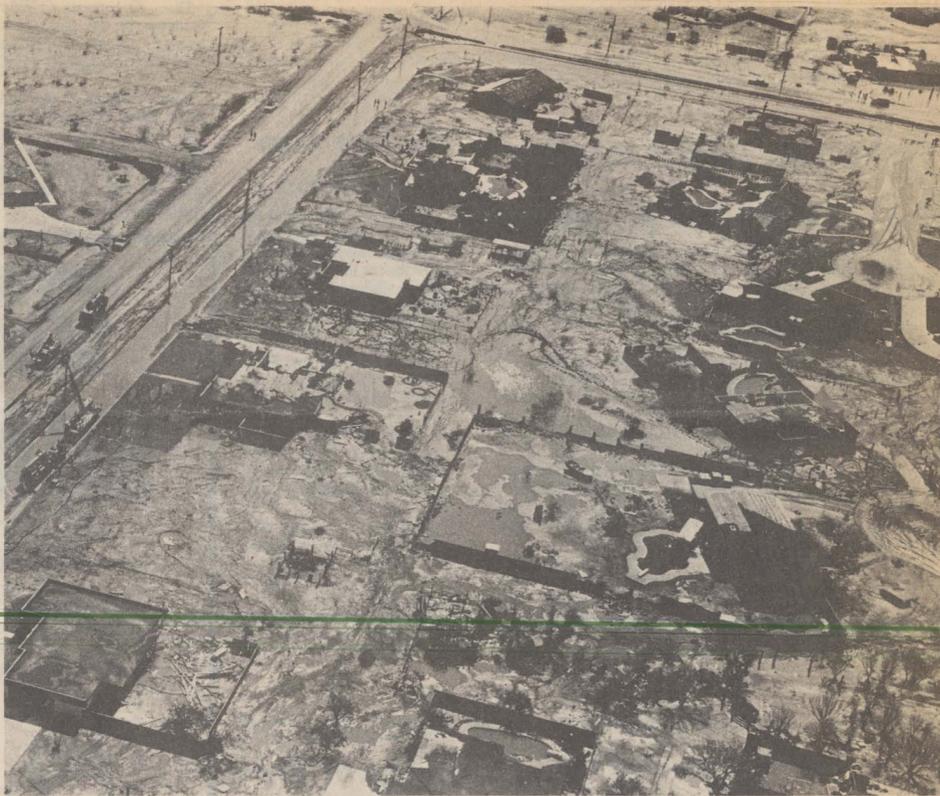
Mrs. Jean O'Connell, said, "We were so tired from Wednesday night that we just sacked out in the building last night with our air mattresses and had little trouble sleeping."

Mrs. O'Connell said friends brought food for 45 persons last night and used the home economics room to prepare the meal.

"Everyone was in the same boat and in fair spirits, just very glad to have warm, dry place to be," she added.

Mrs. Barbara Fullmer, 5501 E. Pershing, said her home suffered minimal destruction, limited to roof shingles, but her family was thrust back to log cabin days without the use of lights and refrigeration.

"We were isolated without any food when the storm struck," the mother of three said. "I usually go shopping on Thursday, so we had no way to get from our house to a market or even Cocopah."



Photos by Lee Pierce

AS THE WATERS began to leave North Scottsdale, left behind was a mass of debris and mud. Effects of the high winds Wednesday night still

can be seen here as parts of homes on Shea Boulevard at 64th Street lie strewn about amid the muck.



SAGUARO HIGH SCHOOL, north of McDonald Drive and on east side of the Indian Bend Wash,

was an island unto itself Thursday as flood waters cut it off from the rest of the city.

City water systems okay

Most Scottsdale residents needn't worry about contaminated water if they get their supply through city systems, Scottsdale and county health officials said today.

The entire Scottsdale city water system has been checked, according to Dan Raby, assistant public works director. "No pipe breaks were found so there is no danger to our drinking water," he said.

"If homeowners pay their water bills to the cities of Scottsdale or Phoenix, there should be no problem," said Eleanor Blanpied, public relations director for the county health department.

County health department engineers are sampling water supplied by private companies including five which serve Scottsdale and Paradise Valley. Readings of tests by the state health laboratory will be available late this afternoon or early this evening, Mrs. Blanpied said.

Persons having private company service are advised to boil water 20 minutes or use bottled water until official word is announced by the health department.

Contamination can result when wells are located near cesspools or septic tanks, Raby said, and suggested that

persons with either try to limit use. Most wells have a required concrete shell to protect from contamination, he added.

Desert Springs Water Co. is telling customers to boil water as a safety precaution but it doubts there is any contamination. The company serves Paradise Valley and parts of Scottsdale in an area roughly bounded by Shea Boulevard on the south, Pima Road on the east, Thunderbird Road on the north and 56th Street on the west.

Mockingbird Water Co. serves county and Paradise Valley areas, plus a few square miles in Scottsdale, located in the Scottsdale and Doubletree Roads area. They are north of Shea to 64th Street and on the west to 48th Street, including Cactus and Mockingbird Lane.

Paradise Valley Water Co. serves a small portion of Scottsdale between McDonald Drive and Indian Bend Road, 70th Street and Hayden Road.

Berneil Water Co. serves part of Paradise Valley and Mockingbird north to Doubletree, also between Scottsdale Road and 64th Street.

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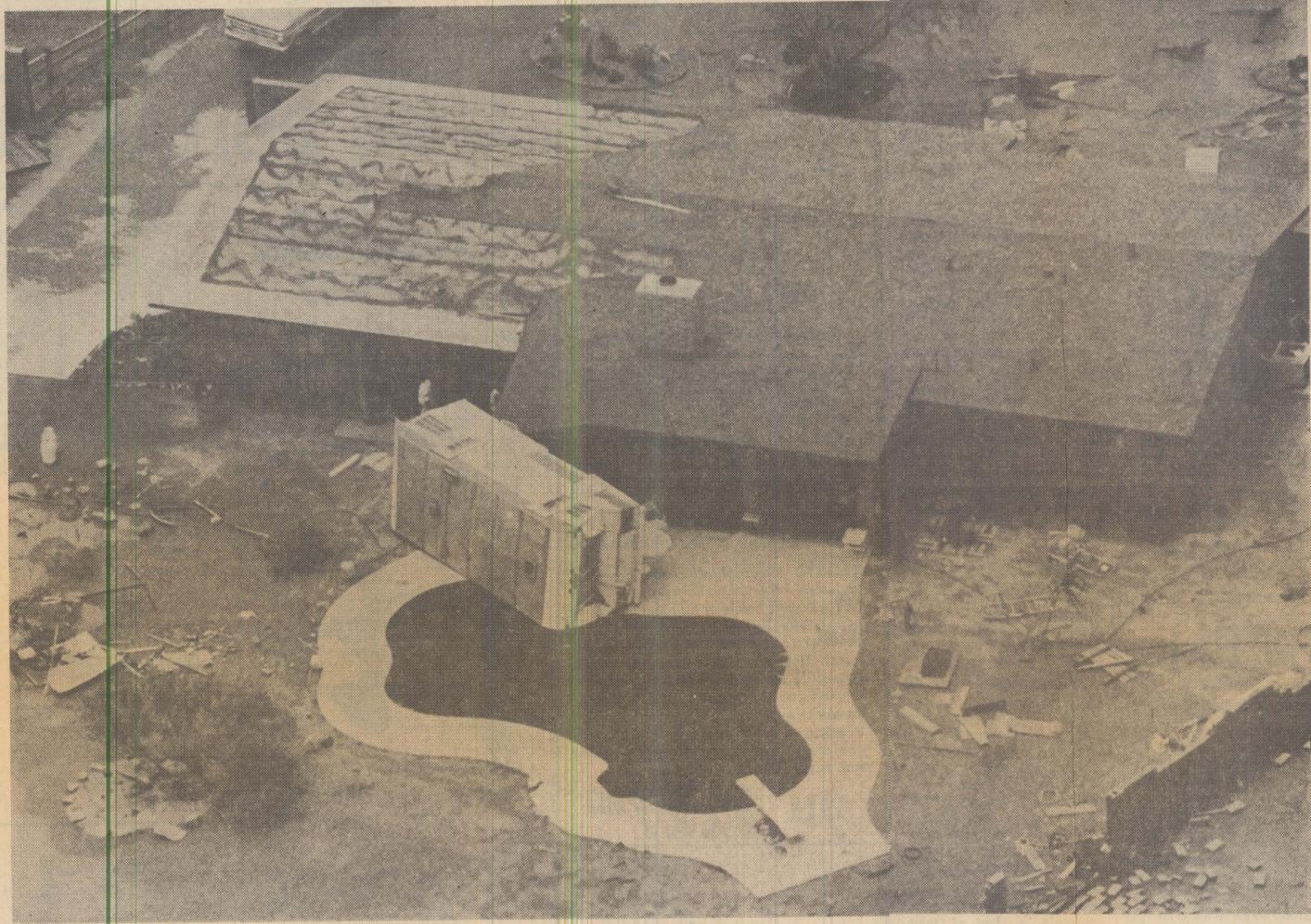
"We are going to give these residents all the help we possibly can," Tims said.

"Every employe in the city has been asked to do everything within their power to help these residents."

Flood-Stricken Arizonans Battle Debris, Mud, Tears



Unidentified youth tows boat for Mrs. Eileen Lotspeich Lamb, 514 W. Hazelwood. Boats were the best (and sometimes, the only) means of transportation for certain areas of Phoenix and the Valley during height of yesterday's floods.



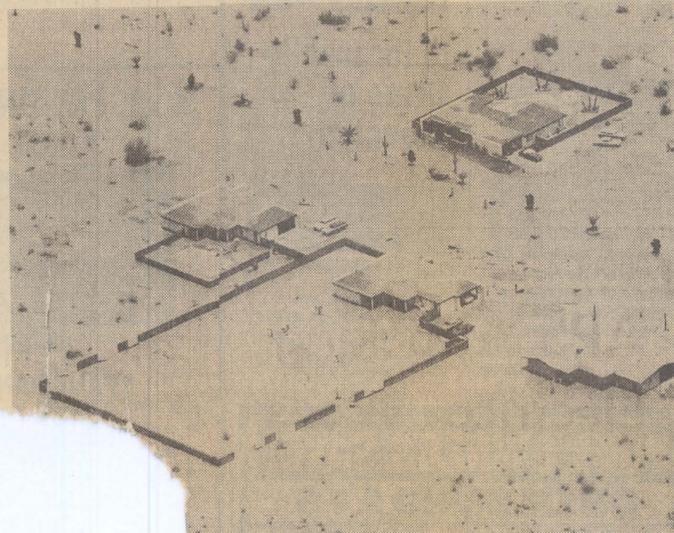
House trailer from neighboring yard rests near pool of heavily-damaged Scottsdale home.



Miniature boat comes in handy for this youngster running errands for parents. Scene is in Phoenix residential area, 1800 block of N. 15th Avenue.



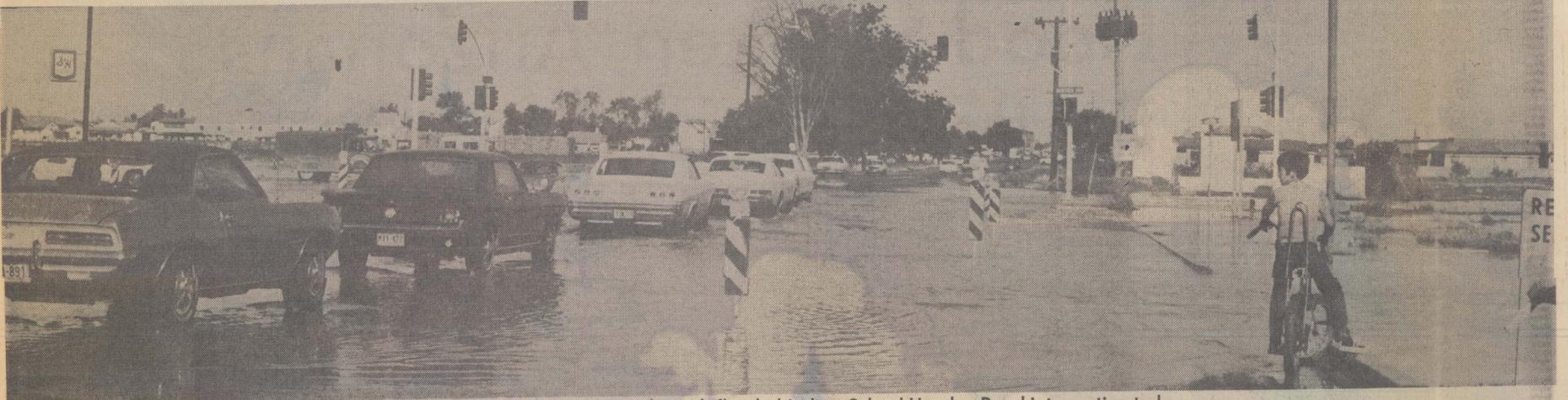
Gazette Staff Photos
By Tim Rogers, Bob Leiby,
Ed Gray And Richard Wisdom



Peek out over flood waters in fashionable north Scottsdale residents' homes were battered first by high winds Wednesday afternoon yesterday.



By violent storms, this Scottsdale house is one of hardest hit in area. Located on 18th Avenue west of Scottsdale Road.



Bicyclist watches traffic creep through flooded Indian School-Hayden Road intersection today.

Never Thought Of This!

By DENNIS FARRELL

When we thought about disasters at our house, which was seldom, we thought in terms of fire.

Somehow, great rivers of water swirling down the street, into your yard and into your house are hard to imagine in dry, dry Phoenix.

BUT IT came yesterday to our house on Campbell Avenue west of 32nd Street.

Let me say at the outset that it could have been much, much worse, but it still was a traumatic experience for my wife and son as they saw the water seeping in every door.

TAKEN completely off guard, they hardly knew what to do first, they said. They tried blocking the doors with towels, but there were too many doors and too much water.

When they saw they were losing, they propped the living room furniture up on kitchen chairs out of reach of the rising water, then ran slashing through the house, pick up shoes on closet doors and anything else they could think of that was down here the water could get to.

NATURALLY, they couldn't think of everything, but they tried. Bed spreads and the tapes in the living room had a muddy six-inch ring on them, showing the high water mark.

As the water receded, it left a one-inch-thick coat of mud everywhere it had been.

That's the surprising thing about a flood, I guess, is that slippery, sticky mud.



Youths row boat in West Lewis between Third and Fifth Avenues.

'WE'RE STILL ALIVE'

Even Flooded Apartment Provides Silver Lining

By JOHN H. VESEY

A rainbow preceded the rain.

"A good omen," I thought. So I woke my wife to share this rarity, then rolled over for an extra half-hour of sleep while she fried some eggs. Didn't have to be at work until 8 a.m. anyway.

I NEVER MADE it. Nor did I get to eat the eggs.

Yesterday was spent watching Mother Nature turn our apartment into an indoor pool.

It didn't come all at once. We watched the water rise in our apartment patio and cover the front walk. We smiled. After all, we needed the rain.

Soon, rain became a foul four-letter word, as we watched the first trickle turn our gold carpet a muddy brown.

IT WAS in our apartment. Our apartment. Where it didn't belong.

"It'll stop," I assured her.

It didn't. Lightning jammed gaping holes into the clouds and seemingly dumped every ounce of rain on our roof.

"I'll be a little late," I told my boss over the phone. "Water's coming in our apartment. Guess we can forget our golf game."

Then my wife and I started stuffing every towel and blanket we owned under the front door and rear sliding door. This slowed the rising stream in our apartment, but only temporarily.

Foolishly, I started scooping

the muck off the kitchen floor with a pot, splashing it into the sink.

"WHAT ARE you doing?" my wife asked.

"I've got to do something."

"You plan to stop the dike with your finger?" she responded.

I was not amused. "Are you just going to stand there and do nothing?" I responded.

"What else can we do?"

I had no answer and that panicked me. There was nothing we could do to stop it. So we stacked everything on the bed, tables, sinks and chairs and I called my boss. "Won't be in at all today." He understood.

THEN WE headed for a friend's house for refuge.

Bobbing oranges sped by us as we crept along Indian School Road. "It's going to let up," I said aloud as the muddy gunk lathered past. But 18 blocks later, the raindrops were heavier and falling faster.

We felt out of place helping our friends sweep water from their back door, when it was lapping at our refrigerator, bed and piano.

IT TOOK 90 minutes to retrace these 18 blocks; 18 unspeakable, nervous, fearful blocks. The same thought crowded our minds. Would we have an apartment left to live in?

We shared a sickening feeling as we pulled up to our apartment and the rain continued to pour down in sheets. A river of rain was pouring over the nine-inch retaining

wall between the parking lot and our front door.

The water was four inches over the door jamb. We didn't need to look at each other to sense the mutual dread as I turned the key in the lock.

WATER SWOOSHED in with us as I shoved open the door. A shoe floated by, a leaf, an inflatable chair, a pouch of tobacco. In our apartment's ankle deep river, the only dry place was the bath tub.

"Oh, God, God. No, my wife cried. I held her and was as successful at keeping backing her tears as I had been in stopping the rain.

"What do we do?" she asked; panic subsiding. Nothing could be done but wait. And help others. Then the water's rush slowed, stopped and began to recede.

A broom was used to push the lake of mud, leaves and water out the front door. They gushed back where they all belonged. Then only standing water was left, sopped up by already mud-clogged towels spread out on the floor like a modern crazy quilt.

A BOX OF pictures was ruined. An entire collection of record albums warped, some clothes soaked, water marks were four inches up the legs of our TV, the bed, piano and tables.

"But it could have been so much worse," my optimistic wife said. We would be able to move back in after new carpet was put down. Then thoughts of Rapid City, S. D., raced through my mind.

"Yes. We're still alive," I said.

38 Free Apartments Offered Flood Victims

Thirty-eight apartments were still available, rent free for 30 days, this afternoon at Oakwood Garden Apartments for Valley residents left homeless by the tornado and flooding.

Larry Carlin, vice president of R&B Development Co., owner of the apartment complex at 5115 N. 40th St., said, "We are already housing 200 homeless persons in 62 apartments."

Carlin said applicants should contact the resident manager. While the furnished apartments do not have blankets or linens, "our residents are donating bedding and clothing" to those in need.

NEW BABY RIDES

Hospital Provides Bus In Flooding

Six discharged patients, including a three-day-old baby, rode home on a chartered city bus from St. Joseph's Hospital and Medical Center.

THE HOSPITAL chartered the bus yesterday for 35 patients planning to go home. T. A. Huff, administrator, said, but police advised that roads were impassable in many places.

Patients who lived in passable northwest areas were asked to choose whether to make the trip or remain at the hospital until they could get private transportation later.

Those making the trip sat in the main lobby in wheelchairs while hospital officials checked incoming police reports. At one time they were returned to their rooms,

but were brought down again to board the bus at 12:30 p.m.

The patients were Rose Raspanti, Jack Morse, Teddy Thompson, Barbara M. Van Ness, and Rose Culhane and Kristin. Mrs. Culhane, rocking Kristin, her first baby, in her arms while nurses' aides followed with flowers, formula and other paraphernalia, said her husband, Bill, was waiting at home with a stalled car.

ALSO ON the bus were Sister Alice Montgomery, Nancy Concholar, and Faye Ivor, all registered nurses and nursing education specialists; Clarence Franklin, an orderly; and several off-duty nurses who had been looking for a way home.

On the way back to the hospital the bus picked up several patients who were scheduled for admittance today.

Right On, Right On!

TEMPE — "It was the height of something or other," the bewildered housewife said.

Right on schedule last night, her irrigation water came on.

Parts of the Valley received more than 4 inches of rain yesterday.

Boil Water

Is Advice In Flooding

Flood victims today were warned by the Maricopa County Health Department to boil drinking water and keep freezers closed where power outages have occurred.

To avoid the danger of seepage caused by heavy rains, flood victims should use toilets and showers as little as possible if they depend on septic tanks for sewage disposal.

POWER OUTAGE areas were for the most part in northeast Phoenix and Paradise Valley, specifically from Indian School Road north to Bell Road and 40th Street to Pima Road.

Dr. Stanford F. Farnsworth, assistant county manager for health services, said water isn't safe until boiled for 20 minutes, and that if there is any question about the purity of water it should be boiled.

Questions on these matters should be directed to the health department, 258-6381.

Crime Takes A Holiday, But Police Far From Idle

By DICK GAZI

While a lot of good people couldn't get to work yesterday, the same could be said for the bad guys.

Flooding conditions literally put the damper on crime in Phoenix yesterday.

"YOU could say rain washed out crime for 24 hours," said Maj. George Sanders of the Phoenix Police Department.

"The big problem probably was that people couldn't report the crimes to us. In a lot of cases there was no way of reporting them.

"We'll just have to wait and see how many calls we get today that are related to the flood."

But then again, a lot of would be burglars just weren't overcome with the idea of battling water.

Lt. Jerry Kimmell said, "If a good guy can't make it to work, it's going to stand the same for a bad guy.

"A robber isn't going to be too keen on pulling off a job, without knowing how far he can actually drive away."

ANOTHER detective noted a burglar would have to be crazy to want to pull off a "ripoff" in weather like that.

"In a lot of cases, too, our men were going to have trouble getting to the scene where a crime may have occurred," added Maj. Sanders.

While the detective bureau was somewhat locked in, several of their men added in field operations as telephone call hit an all-time high.

The police department took

in 6,976 telephone calls yesterday, whereas a normal daily load runs close to 800.

The sheriff's office averaged about 125 calls an hour.

"We got a lot of calls from extremely concerned women. A lot of them had never gone through something like this before," said Sgt. Earl Chivington.

"What's a woman going to do when she sees water com-

ing through the ceiling. There was a lot of confusion."

He estimated that about 250 patrolmen were on the streets yesterday.

"WE CALLED in 65 men from the police academy to wade in water for us where streets were impassable. Normally they would have in training.

"But we decided to put them to work," said Chivington.

While numerous private cars were stalled due to flooding, Chivington said he only knew of one patrol car out of some 125 that ran into the same predicament.

"We had maybe three or four others that suffered mechanical failures," he said.

And again for today, Chivington saw traffic as his department's biggest problem.

Sato Resignation Brings Others

TOKYO (AP) — Japan's J. Edgar Hoover and Tokyo's police chief have resigned in the wake of Prime Minister Eisaku Sato's retirement. The National Security Commission said their successors would take office tomorrow.

Informed sources said Masaharu Gotoda, 57, the director-general of the National Police Agency, and Hiromichi Honda, 56, the superintendent-general of the Metropolitan Police Department, told close associates they considered this the appropriate time for a change in the police commands. Each is being succeeded by his deputy.

200 Guests Evacuated From Hotel

More than 200 guests were evacuated from Safari Hotel in Scottsdale and a conference on family counseling was moved to Holiday Inn in Scottsdale as the flooding Arizona Canal brought knee-deep waters to the area.

Damage to the hotel was estimated at "several hundred thousand dollars."

About 120 guests were taken to nearby Valley Ho yesterday afternoon and others from Safari were accommodated in other Ramada Inn units, Wallace Lee of Ramada reported.

Two buildings at Valley Ho closed for usual summer renovating were reopened to take flooded guests yesterday, Lee said.



By United Press International

YOUR AWARD WINNING HOMETOWN NEWSPAPER

SCOTTSDALE, ARIZONA, FRIDAY, JUNE 23, 1972

35c Per Week — 10c Per Copy

Vol. XII, No. 110

Nixon denies bugging role

WASHINGTON — President Nixon denied involvement Thursday in an alleged bugging of Democratic national headquarters as a "ruined" man formerly on his re-election campaign's payroll stood charged with the crime. Nixon told a news conference Thursday that he did not want to discuss the case while it was under investigation.

Agnes toll reaches 73

The death toll from tropical storm Agnes' weeklong rampage reached 73. At least 57 persons died as Agnes lumbered up the East Coast Thursday and continued to cause rain today from the Carolinas to New York. Twenty-five persons were dead in Pennsylvania, 13 in Maryland, 12 in Virginia, four in New York, two in North Carolina and one in Delaware. Sixteen others died when Agnes ripped through Cuba and Florida earlier this week.

Education aid bill signed

WASHINGTON — President Nixon signed into law today a \$19 billion education aid bill but accused Congress of providing rhetoric instead of solutions to the critical problem of court-ordered school busing. The law delays until January, 1974, implementation of such orders that can still be appealed. "The moratorium... is temporary; the relief it provides is illusory," Nixon said in a statement criticizing the Democratic-controlled Congress for failure to pass his recommendations for dealing with school busing.

Pope lauds President's trips

VATICAN CITY — Pope Paul VI today called President Nixon's trips to China and the Soviet Union hopeful signs of a new era of international relations. He said it was too early to assess the trips, but said recent developments, such as President Nixon's trips, inspired hope among men for peace and justice.

Meat prices freeze mullied

WASHINGTON — The U.S. Price Commission may freeze meat prices. The price group is weighing the possibility of a temporary freeze on retail meat prices with beef, pork and other meat prices going up. President Nixon met with his top economic advisers this morning and is considering a suspension of restrictions on foreign meat products. The price commission may meet Sunday to consider a one-month freeze.

Aussies protest bomb

SYDNEY, Australia — Six Australian protesters said today they would fly 6,000 miles this weekend and parachute into a South Pacific area where the French navy is preparing to set off a nuclear test explosion. "We realize we could be going to our deaths if the French test their bomb," said Terry McGee, one of the protesters.

City water systems okay

Most Scottsdale residents needn't worry about contaminated water if they get their supply through city systems, Scottsdale and county health officials said today.

The entire Scottsdale city water system has been checked, according to Dan Raby, assistant public works director. "No pipe breaks were found so there is no danger to our drinking water," he said.

"If homeowners pay their water bills to the cities of Scottsdale or Phoenix, there should be no problem," said Eleanor Blampied, public relations director for the county health department.

County health department engineers are sampling water supplied by private companies including five which serve Scottsdale and Paradise Valley. Readings of tests by the state health laboratory will be available late this afternoon or early this evening, Mrs. Blampied said.

Persons having private company service are advised to boil water 20 minutes or use bottled water until official word is announced by the health department.

Contamination can result when wells are located near cesspools or septic tanks, Raby said, and suggested that

persons with either try to limit use. Most wells have a required concrete shell to protect from contamination, he added.

Desert Springs Water Co. is telling customers to boil water as a safety precaution but it doubts there is any contamination. The company serves Paradise Valley and parts of Scottsdale in an area roughly bounded by Shea Boulevard on the south, Pima Road on the east, Thunderbird Road on the north and 56th Street on the west.

Mockingbird Water Co. serves county and Paradise Valley areas, plus a few square miles in Scottsdale, located in the Scottsdale and Doubletree Roads area. They are north of Shea to 64th Street and on the west to 48th Street, including Cactus and Mockingbird Lane.

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In wake of tornado, flood

Damage in millions

By JACK KARIE
Progress Staff Writer

Warm Arizona sunshine today was a welcome sight to those digging out from under debris of a tornado and rain-storm which caused damage estimated by city officials at \$30 million to \$50 million.

Mayor Bud Tims said today he considered it a minor miracle that several Scottsdale residents were not killed when the tornadic winds north of Shea Boulevard caused homes to explode in seconds.

After touring the area City Public Works Director Marc Stragier and City Manager Dale Carter agreed it would take weeks to estimate the damage to city facilities, which they said could run into the hundreds of thousands of dollars.

Although there were rumors of several persons being drowned in the raging waters of Indian Bend Wash, there was only one unconfirmed report of a death which caused divers today to search the depths of the lake at Villa Monterey Golf Course.

At presstime today the divers reported they could find no trace of a man from Detroit, Mich., reported to have fallen into the lake at the height of the rains.

Ray Parker, 8, son of Mr. and Mrs. Norwood I. Parker of 6302 E. Aster Dr., was pulled from the flooded waters near Shea Boulevard and 64th Street around 3:20 p.m. Thursday by Scottsdale Rural Firemen who administered first aid. A helicopter was notified and the child was transported to Scottsdale Memorial Hospital where his condition was listed as "stable."

Most of the flood damage was caused north of the Arizona

Canal in homes, resorts and business establishments in the vicinity of the Safari Hotel at 4601 N. Scottsdale Road.

Safari Hotel spokesmen told city officials they estimated damage at the hotel, which was forced to evacuate all guests and close its doors, at \$1 million to \$1½ million dollars. At one time the interior of the hotel reportedly contained up to 2½ feet of water.

City firemen averted a possible major danger to residents and passersby when they removed several hundred pounds of powdered chlorine from the inundated Sun Valley Pool Co. near the hotel.

Robert Barrett Taylor, a 27-year-old Rural Metro fireman, suffered chlorine poisoning as he accidentally lost his face mask while removing the water-soaked bags of chlorine

See photos, stories pgs. 8, 9

which have been known to explode or burst into flames when wet.

In arriving at the total damage figure, City Engineer George Ianella said he has been informed that there were about 150 homes destroyed and more than 200 others severely damaged in the vicinity of Cocopah School at 6615 E. Cholla Road.

There were some city officials who said that damages in that area alone probably will exceed \$7,500,000.

City Parks Superintendent Bill Ensign said that the flood in the wash caused "hundreds of thousands of dollars damage" in the relatively new Eldorado Park and at lowlands in the

Vista del Camino area. New homes in the urban renewal area there escaped damage.

The force of the waters surging through the park ripped out sidewalks and new picnic ramadas and heavy picnic tables were floated southward to McDowell Road where they were recovered by city crews and volunteers.

City officials had high praise for Scottsdale Radio Station KDOT and that station's John Rollinson, who manned the city emergency setup at city hall and relayed information to residents of the stricken areas.

Stragier praised Don Martin and his family who own a small ranch near McDonald Drive north of the Arizona Canal.

Stragier said that Martin used his bulldozer to make a break in the banks of the canal to save other residents even though he knew at the time that the resulting rush of water would inundate his own property.

"It took nothing but guts for that man and his sons to cut a pole in the canal bank," Stragier said. "He hesitated at first and refused to make the cut but went on ahead when we told him that the cut would help other residents."

It was only last week that Stragier warned residents north of the canal that they should purchase federally-subsidized flood insurance before the summer rains.

"I don't have any idea of how many of those people followed that advice," he said today. "I've got my people out there now making a survey."

Carter said that most of the city's arterial streets were open today but warned motorists to be careful in traveling over the thoroughfares which had been damaged.

All is calm at Cocopah relief center

By MAXINE GOODMAN
Progress Staff Writer

An atmosphere of calm prevailed at Cocopah School's storm relief center this morning with a small group of victims leisurely breakfasting in the area of North Scottsdale hardest hit Wednesday night and Thursday morning.

Major Glen Gilden of the Salvation Army said the school accommodated about 70 persons over night in one of the carpeted instructional areas not damaged by water. Five hundred had come to the school for dinner last night and workers served meals until 11 p.m.

Donuts, soup and sandwiches, milk and cereal still were piled high today awaiting residents in need of food or water and a place to stay.

"Firms donated everything from hamburgers to soft drinks and individuals volunteered their homes and medical help," Major Gilden said. "Most of the food was airlifted here since roads were blocked."

Three truckloads of plastic to cover furniture in salvaged homes was provided to residents along with two tankers of pure water and milk.

Major Gilden said the emergency post was geared to house all of the residents hit by the disaster, but persons preferred to stay close to their homes instead of at the school.

One of organization's cooks on duty during the past two days said he was amazed at the cooperation of the victims and others who donated their services and contributions.

"It was a better all-out effort than I saw when the Salt River dams were released in 1965."

"Nurses are still here at the center to give tetanus shots for cuts or punctures," Gilden said. "We expect to keep the center open through tomorrow."

Tonight's guests will have hot water, soap, towels and showers in the physical education building, reported David Wilson, Cocopah assistant principal.

Gilden said approximately 50 Salvation Army workers gave aid, including seven cooks.

Jerry O'Connell, 6411 E. Desert Cove, was at the center this morning with his five-member family.

O'Connell, whose home was uninhabitable due to wind and water damage, stayed at his home Thursday night to prevent looting while his wife and three children spent the night in sleeping bags at the school.

Mrs. Jean O'Connell said, "We were so tired from Wednesday night that we just sacked out in the building last night with our air mattresses and had little trouble sleeping."

Mrs. O'Connell said friends brought food for 45 persons last night and used the home economics room to prepare the meal.

"Everyone was in the same boat and in fair spirits, just very glad to have warm, dry place to be," she added.

Mrs. Barbara Fullmer, 5501 E. Pershing, said her home suffered minimal destruction, limited to roof shingles, but her family was thrust back to log cabin days without the use of lights and refrigeration.

"We were isolated without any food when the storm struck," the mother of three said. "I usually go shopping on Thursday, so we had no way to get from our house to a market or even Cocopah."



Photos by Lee Pierce

AS THE WATERS began to leave North Scottsdale, left behind was a mass of debris and mud. Effects of the high winds Wednesday night still

can be seen here as parts of homes on Shea Boulevard at 64th Street lie strewn about amid the muck.



SAGUARO HIGH SCHOOL, north of McDonald Drive and on east side of the Indian Bend Wash,

was an island unto itself Thursday as flood waters cut it off from the rest of the city.

Aid center opening Monday

City officials will man an emergency relief center at Scottsdale City Hall starting at 9 a.m. Monday to instruct city residents on various ways to get aid for wind and flood damage.

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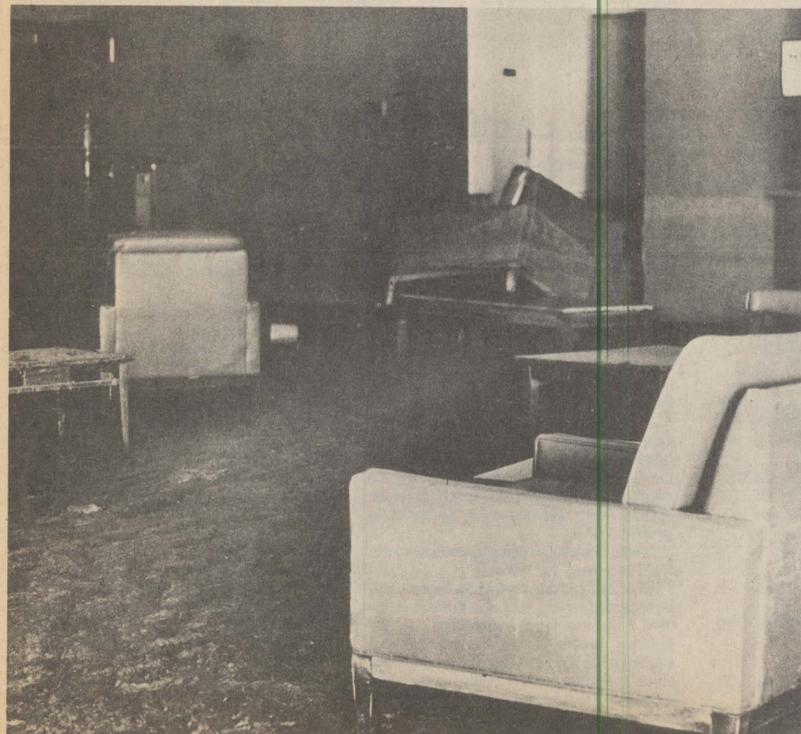
"We are going to give these residents all the help we possibly can," Tims said. "Every employe in the city has been asked to do everything within their power to help these residents."



68th St.-Indian School area flooded

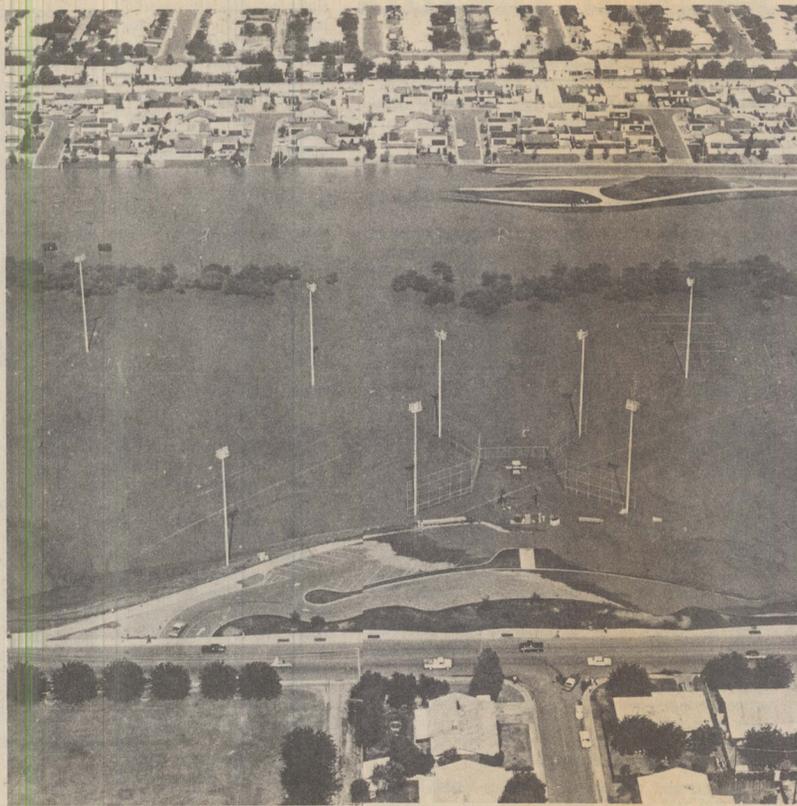


No easy going for Salt River Project truck at Indian School near Hayden

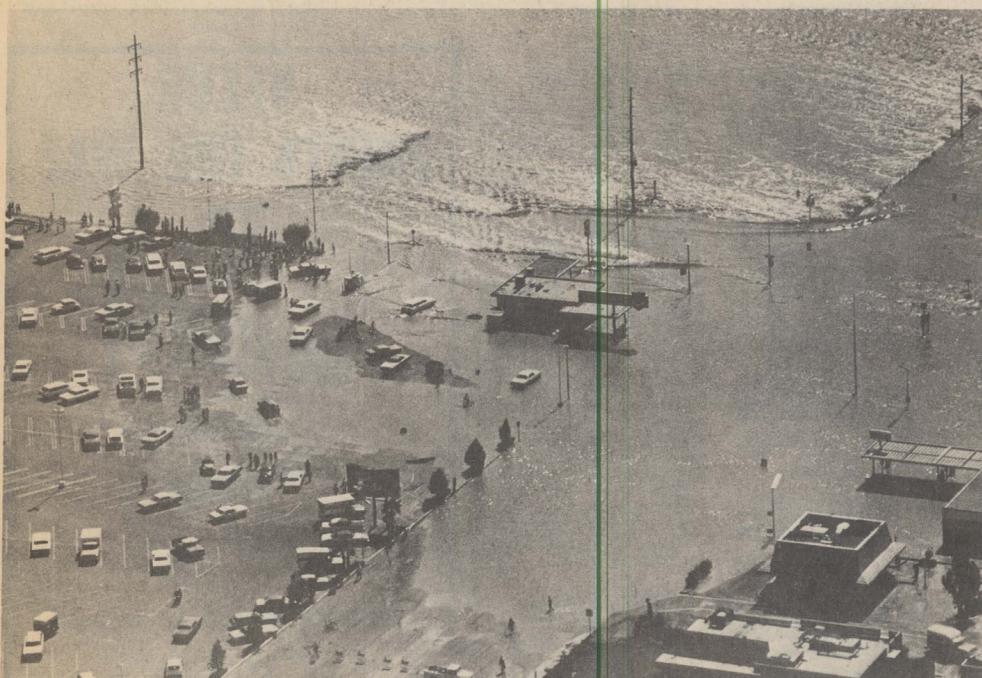


Inside the Safari Convention Center

Progress photos
by Dennis Carroll,
Bob Snider,
Lee Pierce and
Jerry Ford



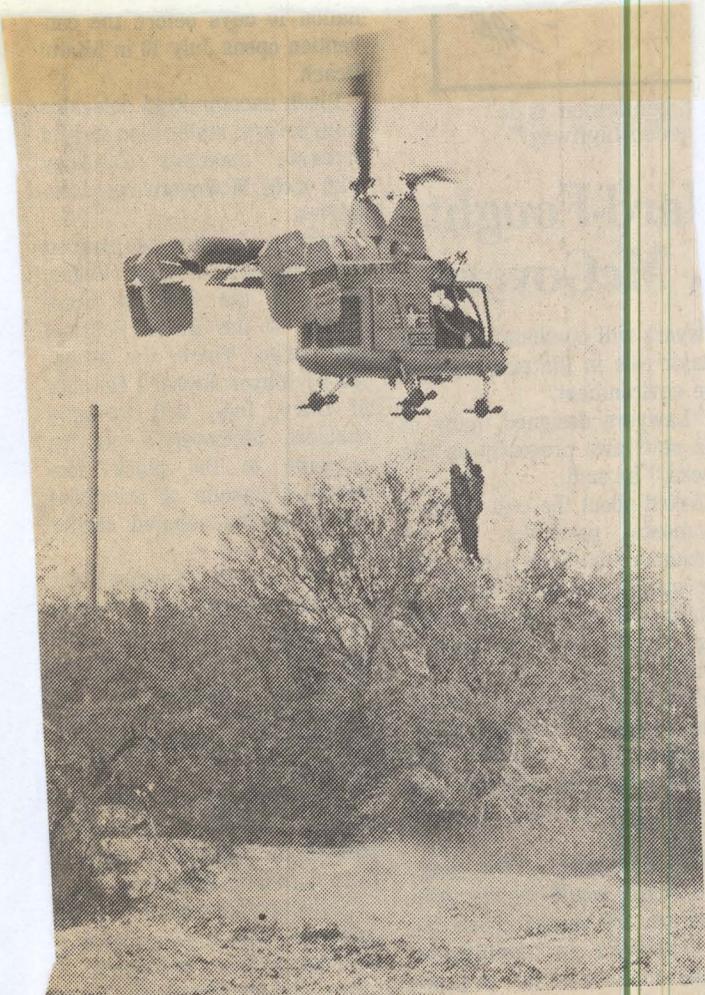
Game called by rain at Eldorado ball fields



Hayden Road at Indian School looking southwest



A golf cart floats at Safari Hotel



FLOOD VICTIMS LIFTED—An Air Force Kaman helicopter from Williams Air Force Base rescues two young men who were stranded in a tree when they tried to escape the raging current caused by Thursday's flood. Using a tree penetrator, a device used in Southeast Asia to rescue downed pilots in the jungle, the chopper pulled the two youths to safety in the Indian Bend Creek area of Scottsdale, just south of McDowell Rd. Crew members included the pilots, Captains Don Blair and Gale Webb; mechanic Sergeant Taras Soroka and firemen, Staff Sergeant David Filut and Airman First Class Mark Beard. (U.S. Air Force Photo by TSgt. Ray Agee)

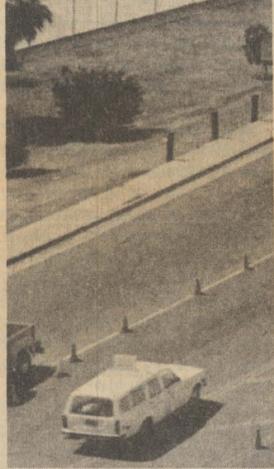
FLOOD CONTROL DISTRICT
MARICOPA COUNTRY
3325 W. DURANGO
PHOENIX 85119

Tempe Daily

\$1.25 Monthly - 10c Copy

Two Sections—22 Pages

TEMPE, ARIZONA, FRIDAY, JUNE 23, 1972



PROBLEMS — Wednesday's rain didn't pose the problems in Tempe that it did in other areas, but it did bring a passle of vehicles to Mill avenue, bound for Phoenix. Traffic was two-way on the bridge, causing a backlog of cars miles long.

Photos by Ken Bouzan and Harold McGinnis

REST OF VALLEY 'DIGS OUT'

Tempe Dampened By Rain Again

Tempe received some rain last night, but most of the Valley area was given a 'drying out' period by Mother Nature and began cleaning up the debris left by the rampaging flood waters of a day ago.

Vast portions of the Scott-

sdale, Phoenix and Paradise Valley areas were inundated by the flooding, which occurred after several cloudbursts brought sheets of rain on the parched areas.

Although not affected by the rain per se, Tempe found itself a

popular spot for motorists bound for Phoenix and Scottsdale, as the Salt River Project released its water from the swollen and breaking canals into the river bed, thereby washing out Scottsdale road and other arteries crossing the

sandy bottom.

Several cars were observed bogged down in the mud or stalled in the midst of swirling waters on Scottsdale road and men with towing devices were spotted dragging the vehicles from the flood.

After a clear afternoon and early evening, the skies over the Valley clouded once again, leaving .17 of an inch of rain at the O.L. Barnes Volunteer Weather Station in downtown Tempe (Ash avenue).

Over at the University of Arizona Citrus Farm, located just south of Tempe, a recording of .23 of an inch was taken, bringing the total for that station to over a half-inch for the entire storm.

Sky Harbor Airport, where the National Weather Service office is located, was deluged with a total of 1.64 inches since the storm struck the Valley on Wednesday afternoon.

But, there's hope in sight. The weatherman at the airport told Tempe Daily News that there is a general 'drying trend' throughout the state and the chances for more rain this evening are lessening by the hour.

THE ARIZONA REPUBLIC

Telephone: 271-8000

Phoenix, Arizona, Friday, June 23, 1972

Four Sections, 92 Pages



Thousands stranded by flood

Hundreds of homes damaged as water breaks canal banks

By EARL ZARBIN

The Valley was nearly brought to its knees yesterday by a series of cloudbursts.

In some areas of northeast Phoenix, the downpours produced 3 to 4 inches of rain in little more than two hours.

The resulting flooding damaged, snarled, and frustrated vast sections of the community.

Thousands of residents failed to arrive at work—many of them simply gave up while others were stalled in water that ran 2, 3 and 4 feet deep in the streets.

Other thousands of householders and business people suddenly found themselves trying to protect their property from flooding water as canal banks gave way and laterals overflowed.

The sky above Paradise Valley was filled with helicopters air lifting stranded residents and motorists to safety.

Authorities received thousands of telephone calls and had numerous reports of minor injuries and accidents, but there apparently were no deaths.

Throughout the day, many residents of the Salt River Valley kept radios on to hear the latest weather forecasts.

Many of them used portable radios, because they were without electricity.

Health officials advised citizens in heavily flooded areas not on City of Phoenix water service to boil water before drinking it because of potential pollution.

"How am I going to boil water?" one harried housewife without power asked. "I have an electric stove."

Despite the inconveniences, the delays and the debris, Valley residents seemed to accept what had happened with equanimity and they pitched in to help their neighbors.

Offers of help came from many individuals and businesses, and the utility companies brought in crews from around the state to try to bring order to a confusing scene.

Hundreds of teen-agers and college-age students gathered at Scottsdale Municipal Stadium to fill bags with sand for distribution to residents of flooded and flooding neighborhoods.

Municipal authorities reallocated personnel to assist in flood control and rescue work, but the magnitude of the flooding left much undone.

The National Weather Service at Sky

Flood insurance? See Don Campbell's column on Page 42.

Additional Stories and Photos on Pages 29 and 31

Harbor International Airport late last night issued a weather forecast indicating more thunderstorms are possible today. The forecast said:

"A moist unstable air mass persists over Arizona and the threat of renewed thundershowers tonight (last night) and Friday remains for most of Arizona."

This forecast was in keeping with severe thunderstorm warnings issued throughout yesterday for almost all of southeastern and central Arizona.

"We had a series of thunderstorms that crossed over the Valley between 6

and 7 a.m. this morning (yesterday)," said weatherman Bob Ingram.

"In some areas, principally in the neighborhood between Thomas and Camelback from 24th to 36th streets, it looked like between 3 and 4 inches of rain fell in about two hours," Ingram said.

He said a rain gauge at 28th Street and Highland caught 4.20 inches of rain. Another at 36th Street and Indian School recorded 3.75 inches.

Ingram said there was no way to know how much rain fell over the Phoenix Mountains and the McDowell Mountains, but it was water pouring off these slopes which helped contribute to the severe flooding.

Willard Groene, who maintains a

Continued on Page 25

Residents start to tally wind and rain damage

Devastating wind and rain damage from two fierce days of freak summer storms lay over much of Arizona yesterday, including about \$1 million worth in tornado-struck Eloy.

Possibly the hardest hit, although certain sections of Phoenix were badly damaged, were the 5,381 residents of the modest little farming community, wrenched by a central Arizona whirlwind on Wednesday.

Elsewhere in the state, with a concentration in the southeast quarter, thunderstorms often peppered with hail dumped heavy amounts of water on drought-dry areas.

The storms, said the National Weather Service, were caused by "a lot of moisture coming up from Old Mexico" and resulted in "extraordinary" precipitation. Among the high totals reported yesterday afternoon were Miami with 1.3 inches in three hours, Superior with 1.5 inches in an hour and Heber with .8 of an inch in a short period.

By late afternoon, said the Weather Service, most of the heavy weather activity in the western part of Arizona had moved across the state.

With more severe storm activity predicted, weather watchers were keeping one eye on the sky and another on the

rising rivers, creeks, roadways and front yards.

The storms were scattered. In northern Arizona, drizzling rain and threats of floods, not yet reaching emergency proportions, were reported by sheriffs in Coconino, Navajo and Apache counties. But in Mohave County yesterday afternoon the sun was shining.

Rain was heavy in the central state areas of Sedona, Camp Verde and Chino Valley, and numerous roadblocks were set up on side roads which ran with 2 and 3 feet of water.

Sporadic downpours in the southeast's Miami-Globe region flooded some streets and in the Pinal Mountains lightning started a forest fire which was extinguished by the rain.

Farther south in the state, both Tucson and Eloy were coping with the results of Wednesday-night attacks from the weather. Tucson insurance companies were receiving claims after damage to residential districts, with a vague estimate that the destruction, mostly in the southeast part of the city, would reach "hundreds of thousands" of dollars.

Eloy officials were more specific. City

Continued on Page 25



Republic photo by Nyle Leatham

Aerial photograph looking north from McDowell shows flood waters flowing down Indian Bend Wash

Winds gust to gale force

41 die as tropical storm pounds East

Associated Press

Tropical storm Agnes buffeted the Eastern Seaboard with up to a foot of rain and winds gusting to gale force yesterday, causing widespread flooding, disrupting utilities and transportation and forcing the evacuation of entire towns.

At least 41 deaths were attributed to the storm, which earlier left another 18 dead in Florida and Cuba.

In Pennsylvania, an "extreme emergency" was declared after the storm dumped 10 inches of rain, flooding tributaries of the Susquehanna River. Thirteen lives were lost.

In New York, where the winds occasionally reached gale force of 55 miles per hour, a Trans World Airlines 747 jet-lined skidded off the end of a rain-slick runway at Kennedy Airport and came to a halt mired in mud. Its 250 passengers, arriving from Los Angeles, were not injured.

The National Weather Service late yesterday canceled a flash flood watch for much of New England, and also canceled a flash flood warning for southern Connecticut and New York's Westchester and Rockland counties.

But the storm's powerful brunt remained felt over a wide area.

Commerce Secretary Peter G. Peterson said in New York last night that losses from the flooding already had exceeded several million dollars and promised federal aid would be provided once damage estimates were more precise.

In Virginia, state police ordered the evacuation of Occoquan in the northern part of the state after a 125-foot dam showed signs of weakening.

Elsewhere, weeping women and children were loaded into boats and evacuated from the small village of Wellsburg, Pa., and massive evacuations were ordered at Elmira, N.Y., a short distance to the north.

Officials said the Chemung River near Elmira was rising at a rate of about 6 inches an hour last night and was up to 17 feet at Elmira and Corning.

National Guard units were placed on duty in nearby Olean, N.Y.

Residents of Olean, just over the Pennsylvania border and south of Buffalo, were warned to expect "the worst flood ever." The Allegheny River rushed over a 10½-foot wall, inundating a residential area, and weather authorities said late

Continued on Page 27



Republic photo by Lud Keaton

Youngsters push ambulance making emergency call out of water on Scottsdale Road

Storm's wake wrings emotions dry

By CHARLES B. KELLY

The aftermath of a flood and windstorm is many things to many people.

Yesterday it was the sweating frustration of a construction worker who couldn't get home, a woman's relief that she hadn't gone to church the night before, a child's joy at streets that had suddenly turned into long, muddy swimming pools, and a man's hand-wringing helplessness in the sludgy kitchen of his flooded restaurant.

It was also ducks in the desert.

When the rain-swollen Arizona Canal topped its banks at Central and Orchid Street yesterday morning, its full force fell on Raffaele's Arbor, 8525 N. Central.

An hour later, the restaurant's owner, Ralph Ammacapani, dolefully surveyed the damage.

The water had punched through his aluminum kitchen wall, shouldered aside a 2,000-pound bakery oven, shattered ice-makers, tumbled refrigerators, and covered the floor of his bar and dining-area with mud and fallen furniture.

He wandered though the darkened mess with a flashlight

and, wherever he turned the light, he lit up a new horror.

At last he turned to a friend with a helpless gesture. "We got to start someplace," he blurted. "Now where do we start? Where do we start?"

But at least Ammacapani reached the scene of his damage. By mid-afternoon, Owen Arent, 32, a beefy, sunburned construction worker still was cut off from the scene of his own property loss by flooded roads.

Arent had worked for about an hour on his job in Fountain Hills, in Scottsdale, before torrential rain stopped work. He began trying at about 7:30 a.m. to reach home. But 2 p.m., when he steered his pickup truck up to a policeman at 56th Street and Shea Boulevard, and found Shea submerged to the east, his last route home was cut off.

In the meantime, he had telephoned his wife and had heard that their apartment at 1252 E. Berridge Lane was flooded.

He just sat there for awhile, sweating through a growth of beard.

"I'm stymied," he admitted. "I can't go down Scottsdale

Continued on Page 26



Mrs. Olga Moss of 341 W Hazelwood stands in middle of street and looks at her damaged property. She was flooded out for the second time (the first was in 1943). In background are her son, Elmer Lorensen, and Phoenix Policeman Robert Nixon, on hand to help out and direct traffic in the area.

Gazette Staff Photo by Tim Rogers

Flood Dramas Unfold

The water came. And as gallon after gallon poured from the sky and from breaks in the Grand Canal many residents whose homes were flooded, or were about to be, sought shelter elsewhere.

Many were urged by Phoenix police to leave their homes.

SOME ENDED up in the Red Cross evacuation center set up at Phoenix North High School.

All wore looks of bewilderment, disbelief and fear — fear of the unknown, fear for loved ones who had become separated, and the very basic fear of having no place to call their own — of not being able to go home.

And the ingredients for tragedy were everywhere.

A heart patient arrived at the center about the same time a woman was explaining her need to catch a plane for another state where a life-saving operation was to be performed. Delay could be fatal.

BLOCKS AWAY the husband of one of the evacuees refused to leave his flooded house to join his wife because two dogs and a parakeet needed attention.

Offsetting all this was the very real kindness of so many who turned out to help. Vince Moran, North High's new security officer, who had started the job one day earlier, said, "So many teen-age kids came in to volunteer we have more help than we need."

The stories of those evicted were all the same — with individual twists.

For Mrs. Jeff Shepherd, 4211 N. 27th St., and her daughter, Amy, 20 months, the day started when they got husband and father off for a trip to Flagstaff at 5 a.m.

Man Stays Home To Protect Animals
Evacuees Provide Help To Neighbors
Center Cooks Up Soup, Sandwiches
Teen-Agers Offer Help As Volunteers
Disabled Carried From Their Homes

WHEN THE rains came the two were lying in bed enjoying the sound of it and the coziness of being inside and protected.

Joy was forgotten when Mrs. Shepherd realized that the water was rising much too fast.

It had entered the house and was still rising when police came. "They were going to take us out but they couldn't get their car started," said Mrs. Shepherd.

She drove her daughter and new neighbors, Mr. and Mrs. Gary Ricard, and their three daughters, Krista, 9 months, Gretchen, 20 months, and Jodi, 3, from the flooded area in a four-wheel drive vehicle.

"BUT I HAVEN'T been able to reach anyone," she said. She had asked the Highway Patrol to try to reach her husband, an insurance broker. Telephone troubles prevented her from contacting her parents who live in northeast Phoenix and a sister in Scottsdale.

Like most of those who were forced from their homes the Shepherds brought nothing with them.

The Ricards, who moved to Phoenix and the 4211 N. 27th St., address less than a month ago from Minnesota, brought only a little clothing for the children and a bottle for the baby.

"We had to crawl out windows to get out," said Ricard, who is a spray painter with Charley's Custom Cabinets.

NEITHER OF the newcomers was ever in a flood.

Most of the evacuees held the same record.

But Ray Worland, 1339 E. Monterosa, said he was "in the big Louisville, Ky., flood in 1937. I know what it can do."

His wife said she had been in a hurricane but she said she had thought only to bring one personal item: a robe.

"We didn't bring any chains or food for the dogs," she lamented.

The couple sat patiently in the North High parking lot with their pets, Sam and Chyue. Pieces of rope made make-shift "chains." A hub cap had been turned over and filled with fresh water for the animals.

MORAN SAID dogs were not allowed in the center and that they were not expected to be fed by the Red Cross.

At one point the security officer said 36 people, five dogs and three cats — one pregnant — had come to the school. Moran, a former newspaperman, said he covered his first flood in New Jersey for the old New York Mirror. That was in 1955.

Moran, who moved to Phoenix in February, had been writing his folks back East to come to Arizona and get away from the dampness. "They came Tuesday. It's been raining ever since."

LIKE MANY of those flooded out, Worland, employed by Lucky's in Scottsdale, said he did not know if his house insurance would cover the water damage. Mrs. Worland had lived at the Monterosa address since 1956 and had never been flooded before.

Ironically, Mrs. Worland who works in the Phoenix Union High School system commissary, just returned from Prescott where the couple has a cabin "almost paid for." The worry there was fire from the over-dry forests.

Before the Worlands arrived at North High, they helped evacuate a neighbor who is an invalid. "It took over an hour to take her to Good Samaritan Hospital," said Worland. The woman's husband had undergone surgery there.

ALSO MAKING a stop at Good Samaritan were Mr. and Mrs. Lawrence Collins, 1339 E. Devonshire. They took their two-year-old son there because the boy has a breathing problem and they didn't want to take any chances.

When the family was told to evacuate it brought several neighbors and families. Collins, who works for Servisoft Water, returned later for

Turn to ●FLOOD, Page 30

SECOND FRONT PAGE

The Phoenix Gazette

VALLEY NEWS

Friday, June 23, 1972

○+

Section Two, Pages 29 to 56

550 HOME-DAMAGE CLAIMS RECEIVED

'Disaster' Tag Sought

The district director of the Small Business Administration said today he has recommended Maricopa, Pima, and Pinal counties for disaster area designation as a result of storms Wednesday and yesterday.

Stan Goldberg, director in Phoenix, said a ruling on his recommendation could come from Washington or SBA's regional office in San Francisco.

He made his recommendation to Regional Director Gil-

bert Montano of San Francisco, who has forwarded it to Washington. Goldberg said he also spoke directly to U.S. Sen. Paul Fannin over the telephone concerning the "need for disaster declaration."

Insurance adjusters said they have received more than 550 claims of home damage resulting from the storm, which hit the city's east and south sides the hardest. The damage estimates are in the hundreds of thousands of dollars.

Five Million Calls! Beats Mom's Day

Mother's Day, traditionally, is the biggest day of the year for the telephone company.

However, calls placed yesterday by Valley residents may have exceeded the number made last Mother's Day.

A SPOKESMAN for Mountain Bell Telephone Co. estimated five million calls were placed. The number for a normal day is about three million.

"The calls swamped our switching stations and that's why there may have been a delay in getting a dial tone," he said.

Major problems encountered by the telephone company as a result of the flooding included:

- The need for using emergency power at one time or another at all central offices.
- Sandbagging and pumping to keep water out of facilities at 215 E. Indian School and at 3114 E. Thunderbird.
- The use of two mobile units to provide telephone service at Phoenix Baptist Hospital after a cable under a street was melted by a hot power line.

THE SPOKESMAN said two cables on power poles were still out today, but repairs were under way. One is near Mountain Shadows Resort. The other is in the Pinnacle Peak area.

Full service to Eloy was expected to be restored by this evening. Service to Maricopa and Stanfield has been restored.

Quick Reacting Guard, Air Force Units Save 120

By ESTHER CLARK

Service above and beyond the call of duty by the Army National Guard and Luke and Williams AFB personnel saved the lives of at least 120 Valley flood victims.

In addition, about 100 other men, women and children, less imperiled by yesterday's torrential downpour, were rescued by helicopters and trucks.

CITIZEN SOLDIERS of the Army Guard's 997th Aviation flew six Huey H34 Choctaw choppers on 60 sorties during 25 hours to pluck victims from the tops of houses and vehicles and from flash-flooded washes.

Proof of the Guard's quick reaction time was the performance by 62 volunteers of the 1st Battalion, 180th Field Artillery, who received the first call for help at 2 a.m. to deliver a water trailer to the Cocopah Elementary School refugee center as a countermeasure for possible water contamination at the school.

Within 40 minutes of being alerted at their homes, the

volunteers were reporting at the National Guard Armory and preparing 16 heavy duty trucks for missions.

LT. COL. Russell Hall of Phoenix, aircraft commander on one of the Choctaws, and his crew picked up a teen-age girl refugee at Greenway Elementary School who was suffering from acute appendicitis. She was delivered to emergency at Scottsdale Memorial Hospital.

Another of the 20 volunteer pilots answered a ground wave for help for a woman in a car who had had a heart attack on the Salt River Pima-Maricopa Indian Reservation. They took her to a nearby treatment center.

One Guard chopper picked up two doctors from the Cocopah School and dropped them off in time to perform surgery at Phoenix Baptist Hospital.

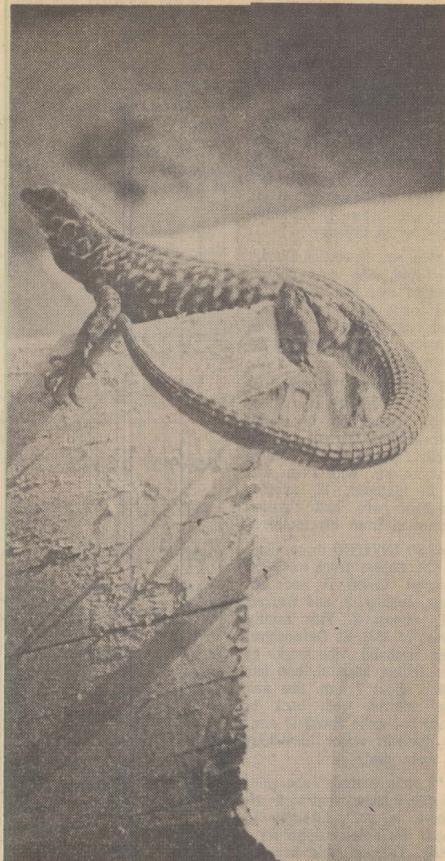
CHOCTAW CREWS remained on duty with helicopters cocked ready to go until midnight and then were on standby until 5:30 a.m. today. Missions were coordinated with law enforcement agencies and health authorities.

At Luke, 43 out of the total 53 helped were considered in danger of losing their lives had it not been for rescue by three choppers of the 302nd Aerospace Rescue and Recovery Squadron, Air Force Reserve, and one from Detachment 15, 42nd Aerospace and Recovery Squadron, Military Airlift Command.

One of the 302nd's more dramatic rescues was carried out by M. Sgt. Andrew Bernal, a paramedic, who assisted Richard L. Surett, 25, at the damaged home of his parents at 6125 E. Surrey, Scottsdale.

"FROM WHAT I could gather," the sergeant related, "this man had suffered a broken leg when part of the house collapsed. We took him to Scottsdale Memorial Hospital."

Turn to ●MILITARY, Pg. 30



A typical Arizona resident, looking for high ground during yesterday's devastating floods, this lizard scampers to top of fence.

SEA OF MUD

Flood Becomes Sticky Problem

Low-lying areas in the path of the flood that coursed through Indian Bend Wash today became a sea of mud as the waters began to recede.

Everywhere evidence of water erosion was apparent. Paving was badly undercut at the entrance to the Kaiser-Aetna McCormick Ranch Development on North Scottsdale Road and dikes across large expanses of open land were broken through in many places.

PROPERTY OWNERS, tradesmen, utility and governmental personnel were out in force cleaning up debris, repairing communication lines and scraping up mud along low-lying roads.

Golf courses in the wash

from the McCormick Ranch to South Scottsdale still were largely inundated at noon today with very little evidence of erosion damage.

The Vista Del Camino area south of Scottsdale Road, always a disaster area in past storms, was in good shape this time since an urban renewal program removed the old houses from the wash and relocated the owners on high ground nearby.

SCENE OF many hasty repairs was the Cholla Street district, where tornadic winds Wednesday night did great damage to many homes, some of which were under construction, and then was badly ravaged by yesterday's rains.

Residents had put up tarpaulins over broken roofs, propped up sagging walls and made other makeshift repairs to their buildings.

on. His column will be

HOME
★ ★ ★
EDITION

The Phoenix Gazette

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Vol. 92, No. 269 10 CENTS A COPY

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PHOENIX, ARIZONA, THURSDAY AFTERNOON, JUNE 22, 1972

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(Four Sections 84 Pages)

Floods Swirl Through Valley



Gazette Staff Photos

Portion of Lincoln Drive, near 36th Street and Tatum, washes away in flooding today.

Flood waters ran rampant throughout Phoenix and the Valley today in the worst storm since Labor Day, 1970.

At least one death was being investigated and several motorists were reported missing as normally dry washes, canals and streets gurgled with river-deep floods.

AMBULANCES were dispatched to a nursing home near Seventh Avenue and Campbell to rescue residents imperiled as the Arizona Canal began to give way.

Downtown offices sent their employes home as the flood threat built up in virtually every section of the Valley.

Today's storm was a vicious counterpunch to south central Arizonans, just beginning to pick up the pieces from tornado damage last night.

The National Weather Service office at Sky Harbor International Airport reported 1.64 inches of rain in the last 24 hours, bringing the total for the month to 1.70 inches. The previous wettest June since records began in 1895 was .95 of an inch in 1955.

AT 28TH Street and Highland, a fantastic 4.28 inches reportedly fell.

Canals throughout the Valley were overflowing, adding to the flood danger.

Traffic signals were wiped out and the Maricopa and Black Canyon Freeways were

More News, Pictures
On Page 22 and
Second Front Page

closed completely. Both Interstate 10 and I-17 inside Phoenix were closed.

NO TRAFFIC at all was permitted into Scottsdale.

Flooding was expected to nearly double as plans were made to release water at Indian Bend Wash and Skunk Creek.

Camelback Mountain vicinity was a near-disaster area as rock slides closed all traffic arteries and, according to one sheriff's department spokesman, "threatens a couple of homes, as well."

PLEAS FOR sand bags came from sections of northeast Phoenix this morning as homes were flooded by as much as six inches of water.

Seventy-five homes were destroyed by tornadic winds in Scottsdale last night and at least 100 others on the extreme northern edge of Scottsdale received heavy damage. Some injuries were reported—all of a minor nature.

At least six tornado funnels were spotted as the storm exploded just before sunset at Eloy. Walls and windows were blown in on the main street of the cotton town of 5,400. The southeastern residential dis-

trict was severely damaged as at least one of the funnels plowed through a 12-block area in a Z shape.

"IT LOOKED like smoke, there was so much wind and rain and the air was filled with debris," said Leo Del-sando, an Eloy merchant.

Authorities said it was impossible to estimate damage immediately.

Other tornadoes were reported in Maricopa, about 25 miles south of Phoenix, where several trailers were overturned. West of Glendale, 21 trailers turned over and another 50 were heavily damaged.

Damage to eastside Tucson homes during the night will run as high as \$1.5 million, according to Red Cross.

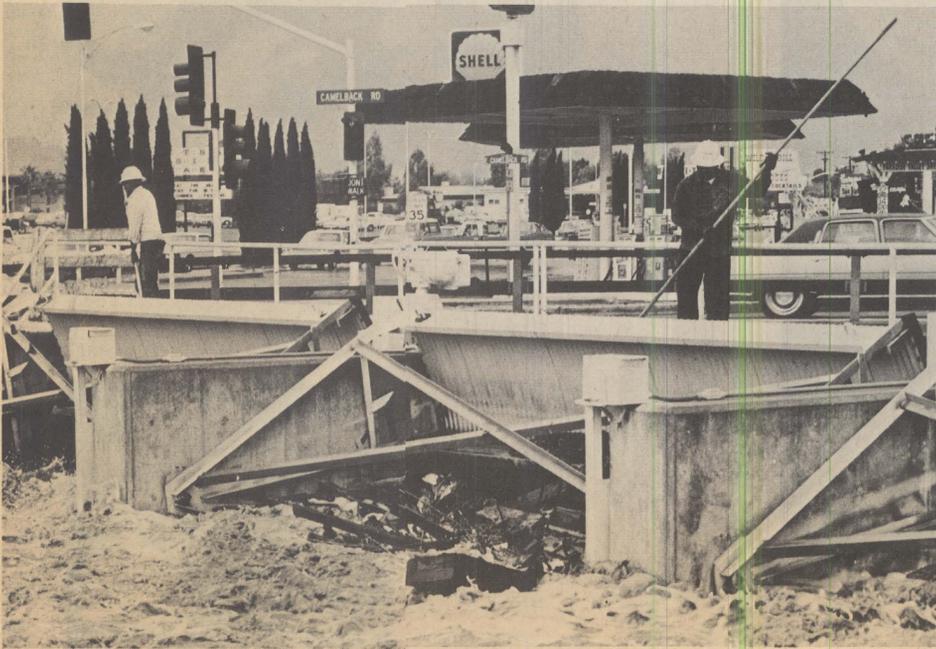
THE STORM yesterday struck most areas at or near sunset.

The counterpunch struck at about 7 o'clock this morning. Hail, high winds and locally heavy rainfall were reported throughout Phoenix.

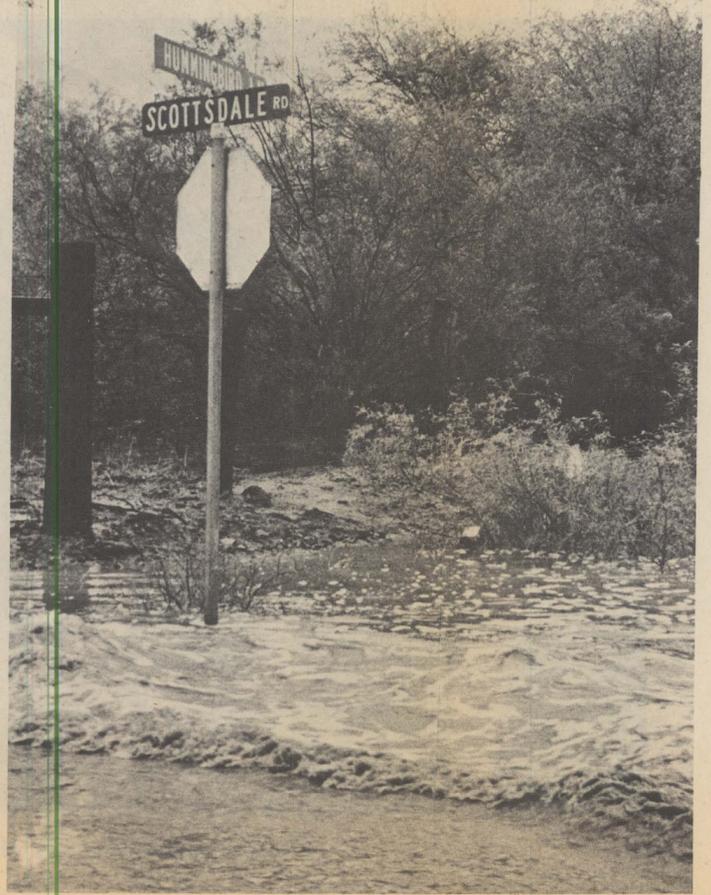
Phoenix Fire Department said it was "totally bottled up." The department said flooding was reported through the entire eastern side of the city.

The storm "disrupted everything," said an Arizona Public Service Company spokesman.

Tornado-force winds
Turn to ●STORM, Page 4



Workers fight debris in rising Arizona Canal



Rushing waters block north city streets

... looks worse by day



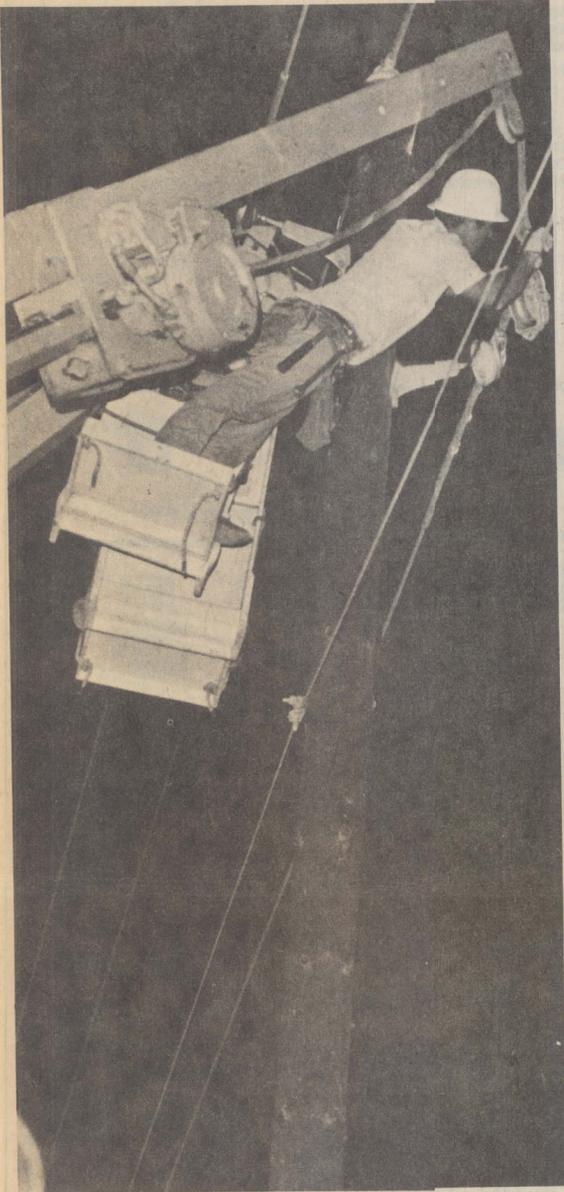
Volunteers fill sandbags at stadium



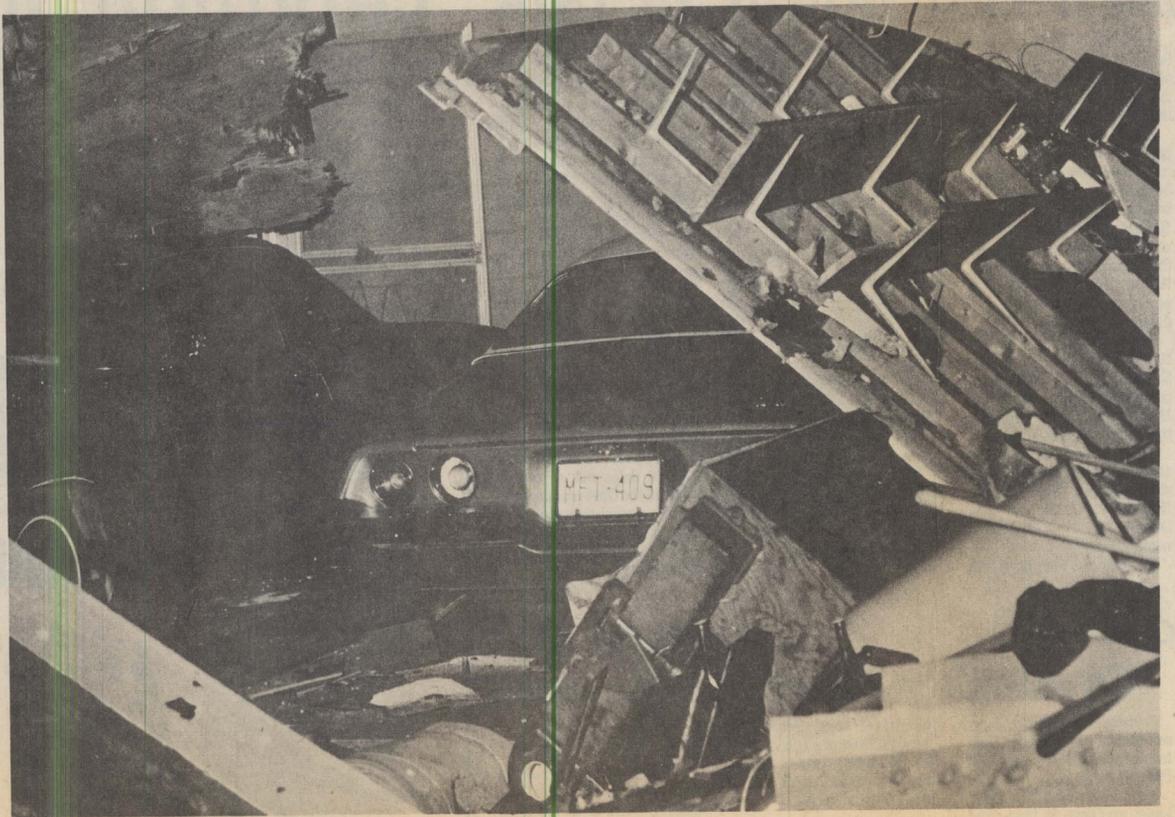
Lafayette St. now a river as canal breaks



Large truck stalled by deep water



APS crews worked on electrical lines throughout the night



Hundreds of cars were damaged as carports collapsed

The scene last night . . .



Flooded streets stranded many cars



Roof of one home lies in street in front of another house on Desert Cove



Scottsdale Road was awash in the McCormick Ranch area

Progress photos
by Dennis Carroll,
Bob Snider
and Lee Pierce

FLOOD CONTROL DIST. OF MARICOPA COUNTY
3325 N. DURANGO
PHOENIX, ARIZONA 85009

TORNADO, FLOOD SLUG CITY

By JACK KARIE and MAXINE GOODMAN

Scottsdale staggered under a devastating one-two punch as tornadic winds ripped roofs from homes last night and torrential rains caused heavy flooding and canal breaks today.

A storm, described by a weatherman as a tornado, cut a five-mile swath through northern sections of Scottsdale, Phoenix and Paradise Valley last night, causing millions of dollars in damage to more than 200 homes and leaving scores of injured in its wake.

Scottsdale Rural Fire Chief Lou Witzeman estimated that every second home in a general line running northeast from 60th Street and Shea Boulevard to Bell Road was damaged by the storm.

The winds were followed this morning by an average two-inch rainfall which made residents prisoners in their own homes as daps in the roadways filled with three and four feet of water.

Mayor Bud Tims termed the wind and rain storms a disaster and marshaled all city employes with city firemen working around the clock, and set up an emergency station at Cocopah and Mohave Schools. Civil Defense workers manned command post at Cocopah.

There were reports that at least two persons had been electrocuted in the storm. It was confirmed that two persons were treated at Scottsdale Memorial Hospital for electric shocks but both still were alive at press time.

At 11 a.m. today more than 2,500 cubic feet per second of water flow was loosed from the Arizona Canal into Indian Bend Wash with city officials predicting that Scottsdale would be cut in half by dusk.

Doctors and nurses were dispatched to an emergency station set up in the home of a fireman at 8731 E. Oak to take care of stranded persons on the eastside unable to reach the Scottsdale Memorial Hospital in downtown Scottsdale.

Every available crew from Arizona Public Service Co. was working to protect persons from high-voltage wires downed last night and the danger of gas escaping from broken lines.

Spokesman Ted Dando of Arizona Public Service said at least 17 feeder lines, carrying 12,000 volts each, were down in the area. Crews were called in from as far away as Prescott and Flagstaff.

Dando said some areas — especially in the hard-hit Paradise Valley area — may be without power for 16 to 24 hours.

Witzeman said he used every available fireman to go from house to house and treat the injured, most of whom were cut by flying glass and other debris.

The tornadic wind swept across Scottsdale Airport last night knocking airplanes around as if they were tennis balls, the chief reported. He said at least eight planes were damaged severely including a \$250,000 helicopter which broke loose from its moorings and crashed into a smaller plane.

There was one report that a motorist was trapped inside his car as it was swept from Lincoln Drive near 60th Street this morning. Helicopters were called in from Luke Field to make a search for the stricken car.

Other emergency centers were set up in North Scottsdale

restaurants and business establishments to feed and shelter residents who could not get back to their homes today because of rising waters in the washes in the area.

Although most of the damage was confined to the area in north Scottsdale and Paradise Valley, there were many reports of flooding coming from areas south of the Arizona Canal as floodgates were opened into Indian Bend Wash.

Adding to the confusion and misery was the fact that power went out in most areas and both water lines and gas lines were broken by rushing waters.

Robert March, 18, of 8106 N. Scottsdale Rd., said the windshield on his car was shattered by the force of last night's wind. He aided other motorists in the vicinity of Shea and Scottsdale before going to the hospital for treatment of cuts and bruises.

Two unidentified motorists were rescued from their car early today when a downed power line draped across the vehicle, trapping them inside. Officials of APS cut off power in the area as an emergency measure.

Scottsdale Daily Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

Vol. XII, No. 109

SCOTTSDALE, ARIZONA, THURSDAY, JUNE 22, 1972

35c Per Week — 10c Per Copy



EMPTY SHELL of home in the 62nd Street and Shea area (left) was one of hundreds heavily damaged during a tornado that swept through North Scottsdale and Northeast Phoenix Thursday evening. Heavy rains this morning caused flooding of the Arizona Canal (below), which eventually broke in at least four areas in Scottsdale. Photo here looks north in area behind Safari Hotel.

Photo by Dennis Carroll

Victims tell experiences

By PAT McELFRESH
Progress Staff Writer

"It sounded like the front door was being pounded down. Then it blew apart right into the house, windows crashed in and beams started flying. We all got down on the dining room floor."

The Thomas A. McGinn family was in the middle of dinner last night when the thunderous winds hit their home at 6308 E. Clinton, a block north of Shea Boulevard.

When the storm had passed, the roof was gone from most of the house, pieces of it floating in the swimming pool, and the south wall of the house had caved into the living room, but the parents and four children were uninjured.

Their dinner plates were intact on the dining room table and books stood upright on wall shelves. The wall clock had stopped at 6:37 p.m., when the storm hit. The McGinns took shelter with neighbors across the street.

This was the scene repeated over and over in north Scottsdale, northeast Phoenix and Paradise Valley as early evening high-velocity tornadic winds skipped through the residential areas leaving destruction and ruin at every second or third house.

Mrs. James Reabe, her three children and their dog fled from room to room seeking refuge, but the roof was being torn apart by the storm. "Every where we went, things were crashing down around us," she said. They finally huddled in a pantry area and escaped without harm.

When her husband arrived home from work, he found the 6326 E. Clinton residence deep with fragmented beams and insulation, inundated with water and strewn with broken glass and shattered concrete blocks.

A carport storage room appeared to have been blasted apart, and Christmas decorations poked out from under grey shards of concrete. At the rear of the one-acre lot, the rooftop air conditioner had been tossed as if it had been a marshmallow.

The Reabes moved in with the Robert C. Runjons across the street, where the house had its roof slightly dislodged but was snug shelter for both families.

Mrs. Ronald R. Young, 6134 E. Clinton, was in her split-level home alone when she said she heard the sound of rocks being thrown. It was hailstones the size of ice cubes. Her husband was still at work in Phoenix and their two children, Cheryl, 15, and Dale, 13, were at the rear of the property in the tack room.

The teen-agers raced through the pounding hail to the safety of the house. "I ran to the second floor to get shoes because I knew there would be broken glass," Mrs. Young said. Moments later, the roof and ceiling caved in on that area.

After the storm abated, the dozen or more horses kept in corrals in the rear were herded across the street to another corral because the fences had been torn apart.

Houses along the mud-clogged side streets west of Scottsdale Road and north of Shea Boulevard had candlelight flickering in the windows. Here and there the white-white light of camping lanterns was evident, glinting off desert lawns which had become shallow lakes.

Occupants were picking their way through debris-filled dirt roads, checking with neighbors to ascertain their safety.

After the impact of the storm became the stark reality of ruin, neighbors grouped together, sharing snacks and drinks and trying to keep conversation light.

"Be sure and come over tomorrow," one man called out. "We're having open house!"

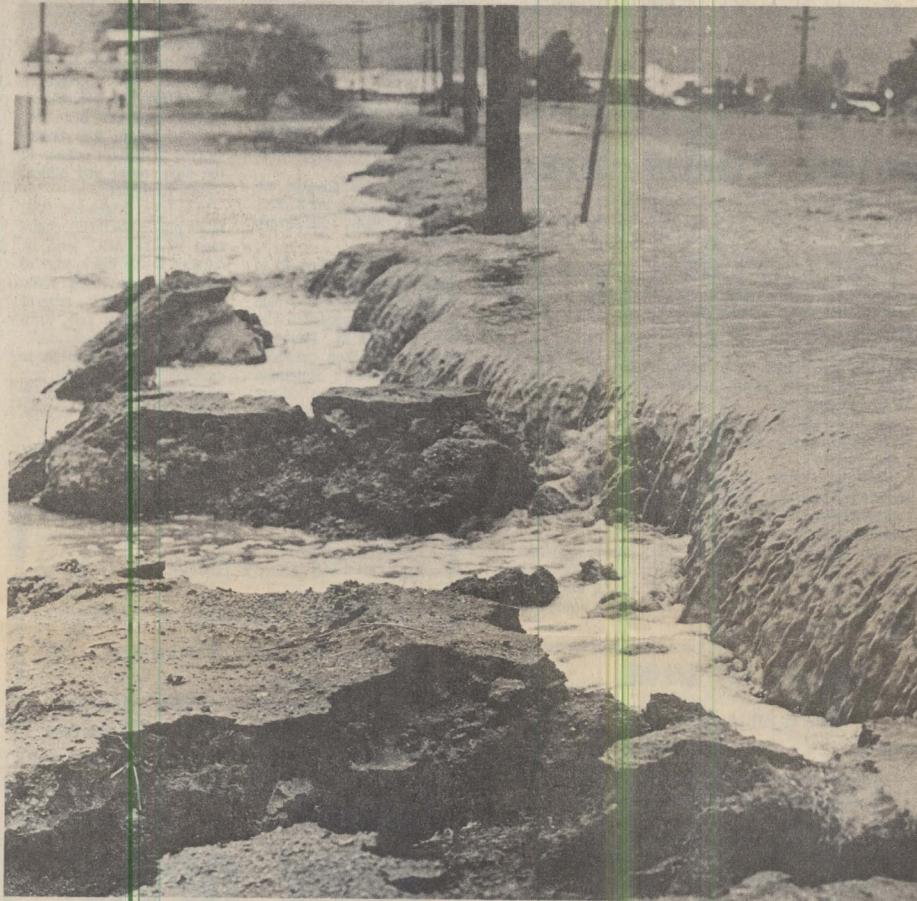


Photo by Bob Snider

Following tornado Emergency room brisk, calm

By JONATHAN MARSHALL
Progress Editor

Business was brisk last night at the emergency room of Scottsdale Memorial Hospital.

On a normal evening between 9 and 12 p.m. the case load averages 25 persons, according to hospital officials. Last night 50 patients were brought in.

Ambulances from various Valley services joined Kord ambulances and private cars in bringing victims of last night's tornado to the hospital. Despite the increase in traffic, the atmosphere was one of calm efficiency.

Most cases involved minor injuries and were treated routinely. One man fell down stairs and injured his shoulder. Another stepped on a roofing nail. And a teenager suffered head lacerations when the car in which he was riding

was hit by another vehicle on North Scottsdale Rd.

Two elderly women who are visiting from Philadelphia were brought in to the hospital early in the evening when a wall collapsed in the home in which they were staying. Although not injured, they spent the night at the hospital.

Nurses Truele Weiss and Susan Peluso, who were on duty, reported that most persons were unusually cooperative. Sylvia Bridwell, at the admitting desk, said that there was "a real team spirit" among patients and staff.

One ambulance driver said that as soon as he brought a patient in he had a call waiting to pick up another storm victim. Flooded streets and downed power lines slowed the ambulances.

In the waiting room relatives and friends waited calmly for the victims

to be treated. They talked quietly with each other and exchanged stories and information about damage and conditions in the areas from which they had come.

A new stucco home was being constructed on Emil Zola Street across from one woman's home. "It was just like someone took a knife and sliced the top of the building off," she said.

A wall collapsed at 6125 E. Joan D'Arc. "We had to climb over rubble and furniture to get out," a young man reported after bringing a storm victim to the hospital.

Despite the heavy case load, however, no extra staff was brought in for the emergency room, where the most serious case last night was a broken leg, according to one attendant.

Storm classed 'full tornado'

"A full-fledged tornado" is the description given last night's storm by meteorologist Willard Groene, based on readings from instruments in his Mummy Mountain observatory.

Groene cited instrument reactions which are associated with tornados. "The barometer registered a 'double dip,' a characteristic down-up-down move caused by a tornado passing through. A tremendous change in temperature — 40 degrees, from 110 to 70 — was recorded in 20 minutes at 6:34 p.m.," he said.

"The highest main wind velocity was 30 miles per hour from the southeast, but the wind was blowing from all directions and this irregularity indicates a great deal of turbulence, also associated with tornados," Groene said.

The meteorologist said the storm's path was almost identical to a tornado he saw in action and photographed Oct. 19, 1971 at 1:40 p.m. "It destroyed one home and knocked down transformer poles in the same area as affected last night. I hope this doesn't mean Scottsdale has become a tornado path."

Groene said he did not see a tornado funnel explaining he was away from his mountaintop home, dining out.

In 4 places Canal breaks

At noon today the Arizona Canal broke in four places near McDonald Drive with most of the water going into Indian Bend Wash where the flow was reported exceeding 3,000 cubic feet per second (cfs).

Earlier city officials had asked Salt River Project engineers to break the canal as water was building up to the north flooding many of the homes there.

Ironically the city's new \$70,000 floodgates installed at the Canal and the wash were not operable because machinery had not been installed so that the gates could be opened. SRP officials had refused to allow the operating mechanisms to be installed until rights-of-way could be acquired for a channel to the south.

SRP earlier had opened its own gates, releasing as much as 2,500 cfs into the wash.

A break in the north side of the Arizona Canal at 68th Street and Indian School Road caused up to 2½ feet flooding there. Homes on the north side of the canal were being flooded from the break. About six inches of water was flowing over a 40-foot-long break.

At 1 p.m. all east-west arterials to East Scottsdale were blocked with waters still rising. Scottsdale residents having to travel home across the wash had to use the Salt River Bridge at Tempe.

Air Force and National Guard helicopters were stationed at the main fire station and Memorial Hospital ready to evacuate any persons marooned by the rising waters. At a late hour today the aircraft had rescued two persons.

At 10 a.m. today city police went into the Vista del Camino area in the wash south of McDowell Road and used loud speakers advising residents there to evacuate as waters rose.

More than 2½ inches of rain fell in the Mummy Mountain and McDowell Mountain areas after 7 a.m., following an average of about one inch that fell after last night's tornado.

The water coursed into the Indian Bend Wash north of the Arizona Canal and off the desert into the canal. Earlier SRP officials had stopped the flow of irrigation water into the canal, but it overflowed with runoff water.

The heavy rain caused many Scottsdale residents to recall a disastrous Labor Day, 1970, flood in which the canal broke in several places, flooding scores of Mohave area homes and causing millions of dollars worth of damage.

Disaster ruling is sought here

Efforts were under way today to have the storm-ravaged areas of Scottsdale, Paradise Valley, and Phoenix declared disaster areas so that governmental aid can be made available to victims.

Governor Jack Williams was in Wyoming and the acting governor, Secretary of State Wesley Bolin, was missing from his office at noon today.

Staffers at Bolin's (fice said they believed his car may have been stalled in bad waters as he attempted to drive from his home on Coultry Club Drive at 7th St. and Thomas to the statehouse.

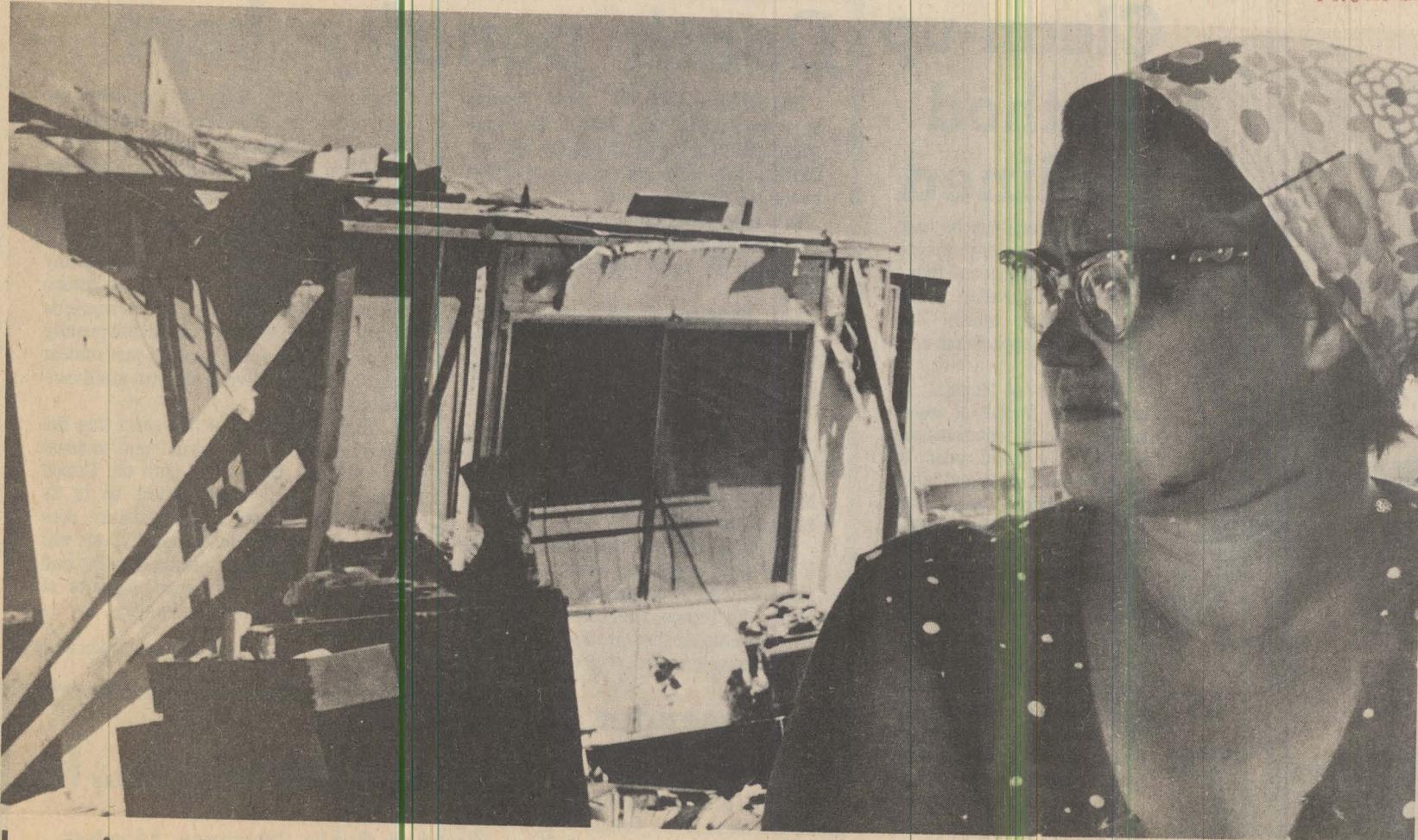
"We have tried to call Mr. Bolin at his home and have been unable to reach him, we just can't locate him," one of Bolin's aides said.

Stan Goldberg, district director of the U.S. Small Business Administration, said that the areas affected were not large enough for federal agencies to declare a disaster.

Goldberg said that he has asked the governor's office to declare a state disaster so that the SBA could make low-cost loans available to owners of homes and businesses damaged in last night's tornado or today's flooding.

Scottsdale Progress
6/22/72

FLOOD
MARI
3325 W.
PHOENIX



Cleaning up

The shock is over and now comes the cleaning up. Mrs. E.W. Baker (shown) and her husband, of 6134 E. Shea, were among the hardest hit by the two-day storm. The Bakers are waiting to

see if their insurance will cover the financial loss of their home (in background).

Photo by Dennis Carroll

(Continued from page 1.)

Scottsdale, an exclusive winter resort, no traffic was permitted into the area, police said.

The Salt River Project said there appeared to be no danger of canals breaking as flood gates dumped water into the dry Salt River bed south of Phoenix.

Arizona Public Service and the Salt River Project reported scattered power outages and traffic was snarled at intersections in east and north Phoenix when traffic signals quit working.

The National Weather Service said some sections of Phoenix may have received 2.5 inches of rain. At the weather bureau, 1.2 inches of rain had fallen.

Farther south, the small communities of Eloy and Maricopa were digging out from the debris left when two tornadoes struck the towns late Wednesday. Another tornado was spotted north of Mesa today, but it apparently did not touch down.

"It looked like smoke; the air was filled with debris," said Leo Delgado, a merchant in the town of Eloy, of the wind and rain.

Police said high winds completely destroyed some homes in Paradise Valley, a fashionable Phoenix suburb, and ripped roofs from at least 100 more.

Throughout central and southern Arizona the picture was much the same. Tornadoes ripped apart mobile homes in Eloy and Maricopa, where 12 persons were reported injured. Four remained hospitalized today.

Beverly Neff, whose Tucson home was virtually destroyed, said she saw the storm approaching with horizontal sheets of rain.

"I ran outside to get the dog, who was tied to the porch," she said. "Just as I got inside, I saw the porch go up in the air. Then I heard the rest of the roof go..."

Donna Kelly, 19, said hail in Glendale, a west Phoenix suburb, was the size of ice cubes. "We made an iceman," she said. "I couldn't believe it in the middle of June."

Many areas were without power.

Police in several Arizona cities, including Phoenix and Tucson, reported that travelers were trapped inside their cars when live electrical wires fell on them. There were no reports of injuries.

The National Weather Service issued flash flood warnings for vast sections of Gila, Pinal and Maricopa counties, where waters were spilling over dry creek beds and arroyos as thunderstorms appeared trapped between large mountain ranges.

The Weather Service predicted more wind and rain today, although tornado alerts which were in effect for more than two hours were lifted Wednesday night.

Authorities said the tornadoes knocked out electric power to the communities of Eloy and nearby Arizona City and reports from the populous Phoenix area indicated scattered power outages were still occurring early today.

Paradise Valley, located on the north side of the exclusive Camelback Mountain area, appeared to be the hardest hit.

Police at the scene estimated 200 homes were damaged or destroyed and predicted that damage could run into millions of dollars.

Troops Sent to Storm Area

Valley Damage Mounts

By THE ASSOCIATED PRESS

The Governor's office placed the Arizona National Guard on alert and the Air Force began sending troops into a fashionable area of Phoenix today as the second straight day of floodwaters swamped parts of central Arizona.

"If they need 1,000 men from the guard, they can have them," said Bob Macon, press secretary to Gov. Jack Williams. "We'll call them out as they're needed."

A spokesman for Luke Air Force Base said at least 10 trucks and an undetermined number of airplanes have been sent to the Paradise Valley area in northeast Phoenix.

Police said high winds and at least three tornadoes have injured scores of persons, damaged or destroyed more than 300 homes and sent loss estimates soaring into the millions of dollars.

At least four breaks in irrigation canals which run through Phoenix occurred today, sending flood waters into vast residential areas. Air Force and National Guard helicopters were sent out to rescue victims stranded by the flooding.

Col. Carl N. Smith, state director of emergency services, said one area in north Phoenix received 4.2 inches of rain, mostly since 6 a.m. The National Weather Service recorded 1.64 inches.

Police in the resort Phoenix suburb of Scottsdale said the city would be cut in half as water poured down the flooded Indian Bend Wash, which drains a large area northeast of Phoenix. Police said there are no bridges across the wash.

The Weather Service issued flash flood warnings for half of the state today as the storm rumbled northward.

Police described the fashionable Camelback Mountain area of Phoenix as a near-disaster area as rock and mud slides crippled traffic and threatened at least two exclusive homes.

Rains began as early-morning commuters began leaving their homes. The Arizona Highway Patrol said flooding forced it to close the Black Canyon Freeway, "making it look like a parking lot" as thousands of motorists were trapped on the busy thoroughfare.

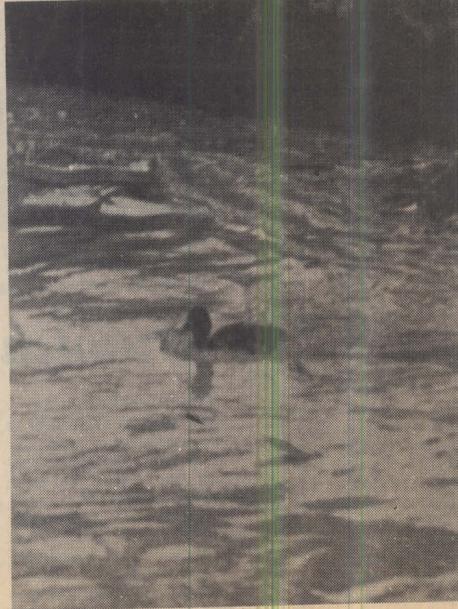
Phoenix police said traffic on some roads was backed up 10 miles during the peak rush hour and an estimated 20 per cent of the city's streets were closed.

The Salt River Project opened flood gates on its vast system of irrigation canals in the Phoenix area in an effort to help drain the flooded city. Police said the number of homes and businesses flooded would run into the hundreds.

In the east Phoenix suburb of
(Continued on Page 16)



THIS WAS SCENE at Pima Road crossing of the Arizona Canal in east Scottsdale area as a desert runoff poured into the canal. (Duane Binnie Photo)



EVEN THIS DUCK had a hard time battling the water near the Arizona Canal flood gates at Scottsdale Rd. and Camelback Road. (Duane Binnie Photo)



TORNADO AFTERMATH—Three persons search through debris of a house which was destroyed Wednesday when a tornado ripped through central Eloy. Old cotton gin in the background had part of its roof torn off. (AP Wirephoto)

Barred

drawn was "the effect" upon the dismantling of racially separate school systems.

In a rare departure from virtual unanimity in school cases, the court split in barring the separation of Emporia, Va., from the Greensville County system.

The four Nixon administration appointees dissented in a bloc.

Chief Justice Warren Burger, speaking for them, charged the majority with going "too far" (Continued on Page 16)

Obsiek

United States
Department of the Interior
Geological Survey
Water Resources Division

Flood of June 22, 1972, Indian Bend Wash
Maricopa County, Arizona

Phoenix, Arizona
July 1972

On June 22, 1972, the area from downtown Phoenix to the Phoenix Mountains and across Paradise Valley to the McDowell Mountains received as much as 4 inches of rainfall within a 2-hour period. Flooding occurred along Indian Bend Wash from Paradise Valley, through Scottsdale and the north part of Tempe, to the Salt River. Flooding also occurred up-slope of the Arizona Canal in Scottsdale and Phoenix and down-slope from the Arizona Canal in Phoenix. Very large unit discharges resulted from the intense rainfall in small drainage areas along the southern part of the Phoenix Mountains. In Paradise Valley and on the southwest slopes of the McDowell Mountains large areas were inundated by sheet flow.

This preliminary report covers the flooded areas mainly along Indian Bend Wash. Rainfall data points and peak flood determination points are shown on the general location map (fig. 1). A listing of peak streamflow discharge rates, sizes of drainage areas, gage heights, and values of unit runoff are given in table 1. Approximate area flooded along Indian Bend Wash is delineated on aerial photomosaics (figs. 2 and 6). Individual photographs of the flooded areas are shown in figures 3 through 5, and 7 through 14.

Figure 1. --Map of area showing location of flood-determination points and precipitation data for June 22, 1972; Phoenix, Scottsdale, and Paradise Valley areas, Arizona

EXPLANATION

■ 8

Gaging station

□ 5

Miscellaneous measurement site
(Numbers correspond to those in Table 1)

△ 3.44

Precipitation data point
(Number is unofficial rainfall in inches)

R.2E.

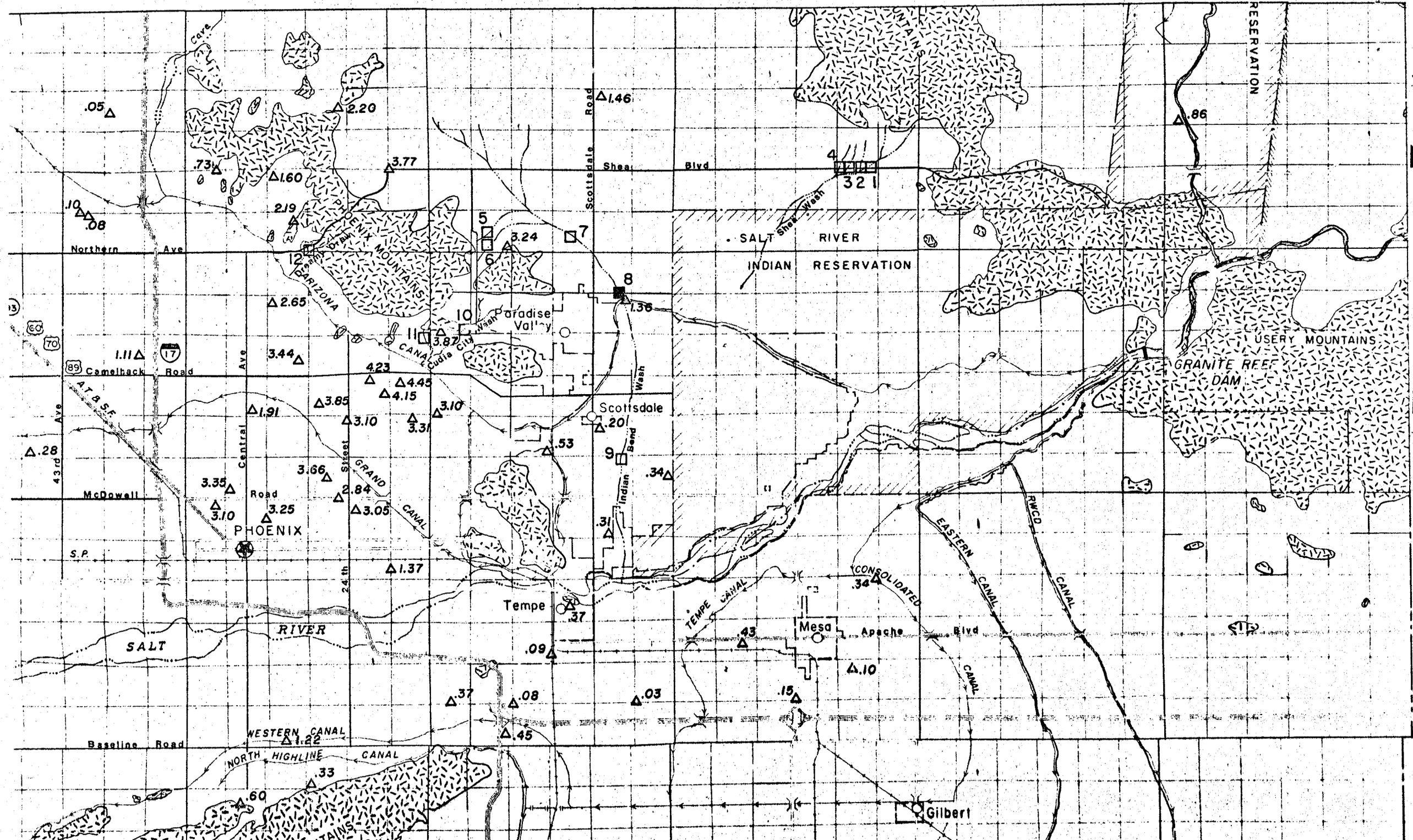
R.3E.

R.4E.

R.5E.

R.6E.

R.7E.



T.3N.

T.2N.

T.1N.

Table 1. --Flood stages and preliminary discharges for peak of June 22, 1972 -- Phoenix, Scottsdale, and Paradise Valley areas, Arizona

Station	Stream and place of determination	Drainage area (sq mi)	Gage height (ft)	Discharge* (cfs)	Unit runoff* (csm)
1	Shea Wash, SE $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	1.79	-	945	528
2	Shea Wash trib No. 3, SE $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	.09	-	86	956
3	Shea Wash trib No. 2, SW $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	.14	-	103	736
4	Shea Wash trib No. 1, SW $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	.12	-	80	667
5	Indian Bend Wash trib No. 1, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 3 N., R. 4 E., at Tatum Blvd in Paradise Valley	.026	-	88	3,400
6	Indian Bend Wash trib No. 2, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 3 N., R. 4 E., at Tatum Blvd in Paradise Valley	.075	-	144	1,920
7	Indian Bend Wash, SW $\frac{1}{4}$ sec. 34, T. 3 N., R. 4 E., at Camelback Country Club in Paradise Valley	83	-	14,500	175
8	Indian Bend Wash (at Indian Bend Rd) nr Scottsdale (gaging station)	142	4.93	20,000	141
9	Indian Bend Wash at Thomas Road in Scottsdale **		7.98	14,300	-
10	Cudia City Wash nr Phoenix, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 2 N., R. 4 E., 1,000 ft upstream from McDonald Drive	2.16	-	4,200	1,940
11	Cudia City Wash trib at 40th St and Rancho Drive, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 2 N., R. 3 E.	.08	-	219	2,750
12	Dreamy Draw (at 16th St) at Phoenix, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 3 N., R. 3 E.	1.62	-	860	530

*All figures are preliminary, subject to revision.

**Slope-area survey run at Roosevelt St.

SALT RIVER PROJECT

P.O. BOX 1980
PHOENIX, ARIZONA 85001

Ohsiek



August 4, 1972

TELEPHONE 273-5900

Mr. Lee Ohsiek
Maricopa County Flood Control District
3325 West Durango Street
Phoenix AZ 85009



Dear Mr. Ohsiek:

Re: Canal Breaks - Storm of June 22, 1972.

Per your request directed to Reid Teeples, Chief Engineer, Water Group, the following submittal lists the canal breaks we experienced from the storm of June 22, 1972. This list refers only to what we consider actual breaks and does not include the many locations that water overflowed the canal banks.

<u>Location</u>	<u># of Breaks</u>	<u>Size</u>
South bank of the Arizona Canal from Granite Reef Road to the Indian Bend Wasteway	8	Varied - 4' to 60' wide, 5' to 6' deep
NE corner-Arizona Canal and East McDonald Drive (This was a breach made by the city of Scottsdale)	1	25' wide, 6' deep
South bank of the Arizona Canal approximately 250' west of 40th St.	3	25' wide each, 4' to 5' deep
South bank of the Grand Canal - 100' east of 7th St.	3	30', 20' and 10' wide, 3½' to 4' deep

Mr. Lee Ohsiek
Canal Breaks, Storm of June 22, 1972
August 4, 1972
Page 2.

<u>Location</u>	<u># of Breaks</u>	<u>Size</u>
South bank of the Grand Canal 100' to 400' east of Central Avenue	3	40', 30' and 20' wide, 4' to 5' deep

The attached map shows location and description of breaks and numerous areas of overflow including overflow at our designed flood control spillways.

If we can be of further service on this subject, please let me know.

Very truly yours,



D. L. Weesner
General Superintendent
Water Construction & Maintenance

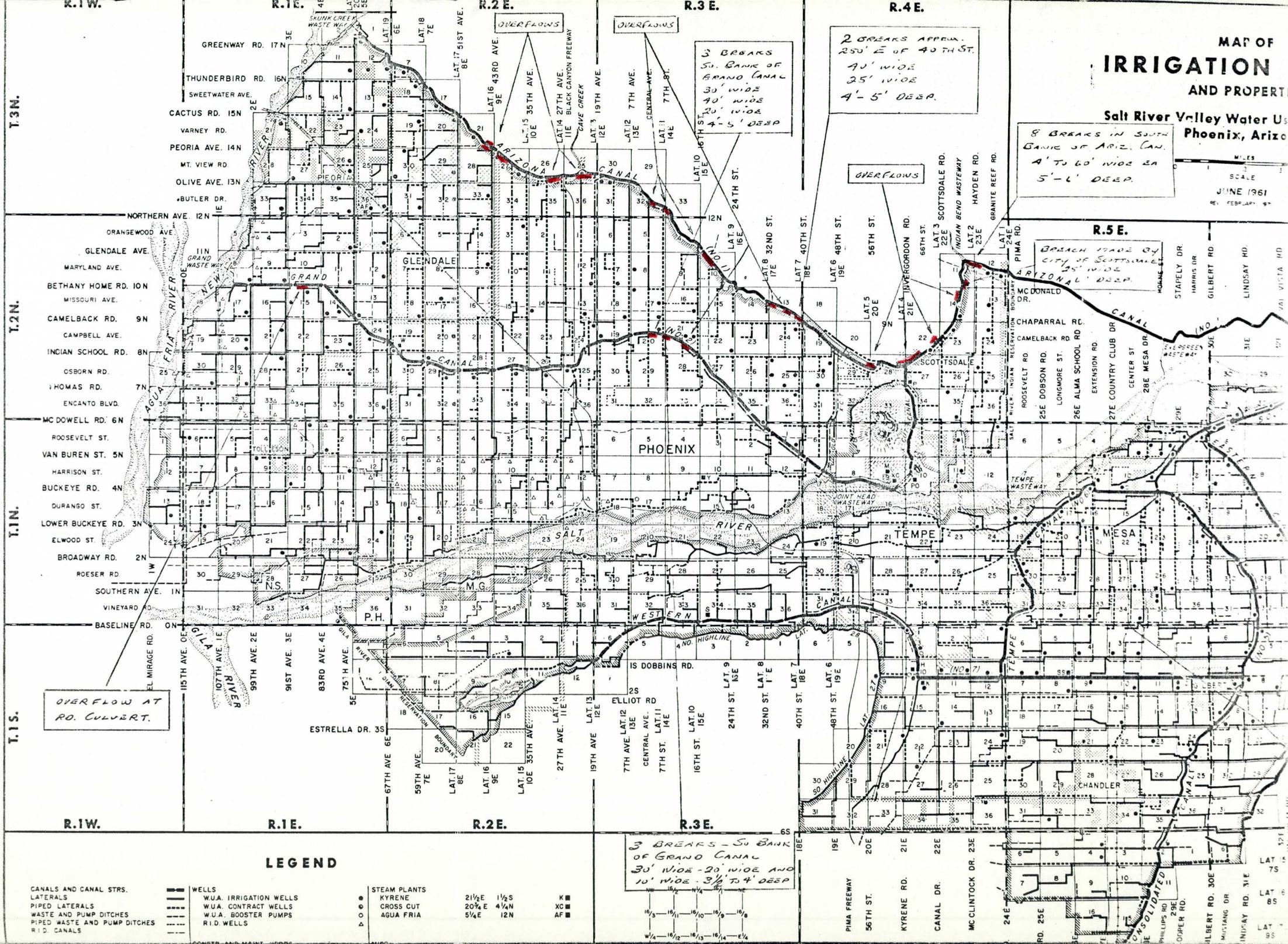
Attachment

cc: S. Friar
H. Shipley
R. Teebles

MAP OF IRRIGATION AND PROPERTY

Salt River Valley Water Users
Phoenix, Arizona

SCALE
MILES
JUNE 1961
FEBRUARY 1957



2 BREAKS APPROX.
250' E OF 40TH ST.
40' WIDE
25' DEEP
4'-5' DEEP.

3 BREAKS
S. BANK OF
GRAND CANAL
30' WIDE
40' WIDE
20' WIDE
4'-5' DEEP

8 BREAKS IN SOUTH
BANK OF ARIZ. CAN.
4' TO 60' WIDE EA
5'-6' DEEP.

BREACH MADE BY
CITY OF SCOTTSDALE
25' WIDE
15' DEEP

3 BREAKS - S. BANK
OF GRAND CANAL
30' WIDE - 20' WIDE AND
10' WIDE - 3 1/2' TO 4' DEEP

OVERFLOW AT
RD. CULVERT.

LEGEND

- | | | | | |
|---|---|--|--|---|
| <ul style="list-style-type: none"> --- CANALS AND CANAL STRS. --- LATERALS --- PIPED LATERALS --- WASTE AND PUMP DITCHES --- PIPED WASTE AND PUMP DITCHES --- R.I.D. CANALS | <ul style="list-style-type: none"> ● WELLS ○ W.U.A. IRRIGATION WELLS ○ W.U.A. CONTRACT WELLS ○ W.U.A. BOOSTER PUMPS ○ R.I.D. WELLS | <ul style="list-style-type: none"> ● STEAM PLANTS ○ KYRENE ○ CROSS CUT ○ AGUA FRIA | <ul style="list-style-type: none"> 2 1/2 E 20 1/4 E 5 1/4 E 1 1/2 S 4 1/4 N 12 N | <ul style="list-style-type: none"> ■ ⊗ ⊠ |
|---|---|--|--|---|

RECORD ARIZONA FLOODS OF JANUARY 1993
A HYDROMETEOROLOGICAL OVERVIEW

...PRELIMINARY REPORT...

Arizona's flooding and flash flooding during January 1993 was strongly influenced by two factors in the middle and upper atmosphere: 1) a vigorous subtropical jetstream whose mean position was farther north than is usually the case, and 2) a persistent area of high pressure centered over the Gulf of Alaska. Another contributing factor was nearly saturated antecedent soil conditions and water-laden snowpack over many Arizona watersheds.

The persistence of unusually warm water in the equatorial central and eastern Pacific Ocean (El Nino) played a role in the evolution of the subtropical jet stream early this winter. Specifically, the unusually warm water helped to intensify shower and thunderstorm activity near the International Date Line. This, in turn, affected the location of the subtropical jet as well as the amount of mid- and-upper level moisture it transported.

During early December, the polar jet maintained an unusually strong west-to-east flow as it crossed the Pacific Ocean. By late December, the polar jet stream changed, forming a strong area of high pressure in the Eastern Pacific with upper level north-to-south winds evolving from the Arctic to the West Coast. An intense storm moving through the central Pacific amplified the high pressure area over the Gulf of Alaska and caused a "secondary" polar

jet stream to form just north of Hawaii. This weather pattern persisted for several weeks. It led to colder-than-normal conditions, with periodic Arctic outbreaks, along the west coast of Canada, the northwest United States (US), and adjoining coastal waters. An area of low pressure developed just off the West Coast.

Storms moving through the primary branch of the polar jet ("the northern stream") around the Arctic Circle were steered southward along the west coast of the US, then eastward toward Arizona. These storms became more intense as they moved through the West Coast low. The first in a series of storms brought heavy rains to the valleys and snows to the upper elevations of Arizona during the last week of December. Additionally, a succession of weaker storms in the "secondary" polar jet moved toward Arizona.

These storms sometimes interacted with disturbances in the subtropical jet stream to generate significant "southern stream" disturbances. These disturbances caused several significant precipitation events that affected Arizona, and were more frequent visitors than disturbances moving through the primary polar jet stream.

During January, a number of precipitation episodes affected Arizona. The most significant of these events occurred during the following periods: 6th-8th, 10-11th, 14th-15th, and 17th-18th.

Details concerning each of these events will be covered in other reports. As an overview, many stations in Arizona established new record rainfalls for the month of January. The rate of streamflow on the Salt River through Phoenix was the greatest it had been since 1980. Heavy rainfall occurring over a short period of time on already-saturated ground was the primary factor contributing to the runoff and associated flooding in many areas.

Another factor contributing to the unusually high runoff and associated flooding was snow melt. Since the subtropical jet stream's position was farther north than is usually the case in January, subtropical heat and moisture was pushed further north than usual. As a result, areas that usually do not experience snow melt until spring received rain on top of the snow pack that had accumulated from early-winter storms. For example, the snow level during the January 6-8 event rose to about 8500 ft msl, several thousand feet above typical January snow levels.

Other severe weather events occurred in association with these storms. Tornadoes were observed in Arizona's south-central desert region on January 17th and 18th. A strong, short-lived tornado caused extensive damage over a residential area in north Scottsdale around 12:30 pm, January 17th. Several tornadoes were observed near the metropolitan Phoenix area on January 18th, but apparently caused little or no damage. Large hail, damaging winds and a

possible tornado struck portions of North Phoenix during the evening of January 14, and hail fell from some of the storms on January 18th.

The last major storm system generated in association with the upper air pattern that brought so many storms to Arizona moved out of the state on January 19. Significant changes in the upper air kept Arizona relatively dry for the following 10 days. These changes included a southward shift of the subtropical jet and associated tropical moisture and dissipation of the high pressure ridge over the Gulf of Alaska. Storm systems associated with "primary" polar jet affected areas north of Arizona, while storms associated with the subtropical jet affected areas south and east of Arizona. The drier weather allowed the washes and rivers in the State to recede significantly.

SUMMARY

The combination of a northward-displaced subtropical jet, with its abundant moisture supply and associated disturbances, and a southward-displaced polar jet, with its storm track, led to the abnormally wet period from just after Christmas to mid-January. Both displacements were associated with the persistent El Nino event occurring in the equatorial Pacific Ocean. The hemispheric upper air pattern also supported evolution of a high pressure ridge

across the eastern Pacific, so events occurring thousands of miles west and east of Arizona played a significant role in the unusually wet weather Arizona experienced.



Western Region Technical Attachment
No. 93-02
January 26, 1993

WARM EL NINO CONDITIONS UNEXPECTEDLY RETURN

Last winter a relatively strong El Nino warm event occurred in the central Pacific. Sea surface temperatures near 155°W were approximately 2.5°C above the climatological average. This produced the typical atmospheric response with severe drought in Indonesia, northern Australia and southeastern Africa. At the same time, excessive rainfall affected the southern United States, northern Mexico and central South America. By May of 1992, the sea surface temperatures rapidly declined and became near-normal or slightly negative in the eastern Pacific by July 1992 (see Fig. 1). Experimental prediction techniques and comparisons with the intensely studied El Nino warm events of 1982-83 and 1986-87 suggested that sea-surface temperatures would remain near-normal, or possibly evolve into a cold event (anomalously cold sea surface temperatures in the central Pacific) by the 1992-93 winter.

However, late last fall conditions began changing again. Figure 1 shows that the negative anomalies east of 160°W have disappeared and that by December 1992, they have become slightly positive again. Figure 2 shows that the anomalies of outgoing longwave radiation have become negative again near the dateline. Negative outgoing longwave radiation anomalies imply enhanced convection in this area. The negative anomalies were also progressing eastward during November and December. The depth of the 20°C isotherm is also getting deeper in the eastern Pacific (indicating a larger pool of warm water in the eastern Pacific), the equatorial easterly winds are weaker than normal, and the Southern Oscillation Index (SOI) remains negative. All these signs indicate that warm El Nino conditions are again occurring in the Pacific, and the Climate Analysis Center has recently released an El Nino/Southern Oscillation (ENSO) Advisory.

This type of a "second-year follow-on" warm event was not seen in the 1982-83 and 1986-87 El Nino warm events which were carefully observed and examined. In the historical records of El Nino events, such "follow-on" events have been observed, but none with the large number of quality observations that are now available in the central Pacific. In fact, El Nino's have historically been defined by their eastern Pacific component (along the coast of Peru) and were not associated so much with central Pacific warming. It may turn out that this two-year evolution of an ENSO warm event is quite common, but that will have to be examined more closely after we get a longer record of high-quality observations in the central Pacific.

The typical U.S. result of warm El Nino conditions is enhanced precipitation across the southern states and in northern Mexico. The recent rains and flooding in southern California and Arizona certainly seem to fit within this scenario and is, at least partially, similar to the pattern that persisted late last winter. While considerable atmospheric variability remains within El Nino warm events, it is likely that if warm conditions continue through the winter that patterns which favor enhanced precipitation across the southern states of the U.S. (particularly the Southeast) will predominate. The current 90-day forecast indicates above normal precipitation across the South (especially Texas) and reflect some of this signal.

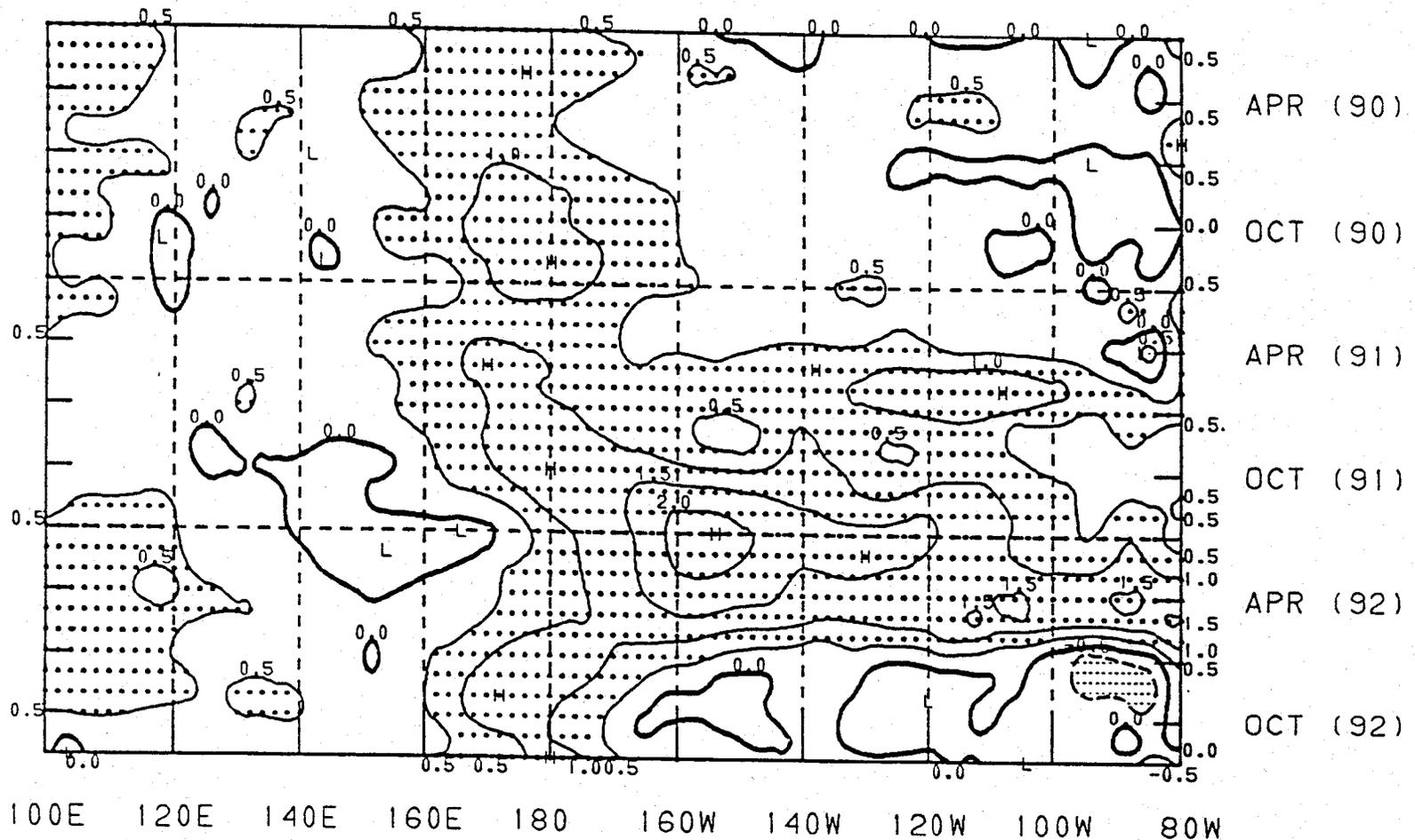


FIGURE 1 Time-longitude section of equatorial sea surface temperature anomalies in the Pacific. Contour interval is 0.5°C. Negative (positive) values are indicated by shading (stippling).

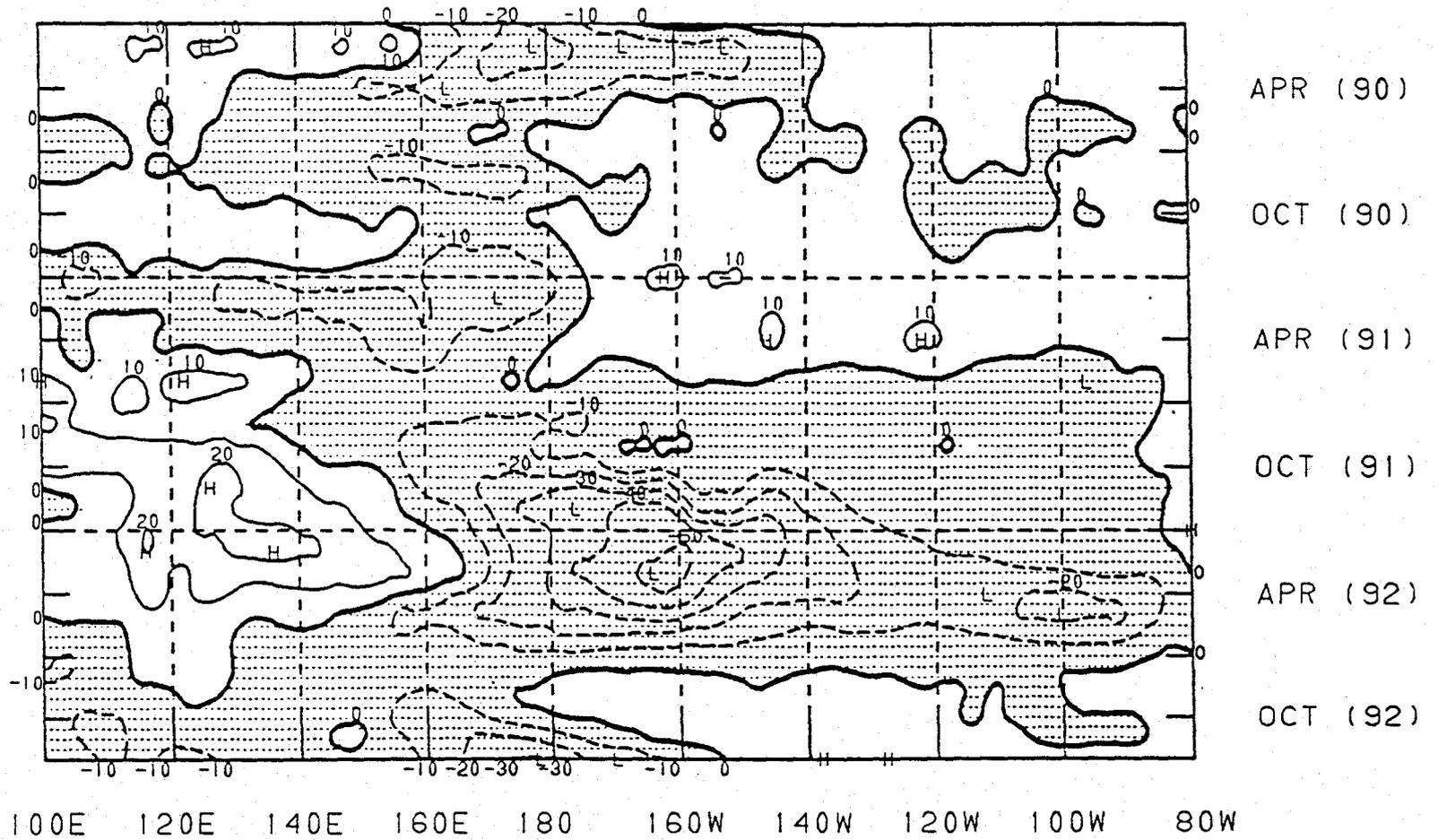


FIGURE 2 Time-longitude section of outgoing longwave radiation (OLR) anomalies in the tropical Pacific (5°N - 5°S). Contour interval is 10 Wm^{-2} . Negative values are indicated by shading.

WSFO Phoenix Watch/Warning Verification January 5-19, 1993

NV - Not Verified

Ukwn - Unknown

1993 Date	Issuance Time (Z)	Warning Product	Lead Time
1/5	1155	Winter Storm Watch - Nrn and Cntrl Mtns	NV
1/5	2150	Flash Flood Watch - Cntrl and SE AZ	✓
1/6	1040	Flash Flood Watch - Cntrl and SE AZ	✓
1/6	1730	Flash Flood Watch - All Except NE AZ	✓
1/7	0320	Urban/Small Stream Advsy - Cntrl AZ	✓
1/7	1045	Urban/Small Stream Advsy - Cntrl AZ	✓
1/7	1540	Flash Flood Watch - All AZ EX-NE	✓
1/7	2210	Flash Flood Watch - All AZ	✓
1/7	2230	Urban/Small Stream Advsy - Cntrl AZ	✓
1/7	2255	Snow Advsy - Cntrl Mtns and NE	✓
1/8	0200	Urban/Small Stream Advsy - Cntrl AZ	✓
1/8	0515	Flood Warning - Verde River, Yavapai Cnty	✓
1/8	1015	Flash Flood Warning - Cntrl and NW AZ	✓
1/8	1240	Flash Flood Warning - Cntrl and NW AZ	✓
1/8	1445	Wind Advsy - Cntrl and Ern AZ	✓
1/8	1600	Flood Warning - Verde, Salt, Gila, San Pedro, Rivers and Tonto, Oak, Dry Beaver, and West Clear Creeks, in Gila, Mohave, Maricopa, Pinal, and Yavapai Counties.	✓
1/8	2015	Flood Warning - San Francisco and Gila Rivers in Graham and Greenlee Counties.	✓ Ukwn
1/8	2045	High Wind Warning - NE AZ	✓
1/8	2315	Flood Warning - Verde, Salt, and Gila Rivers and Tributaries - in Gila, Maricopa, Pinal, and Yavapai Counties.	✓
1/9	0157	Flood Warning - Little Colorado in Coconino and Navajo Counties.	✓
1/9	1100	Flood Warning - Verde and Salt Rivers in Gila, Maricopa, Pinal, and Yavapai Counties.	✓

Handwritten notes: HWT SLOW, ADVY ADVISY, LATE TONIGHT / WEDNESDAY

Handwritten notes: LATE THU / WED / WED EX

Handwritten notes: ADVY ADVISY WED EXE

Handwritten notes: WED / WED NOT

Handwritten notes: NV / CANCELED 3:55 PM 1/5/93

Handwritten notes: (VARIATION OF ORIGINAL WATCH) (VARIATION OF ORIGINAL WATCH)

Handwritten notes: PRC / FTW (Variation of original Watch) THU EXCEPT NE AZ

Handwritten note: 7 FFA W/EX

Handwritten notes: THU / THU NGT / FRI.

Handwritten notes: THU / THU NGT / FRI.

Handwritten notes: THU NGT / FRI.

Handwritten notes: THU NGT / FRI.

Handwritten notes: Late THU NGT / FRI MORNING

Handwritten notes: FRI MORNING

Handwritten notes: Extended 30min incl. Maricopa County

Handwritten notes: FRI.

Handwritten notes: FRI / FRI NGT.

Handwritten notes: TIL 6 P.M. FRI.

Handwritten notes: extended TIL 7 AM SAT.

Handwritten notes: FRI NGT / SAT MORNG

Handwritten notes: TIL 5 PM Mon. SAT

NV - Not Verified

Ukwn - Unknown

1993 Issuance Date Time (Z)	Warning Product	Lead Time
1/9 1120	Flood Warning - Little Colorado River in Coconino and Navajo Counties. <i>SAT/SUN/MON TIL 5AM.</i> <i>TIL 5AM Monday</i>	<i>NV cancelled 1/9/93 1030AM</i>
1/9 2130	Flood and Flash Flood Watch - All AZ <i>SAT NGT / SUN</i>	<i>✓ Sun only 12+</i>
1/10 1800	Snow Advsy - Mogollon Rim and NW AZ <i>TIL 1 PM</i>	<i>✓</i>
1/10 2045	Snow Advsy - Cntrl and Nrn Mountains <i>Sun / Sun NGT</i>	<i>✓ 17+</i>
1/10 2140	Flood Warning - Gila River in Gila and Pinal County. <i>U FN</i>	<i>✓</i>
1/10 2200	Urban and Small Stream Advsy. <i>Mon Morning</i>	<i>✓ 5+</i>
1/11 1115	Urban and Small Stream Advsy - All AZ	<i>✓</i>
1/11 1140	Snow Advsy - Central Mountains <i>MON MORNING</i>	<i>NV</i>
1/11 1215	Flood Warning - Gila River in Duncan <i>Mon</i>	<i>✓ 8+</i>
1/11 1511	Flood Warning - Gila River in Greenlee County.	<i>✓ Ukwn</i>
1/12 1745	Flood Warning - Gila River in Pinal County	<i>✓</i>
1/12 1830	Snow Advisory - Central and Nrn Mtns. <i>TUE NGT / WED. 6K</i>	<i>✓ Wed only 13</i>
1/12 1830	Flood and Flash Flood Watch - All but extreme northern Arizona. <i>TUE NGT / WED</i>	<i>✓</i>
1/12 2200	Snow Advisory - Central and Nrn Mountains.	<i>✓ Wed only.</i>
1/13 1755 <i>1626</i>	Urban and Small Stream Advy - SE AZ <i>WED TIL 8 PM</i>	<i>✓</i>
1/13 2145	Flood/Flash Flood Watch - SE AZ. <i>WED TIL 9 PM</i>	<i>✓</i>
1/13 2155	Urban and Small Stream Flood Advsy - SE AZ <i>TIL 9 PM</i>	<i>✓</i>
² 1/14 0230	Urban and Small Stream Flood Advsy - SE AZ.	<i>---</i>
1/14 1615	Small Stream Flood Advsy - Cntrl AZ. <i>THU</i>	<i>✓ 1</i>
[?] 1/15 0242	Urban and Small Stream Advsy - NE Phoenix.	<i>---</i>
1/15 0251	Severe Thunderstorm Warning - NE Maricopa County.	<i>✓</i>
1/15 2200	Flash Flood Watch - Wrn AZ. <i>FRI NGT /</i>	<i>NV</i>
1/16 0402	Flash Flood Watch - Cntrl Mountains and Wrn Deserts. <i>FRINGT / SAT</i>	<i>NV</i>

NV - Not Verified

Unkwn - Unknown

1993 Date	Issuance Time (Z)	Warning Product	Lead Time
1/16	1150	Flood/Flash Flood Watch - All AZ except NE Plateau. <i>SAT/SAT NGT</i>	V 13 (Sat night)
1/16	1710	Flood/Flash Flood Watch - Wrn, Cntrl and Nrn portions of the state. <i>LATE AFTNOON UNTIL MID. / SPM TIL NOON Sun.</i>	V (Sat night) 7 V (Sun Morning)
1/17	1135	Flood/Flash Flood Warning - Gila, Coconino, Navajo, Maricopa, and Yavapai Counties.	V
1/17	1155	Snow Advisory - NW Plateau.	NV
1/17	1520	Flood/Flash Flood Warning - Gila, Coconino, Apache, Maricopa, and Yavapai Counties.	V 1
1/17	1845	Flood/Flash Flood Watch - All AZ.	V 1
1/17	1933	Tornado Warning - Maricopa County	V
1/17	2102	Tornado Warning - Maricopa County	NV
1/17	2133	Winter Storm Watch/Snow Advsy - Nrn and Cntrl AZ.	<i>SNOW ADVISORY NV</i> WINTER STORM WATCH V 24 (SEE NEWSPAPER ARTICLE)
1/18	1150	Flood/Flash Flood Watch - All of AZ.	V Approx 7
1/18	1245	Snow Advsy - Nrn and Cntrl AZ. <i>NW PKAT MON MORN / NRN AND CNTRL AZ AFT AND TONIGHT</i>	V 8-10
1/18	1310	AZ Severe Wx Outlook.	V 6
1/18	1720	Flood/Flash Flood Watch - All AZ	V 2
1/18	1231	Tornado Watch - Srn AZ.	V 1
1/18	2020	Tornado Warning - Maricopa/Pinal Counties	V
1/18	2200	Flood/Flash Flood Watch - All AZ.	V
1/18	2220	Heavy Snow Warning - Nrn and Cntrl Mtns.	V 12-14
1/18	2247	Flash Flood Warning - Maricopa/Pinal Cntys	V
1/19	0453	Flood Warning - San Francisco River in Greenlee County.	V 1
1/19	0647	Flood Warning - San Francisco and Gila Rivers in Graham/Greenlee Cntys.	V
1/19	0803	Flood Warning - Santa Cruz River in Pima and Pinal Cntys.	NV

METEOROLOGICAL EVENTS CONTRIBUTING TO ARIZONA'S FLOODING AND FLASH FLOODING IN JANUARY 1993

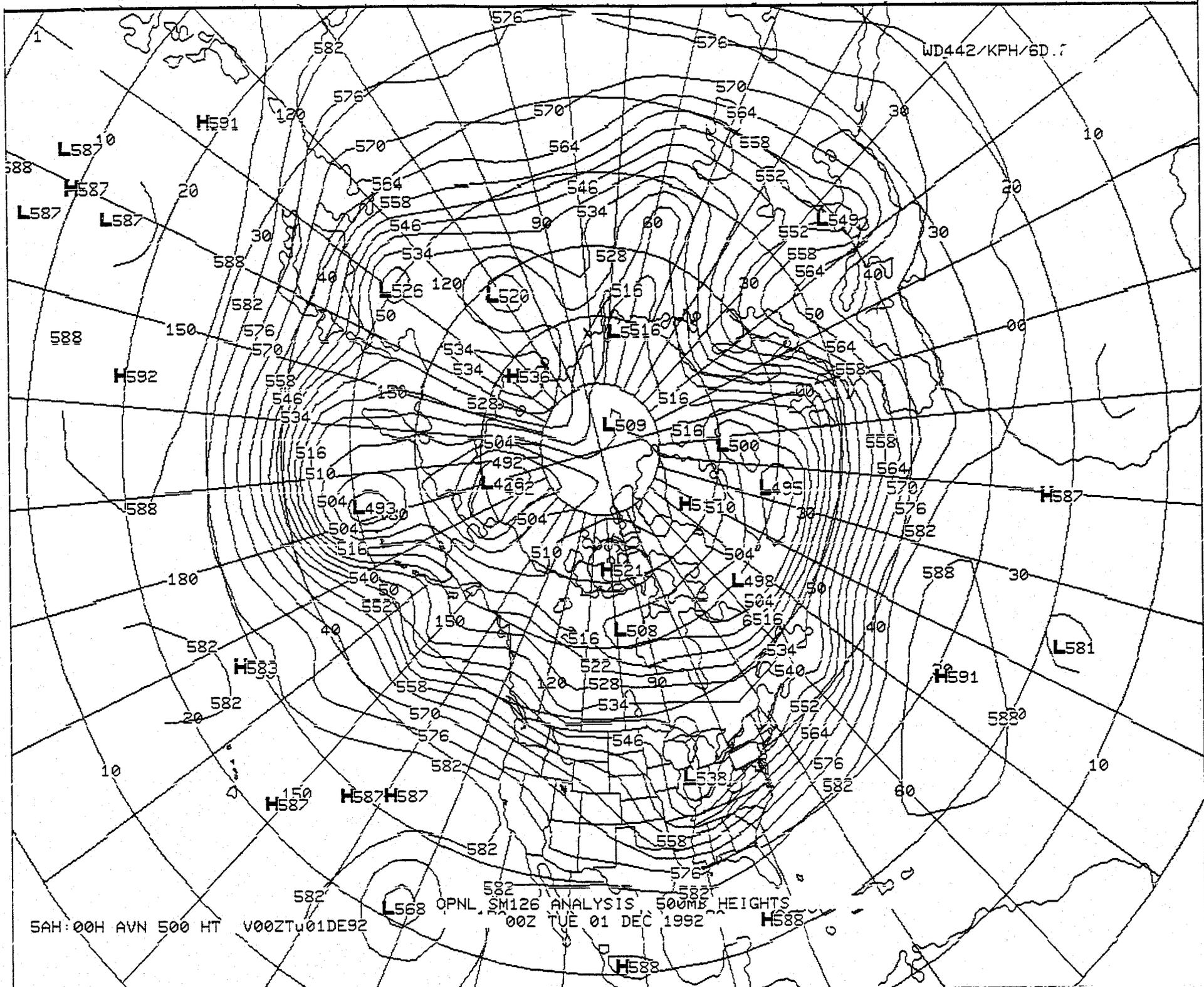
Arizona's flooding and flash flooding during January 1993 was strongly influenced by two factors in the middle and upper atmosphere: 1) a persistent blocking ridge centered over the Gulf of Alaska, and 2) a vigorous subtropical jetstream whose mean position was farther north than is usually the case. Heavy rains and snows over the Salt and Verde watersheds during the last week of 1992 left the ground saturated and reservoirs unable to accumulate as much water as would normally be the case.

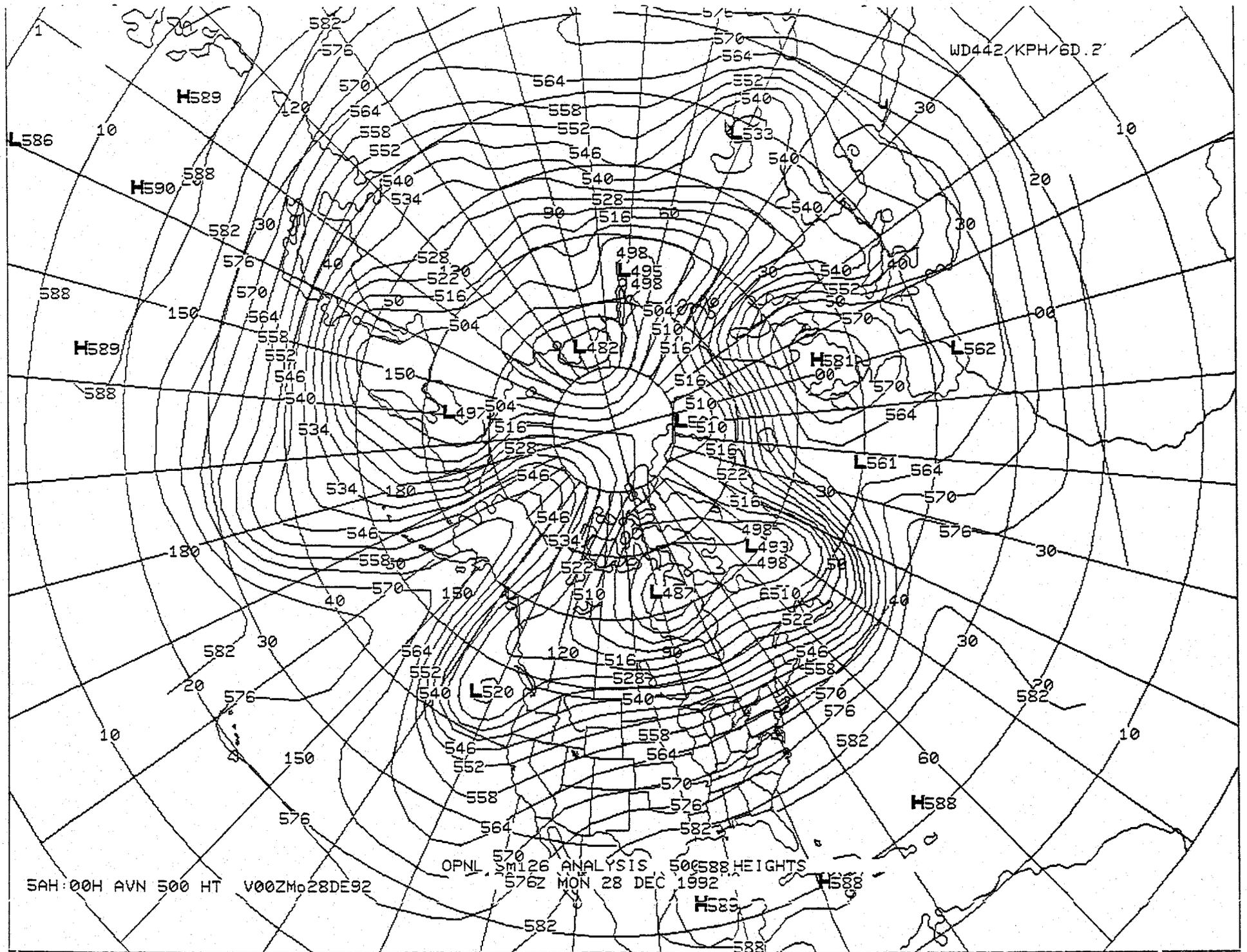
The presence of unusually warm water in the equatorial central and eastern Pacific Ocean played a role in the evolution of the subtropical jet stream early this winter. Specifically, the unusually warm water helped to intensify convective activity near the date line, thereby affecting the location of the subtropical jet as well as the amount of mid-and-upper level moisture it transported.

During early December, the polar jet maintained a high zonal profile as it crossed the Pacific Ocean (Figure 1); however, winds associated with the polar jet were much stronger than usual, owing to a more pronounced north-to-south temperature contrast in the lower and middle atmosphere. The combination of unusually warm air at higher latitudes, teleconnections with other long wave ridge and trough locations around the hemisphere, and a succession of disturbances moving across the Pacific Ocean led to the eventual development of a ridge of high heights across the eastern Pacific during mid-December (Figure 2). Flow across the Pacific became more meridional, with north-to-south flow evolving from the Arctic to the west coast of the US.

Toward the end of December, an intense storm moved through the central Pacific. This storm amplified the ridge over the Gulf of Alaska (Figure 3). Some of the high-momentum air moving through the primary polar jet across the central Pacific was unable to make the significant turn northward around the ridge toward western Alaska. This high momentum air undercut the ridge and created a secondary polar jet (Figure 4). Divergent flow between the primary and secondary polar jet branches across the east-central Pacific Ocean supported development and maintenance of disturbances in this secondary branch. A height pattern such as the one which evolved across the eastern Pacific is referred to as a "rex block", and can be quite persistent. The rex block led to colder-than-normal weather, with periodic Arctic intrusions, along the west coast of Canada, the northwest United States and adjoining coastal waters, and development of a persistent longwave cold trough oriented NE-SW and centered near 40N 130W (Figure 5).

WD442/KPH/6D.7



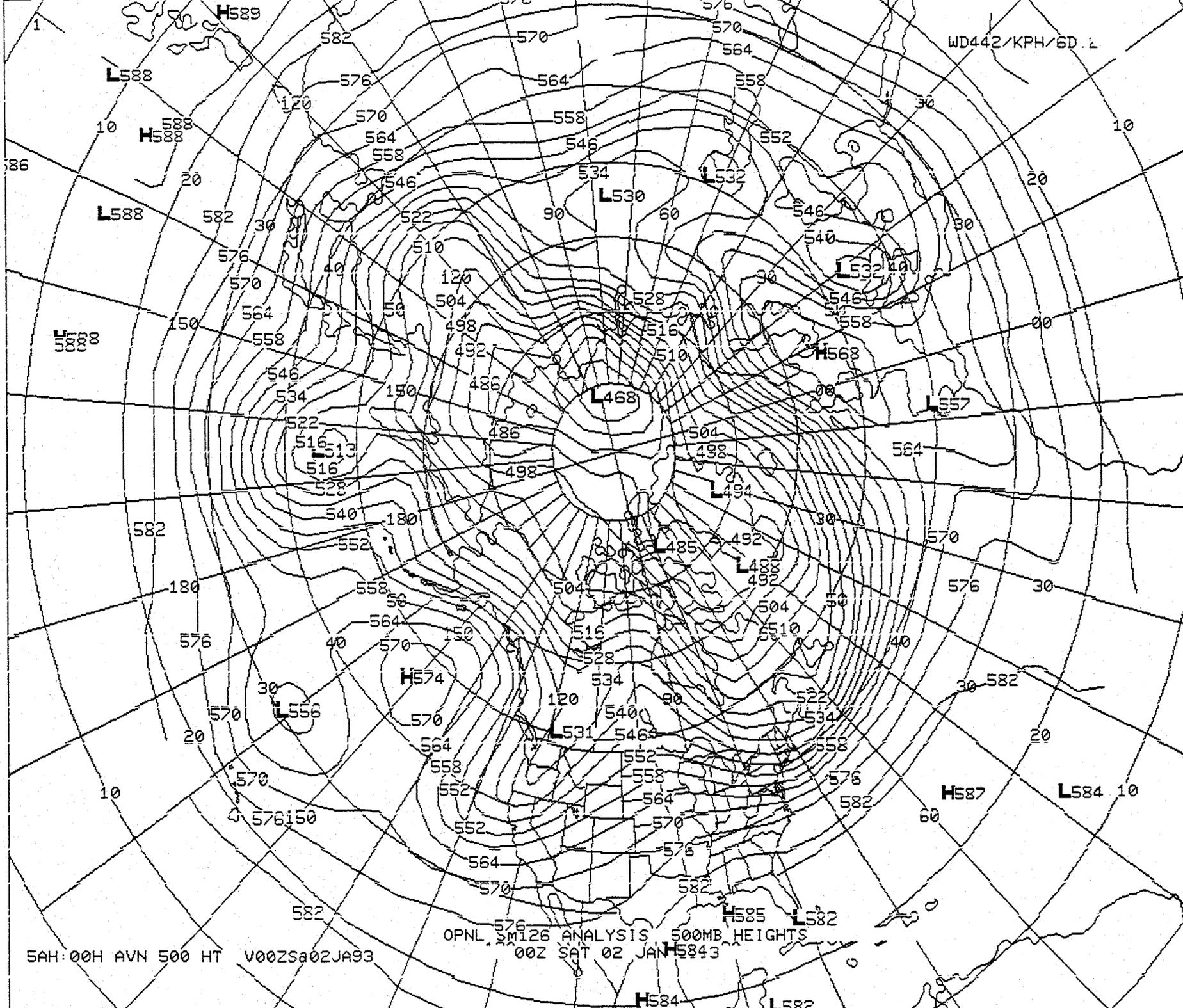


WD442/KPH/6D.2

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OPNL 570 126 ANALYSIS 500588 HEIGHTS
576Z MON 28 DEC 1992

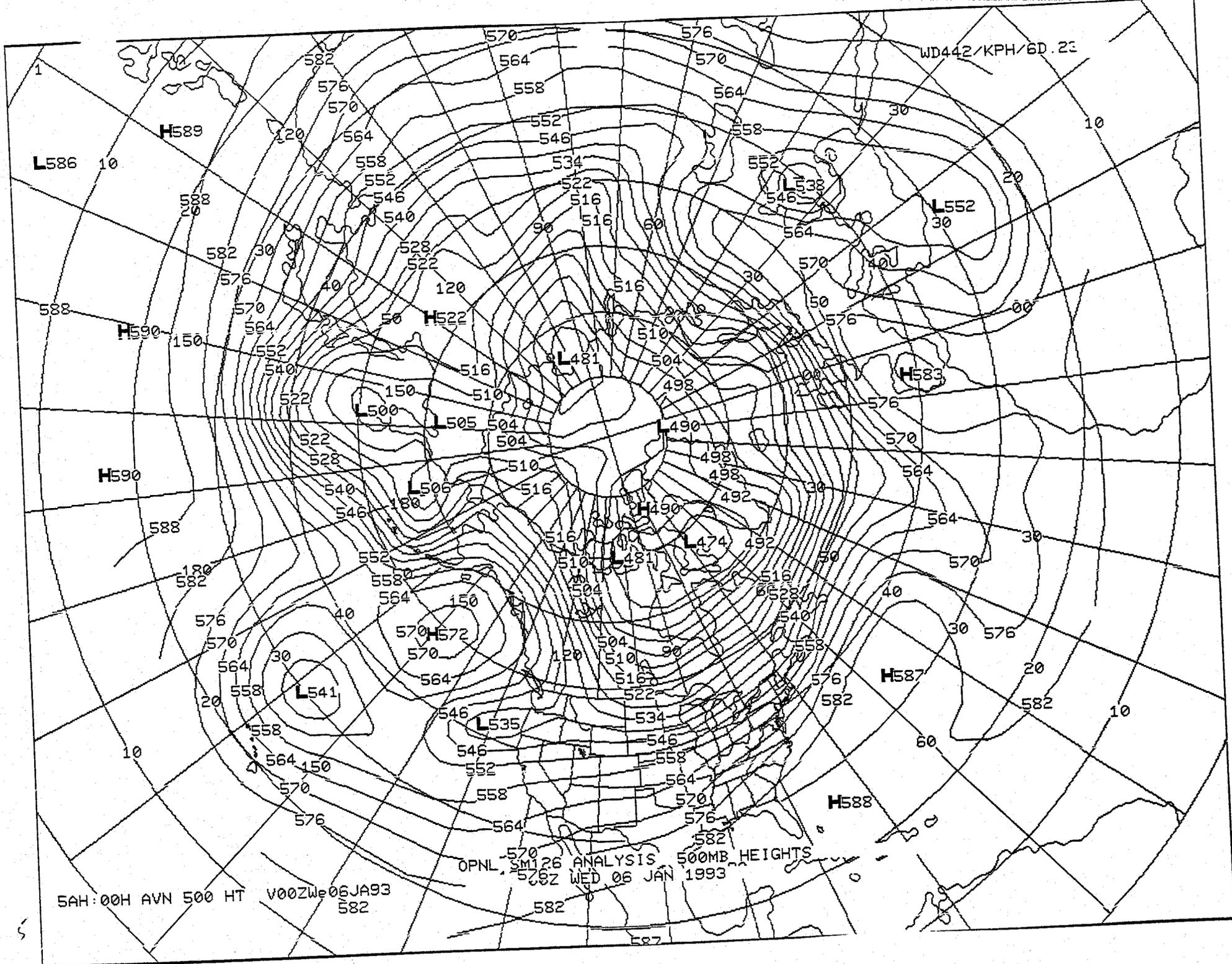
WD442/KPH/6D.L



SAH:00H AVN 500 HT V00ZSa02JA93

OPNL 3M126 ANALYSIS 500MB HEIGHTS
00Z SAT 02 JAN 1984

F34



Storms moving through the primary branch of the polar jet around the Arctic Circle were steered southward along the west coast of the US, then eastward toward Arizona. These storms became more intense as they moved through the longwave trough just off the west coast. The first of a series of precipitation-producing storms brought heavy rains to the valleys and snows to the upper elevations of Arizona the last week of December. Typically, the polar jet would be farther north, as would the typical storm track, and dynamically-induced vertical motion fields would not have influenced Arizona to the extent they did. When these vertical motion fields acted on the unusually moist air over Arizona, heavy rains occurred.

These disturbances sometimes interacted with disturbances in the subtropical jet stream to generate significant "southern stream" disturbances. These disturbances were associated with the series of precipitation events that affected Arizona, and were more frequent visitors than disturbances moving through the primary polar jet.

THE JANUARY 6-8, 1993, HEAVY PRECIPITATION EVENT

Several "southern stream" disturbances affected the state before the "main event" associated with a disturbance in the polar jet arrived during the night of January 7-8. Significant precipitation occurred prior to the morning of January 7, especially in locations where moist low-level flow was forced upward orographically (Figures 6 and 7).

As the "main event" approached from the northwest, the subtropical plume, which had been over the state for several days, was suppressed south of Arizona. Although mid and upper level moisture decreased across central Arizona, plentiful low-level moisture remained. With abundant low level moisture and somewhat drier mid and upper level conditions, the atmosphere became convectively unstable, and vertical motion fields associated with the secondary and main events served to lift the air and release the latent instability.

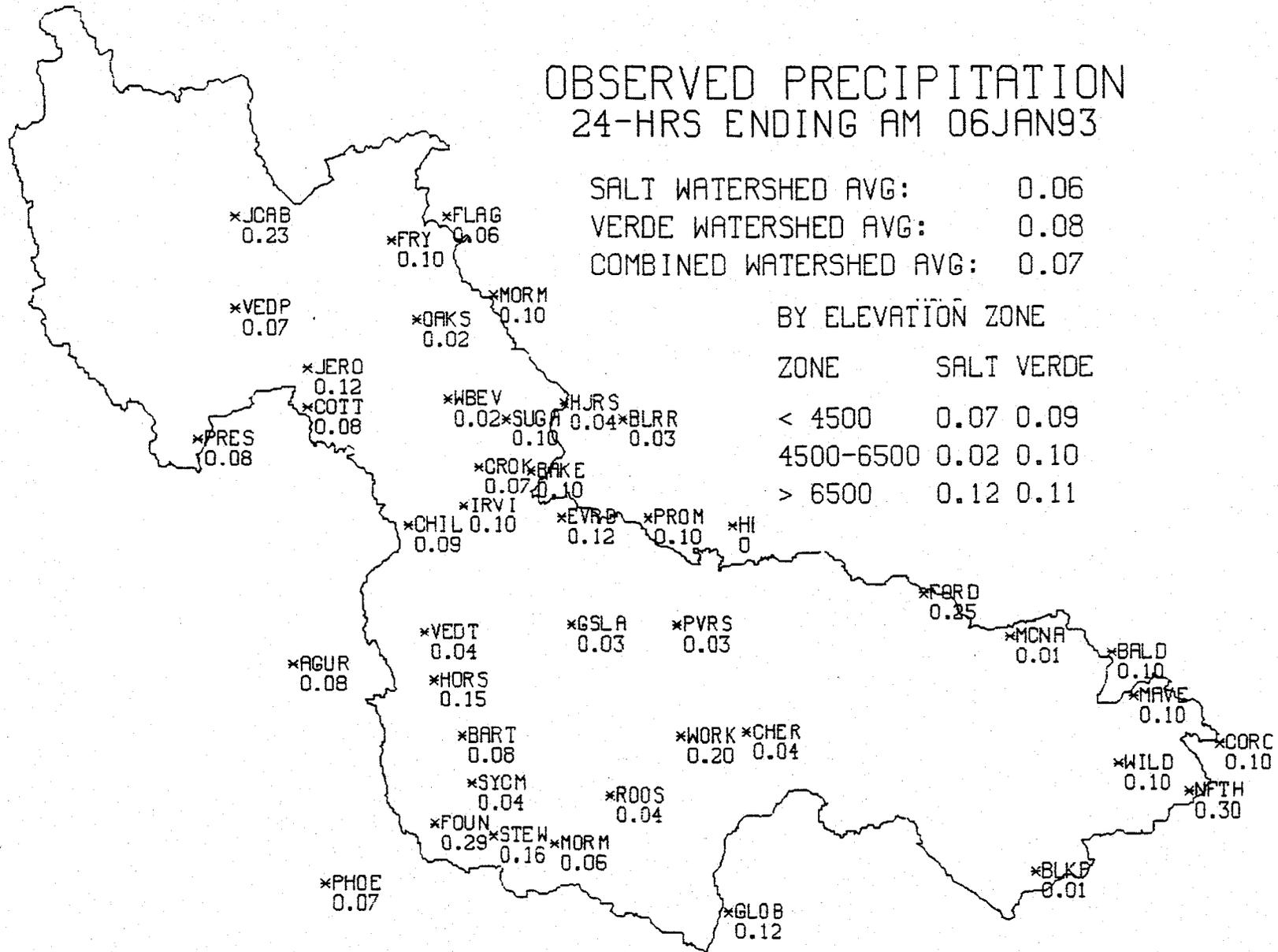
Periods of heavy convective rainfall resulted from the interaction of "main event" dynamic forcing and convective instability, especially across the Salt, Verde and Gila watersheds during the early morning of January 8, 1993 (Figure 8). The most significant flash flood events occurred when convective rains fell on watersheds already saturated from earlier rainfall. 500 mb height field (Figures 9a-f), infrared satellite imagery (Figures 10a-f) and sounding information (Figures 11a-b) provide some insight into the meteorological conditions across Arizona.

OBSERVED PRECIPITATION 24-HRS ENDING AM 06JAN93

SALT WATERSHED AVG: 0.06
 VERDE WATERSHED AVG: 0.08
 COMBINED WATERSHED AVG: 0.07

BY ELEVATION ZONE

ZONE	SALT	VERDE
< 4500	0.07	0.09
4500-6500	0.02	0.10
> 6500	0.12	0.11



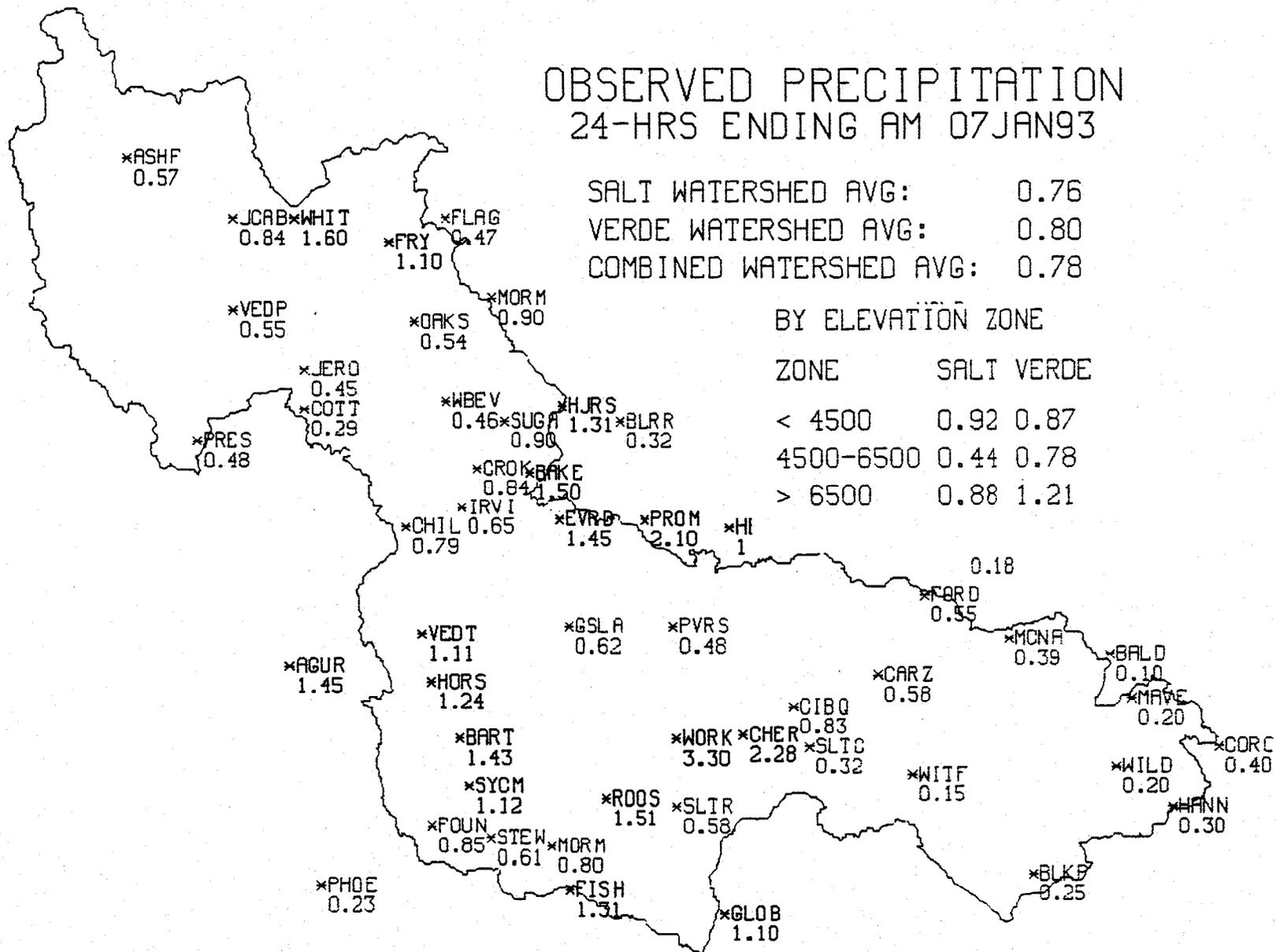
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OBSERVED PRECIPITATION 24-HRS ENDING AM 07JAN93

SALT WATERSHED AVG: 0.76
 VERDE WATERSHED AVG: 0.80
 COMBINED WATERSHED AVG: 0.78

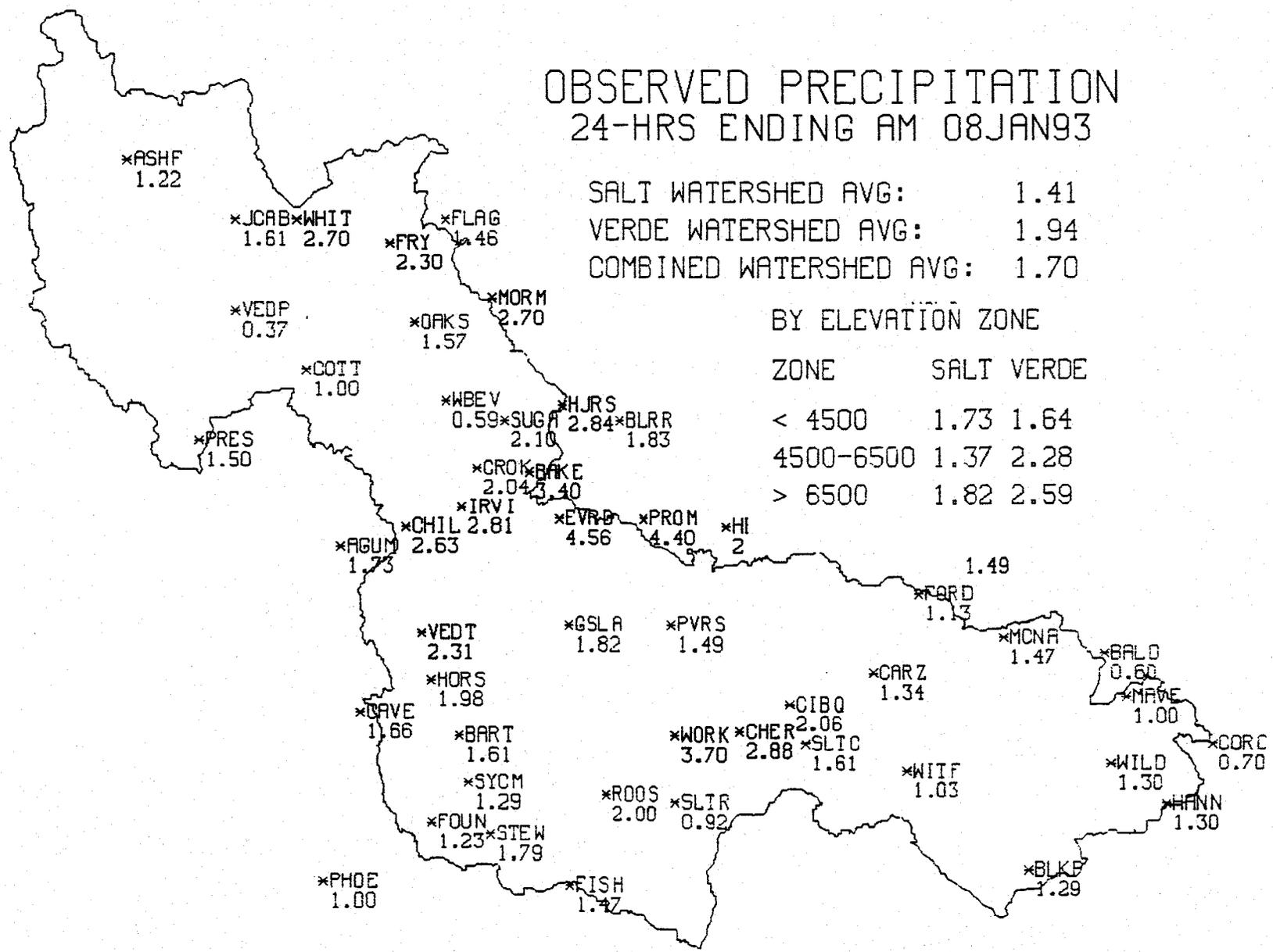
BY ELEVATION ZONE

ZONE	SALT	VERDE
< 4500	0.92	0.87
4500-6500	0.44	0.78
> 6500	0.88	1.21



CREATED: 19JAN93:13:00

OBSERVED PRECIPITATION 24-HRS ENDING AM 08JAN93



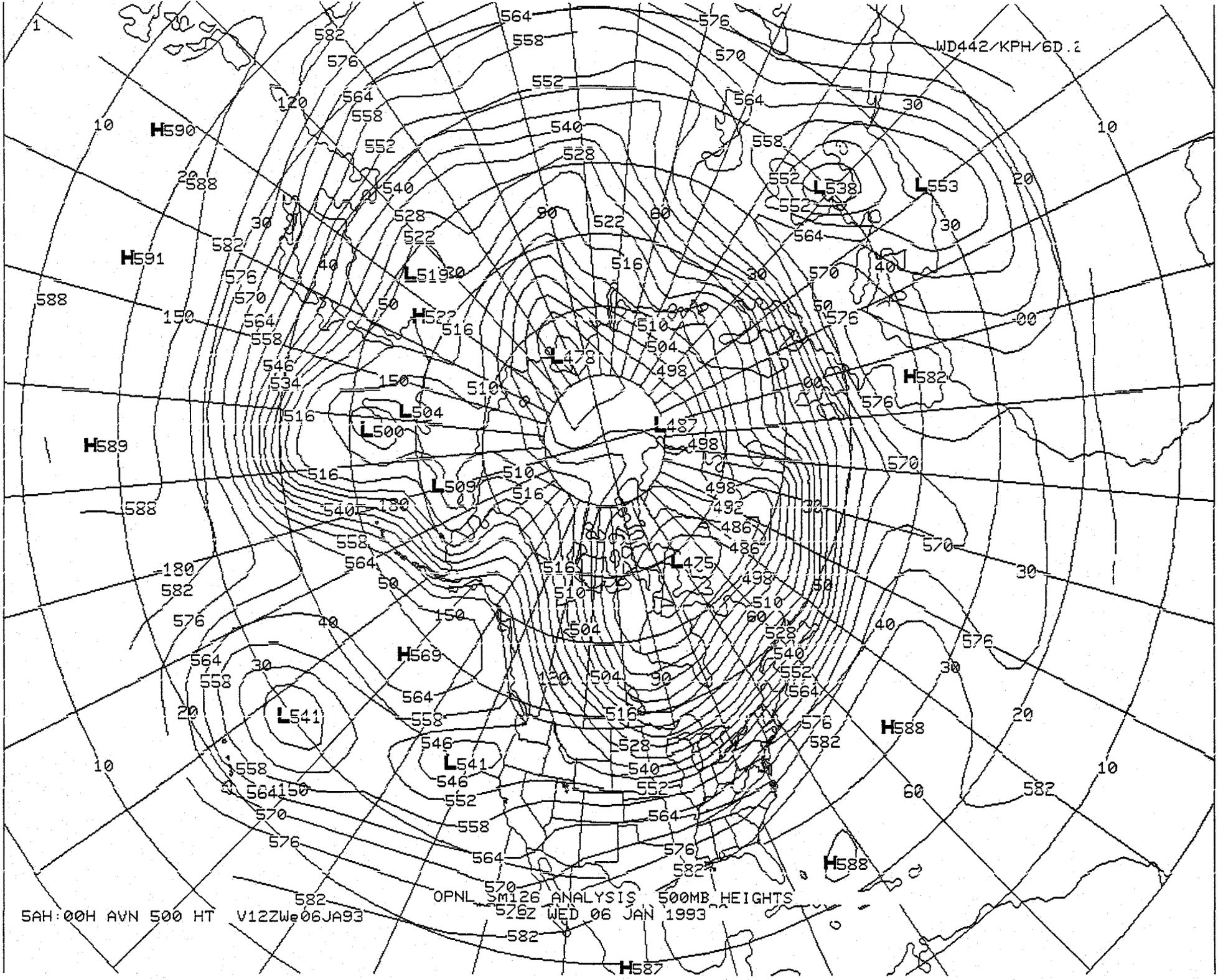
SALT WATERSHED AVG: 1.41
 VERDE WATERSHED AVG: 1.94
 COMBINED WATERSHED AVG: 1.70

BY ELEVATION ZONE

ZONE	SALT	VERDE
< 4500	1.73	1.64
4500-6500	1.37	2.28
> 6500	1.82	2.59

CREATED: 19JAN93:13:01

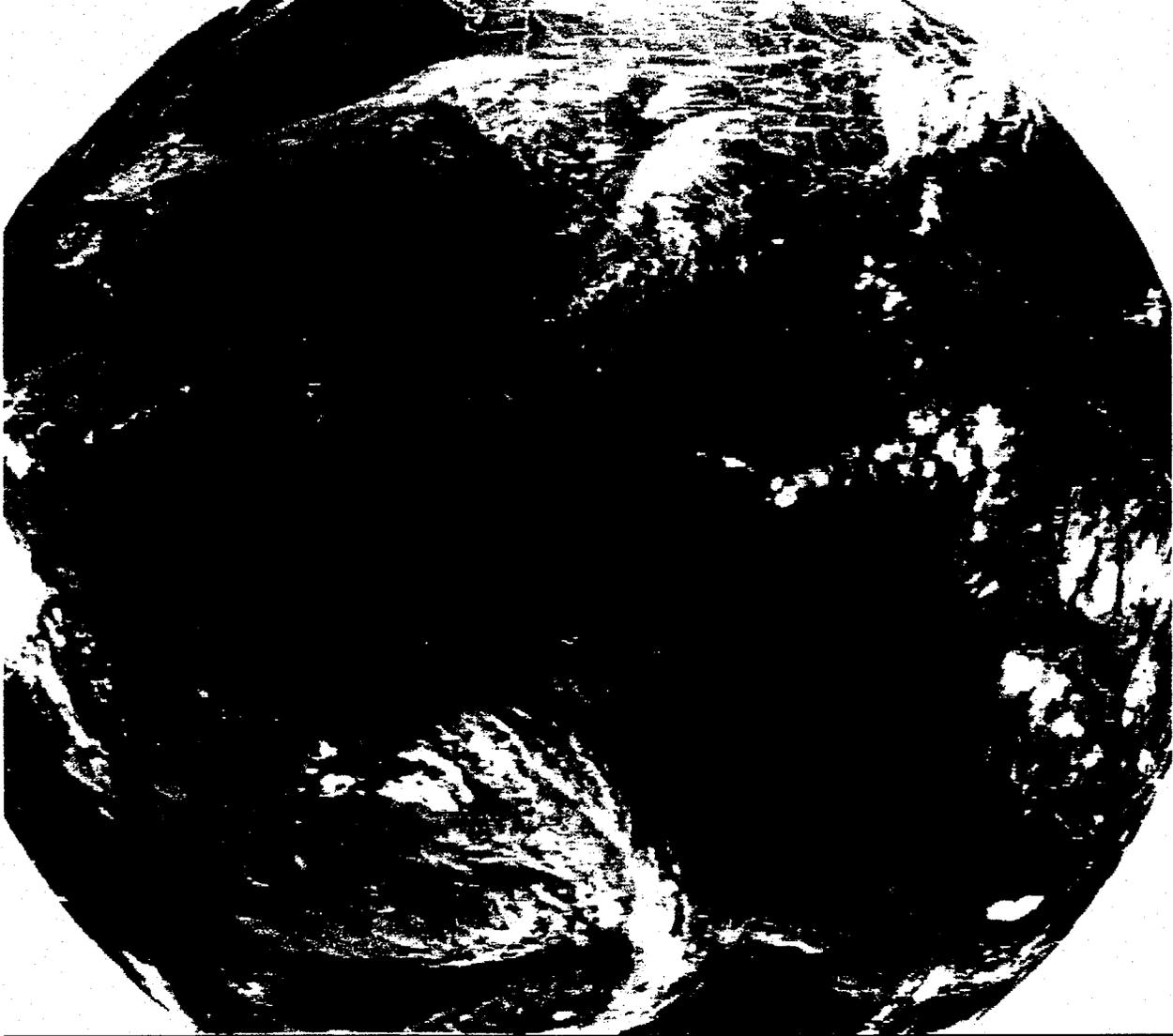
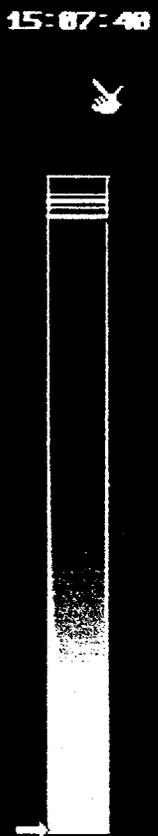
WD442/KPH/6D.2



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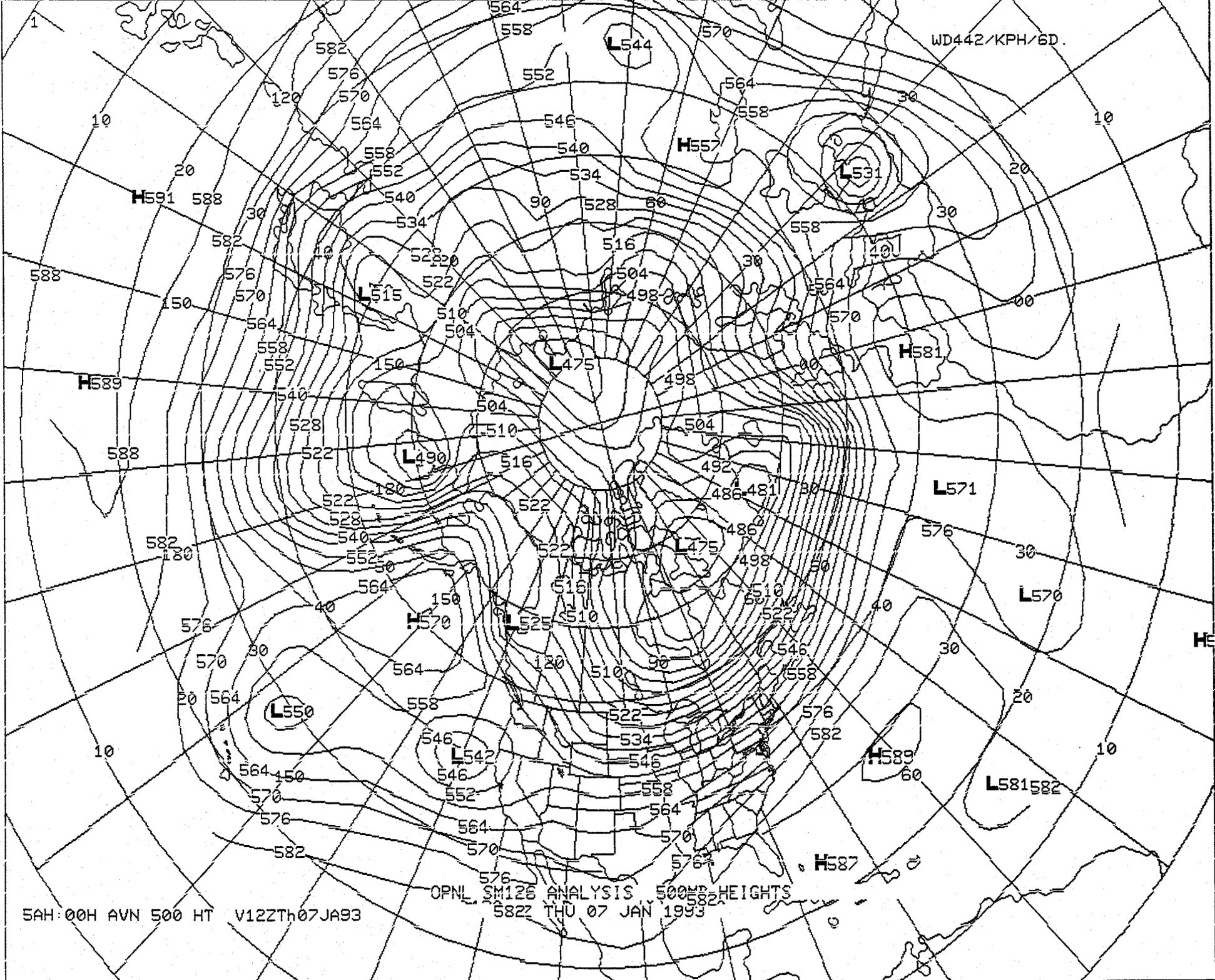
OPNL SM126 ANALYSIS 500MB HEIGHTS
520Z WED 06 JAN 1993

22
73 94

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63	63	63			

79/05

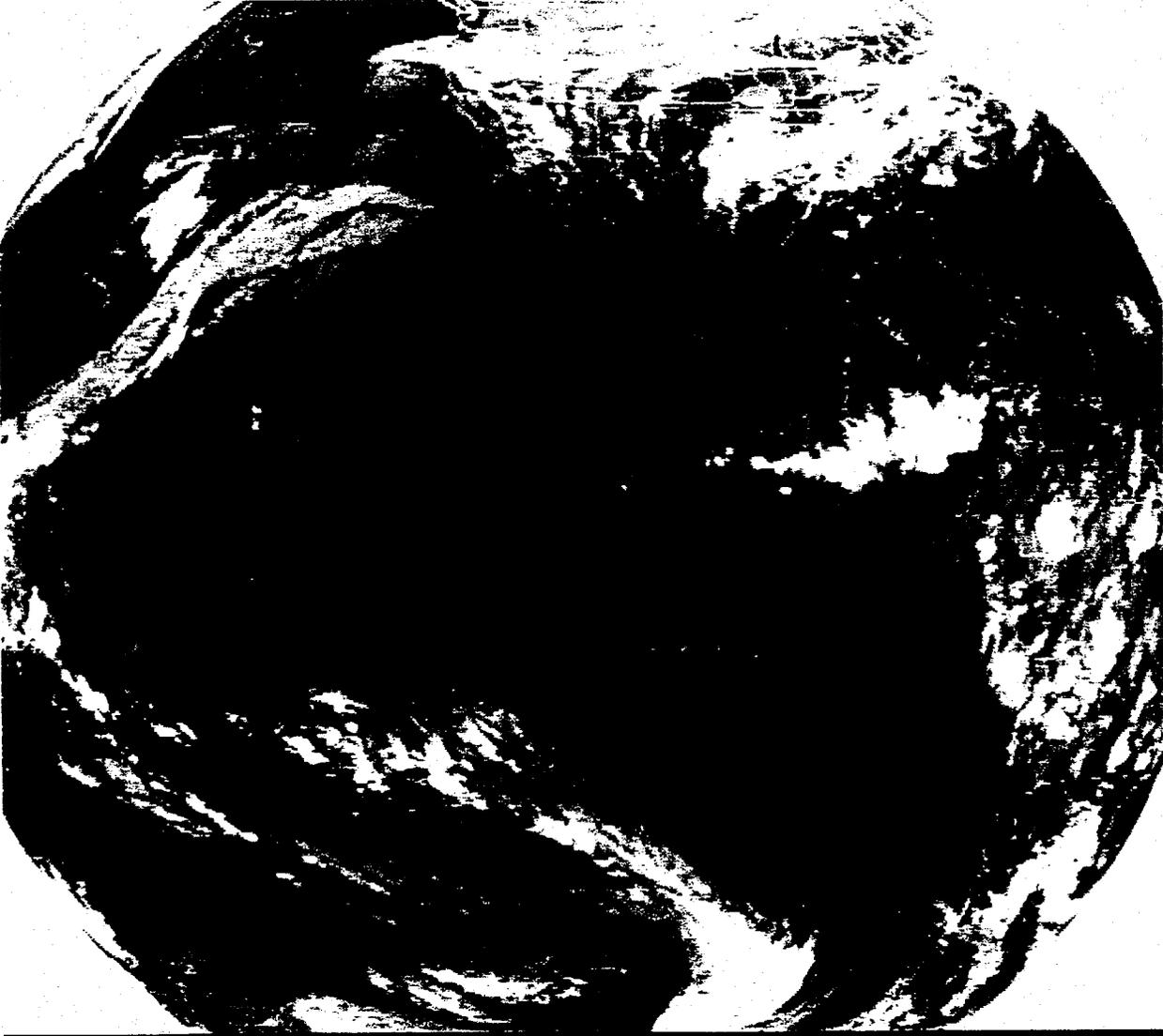
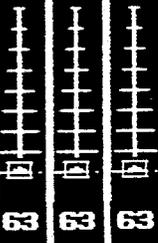
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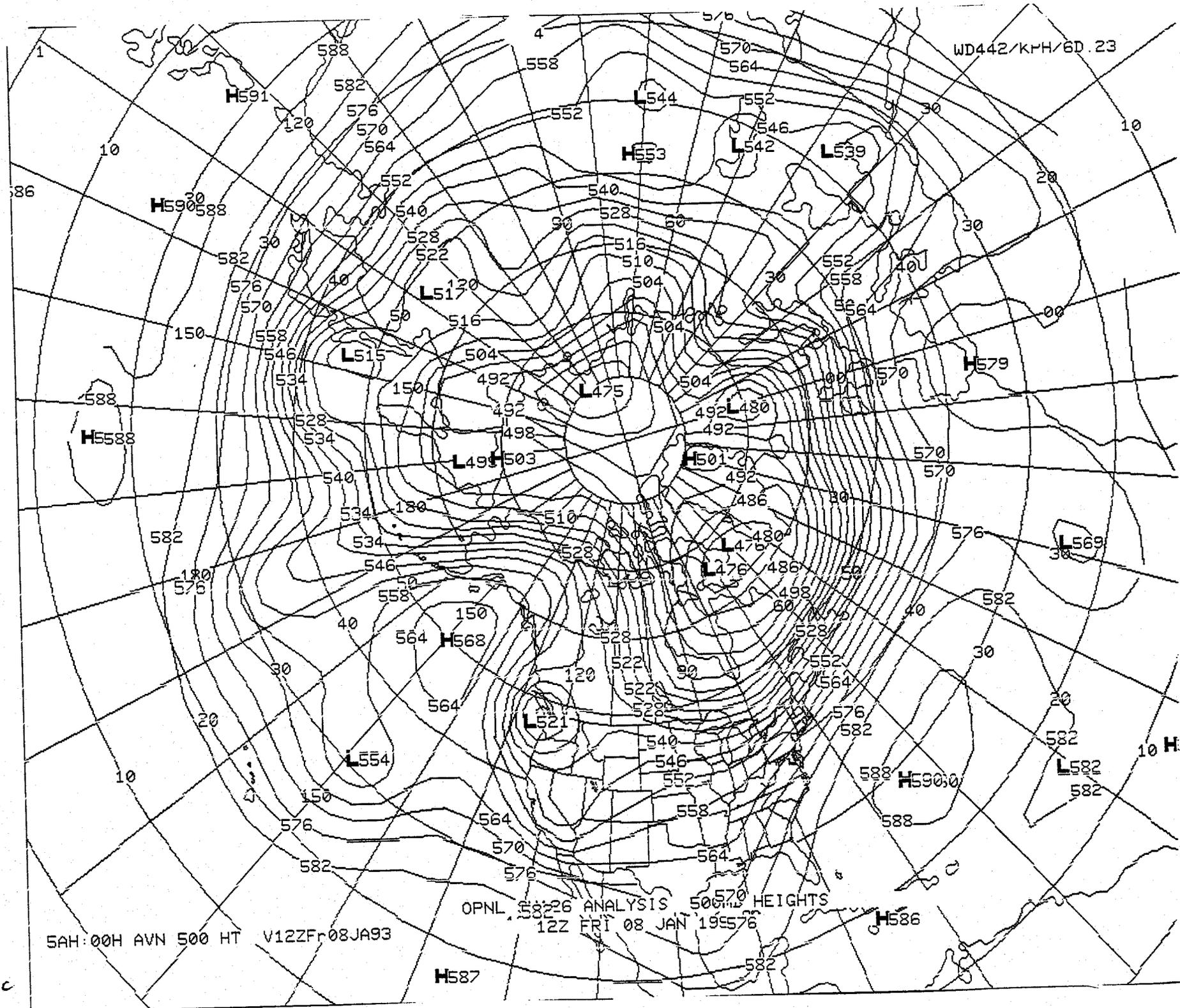
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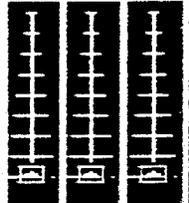
OPNL SM126 ANALYSIS 500MB HEIGHTS
5822 THU 07 JAN 1993

96
Fig 96

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					255	16
						

F5106



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					25 16
					
					63 63 63

79/00

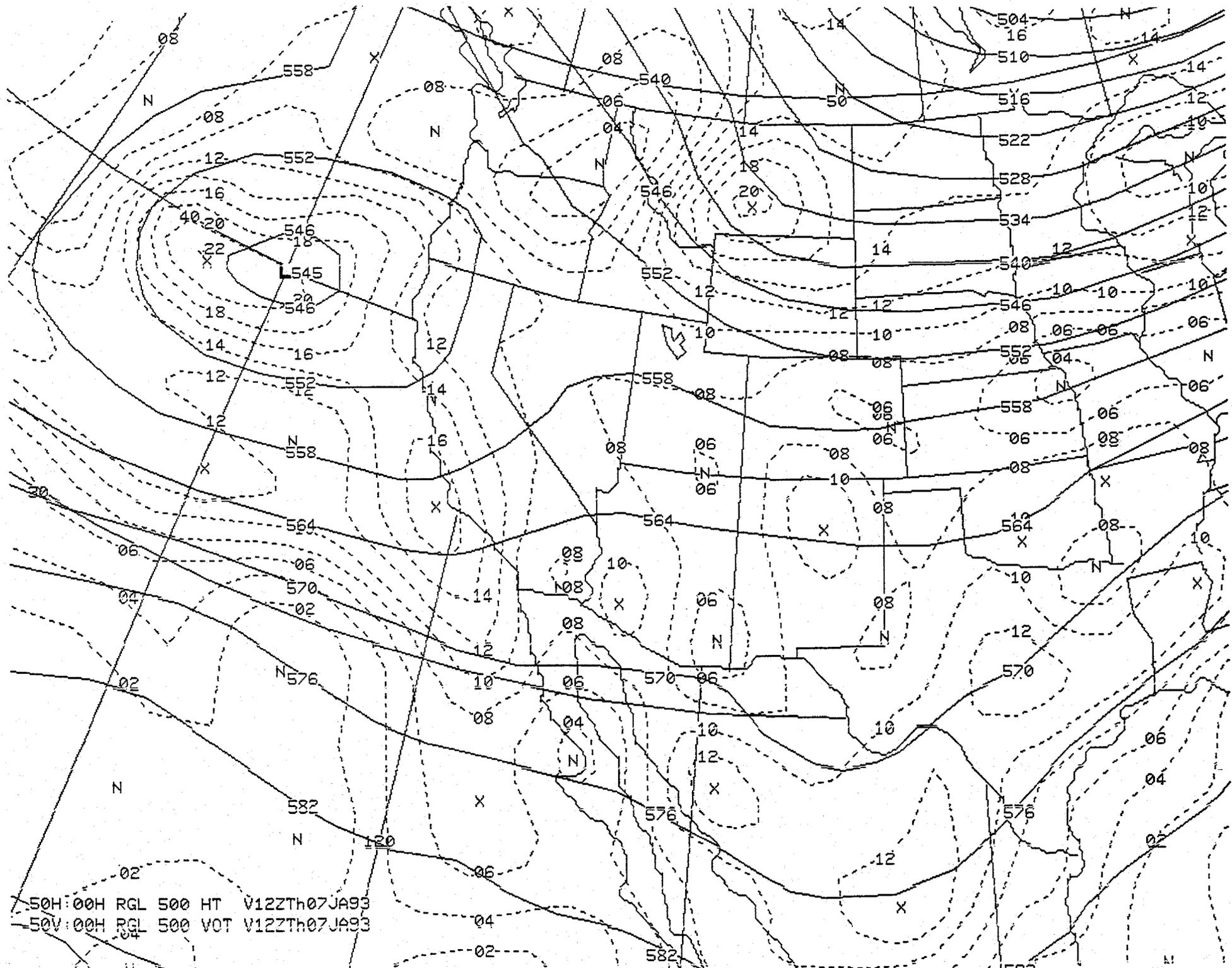
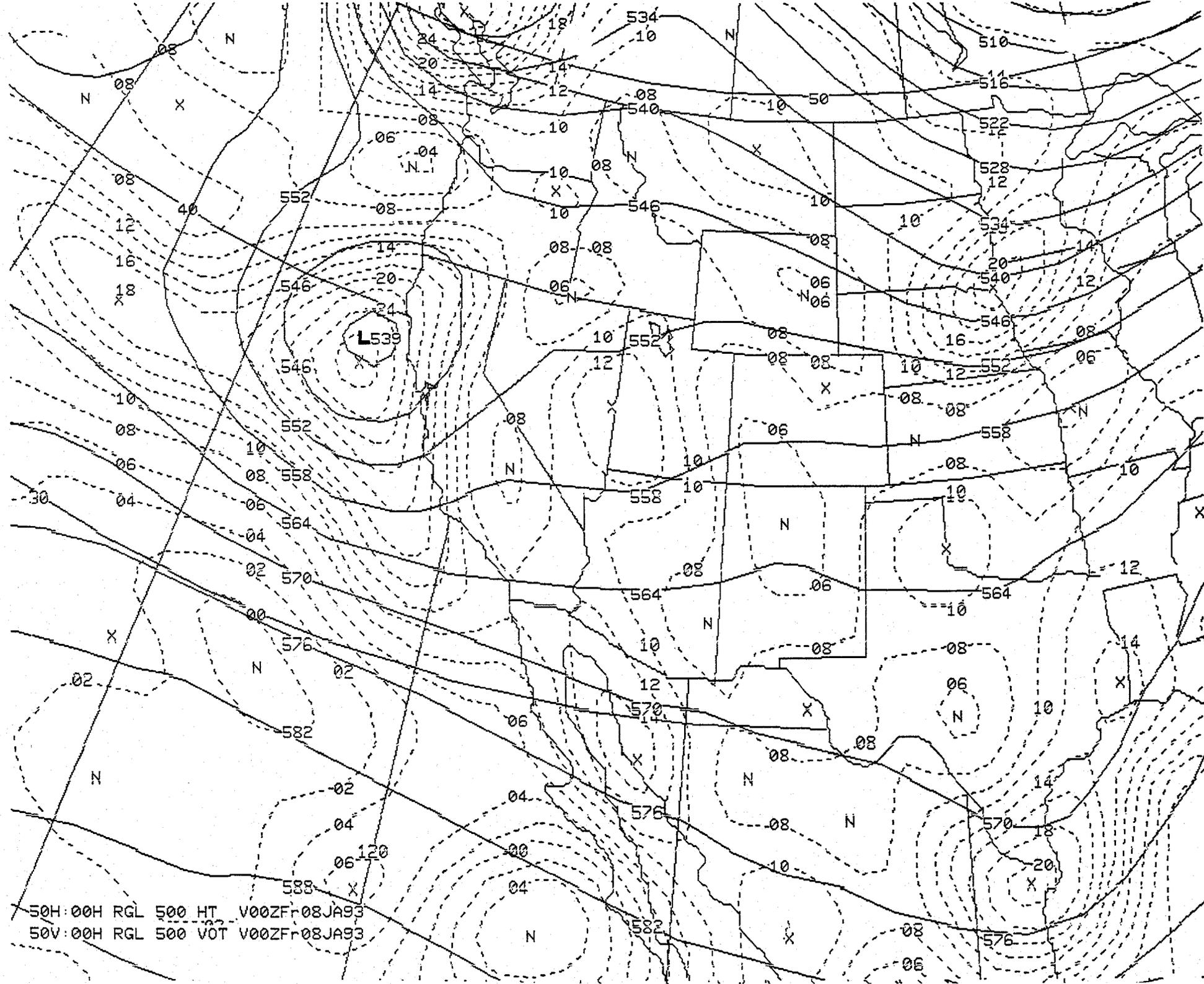


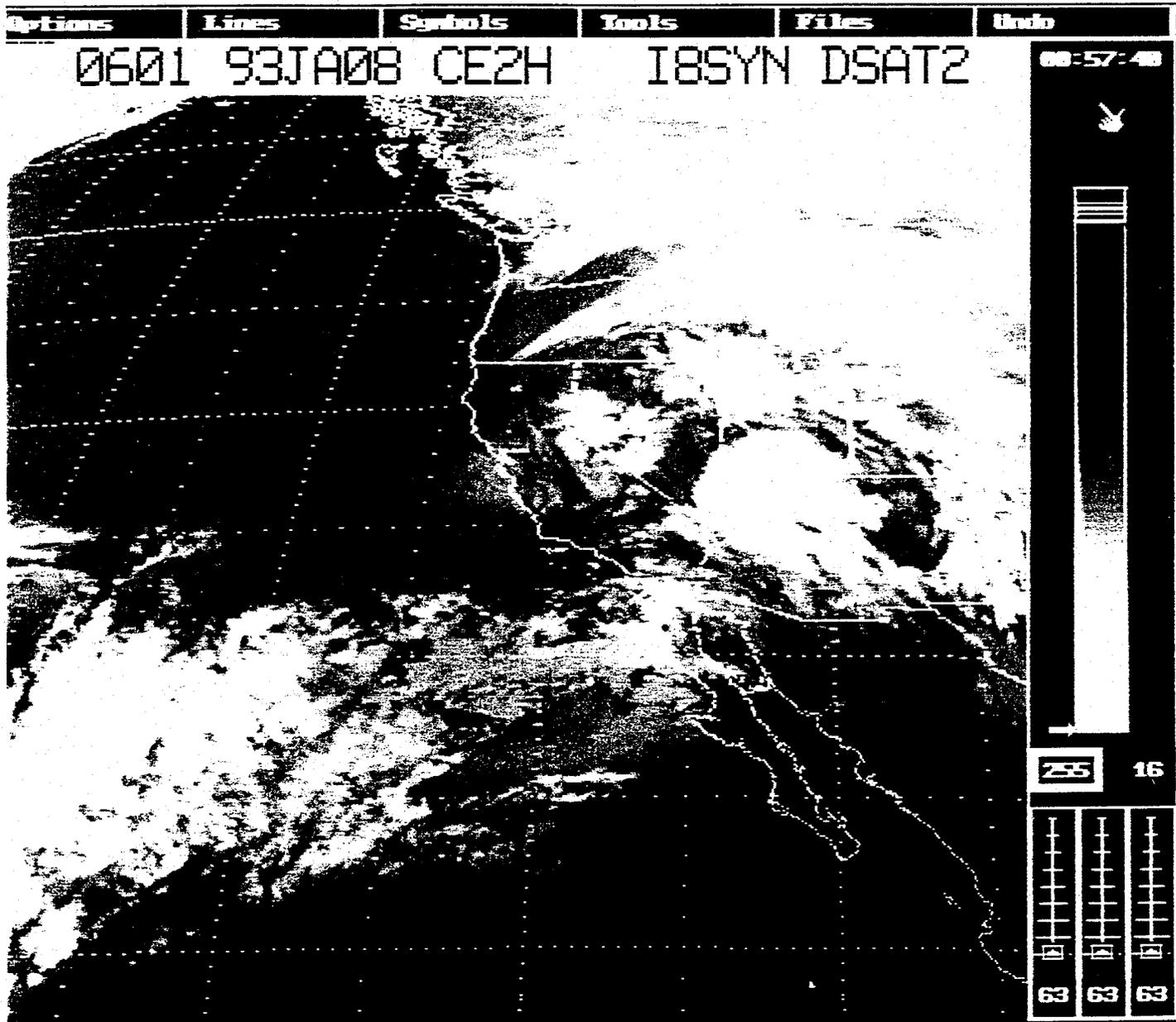
Fig. 96

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 50V:00H RGL 500 VOT V12ZTh07JA93

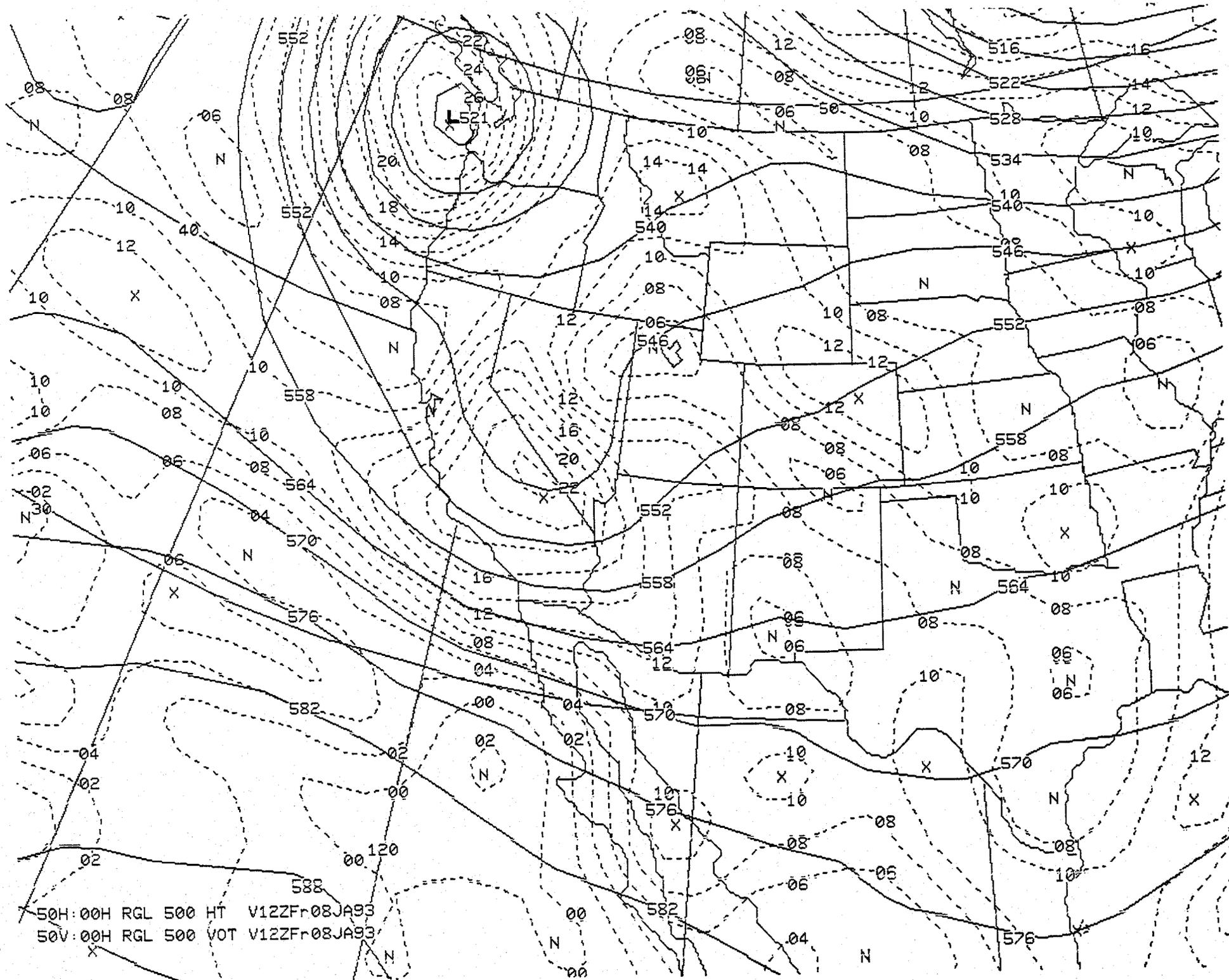


50H:00H RGL 500 HT V00ZFr08JA93
 50V:00H RGL 500 V0T V00ZFr08JA93

Fig
 02

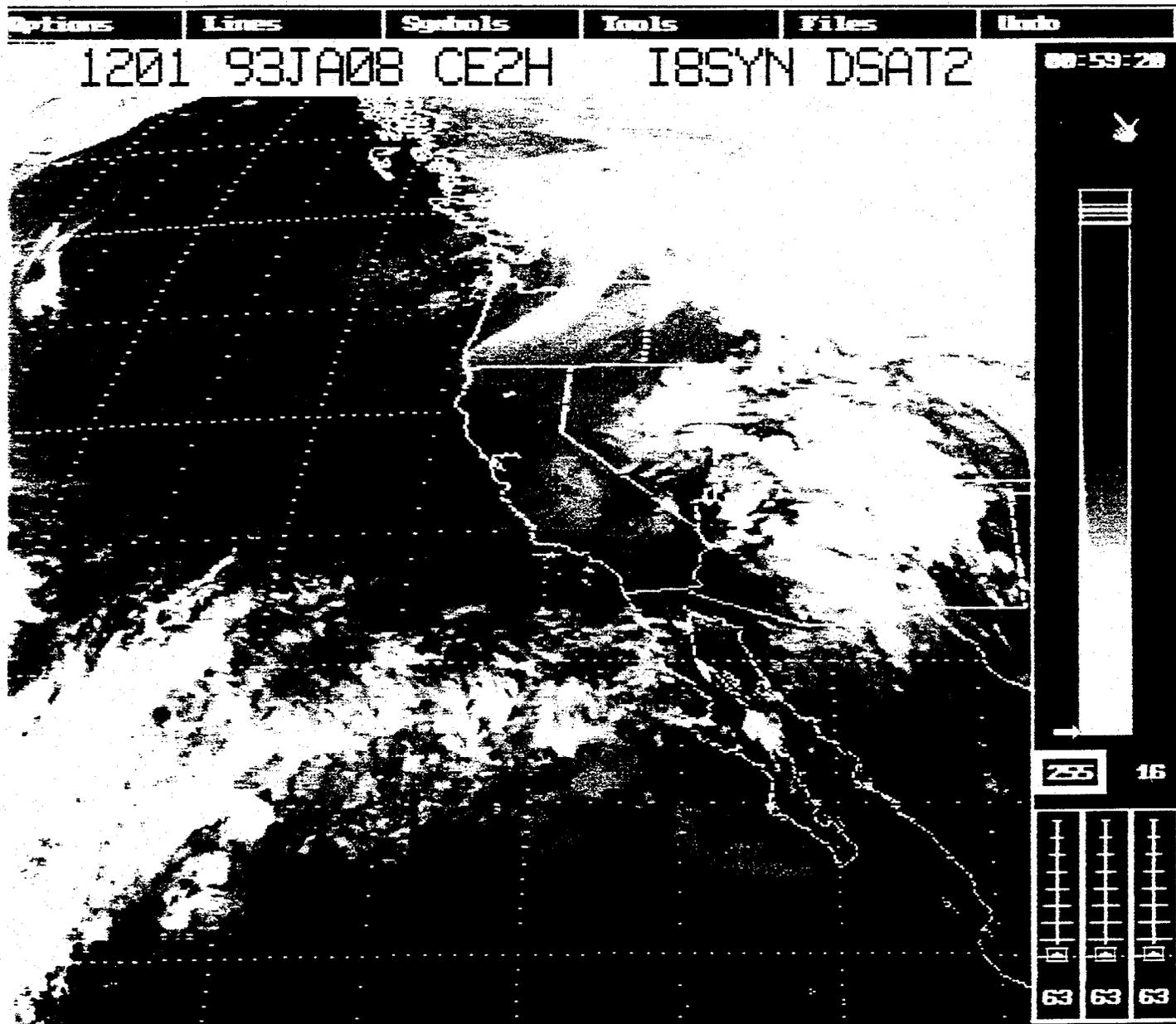


79/02



50H:00H RGL 500 HT V12ZFr08JA93
 50V:00H RGL 500 VOT V12ZFr08JA93

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 of



F310f

Another factor contributing to the unusually high runoffs and associated flooding was snow melt. Since the subtropical jet stream's mean position was farther north than is usually the case, subtropical heat and moisture also existed further north than usual. As a result, areas that usually do not experience snow melt until spring received rain on top of the snow pack, which significantly contributed to the runoff and resultant floods and flash floods. The snow level during the January 6-8 event rose to about 8500 ft msl, several thousand feet above typical snow levels.

SUMMARY

The combination of a northward-displaced subtropical jet, with its abundant moisture supply and associated disturbances, and a southward-displaced polar jet, with its storm track, led to the abnormally wet period from just after Christmas to mid-January. Both displacements are associated with the persistent El Nino event occurring in the equatorial Pacific Ocean. Teleconnections supported evolution of ridge of high heights across the eastern Pacific, so events occurring thousands of miles west and east of Arizona played a significant role in the unusually wet weather Arizona experienced.

Flooded zone	Area	Physical damages	Emergency costs and business losses	Total
JUNE 22, 1972 (1)				
UPPER INDIAN BEND WASH Paradise Valley	2350 Ac	\$206,000	\$44,000	\$250,000
Scottsdale	850 Ac	198,000	33,000	231,000
LOWER INDIAN BEND WASH Scottsdale	1000 Ac	597,000	490,000	1,087,000
Tempe	450 Ac	244,000	128,000	372,000
Sub-total				1,940,000
ABOVE ARIZONA CANAL Scottsdale	300 Ac	1,005,000	182,000	1,187,000
Phoenix	500 Ac	512,000	96,000	608,000
Sub-total				1,795,000
BREAKS IN ARIZONA CANAL Central	12 Ac	98,000	217,000	315,000
7th St	75	5,000	53,000	58,000
12th St	15	22,000	4,000	26,000
16th St & 18th Pl	115	70,000	12,000	82,000
20th St	2	5,000	1,000	6,000
32nd & 40th Sts	2800	3,001,000	767,000	3,768,000
Sub-total				4,255,000
ALONG GRAND CANAL AND BREAKS IN GRAND CANAL Ponding along canal	350 Ac	1,502,000	215,000	1,717,000
12th St	60	132,000	10,000	142,000
Central	140	206,000	255,000	461,000
7th St	50	160,000	73,000	233,000
Longview	70	12,000	3,000	15,000
Sub-total				2,568,000
GRAND TOTAL	9139 Ac	\$7,975,000	\$2,583,000	\$10,558,000

SOURCE NOTATION

(1) Corps of Engineers survey. Includes residential, commercial and industrial, public, railroad, utilities, highways and streets, irrigation works, and agriculture damages.

SAMPLE BREAKDOWN OF FLOOD DAMAGES,
FLOOD OF JUNE 22, 1972

P = PHYSICAL DAMAGES
E & B = EMERGENCY COSTS AND BUSINESS LOSSES

	UPPER INDIAN BEND WASH		LOWER INDIAN BEND WASH	
	PARADISE VALLEY	SCOTTSDALE	SCOTTSDALE	TEMPE
AREA FLOODED	2350 AC	850 AC	1000 AC	450 AC
RESIDENTIAL - PHYSICAL	\$167,000	\$26,000	\$174,000	\$37,000
" - E & B	17,000	3,000	37,000	11,000
COMMERCIAL - P	0	0	17,000	148,000
" - E & B	0	0	169,000	99,000
INDUSTRIAL - P	0	0	0	53,000
" - E & B	0	0	0	15,000
PUBLIC - P	1,000	1,000	125,000	3,000
" - E & B	3,000	0	67,000	1,000
PARKS & RECREATION - P	1,000	150,000	84,000	0
" " E & B	14,000	2,000	51,000	0
AGRICULTURE - P	2,000	17,000	73,000	1,000
" - E & B	1,000	12,000	14,000	1,000
STREETS & BRIDGES - P	3,000	4,000	36,000	0
" " E & B	1,000	16,000	144,000	0
UTILITIES - P	32,000	0	26,000	0
" - E & B	8,000	0	3,000	0
STREAMS & CHANNELS - P	0	0	30,000	2,000
" - E & B	0	0	2,000	1,000
IRRIGATION - P	0	0	32,000	0
" - E & B	0	0	3,000	0
TOTAL - P	206,000	198,000	597,000	244,000
" - E & B	44,000	33,000	490,000	128,000
	250,000	231,000	1,087,000	372,000

GRAND TOTAL 1,940,000

REC'D BY LONG DIST. FROM D/E (POTTER) 1/19/73 NEO.

HOOK, ROCKWELL & ZUENDEL

Consulting Engineers, Inc.

3511 EAST INDIAN SCHOOL RD.
PHOENIX, ARIZONA 85018
TELEPHONE 956-3200

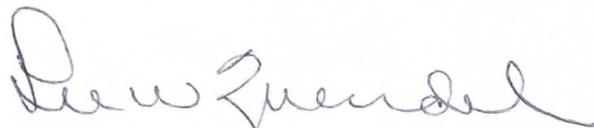
August 8, 1973

Maricopa County Flood Control
3325 West Durango
Phoenix, Arizona

Gentlemen:

Please let Mr. Higbie have one copy of Corps of Engineers
Report on June 22, 1972, Flood.

Yours very truly,
HOOK, ROCKWELL & ZUENDEL
Consulting Engineers, Inc.


Lee W. Zuendel, P.E.

LWZ"ph



Delivered
8/8/73
aw

SALT RIVER PROJECT

P.O. BOX 1980
PHOENIX, ARIZONA 85001

May 3, 1973



TELEPHONE 273-5900



Los Angeles District
Corps of Engineers
Attn: Channels Section, Mr. Ivener
P.O. Box 2711
Los Angeles, California 90053

A recent call from your office requested investigation of breaks in the north bank of the Arizona Canal between McDonald Drive and 56th Street. We have investigated the records of recent major storms, and find no evidence of breaks in the north bank of the canal.

During the storm of June 22, 1972, water did flow into the Arizona Canal over the bridge at Scottsdale Road and over the north bank at this location, but there were no breaks.

DONALD E. WOMACK, P.E.
Supervisor

Civil Engineering Department-Water

xc: J. Lowry, MCFCD ✓
R. Teeples
D. Weesner
R. Juetten
R. Earl

1 IN THE SUPERIOR COURT OF THE STATE OF ARIZONA

2 IN AND FOR THE COUNTY OF MARICOPA

3 M. M. MARKIEWICZ; H. S. LOGWOOD,)
4 et al,)

5 Plaintiffs,)

6 vs.)

7 SALT RIVER VALLEY WATER USERS')
8 ASSOCIATION and SALT RIVER PROJECT)
9 AGRICULTURAL IMPROVEMENT AND)
10 POWER DISTRICT, a political subdivision)
of the State of Arizona,)

11 Defendants.)

NO. C-272685

SUBPOENA DUCES TECUM

12 IN THE NAME OF THE STATE OF ARIZONA TO:

13 Custodian of Records
14 Maricopa County Flood Control District
3325 W. Durango, Phoenix, Arizona

15 You are hereby commanded to attend and give testimony in the
16 above entitled matter at the time and place as follows:

17 PLACE: Offices of Burch, Cracchiolo, Levie, Guyer & Weyl

18
19 ADDRESS: 2333 North Central Avenue
Phoenix, Arizona

20
21 DATE: Thursday, October 10, 1974

22 TIME: 8:30 a.m.
23

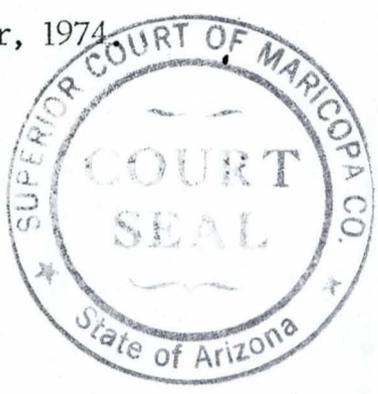
24 You are further commanded to produce at the above place and date
25 the following:

- 26 (a) any and all reports relating to the flood of June 22, 1972 as
27 affected by the Arizona Canal or occurring in the vicinity of the Arizona
Canal between Indian Bend Wash and 32nd Street, Phoenix, Arizona;
28 (b) any and all correspondence with the Salt River Valley Water
29 Users' Association or Salt River Project Agricultural Improvement and
Power District;
30 (c) any analysis of causes or results of the flood of June 22, 1972;
31 (d) any and all files kept by you relating to the flood of June 22,
1972.
32

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Failure to obey this subpoena duces tecum without adequate excuse may be deemed a contempt of court.

Given under my hand and the seal of this court this 2 day of October, 1974



WILSON D. PALMER, Clerk

By E. McCREADY
Deputy Clerk

United States
Department of the Interior
Geological Survey
Water Resources Division

Flood of June 22, 1972, Indian Bend Wash
Maricopa County, Arizona

Phoenix, Arizona
July 1972

On June 22, 1972, the area from downtown Phoenix to the Phoenix Mountains and across Paradise Valley to the McDowell Mountains received as much as 4 inches of rainfall within a 2-hour period. Flooding occurred along Indian Bend Wash from Paradise Valley, through Scottsdale and the north part of Tempe, to the Salt River. Flooding also occurred up-slope of the Arizona Canal in Scottsdale and Phoenix and down-slope from the Arizona Canal in Phoenix. Very large unit discharges resulted from the intense rainfall in small drainage areas along the southern part of the Phoenix Mountains. In Paradise Valley and on the southwest slopes of the McDowell Mountains large areas were inundated by sheet flow.

This preliminary report covers the flooded areas mainly along Indian Bend Wash. Rainfall data points and peak flood determination points are shown on the general location map (fig. 1). A listing of peak streamflow discharge rates, sizes of drainage areas, gage heights, and values of unit runoff are given in table 1. Approximate area flooded along Indian Bend Wash is delineated on aerial photomosaics (figs. 2 and 6). Individual photographs of the flooded areas are shown in figures 3 through 5, and 7 through 14.

Figure 1. --Map of area showing location of flood-determination points and precipitation data for June 22, 1972; Phoenix, Scottsdale, and Paradise Valley areas, Arizona

EXPLANATION

■ 8

Gaging station

□ 5

Miscellaneous measurement site
(Numbers correspond to those in Table 1)

△ 3.44

Precipitation data point
(Number is unofficial rainfall in inches)

Table 1. --Flood stages and preliminary discharges for peak of June 22, 1972 -- Phoenix, Scottsdale, and Paradise Valley areas, Arizona

Station	Stream and place of determination	Drainage area (sq mi)	Gage height (ft)	Discharge* (cfs)	Unit runoff* (csm)
1	Shea Wash, SE $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	1.79	-	945	528
2	Shea Wash trib No. 3, SE $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	.09	-	86	956
3	Shea Wash trib No. 2, SW $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	.14	-	103	736
4	Shea Wash trib No. 1, SW $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	.12	-	80	667
5	Indian Bend Wash trib No. 1, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 3 N., R. 4 E., at Tatum Blvd in Paradise Valley	.026	-	88	3,400
6	Indian Bend Wash trib No. 2, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 3 N., R. 4 E., at Tatum Blvd in Paradise Valley	.075	-	144	1,920
7	Indian Bend Wash, SW $\frac{1}{4}$ sec. 34, T. 3 N., R. 4 E., at Camelback Country Club in Paradise Valley	83	-	14,500	175
8	Indian Bend Wash (at Indian Bend Rd) nr Scottsdale (gaging station)	142	4.93	20,000	141
9	Indian Bend Wash at Thomas Road in Scottsdale **		7.98	14,300	-
10	Cudia City Wash nr Phoenix, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 2 N., R. 4 E., 1,000 ft upstream from McDonald Drive	2.16	-	4,200	1,940
11	Cudia City Wash trib at 40th St and Rancho Drive, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 2 N., R. 3 E.	.08	-	219	2,750
12	Dreamy Draw (at 16th St) at Phoenix, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 3 N., R. 3 E.	1.62	-	860	530

*All figures are preliminary, subject to revision.

**Slope-area survey run at Roosevelt St.

Inspection of Flooded areas
by R. E. Ohsiek

June 22, 1972

8:00 am

^{in the vicinity of Central av}
The Arizona Canal, was full, within inches of the top of the south bank, and lapping over at spots. The spillways were discharging water up to 6" deep, and the flow was blocking traffic on the streets south of the canal. As far as SRP crews knew, there were no breaks in the canal bank. The water was overflowing to north bank and running into the low areas parallel to the canal.

9-1000

Bell Road, 7th St to 32nd St. Water is crossing the road, at every low place, all the way.

at 26th St and Bell, the low area from the north has water $\frac{1}{2}$ ' to 1' deep running toward the south.

at 32nd Street, south of Bell - deep water crossing the road. Homes are flooded and cars stalled and flooded.

Drainage in this vicinity is heavy - going westward toward Coe Creek and eastward toward Upper Indian Bend Wash.

10 30

Dreamy Draw and 12th St. The draw was 3-4' deep this morning. Paving

of 12th St. was washed out. APS tractors
dropped into a hole in the paving. One
car was washed off the road and
toward the canal. Another car dropped
into the hole in the paving, then turned
over when an attempt was made to pull
it out. Housing under construction between
12th St and the canal sustained damage.

11:00 The south bank of the big Canal, just
at the east side of Central Av., was
overtopped about 10:30 and began to
cut the bank. However a repair crew
began work on it immediately and the
bank was repaired by 11:30.

1200 Water is about 1' deep, 1/4 mile wide
flowing westward across 7th St., south
of Bell Road.

1215 Core Creek at 19th Av was flowing on
estimated 1000 cfs.

1245 Core Creek at Thunderbird Road was rising.

1315 Core Creek was 4" deep across Peoria
Av.

1330

Avg. Canal at Cove Creek. Water is 1' lower than lip of spillway and it looks as though a small earth dike on the south side of the spillway kept any water from leaving the canal. Only a small flow was entering from Cove Creek.

1345

MCHD ^{reports} that water was 18" deep, 250' wide, on Union Hills Drive between Cove Creek Road and 32nd St.

1400

Inkwin Bend Wash (IBW) was about 3000' wide at Shear Blvd. A boy who waded across said it was 2' deep near the center. Marks indicated the peak flow had been about 1' higher.

1400

IBW at Totem was 2000' wide; no idea of depth.

1415

MCHD reported that water on Union Hills between 32nd and 40th Sts was beginning to fall slowly.

1425

IBW at Double Tree Ranch Rd. West edge was at 56th St, and marks showed the water had fallen about 1'. Estimated width 3000'; waders reported depth

about 3' at its middle.

1500 IBW at Indian Bend Road - approx
1 mile wide. West side is 200' west
of NE corner of Rocking Ranch.

1515 IBW at Scottsdale Rd. - south side of
flow is at entrance to Stillman home.
About 1 mile wide; depth in range of 1' -
pickup trucks were passing (saw no
cars passing)

1515 MC140 reported SRP said they were
releasing 7500 c.f.s. at Granite Reef Dam.

1530 IBW at McDermold Dr. Very wide;
west side at canal bank. about 2' deep
near center; had been $\frac{1}{2}$ ' deeper earlier.
The east bank of the brig. Canal had been
cut just upstream from McDermold Dr.
to relieve the flood threat further
south along the canal.

SALT RIVER PROJECT

P.O. BOX 1980
PHOENIX, ARIZONA 85001*File with
report on storm
June 22, 1972*

August 4, 1972

TELEPHONE 273-5900

Mr. Lee Ohsiek
Maricopa County Flood Control District
3325 West Durango Street
Phoenix AZ 85009



Dear Mr. Ohsiek:

Re: Canal Breaks - Storm of June 22, 1972.

Per your request directed to Reid Teeples, Chief Engineer, Water Group, the following submittal lists the canal breaks we experienced from the storm of June 22, 1972. This list refers only to what we consider actual breaks and does not include the many locations that water overflowed the canal banks.

<u>Location</u>	<u># of Breaks</u>	<u>Size</u>
South bank of the Arizona Canal from Granite Reef Road to the Indian Bend Wasteway	8	Varied - 4' to 60' wide, 5' to 6' deep
NE corner-Arizona Canal and East McDonald Drive (This was a breach made by the city of Scottsdale)	1	25' wide, 6' deep
South bank of the Arizona Canal approximately 250' west of 40th St.	3	25' wide each, 4' to 5' deep
South bank of the Grand Canal - 100' east of 7th St.	3	30', 20' and 10' wide, 3½' to 4' deep

Mr. Lee Ohsie
Canal Breaks, Storm of June 22, 1972
August 4, 1972
Page 2.

<u>Location</u>	<u># of Breaks</u>	<u>Size</u>
South bank of the Grand Canal 100' to 400' east of Central Avenue	3	40', 30' and 20' wide, 4' to 5' deep

The attached map shows location and description of breaks and numerous areas of overflow including overflow at our designed flood control spillways.

If we can be of further service on this subject, please let me know.

Very truly yours,



D. L. Weesner
General Superintendent
Water Construction & Maintenance

Attachment

cc: S. Friar
H. Shipley
R. Teeples

MAP OF IRRIGATION AND PROPERTY

Salt River Valley Water Users
Phoenix, Arizona

8 BREAKS IN SOUTH BANK OF ARIZ. CAN. 4' TO 60' WIDE EA 5'-6' DEEP.

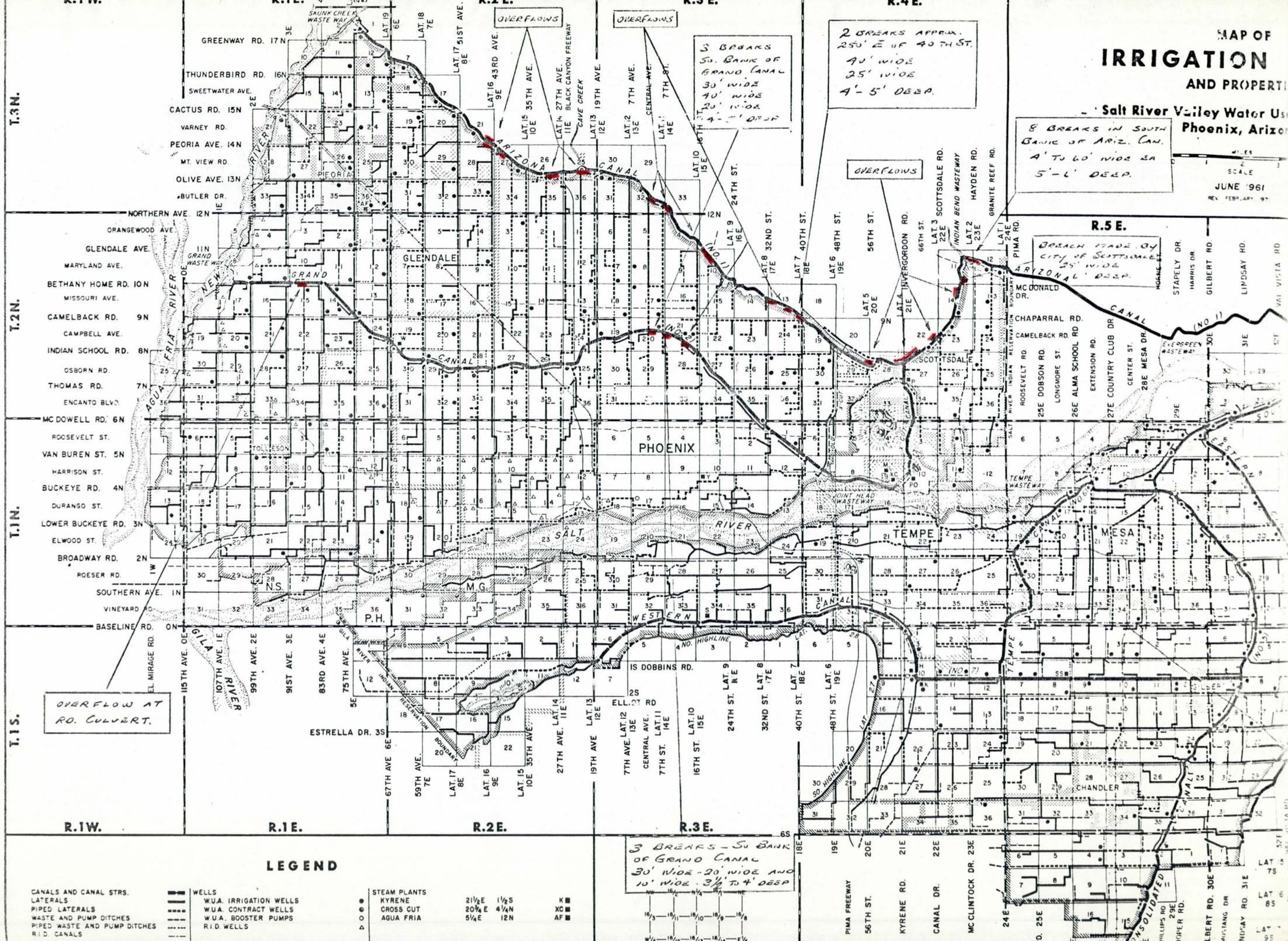
2 BREAKS APPROX. 250' E OF 40TH ST. 40' WIDE 25' WIDE 4'-5' DEEP.

3 BREAKS S. BANK OF GRAND CANAL 30' WIDE 40' WIDE 20' WIDE 4'-5' DEEP.

BREACH MADE BY CITY OF SCOTTSDALE 25' WIDE ARIZONAL DEEP.

OVERFLOW AT RD. CULVERT.

SCALE
JUNE '961
REV. FEB. '97



LEGEND

- | | | | | |
|---|---|--|--|---|
| <ul style="list-style-type: none"> --- CANALS AND CANAL STRS. --- LATERALS --- PIPED LATERALS --- WASTE AND PUMP DITCHES --- PIPED WASTE AND PUMP DITCHES --- R.I.D. CANALS | <ul style="list-style-type: none"> ● WELLS ○ W.U.A. IRRIGATION WELLS ○ W.U.A. CONTRACT WELLS ○ W.U.A. BOOSTER PUMPS ○ R.I.D. WELLS | <ul style="list-style-type: none"> ● STEAM PLANTS ○ KYRENE ○ CROSS CUT ○ AGUA FRIA | <ul style="list-style-type: none"> 2 1/2 E 20 3/4 E 5 1/4 E 1 1/2 S 4 1/4 N 12 N | <ul style="list-style-type: none"> ■ ⊗ ⊠ |
|---|---|--|--|---|

3 BREAKS - S. BANK OF GRAND CANAL 30' WIDE - 20' WIDE AND 10' WIDE - 3 1/2' TO 4' DEEP



Flood Control District
of
Maricopa County

3325 WEST DURANGO STREET
PHOENIX, ARIZONA 85009

DATE: April 2, 1973
MEMO TO: J. J. Peattie, Deputy County Manager
FROM: L. E. Ohsiek, Assistant Chief Engineer
SUBJECT: Flood of June 22, 1972

Enclosed are copies of the recently received report on the Flood of June 22, 1972, prepared by the District Engineer, Los Angeles. These copies are for you and the County Manager. Copies were sent directly to each Supervisor by the District Engineer.

Sincerely,

A handwritten signature in cursive script that reads "L. E. Ohsiek".

L. E. Ohsiek
Asst. Chief Engineer

LEO/lo
Encl.

April 2, 1973

TO: Wm. Eldridge, Roy Bluhm, Civil Defense
FROM: John C. Lowry, Chief Engineer & General Manager
SUBJECT: Storm Damage Report for June 22, 1972 Storm

Enclosed are ⁽²⁾ copies of above mentioned reports prepared by the
Corps of Engineers for your use.

JCL *bn*

John C. Lowry
Chief Engineer & General Manager

bn

Encl/



DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, CORPS OF ENGINEERS
P. O. BOX 2711
LOS ANGELES, CALIFORNIA 90053

SPLED-WB

28 March 1973

Colonel John C. Lowry
Chief Engineer and General Manager
Flood Control District of Maricopa County
3325 West Durango Street
Phoenix, Arizona 85009



Dear Colonel Lowry:

I am pleased to inclose 75 copies of the report on the flood of 22 June 1972 in the Phoenix metropolitan area, Arizona. Also inclosed is a copy of our mailing list for the report.

not included. B-71

If additional copies are needed, we will be pleased to provide them.

Sincerely yours,

Garth A. Fuquay

GARTH A. FUQUAY
Chief, Engineering Division

2 Incl
As stated

MARCH 1973

U. S. ARMY CORPS OF ENGINEERS, LOS ANGELES DISTRICT
MAILING LIST FOR FLOOD DAMAGE REPORT ON FLOOD OF
22 JUNE 1972 IN PHOENIX METROPOLITAN AREA, ARIZONA

Honorable Paul Fannin *
230 N. First Avenue, Room 3413
Phoenix, Arizona 85025

Arizona State Conservationist
U.S. Soil Conservation Service
230 N. First Avenue, Room 6029
Phoenix, Arizona 85025

Honorable Barry M. Goldwater *
230 N. First Avenue, Room 5420
Phoenix, Arizona 85025

Regional Hydrologist, Western Region
National Weather Service, NOAA
P. O. Box 11188
Salt Lake City, Utah 84111

Honorable John J. Rhodes *
230 N. First Avenue, Room 6040
Phoenix, Arizona 85025

Meteorologist in Charge
National Weather Service, NOAA
2800 Sky Harbor Boulevard, Room 135
Phoenix, Arizona 85034

Honorable Morris K. Udall *
Room 232- Federal Building
Tucson, Arizona 85702

Regional Administrator, Region IX
Department Housing & Urban Development
450 Golden Gate Avenue, Box 36003
San Francisco, California 94102

Honorable Samuel Steiger *
230 N. First Avenue, Room 5015
Phoenix, Arizona 85025

Area Engineer
Metropolitan Development Office
Department Housing & Urban Development
222 W. Osborn Road
Phoenix, Arizona 85004

Honorable John B. Conlan *
230 N. First Avenue, Room 3449
Phoenix, Arizona 85025

Director
Federal Housing Administration
P. O. Box 13468
Phoenix, Arizona 85002

Director, Regional Office 9
Office of Emergency Preparedness
120 Montgomery Street
San Francisco, California 94104

Director, Phoenix Area
U.S. Bureau of Indian Affairs
P. O. Box 7007
Phoenix, Arizona 85011

Arizona State Director
U.S. Bureau of Land Management
230 N. First Avenue
Phoenix, Arizona 85025

* Furnished copy of mailing list



Regional Director, Pacific Southwest
U.S. Bureau of Outdoor Recreation
450 Golden Gate Avenue, Box 36062
San Francisco, California 94102

Projects Manager, Region 3
Phoenix Development Office
U.S. Bureau of Reclamation
135 North 2nd Avenue
Phoenix, Arizona 85003

Field Supervisor
Division River Basin Studies
Bureau Sport Fisheries & Wildlife
522 N. Central Avenue, Room 247A
Phoenix, Arizona 85004

Division Engineer
Federal Highway Administration
3500 N. Central Avenue
Phoenix, Arizona 85025

District Director
Small Business Administration
112 N. Central Avenue
Phoenix, Arizona 85004

Planning and Building Commission
State of Arizona Land Department
1624 West Adams Street
Phoenix, Arizona 85007

Director
Outdoor Recreation Coordinating Committee
2222 West Greenway Road
Phoenix, Arizona 85023

Chairman
Arizona Water Resources Committee
State Land Department
1624 West Adams Street
Phoenix, Arizona 85007

Honorable John R. Williams *
Governor of Arizona
State Capitol
Phoenix, Arizona 85007

Honorable Andrew L. Bettwy
State Land Commissioner
State of Arizona
1624 West Adams Street
Phoenix, Arizona 85007

Director
Department of Civil Defense
State of Arizona
1700 W. Washington Boulevard
Phoenix, Arizona 85007

Director, Economic Planning and
Development Department
Attn: Mr. Maurice Giss
3003 N. Central Avenue, Suite 1704
Phoenix, Arizona 85007

Mr. Wesley E. Steiner, Chairman *
Arizona Water Commission
222 N. Central Avenue
Phoenix, Arizona 85003

Director
Game and Fish Department
State of Arizona
P. O. Box 9095
Phoenix, Arizona 85020

Director
Highway Department
State of Arizona
206 South 17th Avenue
Phoenix, Arizona 85007

Director
Soil Conservation Division
Arizona Land Department
1624 West Adams Street
Phoenix, Arizona 85007

* Furnished copy of mailing list

Secretary of the Senate
Arizona State Senate
State Capitol- Senate Wing
Phoenix, Arizona 85007

Honorable Howard E. Baldwin
Arizona State Senator
1622 West Clarendon Avenue
Phoenix, Arizona 85015

Honorable Alfredo Guteirrez
Arizona State Senator
4848 S. 11th Street
Phoenix, Arizona

Honorable Trudy Camping
Arizona State Senator
2015 N. 38th Way
Phoenix, Arizona 85008

Honorable John Roeder
Arizona State Senator
4201 E. Camelback Road
Phoenix, Arizona 85018

Honorable David B. Kret
Arizona State Senator
2420 N. 73rd Street
Scottsdale, Arizona 85257

Honorable D. Delos Ellsworth
Arizona State Senator
1846 E. Glencove
Mesa, Arizona 85203

Honorable Tony Gabaldon
Arizona State Senator
208 West Dale
Flagstaff, Arizona 86001

Honorable Fred Koory, Jr.
Arizona State Senator
5753 West Morten Avenue
Glendale, Arizona 85301

Honorable James A. Mack
Arizona State Senator
1101 East Broadmor Drive
Tempe, Arizona 85282

Honorable Bob Stump
Arizona State Senator
P.O. Box 5
Tolleson, Arizona 85353

Honorable Ray Rottas
Arizona State Senator
6130 North 3d Avenue
Phoenix, Arizona 85013

Honorable S. H. "Hal" Runyan
Arizona State Senator
260 Bird Lane
Litchfield Park, Arizona 85340

Honorable Sandra D. O'Connor
Arizona State Senator
3651 East Denton Lane
Paradise Valley, Arizona 85253

Honorable Stan Turley
Arizona State Senator
2650 E. Southern Avenue
Mesa, Arizona 85204

Honorable Bess B. Stinson
Arizona State Senator
1919 West Earll Street
Phoenix, Arizona 85015

Honorable Manuel "Lito" Pena
Arizona State Senator
3728 W. Willetta
Phoenix, Arizona 85009

Honorable Leo F. Corbet, Jr.
Arizona State Senator
1452 E. McLellan Boulevard
Phoenix, Arizona 85014

Honorable Bob Strother
Arizona State Senator
7819 No. 34th Avenue
Phoenix, Arizona 85021

Honorable Harold Giss
Arizona State Senator
501 8th Avenue
Yuma, Arizona 85364

Chief Clerk
Arizona State House of Representatives
State Capitol - House Wing
Phoenix, Arizona 85007

Honorable Stan Akers
Arizona State Representative
320 West McLellan Road
Phoenix, Arizona 85013

Honorable Peter Kay
Arizona State Representative
5002 East Calle Redonda
Phoenix, Arizona 85018

Honorable Richard Burgess
Arizona State Representative
5125 North 40th Street
Phoenix, Arizona 85018

Honorable Howard Adams
Arizona State Representative
3645 North 21st Avenue
Phoenix, Arizona 85015

Honorable Jay C. Stuckey, Sr.
Arizona State Representative
2608 North Dayton
Phoenix, Arizona 85006

Honorable Bill McCune
Arizona State Representative
5443 West Wolf
Phoenix, Arizona 85031

Honorable D. Lee Jones
Arizona State Representative
1201 East Windsor Avenue
Phoenix, Arizona 85006

Honorable Burton S. Barr
Arizona State Representative
142 East Sierra Vista Drive
Phoenix, Arizona 85012

Honorable Sam A. McConnell, Jr.
Arizona State Representative
810 West Sheridan
Williams, Arizona 86046

Honorable Ruth Peck
Arizona State Representative
510 East Medlock
Phoenix, Arizona 85012

Honorable John Wettaw
Arizona State Representative
115 E. Terrace Ave., #31
Flagstaff, Arizona 86001

Honorable Elizabeth Adams Rockwell
Arizona State Representative
308 East Palm Lane
Phoenix, Arizona 85004

Honorable G. T. (Tom) Alley
Arizona State Representative
910 Esperanza Avenue
Ajo, Arizona 85321

Honorable C. W. "Bill" Lewis
Arizona State Representative
4426 North 63d Avenue
Phoenix, Arizona 85033

Honorable Polly Getzwiller
Arizona State Representative
P.O. Box 127
Casa Grande, Arizona 85222

Honorable Don Stuart
Arizona State Representative
4002 West Keim Drive
Phoenix, Arizona 85019

Honorable J. Herbert Everett
Arizona State Representative
11554 114th Drive
Youngtown, Arizona 85263

Honorable James B. Ratliff
Arizona State Representative
12033 Hillcrest Drive
Sun City, Arizona 85351

Honorable Jim Skelly
Arizona State Representative
2221 East Indianola Avenue
Phoenix, Arizona 85016

Honorable Diane B. McCarthy
Arizona State Representative
4320 W. Maryland
Glendale, Arizona 85301

Honorable Bob Hungerford
Arizona State Representative
7008 East Holly Street
Scottsdale, Arizona 85257

Honorable Tony R. Abril
Arizona State Representative
1718 E. Nancy Lane
Phoenix, Arizona 85040

Honorable Frank Kelley
Arizona State Representative
5009 East Sheridan
Phoenix, Arizona 85008

Honorable Pete Corpstein
Arizona State Representative
4342 E. Highland Drive
Paradise Valley, Arizona 85253

Honorable Leon Thompson
Arizona State Representative
1839 South 6th Avenue
Phoenix, Arizona 85003

Honorable Juanita Harelson
Arizona State Representative
1756 El Camino
Tempe, Arizona 85281

Honorable Michael Goodwin
Arizona State Representative
2125 East Balboa Drive
Tempe, Arizona 85281

Honorable Americo "Mac" Carvalho
Arizona State Representative
4925 N. 82nd Street
Scottsdale, Arizona 85251

Honorable Anne Lindeman
Arizona State Representative
6542 W. Earll Drive
Phoenix, Arizona 85033

Honorable Jim Cooper
Arizona State Representative
951 S. Lazona Drive
Mesa, Arizona 85204

Honorable . W. "Tony" West, Jr.
Arizona State Representative
544 W. Solano Drive
Phoenix, Arizona 85013

Honorable Jack J. Taylor
Arizona State Representative
38 N. Fraser Drive
Mesa, Arizona 85203

Honorable Art Hamilton
Arizona State Representative
2516 W. Madison
Phoenix, Arizona 85009

Honorable Carl J. Kunasek
Arizona State Representative
8315 E. Mawson Road
Mesa, Arizona 85207

Honorable R. G. "Danny" Pena
Arizona State Representative
1847 N. 39th Avenue
Phoenix, Arizona 85009

Honorable James J. Sossaman
Arizona State Representative
Rt. 1, Box 80
Higley, Arizona 85236

Supervisor Henry H. Haws
Chairman, Board of Supervisors
Maricopa County
111 South 3d Avenue
Phoenix, Arizona 85003

Supervisor Eldon Rudd
Board of Supervisors, District 2
Maricopa County
111 South 3d Avenue
Phoenix, Arizona 85003

Supervisor Bob Corbin
Board of Supervisors, District 3
Maricopa County
111 South 3d Avenue
Phoenix, Arizona 85003

Supervisor Bob Stark
Board of Supervisors, District 4
Maricopa County
111 South 3d Avenue
Phoenix, Arizona 85003

Supervisor Joe Eddie Lopez
Board of Supervisors, District 5
Maricopa County
111 South 3d Avenue
Phoenix, Arizona 85003

Colonel John C. Lowry*
Chief Engineer & General Manager
Flood Control District Maricopa County
3325 West Durango Street
Phoenix, Arizona 85009

Mr. Robert C. Esterbrooks
County Engineer
Maricopa County Highway Department
3325 West Durango Street
Phoenix, Arizona 85003

Director
Maricopa Association of Governments
1820 West Washington
Phoenix, Arizona 85012

Director
Parks and Recreation Department
Maricopa County
4701 East Washington Street
Phoenix, Arizona 85034

Director
Planning and Zoning Commission
Maricopa County
111 South 3d Avenue
Phoenix, Arizona 85003

Director
Department of Library and Archives
State of Arizona
1700 West Washington
Phoenix, Arizona 85007

Chairman
Civil Engineering Department
College of Engineering Science
Arizona State University
Tempe, Arizona 85281

Department Head
Department of Civil Engineering
College of Engineering
University of Arizona
Tucson, Arizona 85721

Librarian
Free Library
Maricopa County Courthouse
125 West Washington
Phoenix, Arizona 85003

John Baldwin
City of Phoenix Division of Engineering
700 Municipal Building
251 West Washington Street
Phoenix, Arizona 85003

Mr. Reid W. Teeple
Chief Engineer
Salt River Project
P.O. Box 1980
Phoenix, Arizona 85001

Mr. James E. Attebery, City Engineer
City of Phoenix
City Hall - Room 700
251 West Washington
Phoenix, Arizona 85003

Planning Director
City of Phoenix
City Hall - Room 401
251 West Washington,
Phoenix, Arizona 85003

Honorable John R. Driggs
Mayor of Phoenix
City Hall, Room 900
251 West Washington Street
Phoenix, Arizona 85003

Honorable E. Robert Tribken
Mayor of Paradise Valley
6325 North Invergordon Road
Paradise Valley, Arizona 85253

Honorable B. L. Tims, O.D.
Mayor of Scottsdale
3939 Civic Center Plaza
Scottsdale, Arizona 85251

Honorable Dale R. Shumway
Mayor of Tempe
P.O. Box 5002
Tempe, Arizona 85281

Mr. John R. Erickson
Water Resources Associates
P. O. Box 1881
Scottsdale, Arizona 85252

Mr. Chester C. Kisiel
Professor of Hydrology and
Water Resources
University of Arizona
Tucson, Arizona 85721

Mr. Dan Raby
City Engineer
3939 Civic Center Plaza
Scottsdale, Arizona 85251

Harold A. Goodman
Director Engineering & Development
City of Glendale
7022 North 58th Drive
Glendale, Arizona 85311

General Manager
Chamber of Commerce of Phoenix
805 North 2nd Street
Phoenix, Arizona 85004

Mr. Wm. P. Schrader, Chairman
Citizen's Advisory Board
5611 E. Calle Camelia
Phoenix, Arizona 85018

Mr. Wilbur Weigold, Vice Chairman
Citizens' Advisory Board
P.O. Box 804
Buckeye, Arizona 85326

Mr. H. Lynn Anderson
Citizens' Advisory Board
Cotton Lane, Rt. 1, Box 515
Peoria, Arizona 85345

Mr. Louis R. Jurwitz
Citizens' Advisory Board
2448 E. Belleview
Phoenix, Arizona 85008

Mr. Hugh Nichols
Citizens' Advisory Board
Rt. 1, Box 16
Higley, Arizona 85236

Mr. Larry J. Richmond
Attorney at Law
1st National Bank Plaza - Suite 2290
Phoenix, Arizona 85003

William Walton, Planning Director
City of Scottsdale
3939 Civic Center Plaza
Scottsdale, Arizona 85251

Mr. Marc Stragier
Public Works Director
3939 Civic Center Plaza
Scottsdale, Arizona 85251

Mr. Grover R. Serenbetz
Director of Public Works
P. O. Box 5002
Tempe, Arizona 85281

District Chief
Water Resources Division
U.S. Geological Survey
P.O. Box 4070
Tucson, Arizona 85717

Subdistrict Chief
Water Resources Division
U.S. Geological Survey
Federal Building, Room 5017
Phoenix, Arizona 85025

Mr. Thomas J. Kuhn
c/o The Arizona Republic
P.O. Box 1950
Phoenix, Arizona 85004

A. Wayne Smith and Associates
Consultants in Land and
Environmental Planning
2120 South Rural Road, No. 1.
Tempe, Arizona 85281

Yost and Gardner Engineers
2619 North 3d Street
Phoenix, Arizona 85004



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
SOUTH PACIFIC DIVISION, CORPS OF ENGINEERS

630 Sansome Street, Room 1216
San Francisco, California 94111

SPDED-H

26 September 1972

Colonel John C. Lowry
Chief Engineer and General Manager
Flood Control District of Maricopa County
3325 West Durango Street
Phoenix, Arizona 85009



Dear Colonel Lowry:

I received the copy of the U.S.G.S. Report on the June 1972 flood in Indian Bend Wash. Both my staff and I found the report most interesting and quite informative. Thanks very much for sending it to me.

Sincerely yours,

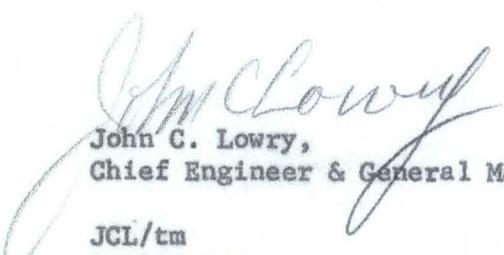
GEORGE B. FINK
Brigadier General, U. S. Army
Division Engineer

August 9, 1972

MEMO

TO: J.J. Peattie, Deputy County Manager
FROM: John C. Lowry, Chief Engineer & General Manager
SUBJ: USGS Report of Flood of June 22, 1972

The undersigned received one (1) copy from the USGS covering the flood of June 22, 1972 in Indian Bend Wash and areas in the vicinity of Indian Bend Wash. At present there is only one (1) copy available, so I have extracted from the report a short narrative together with Table I, which shows various locations, the drainage area in square miles of each of these areas and the CFS discharge. Also attached is a reduced copy of the drawing enclosed with the report which shows the stations by number as listed on Table I.


John C. Lowry,
Chief Engineer & General Manager

JCL/tm
Enclosures

6

Table 1. --Flood stages and preliminary discharges for peak of
June 22, 1972 -- Phoenix, Scottsdale, and Paradise
Valley areas, Arizona

Station	Stream and place of determination	Drainage area (sq mi)	Gage height (ft)	Discharge* (cfs)	Unit runoff (csm)
1	Shea Wash, SE $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	1.79	-	945	528
2	Shea Wash trib No. 3, SE $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	.09	-	86	956
3	Shea Wash trib No. 2, SW $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	.14	-	103	736
4	Shea Wash trib No. 1, SW $\frac{1}{4}$ sec. 23, T. 3 N., R. 5 E., at Shea Blvd nr Scottsdale	.12	-	80	667
5	Indian Bend Wash trib No. 1, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 3 N., R. 4 E., at Tatum Blvd in Paradise Valley	.026	-	88	3,400
6	Indian Bend Wash trib No. 2, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 3 N., R. 4 E., at Tatum Blvd in Paradise Valley	.075	-	144	1,920
7	Indian Bend Wash, SW $\frac{1}{4}$ sec. 34, T. 3 N., R. 4 E., at Camelback Country Club in Paradise Valley	83	-	14,500	175
8	Indian Bend Wash (at Indian Bend Rd) nr Scottsdale (gaging station)	142	4.93	20,000	141
9	Indian Bend Wash at Thomas Road in Scottsdale **		7.98	14,300	-
10	Cudia City Wash nr Phoenix, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 2 N., R. 4 E., 1,000 ft upstream from McDonald Drive	2.16	-	4,200	1,940
11	Cudia City Wash trib at 40th St and Rancho Drive, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 2 N., R. 3 E.	.08	-	219	2,750
12	Dreamy Draw (at 16th St) at Phoenix, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 3 N., R. 3 E.	1.62	-	860	530

*All figures are preliminary, subject to revision.

**Slope-area survey run at Roosevelt St.

6.

On June 22, 1972, the area from downtown Phoenix to the Phoenix Mountains and across Paradise Valley to the McDowell Mountains received as much as 4 inches of rainfall within a 2-hour period. Flooding occurred along Indian Bend Wash from Paradise Valley, through Scottsdale and the north part of Tempe, to the Salt River. Flooding also occurred up-slope of the Arizona Canal in Scottsdale and Phoenix and down-slope from the Arizona Canal in Phoenix. Very large unit discharges resulted from the intense rainfall in small drainage areas along the southern part of the Phoenix Mountains. In Paradise Valley and on the southwest slopes of the McDowell Mountains large areas were inundated by sheet flow.

This preliminary report covers the flooded areas mainly along Indian Bend Wash. Rainfall data points and peak flood determination points are shown on the general location map (fig. 1). A listing of peak streamflow discharge rates, sizes of drainage areas, gage heights, and values of unit runoff are given in table 1. Approximate area flooded along Indian Bend Wash is delineated on aerial photomosaics (figs. 2 and 6). Individual photographs of the flooded areas are shown in figures 3 through 5, and 7 through 14.

R.2E.

R.3E.

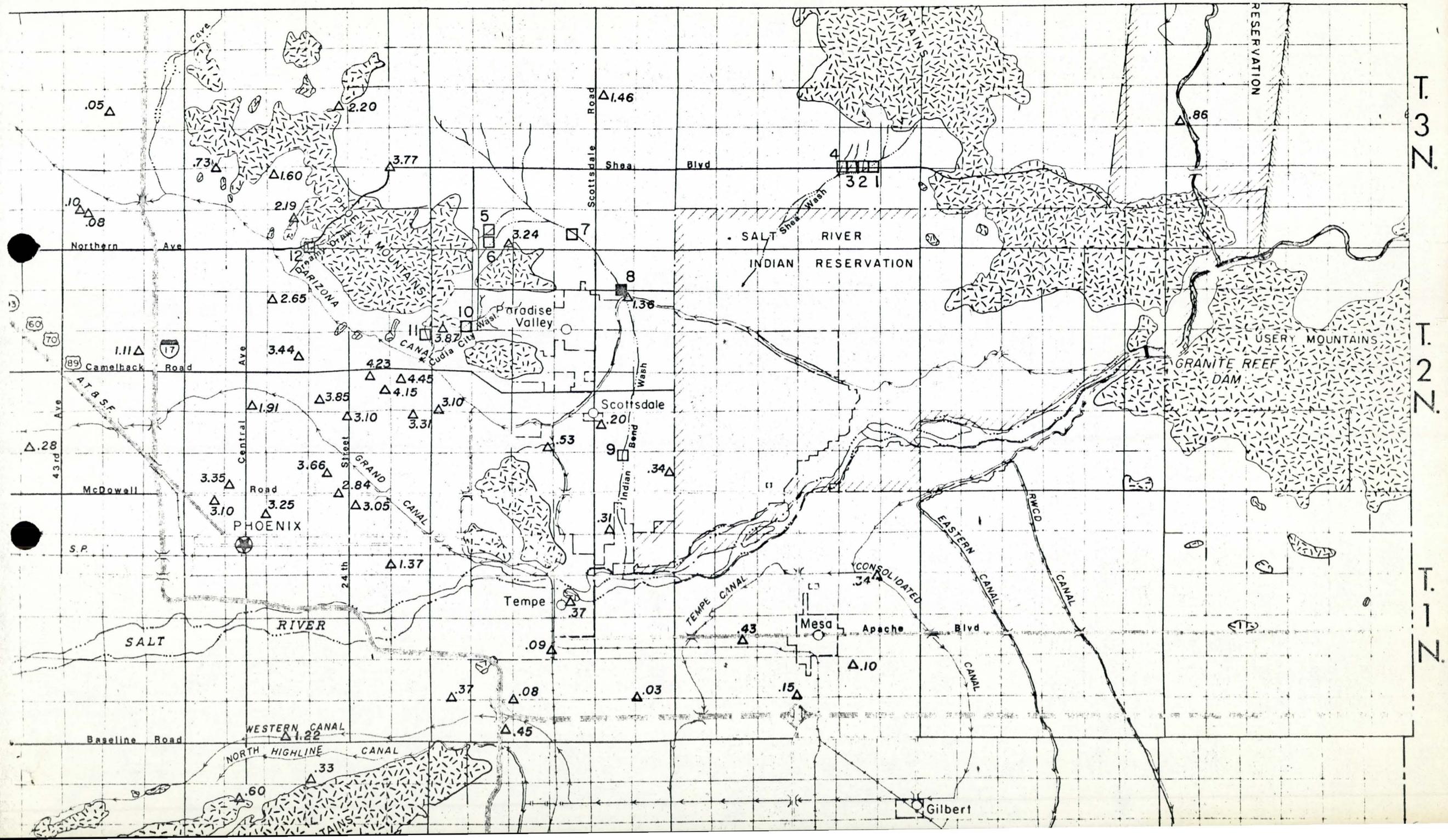
6

R.4E.

R.5E.

R.6E.

R.7E.



T.3N.

T.2N.

T.1N.

Load June 22, 1972

August 9, 1972

Department of the Army
Los Angeles Corps of Engineers
P.O. Box 2711
Los Angeles, California 90053

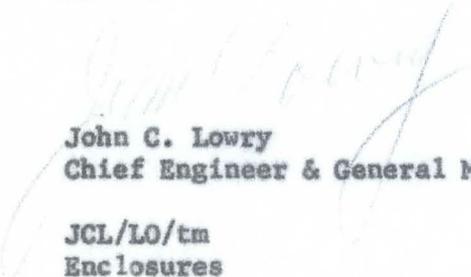
ATTN: Mr. A. Potter

Dear Mr. Potter,

The USGS has prepared a report on flooding which occurred in the Phoenix area on June 22nd, 1972. We have prepared a copy of the report and enclose it for information and distribution within your office. A copy is being furnished directly to Mr. Raketich.

A report of the canal breaks from the same storm has also been received from the Salt River Project and copies are furnished herewith.

Sincerely,



John C. Lowry
Chief Engineer & General Manager

JCL/LO/tm
Enclosures

cc: Mr. Walter Raketich, Jr.
LADEO

SALT RIVER PROJECT

P.O. BOX 1980
PHOENIX, ARIZONA 85001



August 4, 1972

TELEPHONE 273-5900

Mr. Lee Ohsiek
Maricopa County Flood Control District
3325 West Durango Street
Phoenix AZ 85009



Dear Mr. Ohsiek:

Re: Canal Breaks - Storm of June 22, 1972.

Per your request directed to Reid Teeples, Chief Engineer, Water Group, the following submittal lists the canal breaks we experienced from the storm of June 22, 1972. This list refers only to what we consider actual breaks and does not include the many locations that water overflowed the canal banks.

<u>Location</u>	<u># of Breaks</u>	<u>Size</u>
South bank of the Arizona Canal from Granite Reef Road to the Indian Bend Wasteway	8	Varied - 4' to 60' wide, 5' to 6' deep
NE corner-Arizona Canal and East McDonald Drive (This was a breach made by the city of Scottsdale)	1	25' wide, 6' deep
South bank of the Arizona Canal approximately 250' west of 40th St.	3	25' wide each, 4' to 5' deep
South bank of the Grand Canal - 100' east of 7th St.	3	30', 20' and 10' wide, 3½' to 4' deep

Mr. Lee Ohsiek
Canal Breaks, Storm of June 22, 1972
August 4, 1972
Page 2.

<u>Location</u>	<u># of Breaks</u>	<u>Size</u>
South bank of the Grand Canal 100' to 400' east of Central Avenue	3	40', 30' and 20' wide, 4' to 5' deep

The attached map shows location and description of breaks and numerous areas of overflow including overflow at our designed flood control spillways.

If we can be of further service on this subject, please let me know.

Very truly yours,



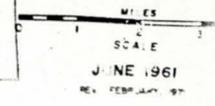
D. L. Weesner
General Superintendent
Water Construction & Maintenance

Attachment

cc: S. Friar
H. Shipley
R. Teeples

MAP OF IRRIGATION AND PROPERTY

Salt River Valley Water Users
Phoenix, Arizona



2 BREAKS APPROX.
250' E OF 40TH ST.
90' WIDE
25' DEEP
4'-5' DEEP.

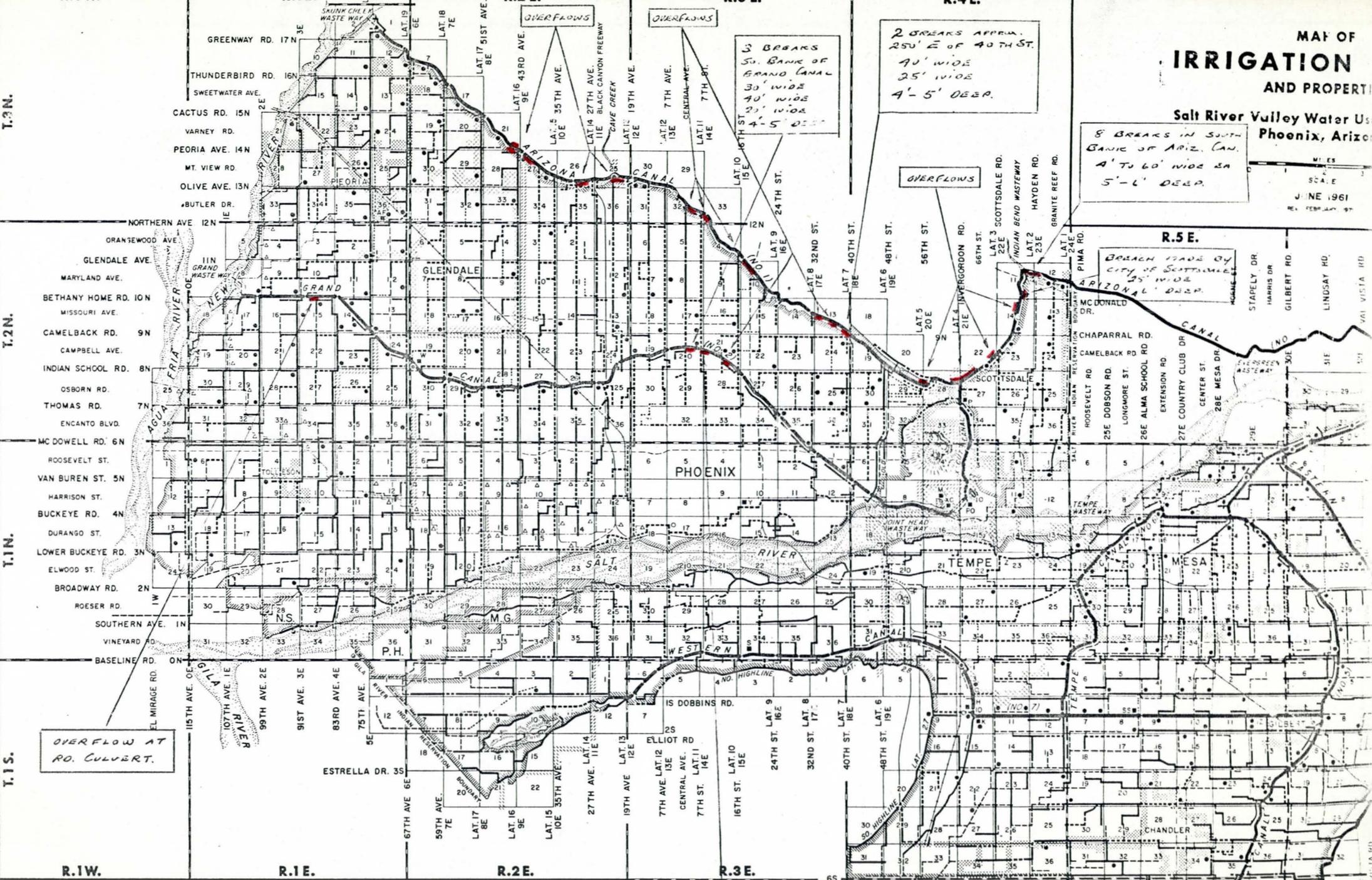
3 BREAKS
S.W. BANK OF
GRAND CANAL
30' WIDE
20' WIDE
2'-5' DEEP

8 BREAKS IN SOUTH
BANK OF ARIZ. CAN.
4' TO 60' WIDE SA
5'-6' DEEP.

BOREACH MADE BY
CITY OF SOUTHWEST
ARIZONA 1958
25' WIDE

3 BREAKS - SW BANK
OF GRAND CANAL
30' WIDE - 20' WIDE AND
10' WIDE - 3 1/2' TO 4' DEEP

OVERFLOW AT
RD. CULVERT.



LEGEND

- | | | | | |
|---|---|--|---|---|
| CANALS AND CANAL STRS.
LATERALS
PIPED LATERALS
WASTE AND PUMP DITCHES
PIPED WASTE AND PUMP DITCHES
R.I.D. CANALS | <ul style="list-style-type: none"> WELLS W.U.A. IRRIGATION WELLS W.U.A. CONTRACT WELLS W.U.A. BOOSTER PUMPS R.I.D. WELLS | <ul style="list-style-type: none"> STEAM PLANTS KYRENE CROSS CUT AGUA FRIA | <ul style="list-style-type: none"> 2 1/2 E 1 1/2 S 20 1/4 E 4 1/2 N 5 1/4 E 12 N | <ul style="list-style-type: none"> K ■ XO ■ AF ■ |
|---|---|--|---|---|

SALT RIVER PROJECT

P.O. BOX 1980
PHOENIX, ARIZONA 85001



August 4, 1972

TELEPHONE 273-5900

Mr. Lee Ohsiek
Maricopa County Flood Control District
3325 West Durango Street
Phoenix AZ 85009



Dear Mr. Ohsiek:

file
Re: Canal Breaks - Storm of June 22, 1972.

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Mr. Lee Ohsiek
Canal Breaks, Storm of June 22, 1972
August 4, 1972
Page 2.

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If we can be of further service on this subject, please let me know.

Very truly yours,



D. L. Weesner
General Superintendent
Water Construction & Maintenance

Attachment

cc: S. Friar
H. Shipley
R. Teeples

R.1.W.

R.1.E.

R.2.E.

R.3.E.

R.4.E.

MAP OF IRRIGATION SYSTEM AND PROPERTIES

Salt River Valley Water Users' Association Phoenix, Arizona

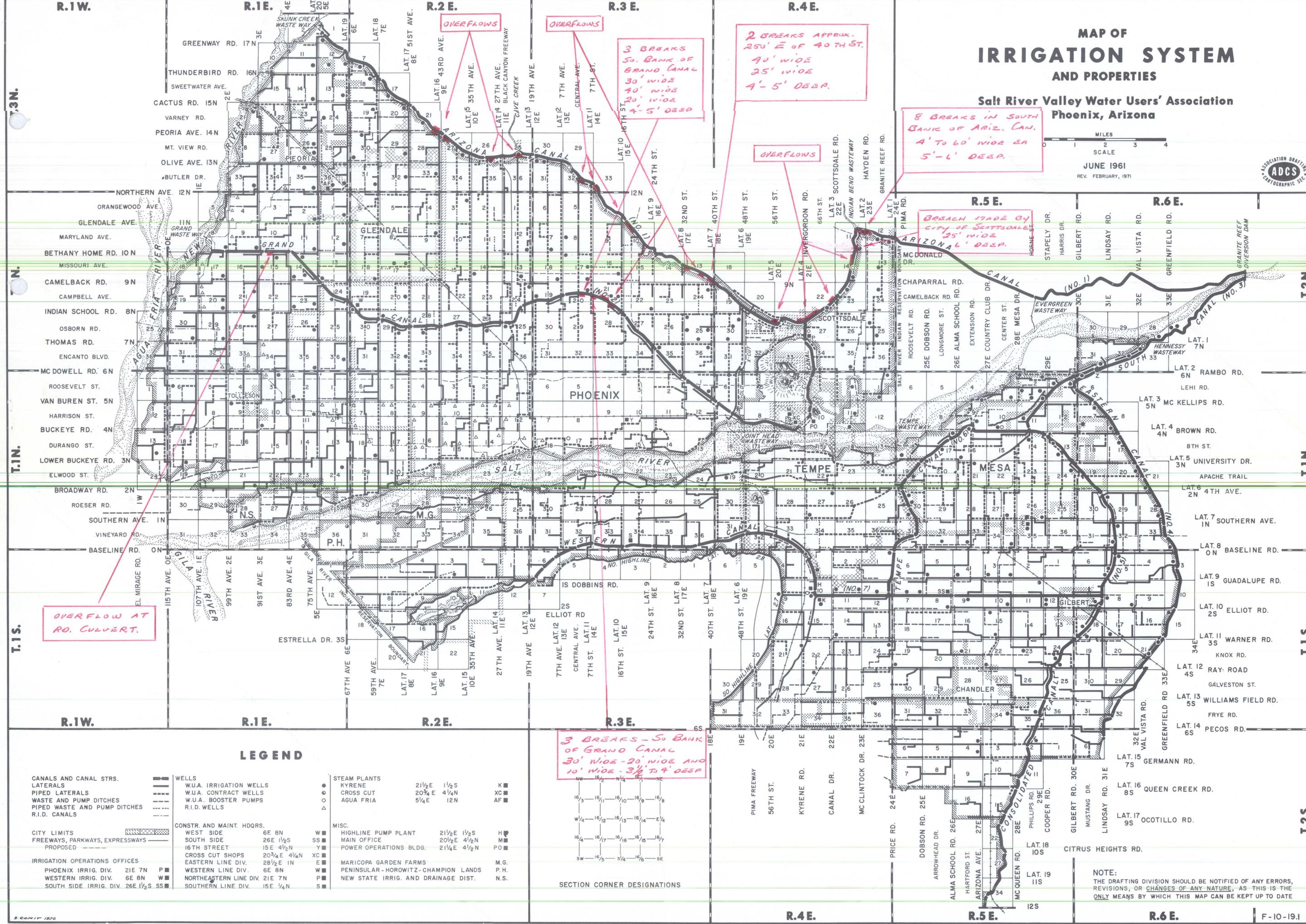
JUNE 1961

REV. FEBRUARY, 1971



T.3.N.
T.2.N.
T.1.N.
T.1.S.
T.2.S.

T.3.N.
T.2.N.
T.1.N.
T.1.S.
T.2.S.



OVERFLOWS
3 BREAKS
SO. BANK OF GRAND CANAL
30' WIDE
40' WIDE
20' WIDE
4'-5' DEEP

2 BREAKS APPROX.
250' E OF 40TH ST.
40' WIDE
25' WIDE
4'-5' DEEP.

8 BREAKS IN SOUTH
BANK OF ARIZ. CAN.
4' TO 60' WIDE EA
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BREACH MADE BY
CITY OF SCOTTSDALE
35' WIDE
ARIZONA'S DEEP.

OVERFLOW AT
RD. CULVERT.

3 BREAKS - SO BANK
OF GRAND CANAL
30' WIDE - 20' WIDE AND
10' WIDE - 3 1/2' TO 4' DEEP

LEGEND

- CANALS AND CANAL STRS.
- LATERALS
- PIPED LATERALS
- WASTE AND PUMP DITCHES
- PIPED WASTE AND PUMP DITCHES
- R.I.D. CANALS
- CITY LIMITS
- FREEWAYS, PARKWAYS, EXPRESSWAYS
- PROPOSED
- IRRIGATION OPERATIONS OFFICES
- PHOENIX IRRIG. DIV. 21E 7N P
- WESTERN IRRIG. DIV. 6E 8N W
- SOUTH SIDE IRRIG. DIV. 26E 1 1/2 S SS

- WELLS
- W.U.A. IRRIGATION WELLS
- W.U.A. CONTRACT WELLS
- W.U.A. BOOSTER PUMPS
- R.I.D. WELLS
- CONSTR. AND MAINT. HQRS.
- WEST SIDE 6E 8N W
- SOUTH SIDE 26E 1 1/2 S SS
- 16TH STREET 15E 4 1/2 N Y
- CROSS CUT SHOPS 20 3/4 E 4 1/4 N XC
- EASTERN LINE DIV. 28 1/2 E IN E
- WESTERN LINE DIV. 6E 8N W
- NORTHEASTERN LINE DIV. 21E 7N P
- SOUTHERN LINE DIV. 15E 1 1/4 N S

- STEAM PLANTS
- KYRENE 21 1/2 E 1 1/2 S K
- CROSS CUT 20 3/4 E 4 1/4 N XC
- AGUA FRIA 5 1/4 E 12N AF
- MISC.
- HIGHLINE PUMP PLANT 21 1/2 E 1 1/2 S H
- MAIN OFFICE 20 1/2 E 4 1/2 N M
- POWER OPERATIONS BLDG. 21 1/4 E 4 1/2 N PO
- MARICOPA GARDEN FARMS M.G.
- PENINSULAR - HOROWITZ - CHAMPION LANDS P.H.
- NEW STATE IRRIG. AND DRAINAGE DIST. N.S.

SECTION CORNER DESIGNATIONS

NOTE:
THE DRAFTING DIVISION SHOULD BE NOTIFIED OF ANY ERRORS,
REVISIONS, OR CHANGES OF ANY NATURE, AS THIS IS THE
ONLY MEANS BY WHICH THIS MAP CAN BE KEPT UP TO DATE

August 2, 1972

Mayor Bud Tims
City of Scottsdale
3939 Civic City Plaza
Scottsdale, Arizona

Dear Mayor Tims,

This is our fourth summer in our home at 8402 E. Cactus Wren Road...our home has flooded two times in those four years. A neighbor who has lived in this area for six summers, tells me that she has seen this lot flood four out of the six summers that she has resided here. Each time our house floods, we have the same amounts of water---approximately fourteen inches at the front of the house and about ten inches at the rear of the house. We were concerned about the canal when we purchased the home from Mr. Von Dix, the builder, and at that time we consulted with City Engineers (1969) and were informed that there were absolutely no reasons for concern about water problems because of the proximity of the canal. Copies from the city of Mr. Dix's permits to build reveal no provisions. Who is to blame? Where rests the responsibility? Is it the Harbert's problem because they were so foolish to have faith in the builder and in the City of Scottsdale?

The flood waters, after inundating our home, flow to the west and then reverse themselves and flow to the east. A neighbor who was within one inch of being flooded, watched with binoculars and saw the water flowing over the top of the canal. Three houses along Cactus Wren Road get approximately the same amounts of water as we. The flood waters have damaged our property in two summers..in 1970 and again in 1972, in the amount of approximately \$4,000.00 each time. We had built a retainer wall around the rear of the house after consulting wity City Engineers as to what we could do, and have recently built another retainer wall around the back of our property to protect the kitchen area and pool area...I had made thirty-five sand bags (they said it couldn't be done) and successfully sandbagged the front, but after the water stood some three hours, it finally seeped in a little in the front, which did little damage, as most of the damage came in the back. Next time, I will barricade the front twice (once at the gate), am now the proud owner of seventy-five sand bags, plus the aforementioned second retainer wall...what else can I do? In 1970 City Engineers, Salt River Representatives, eto., brought me storm reports, newspaper weather clippings, and nearly convinced me that this was a 50 to 200 year flood. Now I know that this is not true...I know that we need protection...there was no house here to worry about before 1969...I know that each time there is a flood in the Scottsdale area, that we are target number one... while everyone else waits for the canal banks hopefully to not break,

it doesn't matter to us...we sit on the north side of the canal and pray that the canal does break to save us, while the people sit on the south side and pray that it doesn't break, so that they will not flood...the water around our property will recede in about 12 minutes, once the canal breaks on the south side.

Recently, the Scottsdale Progress carried an article about the people in the Shea area being fearful that they would be soon bankrupt due to the floods...our property should be saleable for between \$70,000.00 to \$80,000.00...what is our property worth until we are sure our flooding problem is solved?

After counselling and supporting city fathers, working with Salt River representatives, making our own sand bags, building \$1,000.00 worth of retainer walls, purchasing flood insurance and lots of prayers...what now? We can do no more to help ourselves...but only have faith that the problem will be solved with everyone's full support. Is it the squeaky wheel that gets the grease? Are we too small in numbers of homes to be counted? The Corps of Engineers interviewed us personally and we appreciate their interest and efforts...they thanked us for taking the time to show them the damage and we thanked them for caring enough about our problem to come and see.

It seems to me that we are becoming more and more, a City dividing itself...each area that gets hit screams...me, I, mine... and that we cannot stand against our flooding problems...divided. Surely, we will flood and flood some more...a different area each time(except us, and we'll be included as long as the canal is too full) until the whole City has become flooded, so that each resident will say...me, I, mine....only then will we unite and do some---or everything...to stop our flood problems?

We are not ^{rebel} rebel rousing, but we are attending flood meetings, have sponsored a flood bond issue coffee in our home with Dick Campana, our whole family has been on tap to help with the Better Citizen's Committee to work toward the last bond issue--- which was voted down...if we can do more to help you to help ourselves and everyone else, please let us know and please, please, don't forget about us when you make flood control plans of any and every kind.

Thank you.

Sincerely,

Mr. and Mrs. Russell D. and
Lois M. Harbert, Jr.
8402 E. Cactus Wren Road
Scottsdale, Arizona
85253

CC: Dick Campana
Dale Carter
Marc Stragier

CC: Herb Drinkwater
Jack Brown
Col. John Lowry

July 31, 1972

J. R. Sanderson Companies
1919 North Scottsdale Road
Scottsdale, Arizona 85257

Attention Mr. J. R. Sanderson, President

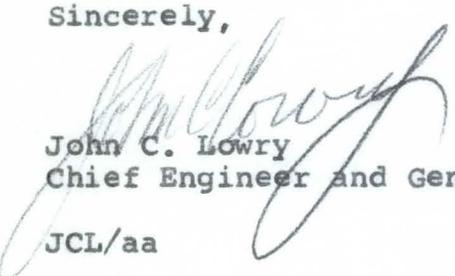
Gentlemen:

This acknowledges receipt of your letter of July 27, 1972. On June 22 the Flood Control District had Landis Aerial Survey Company of Phoenix take pictures of floodwaters flowing down Indian Bend Wash through Phoenix, the Town of Paradise Valley, Scottsdale, and Tempe, to the Salt River. These aerial surveys were purchased by this office and are available for examination in this office. Mr. Jerry Landis, who took the pictures, and the owner of the negatives, I am sure will be glad to provide you with such copies as you might need.

A map showing possible flood areas from the Arizona Canal south down the Salt River through Scottsdale and Tempe were prepared by the U. S. Army Corps of Engineers. A copy of this study is in the hands of the Engineers office of the City of Scottsdale. They may be able to reproduce a copy for you. A copy on file in this office is not reproducible, and this office is not in a position to reproduce it.

The Corps of Engineers following a request by the Flood Control District prepared a Flood Plain Information Study for Upper Indian Bend Wash. This study runs approximately from the intersection of 32nd Street and Greenway Road in a southeasterly direction until it crosses Indian Bend Road just north of the Arizona Canal. At the time this report was received copies were made available to the City of Scottsdale, mortgage companies, real estate organizations and to the press. This office has one copy left as a file copy and the Corps of Engineers advised this report, which was made June 1964, is now out of print. This office will be glad to let you examine this report in this office.

Sincerely,



John C. Lowry
Chief Engineer and General Manager

JCL/aa

**J. R.
SANDERSON
COMPANIES**

SYNDICATION—CONSTRUCTION
REAL ESTATE—DEVELOPMENT

1919 NORTH SCOTTSDALE ROAD 945-6307 SCOTTSDALE, ARIZONA 85257



INVESTMENT CONSULTANTS
SELECTIVE ARIZONA PROPERTIES

July 27, 1972

Maricopa County Flood Control Office
3325 West Durango
Phoenix, Arizona

Dear Sirs:

We understand you have maps showing the possible flood areas of the Indian Bend Wash through Scottsdale, and other areas to the North of Scottsdale.

We would greatly appreciate having copies of the maps showing the above described areas if they are available for distribution.

Sincerely,
J. R. SANDERSON CONST. & RLTY. CO., INC.


J. R. Sanderson, President

JRS:ej



Flood Control District
of
Maricopa County

3325 WEST DURANGO STREET
PHOENIX, ARIZONA 85009

June 30, 1972

MEMO TO: J. J. Peattie, Deputy County Manager
FROM: John C. Lowry, Chief Engineer & General Manager
SUBJECT: Summary of Storm of June 21 & 22, 1972

Early Warning

The State Weather Bureau Office near Sky Harbor Airport notified Col. Lowry of the Flood Control District at about 4:30 P.M., June 21, of a storm that was expected to hit Maricopa County at about 7:00 P.M. Heavy rainstorms accompanied by hail and high winds were expected to hit the extreme eastern part of the County and tornado funnels had been observed south of Sacaton and Queen Creek. The storm was moving from the southwest to the northeast. The funnel clouds south of Queen Creek was expected to hit near Apache Junction, who were notified of this. It is believed the Queen Creek funnel cloud was the one that hit Paradise Valley and the Sacaton one hit Eloy.

Action Taken

Upon receipt of this warning it was transmitted to County Agencies. The Sheriff's Office had been alerted, as well as Civil Defense. This office called the County Manager's Office and the Highway Department was advised by the undersigned. Flood Control cars were gassed and checked and taken home by the staff members involved.

The Traffic Engineering Section of the Highway Department and all other involved personnel were put on standby. The radio-phone was manned constantly. When the rain came, vehicles with barricades were dispatched to all reported points of danger.

On the evening of June 21, heavy rains started at about 6:30 P.M. Barricading of flooded roads and intersections started. One of the first problems was the intersection of Tatum and Shea Blvds. This information was phoned to the undersigned by Mr. J. J. Peattie, Acting County Manager. This intersection was barricaded at 7:00 P.M. 6/21/72.

During the night the rain stopped. At 4:30 A.M., June 22, 1972, the undersigned started a tour of inspection. At that hour no water was running in Indian Bend Wash in Scottsdale. Floodwater was running across Scottsdale Road at the home of Guy Stillman. Damage had occurred on the McCormick Ranch Golf Course and water was flowing across the Camelback Inn Golf Course.

A car was on its side in a large wash north of Shea Blvd. just east of the Scottsdale Country Club and some debris was on Shea

Blvd., but no water except in washes. West of Scottsdale Road on Shea Blvd. major damage by the tornado was seen. Shea Blvd. had no water on it and the road had been cleared of fallen power poles by A.P.S., who apparently were out with numerous crews as was the Telephone Company.

Tatum Blvd. was barricaded north of Shea Blvd., as Indian Bend Wash had washed out the road. Shea Blvd. was open and Tatum open to the south. This was at 6:00 A.M.

Constant communication was kept with the County Highway Department, shortly after 6:00 A.M., 6/22/72 an additional rainstorm occurred, more intense and of longer duration than the evening before. Very little wind accompanied this storm. The rain was so heavy visibility was almost zero. The Highway Dept's command post was contacted and it was recommended the intersection of Shea and Tatum Blvds. again be closed. A pickup truck went off the road on Tatum with two men but there were no injuries. Just as the undersigned passed Butler Drive, a loud noise was heard. A landslide had occurred from the west closing Tatum Blvd. north of Lincoln Drive. Power failures had shut down all traffic signals in the area. Shortly thereafter, other roads such as Tatum south of Lincoln Dr., McDonald Dr., 44th St., and Stanford Dr. were closed at dip crossings. This was true of all dip crossings in the area. Lincoln Dr. was closed by fallen power poles.

Releases

The Salt River Project started releasing water from the Arizona Canal into Indian Bend Wash at 9:15 A.M., June 22, 1972. Other minor releases had been made from the Arizona and Grand Canals throughout the night. The greatest releases were reported by the SRP at 4:15 P.M.: Granite Reef 7,000 cfs, Indian Bend 4,500 cfs, Evergreen 2,500 cfs, Jointhead (from Grand Canal) 300 cfs, Hennasey 750 cfs, Tempe Wasteway 500 cfs, Skunk Creek 250 cfs-- Totaling 15,750 cfs.

Photos

Photos throughout the daylight on June 22, 1972 were taken by Lee Ohsiek and Barry Nauseda as they inspected damaged areas. Aerial photos were taken by Landis Aerial Photography of Indian Bend Wash, Arizona Canal and tornado damage areas.

Damages

No damage occurred to Flood Control Installations.

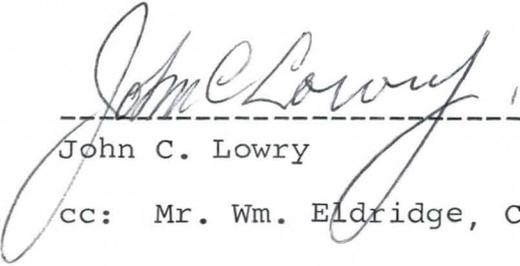
In Indian Bend Wash encroachment within the flood plain was largely responsible for this damage, now estimated by the City of Scottsdale as being approximately \$17,500,000.

The Corps of Engineers has a damage team in the area and will leave during week of July 3. Report will be prepared and distributed.

Page 3, Memo to J. J. Peattie, Storm June 21 & 22, 1972

Flow in Indian Bend Wash south of Arizona Canal

It was estimated by the staff of the Flood Control District the peak flow was between 8,000 and 11,000 cfs. On June 29, 1972 the U.S.G.S. advised this office the peak flow was estimated at between 8,000 and 10,000 cfs. In a telephone conversation with Mr. Don Womack, Asst. Chief Engr., SRP, Mr. Womack concurred in these estimates.



John C. Lowry

cc: Mr. Wm. Eldridge, Civil Defense

Maricopa County Information
Contact: Clyde Murray
Phone: 2623271
June 23, 1972

#72-75

The Maricopa County Board of Supervisors today roundly praised the thousands of county workers who remained on extended emergency service throughout Wednesday night and Thursday to assist local communities in flood relief rescue service, traffic control, and emergency road work.

Chairman Bob Stark paid great tribute to county employees; he particularly singled out the Maricopa County sheriff's deputies, highway department field crews, and the Civil Defense and Emergency Services department for their prompt response to the flood disaster in safeguarding life and protecting, wherever practicable, both public and private property. Not one death was reported directly attributable to the severe winds and flooding which hit the Valley.

J. J. Peattie, acting county manager, announced that the Board of Supervisors has authorized the payment of overtime to all non-administrative hourly and skilled workers who remained on their jobs, despite personal fears for the safety of their own families.

Supervisor B. W. "Barney" Burns highly commended many public and private agencies who similarly worked around-the-clock in safeguarding life and property, including the field crews of the Salt River Project, Arizona Public Service, and Mountain Bell who persevered to alleviate the floods aftermath. Burns also commended the municipal police forces who despite all obstacles maintained law and order.

Supervisor Henry H. Haws gave accolades to the many private citizens who voluntarily helped in the directing of traffic and the rescue of families trapped in flooded areas. He also commended the voluntary services of the many Sheriff's possemen who assisted Sheriff John Mummert in preserving law and order.

"It's a great tribute to our local law enforcement and emergency service agencies that no flood fatalities occurred in the northeast quadrant of Maricopa County," Burns said.

Flood Control

OFFICE OF THE COUNTY MANAGER

MARICOPA COUNTY BOARD OF SUPERVISORS

604 County Administration Bldg. 111 S. 3rd Ave., Phoenix, Arizona 85003

HENRY H. HAWS
District 1

B. W. "BARNEY" BURNS
District 2

BOB STARK
District 3



MEMO TO ALL ELECTED OFFICIALS AND DEPARTMENT DIRECTORS:

EMERGENCY DIRECTIVE #5 8:30 P.M.

June 22, 1972

*Recd
2/00 June 22*

1. Latest Weather Forecast:

No storm in the immediate vicinity of metropolitan Phoenix or within sixty(60) mile radius. Light to moderate winds and scattered showers forecast for tonight with thirty percent(30%) probability. Heavier storms forecast for northeast and southeastern sectors of Arizona.

2. Controlled Release of Emergency Services Personnel.

In consideration of the above forecast and upon the recommendation of the Director of Civil Defense and Emergency Services, Department Directors are authorized to release at 9:00P.M. this evening, on a controlled basis (subject to recall by department in event of further overnight emergencies) the majority of their emergency service personnel. Further, Department Directors controlling emergency service personnel may, at their discretion, authorize county vehicles to be taken home for possible recall for further emergency service.

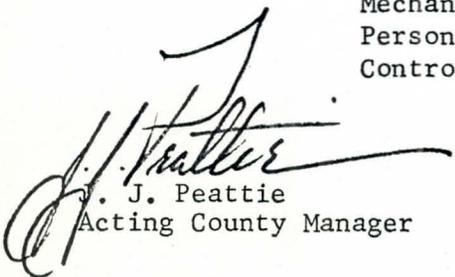
3. Continued Manning of Principal Departmental Telephone & Radio Base Stations.

Emergency service departments are instructed to maintain, at the Department Director's discretion, a limited emergency service staff to provide coverage of the principal departmental telephone and radio base station in the event the need arises to recall emergency service personnel.

4. Civil Defense and Emergency Service Department.

The Civil Defense Director and staff will continue to maintain an all-night vigil and give early notice to the following county departments any threat requiring the recall of their emergency service personnel:

Civil Defense
Parks and Recreation
Flood Control
Mechanical Equipment
Personnel
Controller and Purchasing


J. J. Peattie
Acting County Manager



Flood Control District
of
Maricopa County

3325 WEST DURANGO STREET
PHOENIX, ARIZONA 85009

June 22, 1972

Called in by SRP 7:30 AM. 6/22/72

Releases

Skunk Creek at 6:30 A.M. 125cfs
Evergreen at 6:45 A.M. 250cfs
Jointhead at 7:15 A.M. 100cfs

Reminder to called Tatum, C of +E

Called Brudage 3687

Ariz Canal

*1500 ^{Highly} inches 8:00 A.M.
From all drains in Canal.*

See 8:30

Arizona Canal overflowing both side

7th St. North of Canal

7th Ave Spilling up evidently working.

8:40 Arizona @ 34th St. Broke.

Flood Control

OFFICE OF THE COUNTY MANAGER



MARICOPA COUNTY BOARD OF SUPERVISORS
604 County Administration Bldg. 111 S. 3rd Ave., Phoenix, Arizona 85003

HENRY H. HAWS
District 1

B. W. "BARNEY" BURNS
District 2

BOB STARK
District 3

MEMO TO ALL ELECTED OFFICIALS AND DEPARTMENT DIRECTORS:

JUNE 22, 1972

10:10 A.M.

1. Suspend administrative and routine operations and prepare male staffs for emergency services wherever practicable.
2. Emergency departments, i.e., Civil Defense, MCSO, Highway, Mechanical Equipment, Flood Control, are alerted for emergency standby service.
3. Serious flooding is reported in upper Paradise Valley. General flooding exists at 9:45 A.M. this date in the general northeast sector, including Phoenix, Paradise Valley and Scottsdale.
4. Board of Supervisors has authorized the early release of female personnel providing an emergency crew remains to operate each County office. Caution should be exercised not to release female personnel to areas already inundated or covered, in the northeast sector of Maricopa County.
5. The National Weather Service forecast at 10:00 A.M. is for heavy thunder-showers, high winds and flash flooding in the entire eastern sector of the State of Arizona, with storm moving northerly through Phoenix Metropolitan area between 10:30 A.M. to 2:00 P.M.
6. No male personnel should be released from emergency service until the "all-clear" signal is issued by this office.
7. Strongly urge all County vehicles to be topped off and readied for emergency service.

Your cooperation in complying with this directive is urgently needed and has been authorized by the Maricopa County Board of Supervisors as an emergency directive.

J. J. Peattie
 J. J. Peattie
 Acting County Manager
 enc.



Latest flood conditions are reported by MCSO as east of Black Canyon Freeway and north of East Camelback. Do not release female personnel to homes in that area as it will compound traffic flow.

Flood Control

OFFICE OF THE COUNTY MANAGER



MARICOPA COUNTY BOARD OF SUPERVISORS

604 County Administration Bldg. 111 S. 3rd Ave., Phoenix, Arizona 85003

HENRY H. HAWS
District 1

B. W. "BARNEY" BURNS
District 2

BOB STARK
District 3

MEMO TO ALL ELECTED OFFICIALS AND DEPARTMENT DIRECTORS:

EMERGENCY DIRECTIVE #4

4:30 P.M.

June 22, 1972

1. Latest weather forecast received from the Phoenix Weather Bureau at 4:30 P.M.:

Central Arizona mountains. Numerous thundershowers early tonight with local heavy rainfall, decreasing showers late tonight. Scattered thundershowers again Friday mainly east portion. Mostly fair Friday night and Saturday except widely scattered afternoon thundershowers east portion Saturday. A little warmer afternoons west portion. Overnight lows 45 to 60. Highs both days 70s mountains, 80s and low 90s valleys.

2. Extended hours of service - County service stations: The Maricopa County Mechanical Equipment Department will continue to operate the following County service stations continuously until the emergency is declared terminated:

- Durango Annex
34th Avenue and West Durango

- Downtown Service Station
North 1st Avenue & West Jackson Street

- Parks Department Maintenance Yard
4701 East Washington

- East Regional Service Center
Germann Road & State Highway #87

3. Emergency procurement and financing: All departments alerted for emergency service are further advised that the Maricopa County Purchasing Department and Controller's Office will continue to be staffed throughout the present emergency to assist in the emergency procurement of food, fuel, supplies and other emergency equipment. Emergency telephone numbers for these departments remain as listed in the current County telephone directory.

John J. Peattie
 J. J. Peattie
 Acting County Manager

Flood Control

OFFICE OF THE COUNTY MANAGER



MARICOPA COUNTY BOARD OF SUPERVISORS

604 County Administration Bldg. 111 S. 3rd Ave., Phoenix, Arizona 85003

HENRY H. HAWS
District 1

B. W. "BARNEY" BURNS
District 2

BOB STARK
District 3

MEMO TO ALL ELECTED OFFICIALS AND DEPARTMENT DIRECTORS:

EMERGENCY DIRECTIVE #3

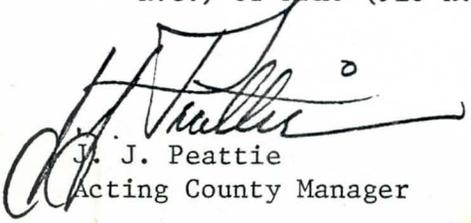
1:30 P.M.

June 22, 1972

1. Local weather forecasts indicate concern for afternoon storms over SRP Watershed which may further contribute to additional flooding in the Phoenix metropolitan area. Maricopa County Sheriff's Communication Division reports a cloud mass in vicinity of Apache Junction, Arizona moving southwesterly.
2. Attached for your information are recent bulletins indicating continued severe thunderstorms and possible damaging winds in south central Arizona late this afternoon up to 7:00 P.M. tonight.
3. Based upon these fragmentary weather forecasts, the following County departments are to remain on an emergency standby basis for any assignment to assist in flood relief, area evacuation where floods threaten and any additional assistance as may be required by Civil Defense and County Sheriff's Office:

Civil Defense
 Highway
 Parks and Recreation
 Flood Control
 Mechanical Equipment
 Buildings & Grounds
 Personnel
 Controller & Purchasing

4. Elected officials and administrative departments are authorized to release male personnel to their homes under a controlled release -- repeat: controlled release, i.e., all such personnel released are subject to recall by their respective department directors or elected officials as emergency conditions may require.
5. Recommend that all addressees continue to monitor either Station KOOL (960 k.c.) or KPHO (910 k.c.) to keep abreast of the latest storm warnings.


 J. J. Peattie
 Acting County Manager

mle

530A

2021 APB ARIZONA AZ00799 JUNE 22 1972
ALL ARIZONA STATIONS

BULLETIN FROM WEATHER BUREAU

BULLETIN
SEVERE THUNDERSTORM WATCH NUMBER 301
ISSUED 225 PM CDT JUNE 22 1972
THE NATIONAL WEATHER SERVICE HAS ISSUED A SEVERE THUNDERSTORM
WATCH FOR

MOST OF SOUTHERN NEVADA
EXTREME SOUTHWESTERN CORNER OF UTAH
A PORTION OF SOUTHEASTERN CALIFORNIA AND
MOST OF WESTERN ARIZONA

THE THREAT OF A FEW SEVERE THUNDERSTORMS WITH LARGE HAIL AND
DAMAGING WINDS WILL EXIST IN THESE AREAS FROM TWO PM MST

UNTIL SEVEN PM MST THIS THURSDAY AFTERNOON

THE GREATEST THREAT OF SEVERE THUNDERSTORMS IS IN AN AREA ALONG
AND SEVENTY MILES EITHER SIDE OF A LINE FROM NINETY MILES
NORTH OF LAS VEGAS NEVADA TO FIFTY MILES EAST OF YUMA ARIZONA
IN ARIZONA THIS AREA WOULD INCLUDE YUMA MOHAVE AND MARICOPA
COUNTY

PERSONS IN OR CLOSE TO THE SEVERE THUNDERSTORM WATCH AREA ARE
ADVISED TO BE ON THE WATCH FOR LOCAL WEATHER DEVELOPMENTS AND
FOR LATER STATEMENTS AND WARNINGS

/MAGOR 1930ZRX PHOENIX WEATHER BUREAU/
ARIZONA DEPARTMENT OF PUBLIC SAFETY PHOENIX AZ00799 1245 MST MJW

23 6-22-72

\$305 OF PUBLIC SAFETY PHOENIX, ARIZONA

DEPT OF PUBLIC SAFETY AND ALL NEWS SERVICES

REQUEST THAT ALL SPECTATORS PLEASE STAG OUT OF THE AREA OF
7 AVE AND CAMPBELL.

/SGT HICKS RADIO

POLICE DEPT PHOENIX, ARIZONA ML 1303 MST

2023 APB ARIZONA AZ00799 JUNE 22 1972
ALL ARIZONA STATIONS

BULLETIN

SEVERE THUNDERSTORM WATCH NUMBER 302
ISSUED 235PM CDT JUNE 22 1972

THE NATIONAL WEATHER SERVICE HAS ISSUED A SEVERE THUNDERSTORM
WATCH FOR....

PORTIONS OF SOUTHER ARIZONA

THE THREAT OF A FEW SEVERE THUNDERSTORMS WITH LARGE HAIL AND
DAMAGING WINDS WILL EXIST IN THESE AREAS FROM 2 PM MST

UNTIL 7 PM MST THIS THURSDAY AFTERNOON

THE GREATEST THREAT OF SEVERE THUNDERSTORMS IS IN AN AREA ALONG
AND SIXTY MILES EITHER SIDE OF A LINE FROM THIRTY MILES SOUTH
OF GILA BEND ARIZONA TO SIXTY MILES NORTH OF DOUGLAS ARIZONA
THIS SEVERE THUNDERSTORM WATCH COVERS PIMA SANTA CURZ GRAHAM
AND PINAL COUNTIES

PERSONS IN OR CLOSE TO THE SEVERE THUNDERSTORM WATCH AREA ARE
ADVISED TO BE ON THE WATCH FOR LOCAL WEATHER DEVELOPMENTS AND
FOR LATER STATEMENTS AND WARNINGS

/MAGOR 1938 Z RK WEATHER BUREAU/

ARIZONA DEPARTMENT OF PUBLIC SAFETY PHOENIX AZ00799 1254 MST MJW

UUUU
2022 APB ARIZONA AZ00799 JUNE 22 1972
ALL ARIZONA STATIONS

PHOENIX WEATHER CONDITIONS

US 80 INTO PHOENIX OPEN AND CLEAR

US 60 INTO PHOENIX EAST AND WEST OPEN DID HAVE HEAVY RAIN IS
PASSABLE

I17 INTO PHOENIX OPEN AND PASSABLE DID HAVE RAIN STARTING TO CLEAR

I10 INTO PHOENIX CLEAR

SALT RIVER PROJECT STATES ALL THE DAMS ON THEIR SYSTEM HOLDING UP
OKAY 2 CANALS OVERFLOWING AS FOLLOWS

ARIZONA CANALS IS OVERFLOWING FROM MCDONALD WEST TO 43 STREET

THE GRAND CANAL IS OVERFLOWING FROM 7 STREET TO 99 AVENUE

FOLLOWING STREETS CLOSED

28 STREET SOUTH OF CAMELBACK TO INDIAN SCHOOL
19 AVENUE AT THE FREEWAY
VAN BUREN AT THE FREEWAY
32 STREET AND GEORGIA
52 STREET AT SHEA
7 STREET AND BELL
48 STREET AT THE SALT RIVER CROSSING
7 STREET AT JEFFERSON SOUTHBOUND
CENTRAL AVENUE UNDERPASS
32 STREET AND CACTUS
7 AVENUE TO 15 AVENUE ON CAMELBACK AND INDIAN SCHOOL WHOLE AREA
IS FLOODED
7 AVENUE AND CAMPBELL

ARIZONA DEPARTMENT OF PUBLIC SAFETY PHOENIX AZ00799 1324 MST MJW

Flood Control

OFFICE OF THE COUNTY MANAGER



MARICOPA COUNTY BOARD OF SUPERVISORS
604 County Administration Bldg. 111 S. 3rd Ave., Phoenix, Arizona 85003

HENRY H. HAWS
District 1

B. W. "BARNEY" BURNS
District 2

BOB STARK
District 3

MEMO TO ALL ELECTED OFFICIALS AND DEPARTMENT DIRECTORS:

EMERGENCY DIRECTIVE #2 11:30 A.M.

June 22, 1972

1. Health Services Director, Dr. Stanley F. Farnsworth, is cautioning the public in inundated areas to take precautions to boil domestic line water to insure potability before drinking. These warnings will be broadcast and disseminated via local news media by noon today.
2. Arrangements have been made for the feeding of emergency County forces at the Maricopa County General Hospital cafeteria commencing at 6:00 P.M. and they will remain open and serve meals until the emergency service is cancelled by the undersigned.
3. Heavy flooding north of Union Hills Drive between north 40th and 48th Streets is rooftop high and evacuation is now being attempted through Luke Air Force Base helicopters and County Sheriff's detail.
4. No change in prior weather forecast as of 11:30 A.M.
5. Rumors of a breach in the Cave Creek Dam have been determined to be erroneous and the flood control basin there is intact and continuing to protect the north Phoenix area.


J. J. Peattie
Acting County Manager
mle

Flood Report

Greg Melikian 4966 E. Rockridge Rd.
Phoenix, Arizona 85018.

McNulty - Co High

Corsten

Harbold

2-Civil Defense E. Dandy - Bluhm.

THIS FOLDER CONTAINS NEWSPAPER ARTICLES

REGARDING FLOOD CONTROL

THROUGHOUT THE VALLEY

FROM JULY 19, 1972 - DECEMBER 21, 1972

August Bids For First Phoenix Flood Dam

The Los Angeles District, U.S. Corps of Engineers, expects to advertise for bids in August for construction of Dreamy Draw Dam in northeast Phoenix. Site of the structure is just east of 16th St. and south of Northern Ave. in the North Phoenix Mountains.

The project will be the first in a series to protect the metropolitan area from flood damage. The next structure probably will be Cave Buttes Dam south of the existing Cave Creek Dam on the west side of Paradise Valley.

Future construction involves diversion channels such as the Union Hills and Arizona Canal, both running westerly to the planned Agua Fria/New River Channel, which will run south into the Salt River.

The east-west channels will handle drainage water from the Dreamy Draw and Cave Buttes

Dams; also other natural runoff from the north. The Arizona Canal Channel will parallel the present canal itself on the north side.

These projects have been proposed by the Corps of Engineers for some time, and locally the Maricopa Flood Control District, for which Col. John Lowry is the engineer, was established some years ago.

But county residents rejected at least one bond election to implement the plans of the district and therefore those of the Engineers. Without the needed financing, the flood projects have been delayed.

The Corps of Engineers has also announced that studies are under way to reformulate the Indian Bend Wash in Scottsdale. The improvement work was authorized by Congress through the Flood

Control Act of 1965, when plans called for a trapezoidal concrete-lined channel about 7 miles long, extending from the Arizona Canal south to the Salt River.

The current studies will consider alternatives to the concrete design, including a greenbelt channel. The latter approach is already being used by some developers of large condominiums and apartments north and south of Camelback Rd.

Scottsdale officials state that flood control bonds were rejected there too in the past.

It appears that a normal aversion to increased property taxes has held up flood projects whose need was demonstrated during the unprecedented rain in June—the driest month of the year according to Weather Bureau records. July and August are the months for thunderstorms and flooding. □

Phase I of Buckeye watershed to be bid

The Soil Conservation Service expects to advertise for bids in the fall for Phase I of the Buckeye Watershed Project. Plans have been sent to the Regional Technical Service Center in Portland for clearance.

The work will consist of a flood retarding structure involving one million cu. yds. of earthfill between Turner Rd. and the Hassayampa River on the north side of I-10.

MARICOPA COUNTY INFORMATION OFFICE
ROOM 604
111 SOUTH THIRD AVENUE
PHOENIX, ARIZONA 85003

GAZETTE 7/19/72 P. 10-A
**Supervisors Won't Raise
4-Cent Flood Control Tax**

Maricopa County supervisors have indicated they would not raise the 4-cent flood control tax this year as suggested by the Phoenix City Council.

Supervisors' Chairman J. Robert Stark ruled out any increase, noting the 1972-73

budget already has been tentatively adopted.

The Phoenix City Council had informally sought a hike after hearing Fred Glending, deputy city manager for operations, explain a "desperate shortage" of flood control facilities for the city.

GAZETTE 7-17-72
**Group Seeks
Flood Control
Coordination**

The Mohave Citizens Association Inc., one of such organizations which came into being since last month's floods, will host a meeting of similar association today to coordinate their efforts to get flood-control works.

Mrs. Caroll Giglio of 8620 E. Jackrabbit, Scottsdale, said the meeting will be at 7:30 p.m. in the Mohave School cafeteria.

County Supervisor Bernard W. Burns and someone from the county flood control district will be present, she said.

At the meeting, she said, an attempt will be made to coordinate and consolidate all information bearing on the flooding and to unify efforts to get flood controls from the county and any other agency in the flood-control field.

MARICOPA COUNTY INFORMATION OFFICE
ROOM 604
111 SOUTH THIRD AVENUE
PHOENIX, ARIZONA 85003

PHX 7-24-72

Flood Plan For Wash Due Discussion Tonight

Gazette Scottsdale Bureau

SCOTTSDALE — Plans for financing a flood control program in Indian Bend Wash will be discussed tonight at an informal meeting of the Scottsdale City Council, officials said today.

At least \$7 million will be needed for acquisition of property in the flood area of the wash.

Two possibilities of raising finances, according to Paul L. Davis, assistant city manager, are a flood control tax on

property owners or a city cigarette and liquor tax.

Davis said it is hoped the U.S. Army Corps Engineers and County Flood Control Department will participate in the program to control floods in the wash, which traverses the City of Scottsdale north to south, emptying into the Salt River just east of Tempe.

Davis said the meeting will be held 8 p.m. at a conference room in City Hall and is open to the public.

Scottsdale 7-25-72

Fountain Hills flood control plan advances

The first of a series of flood control dams in the Fountain Hills flood control program has been completed, it was disclosed recently by William M. Fisher, project manager.

Hal Marron, project engineer for McCulloch Properties, Inc., developer of Fountain Hills, said construction of a second dam is in progress and two more are scheduled to be completed by the end of the year.

Marron said the dams — there will be seven of them in the 12,000 acre planned community development — are intended to retard water and not to store it.

"The dams slow the water flow to about one-tenth its normal rate," he said. "This is accomplished by having the water flow through 60 inch pipes which are built through the dams."

He said the pipes are never closed. Thus, anytime enough rain falls to produce a stream in the main drainage channels, the water continues through the dam.

"The reduction of the water flow might be compared with the drainage in a bath tub," Marron said. "The drain will handle all the water until the input exceeds the draining capacity. Then the water creeps up the side of the tub, but the outflow remains steady."

"If the amount of water coming into the tub continues to exceed the drainage capacity, it eventually will overflow. The same thing would happen at the dam, except we have built a spillway that will carry the water around the dam and into the natural channel."

He said it would take a 100-year storm before the spillway would come into use.

The same thunderstorms that lashed the Scottsdale and Phoenix areas last June 21 and 22 produced drenching rains over the McDowell Mountains and much of the water drained through Fountain Hills on an eastward course to the Verde River.

This provided the first test for the dam and it worked, Marron said. He added that some concrete work remains to be done on the spillway.

The drainage channels in the project will be part of the green belt and are intended to be maintained in a natural condition. Planting will be done in order to minimize erosion.

Marron said McCulloch Properties has budgeted \$550,000 for the flood control work this year and the total cost of the system will run around \$2 million.

The work is being carried out in phases to protect the areas where development has and is taking place, he said.

Flood Insurance Program Fails To Meet With Much Success

RICHMOND (AP)—The National Flood Insurance Program hasn't met with much success in Virginia. The same is true nationwide.

Why don't community leaders and officials want to comply with the Department of Housing and Urban Development's regulations so that homes and nonresidential structures could be covered for damage caused by flooding?

The answer is simple. Local officials feel that the strict zoning ordinances that would have to be put into effect in the flood plain area would restrict economic

growth there. And in many localities this is where many of the industrial plants are located or would want to locate.

Chesapeake participated in the flood insurance program at one time. It is one of only three communities nationwide that quit the program.

D.S. Curling, city manager, said there were two main reasons for the action:

Staying in the program would force industries to flood proof their buildings, which would send construction costs up, and only 14 policies were sold while the city was in the program.

The mayor of Cleveland in

Russell County says the reason his town was dropped from the program by HUD was the lack of action by town officials when the application deadline came and the necessary ordinances had not been passed.

James P. Cook, who wasn't mayor at that time, said "most of the elected officials in 1970 lived on high ground and they didn't see the benefit" of the program.

"I'm a low-ground man and I plan to ask the council...to get back into the program," he said.

The flood insurance program is not a giveaway, al-

though the rates are low. After tropical storm Agnes caused an estimated \$300 million damage in Virginia, HUD reduced the rates on flood insurance by about 40 per cent.

Now a homeowner whose single family residence is valued at \$17,500 or less can buy protection on the structure for 25 cents per year per \$100 value. Under the same conditions, it would cost him 35 cents per \$100 to protect the contents.

The homeowner whose residence is valued at more than \$35,000 can buy the same protection for 35 and 45 cents.

For nonresidential struc-

tures the price goes up slightly.

New or substantially improved construction in an area likely to be flooded once every 100 years is eligible for insurance at actuarial rates, which are higher. Those rates have been established by HUD after special studies have been conducted and the community has been admitted to the regular flood insurance program.

The designers of the flood insurance program had a goal in mind when the act was passed in 1968—to get everyone out of the flood plain.

The program prohibits the

building of new structures or facilities in the flood plain, unless they are floodproof. And that is expensive.

The federal government hopes that the threat of another disastrous flood like the one spawned by Agnes will force flood plain property owners to move out. That threat is having an effect on the town of Scottsville, located in a sharp bend of the James River.

Some merchants who suffered at the hands of Camille and Agnes are thinking about moving to higher ground. There is talk in the town about moving to a shopping

center that may be built about a mile from the heart of this community of about 350 persons.

Mayor Raymond Thacker said if that happens the town probably will join the flood insurance program.

Residents of only 14 of the more than 77 flood-prone localities in the state were eligible for flood insurance coverage at the time of flooding caused by Agnes. Only 621 residents of the 14 localities bought the insurance.

Nationwide, only 1,174 localities were in the program as of June 30.

Besides Chesapeake and the

town of Cleveland, Waynesboro and the town of Haysi were dropped from the program because they failed to comply with the deadline last December.

William B. Fletcher, assistant city manager of Waynesboro, said the city council will consider applying for readmission to the program at its meeting this week.

However, Fletcher was cautious in predicting whether the city wants to get back in the program. He said that the flood plain zoning regulations put a stranglehold on industrial development and that opposition could develop.

FLOOD CONT
HARICOP
3325 W. DUN
PHOENIX, AZ

Greenbelt flood plan

City says Corps to go along

City Manager Dale Carter was optimistic today that city officials will be able to convince the U.S. Corps of Engineers to go along with the city's greenbelt concept of flood control for Indian Bend Wash.

Carter, other city staffers, and corps engineers are slated to meet next week to discuss differences in a series of meetings at city hall.

Carter said he is sure that the city and the corps can mend their differences and that the city will be able to satisfy federal agency officials in plans for developing the project whose construction will cost an estimated \$4.5 million.

"We are willing to provide more channelization in the wash if that is what they want," Carter said. "The job has to be done and we are willing to go along with any reasonable suggestions which may be offered."

U.S. Corps of Engineers representatives said Wednesday they were not sure they could go along with Scottsdale's greenbelt concept.

Carter has ordered his staff to give top priority in development of a comprehensive flood control plan which will be presented for city council approval Monday night.

Public Works Director Marc Stragier and members of the city council will use the plan

in future meetings with civic leaders in Scottsdale and other public agencies in an effort to gain community support for a proposed \$7 million bond issue for flood control projects throughout the city.

Meanwhile the city is continuing negotiations with officials of the Salt River Project on the possibility of that agency cooperating in a project which would provide an 800-foot-long siphon for funneling the Arizona Canal under Indian Bend Wash.

And negotiations are continuing with owners of properties in the wash for the acquisition of rights of way necessary for development of the complete project.

Stragier claims the Indian Bend project has to be completed before storm drains are constructed in other flood-prone areas of the city.

"We have to have a place to dump the water before the storm drainage system can be developed," Stragier said. "I also am sure the corps will go along with our concept."

Carter said he will arrange future meetings with officials of Phoenix, Tempe, and Paradise Valley, in order to co-ordinate efforts so that development of flood protection in one community will not have a diverse effect on residents of another community.

Scottsdale *Daily* Progress

Vol. XII, No. 150

SCOTTSDALE, ARIZONA, THURSDAY, AUGUST 10, 1972

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FLOOD CONTROL DIST. OF

COCONINO COUNTY

JDP 7/25

Bingo suggested in flooding fight by Drinkwater

By JACK KARIE
Progress Staff Writer

The city council last night discussed everything from bingo games to taxing hotel rooms as possible means of raising \$7 million needed to complete \$12.5 million in flood control projects in Scottsdale.

"It's time now that we bite the bullet and find some way of doing the job," said City Councilman Dick Campana.

Campana expressed the feeling of other council members who agreed they would have to get community support to pass any type of bond issue at this time.

City Manager Dale Carter was asked to prepare an analysis on two types of bond issue proposals one of which will be presented to voters soon.

Mayor Bud Tims asked Carter to prepare a proposal outlining the feasibility of presenting a \$7 million bond issue in one package and one of \$3½ million with the stipulation that the city spend an additional \$700,000 each year as the program progresses over a five-year period.

It was City Councilman Herb Drinkwater who suggested bingo games as a means of raising revenue.

"I'm serious," he said. "That's one way of keeping a lot of people from getting mad at us because we have raised their taxes."

Campana said he favored a one-half per cent fee on all real estate transactions which would raise an estimated \$631,000 a year. City Public Works Director Marc Stragier had estimated it would take a minimum of \$500,000 to complete the flood control projects on a pay-as-you-go basis.

"This type of tax would make a lot of brokers unhappy," Campana said. "But some of those oxes have to be gored if we expect to make any progress at all."

"Is there any way we can get this thing (bond issue) going before we all get recalled?" Drinkwater asked as he suggested a one-half cent boost in the city sales tax

which would bring \$1.5 million into city coffers annually.

Mayor Bud Tims voiced pessimism about the possibilities of having to raise the city property tax to \$1.53 per \$100 valuation from "People can't stand any more property taxes," Campana said.

Councilman Hienz Hink proposed that the council ask that if taxpayers approve a boost in the sales tax that resulting funds be earmarked for flood control projects only.

Councilman Paul Messinger suggested that the city propose that the taxes be spread over several areas including sales taxes, real estate transfer fees, property taxes, and taxes on cigarettes and liquor, to raise necessary funds.

"That will make a lot of people mad at us," Drinkwater said. "You can find an argument against any type of taxes because people don't like to be taxed."

About 25 persons showed up at City Hall after attending a flood control meeting at Cocopah School.

One of those was Guy Stillman who said that the boost in the sales tax would be the best method of raising the funds inasmuch as more than a third of such taxes were supplied by visitors to the city.

Carter estimated that it would take at least 10 years to complete flood control projects here inasmuch as the city had to await actions of the county Flood Control District, the U.S. Corps of Engineers, the Salt River Project, and other agencies, including Central Arizona Project, expected to provide funds for the overall project.

Tims asked Carter to arrange meetings with Chamber of Commerce officials, members of the Brookings Institution Seminar, home owners groups, and civic leaders, in attempts to learn what backing city officials would have in presenting the bond issue to taxpayers for a vote.

Carter said the meetings would be arranged today and be held over the next several weeks.

Complaints, unity urged in flood control efforts

SDP
7-25

By DENNIS CARROLL
Progress Staff Writer

About 200 residents and property owners in the Cocopah Elementary School area were told last night unless they begin squawking loudly and often nothing would be done to alleviate their flood control problems.

At a meeting at the school, former Democratic National Committeeman Guy Stillman, himself a victim of the June 21 storm, and James Mitchell, a candidate for the Maricopa County Board of Supervisors, urged residents to unite in some form of flood control district while at the same time putting pressure on subdivision developers and the state Real Estate Commission.

"Somebody ought to blow the whistle on those guys," Stillman said. He contended that the State Real Estate Commission is negligent by approving subdivision plats whose site plan and proposed

buildings interfere with the natural flow of flood waters.

"The Real Estate Commission rubber stamps every development plan in the area," Stillman charged. "They never look at the flood problem."

Forrestt Pettycrew of the State real estate department, told a Progress reporter this morning, however, that the commission has no say in how subdivisions are laid out or what provisions are made for water flow.

"When we get the plans," he said, "the subdivision plat has already been recorded. It's up to the county and city engineering departments to make sure the developer provides for proper drainage."

Pettycrew said the commission only makes sure that the property title is in order and that the developer states in what form he intends to sell the property.

At last night's meeting Mitchell urged the residents to form a local flood control

district to assure that funds were spent to alleviate their particular drainage problem.

"We will never get a comprehensive county-wide flood control plan in our lifetime," Mitchell said. "The county is too large and too diverse. Not enough people are affected (by floods) at one time."

He added, however that to have a workable local flood control district, residents must be able and willing to tax themselves.

Mitchell said that such a district would be able to bring pressure upon developers who whose subdivisions divert flood waters to other areas.

During the meeting residents were urged to attend a flood control planning meeting to be held Aug. 1 at Saguaro High School.

Randy Scoville of the Jack Brown Task Force on Flood Control, said officials from cities and other government agencies from throughout the county would be at the meeting to answer questions.

THE ARIZONA REPUBLIC

Page 6

Phoenix, Sunday, June 25, 1972

Where The Spirit Of The Lord Is, There is Liberty—II Corinthians 3:17

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EUGENE C. PULLIAM, Publisher

What about a 100-year flood?

When Gov. Jack Williams was mayor of Phoenix 15 years ago, he was most concerned that unless the city adopted a sound flood control program it would one day be swept away by a gigantic flood that, history shows, can be expected once in 100 years.

But despite several close calls with bad weather and flooding, Valley citizens to date have shown great reluctance to heed that sound advice.

In fact, a comprehensive \$112 million county-wide flood control program devised as the result of five years of planning by the U.S. Army Corps of Engineers and the subject of a bond issue election in March 1966 was defeated by voters, who balked at the prospect of paying their share of \$22 million for a program that many thought would never do them any good.

That flood control plan was all-encompassing, embracing some 38 separate dikes, dams, conduits, levees, seepage pits, and so on. They were all needed, and still are, to prevent the recurring damage of floods, such as those which hit Valley communities in 1970 and again last week.

But the flood control plan was primarily devised to afford protection from the 100-year flood that, as Rapid City, S.D., residents can tell you, does untold millions of dollars in damage. It was the kind of plan that Governor Williams had in mind in the mid-1950s to prevent once-in-a-lifetime floods from sweeping away all homes in Phoenix and surrounding communities.

Despite the flooding and proper-

ty damage in some areas of the county last week, it is still doubtful that residents throughout the county would approve an expensive, all-encompassing project of this kind. It was this fact that prompted the state legislature, with the advice and assistance of Maricopa County Flood Control District chief engineer Col. John Lowry, to pass legislation allowing communities to establish their own zones within the district for the purpose of flood control.

Cities like Scottsdale that, because of last week's storm, might now feel an urgent need to prevent future flooding, can petition the county board of supervisors to establish a zone with specific boundaries. After the zone is established, the people of that community would then, with the assistance of county flood control officials, plan their own flood control measures and raise funds for that project alone.

The Arizona law is patterned after one that has worked well in California. San Bernardino County, with 20,000 square miles the largest in the nation, is now divided into six flood control zones, each responsible for devising and financing its own flood control programs.

No community in Arizona has yet taken advantage of this new zoning law. But following last week's experience in northeast Phoenix, Scottsdale, and Paradise Valley, as well as other parts of the county, many communities would be wise to take steps now to prevent similar flood damage in the future.

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Answer Line

Several weeks ago, in the flood aftermath, I saw a news story that indicated the availability of flood water flow maps at the Maricopa County Flood Control office, 3325 W. Durango. I drove out there only to be told that they have no such maps. Since I reside in the 32nd Street-Shea Blvd. vicinity I would sure like to know where I can get information of some kind on the flood history of the area. Can you point me in the right direction? T. S., Phoenix.

You've been there. While the county flood control office may not have a wide variety of maps for public distribution, it is the depository of the greatest collection of local flood information which personnel is not adverse to passing along to those who ask.

Among the chief askers, believe it or not, are subdivision engineers; which is not to say that the information obtained is always put to the best use.

Relatively quick answers can be given from basic maps on hand that include: 1) the 1963 flood pattern when Glendale and Maryvale were inundated 2) the overflow pattern of the Salt River in December 1965 and January 1966.

Seven flood plain studies are also on file, covering Wickenburg, Hassyampa River, Skunk Creek, New River, Agua Fria River, Indian Bend Wash and Cave Creek, according to officials.

Any individual is welcome to plumb the depths of the flood control office expertise in relation to his property and its flood potential.

PAGE 32



The Phoenix Gazette Answer Line

(Concluded from Page 31)

For subdividers, office personnel will undertake to develop specific information on a proposed development, relating the subdivision plat to known flood patterns and making recommendations for protective drainage . . . or running up a flag of warning if the flood potential is too great.

But the role is strictly advisory. The county flood control office has no power of enforcement.

Without major flood control projects, the first line of defense lies with the planning and zoning agency to which a developer must apply for building permits and by the standards of which he must build. These government bodies and the flood control office do not always see eye to eye.

Prospective home buyers would do well to make the flood control center one of their first ports of call prior to contract signing . . . wouldn't they?

PHX Gazette
7-25-72

Flood Dam Bid Opening Set Aug. 10

Bids on construction of Dreamy Draw Dam will be opened Aug. 10.

The dam, officially designated a detention basin, will provide stormwater protection for a large area of northeast Phoenix, said Fred Glendening, deputy city manager for operations.

It will be built in Dreamy Draw, just south of Shea Boulevard and one mile east of 16th Street, on property owned by the City of Phoenix and the U.S. Bureau of Land Management.

"The dam will protect property lying along Dreamy Draw from the dam site to the Arizona Canal, as well as many homes south of the canal," Glendening explained. "Much of this property was flooded on June 22, as well as in the past."

The dam will be sponsored by the Maricopa County Flood Control District, and constructed and maintained by the U.S. Corps of Engineers.

It will be extensively landscaped with native desert growth, which will be maintained by the City of Phoenix Parks Department.

Estimated cost of the project will be \$500,000, said Glendening. The main embankment will be a compacted - earthfill structure. The crest of the dam will have a length of 480 feet.

PHX 7-25-72

'Task Force' To Report On Flooding

A special Task Force on Flood Control will meet next Tuthday at 7:30 p.m. in the Saguaro High School cafeteria, announced Jack E. Brown, a Democratic candidate in the 4th Congressional District race.

At his headquarters opening recently, at 4115 N. Seventh Ave., Brown said he formed the special force in order to find a better way to control floods.

"The Task Force is an example of the direction I will take toward making government work in the public interest," he said to about 100 supporters at the opening.

Members of Brown's volunteer flood research group are: Roslyn Moore, Ben Esch, Martin Galbut, Chester Lockwood, Milton Schroeder, Randy Scoville and Sandee Massetto. The team has surveyed the flood problems and will recommend solutions at the meeting. Brown also hopes to "mobilize the public opinion necessary" to collect enough money to fund a flood control program here.

Chandler

7-26-72

Flood Control Projects Aired Here Tuesday

Approximately 58 persons were registered at a meeting held Tuesday morning in the basement classroom of the Chandler Police Department for a discussion on flood control in Eastern Maricopa County and Western Pinal County. The projects under discussion were proposed by the East Maricopa Natural Resource Conservation District (EMNRCD).

Among those present were representatives of EMNRCD, Gila River Indian Community Reservation, Roosevelt Water Conservation District, Chandler Soil Conservation Service, River Basin-Watershed Planning staff, and Arizona Highway Department.

Walter White, chairman for East Maricopa NRCD, took charge of the meeting and introduced the speakers.

Projects discussed included: Protection of Apache Junction, Gilbert, East Mesa and the Gila River Indian Reservation by construction of seven proposed floodwater regulating structures and a floodway parallel to the RWCD canal to divert floodwaters into the Gila River;

—Protection of the Central
(See Flood Control Page 6)

Highway report on Queen Creek Bridges; Lee Obsiek from the Maricopa Flood Control District, who reported on the progress on Rights-of-way Procurement, and Governor Alexander Lewis, representing the Gila River Indian Reservation community, who went into a discussion of the need of flood control for the advancement of the Gila community and other related problems.

Flood Control

Plan Discussed

Mesa 7-26-72

CHANDLER (AP)—The U.S. Soil Conservation Service has unveiled plans for a \$17.4 million flood control program along the eastern side of the Roosevelt Water Conservation District Canal.

Spokesmen said Tuesday the floodway is designed to run 25

miles south from Brown Road in Mesa to the Gila River.

It would protect east Mesa, Apache Junction, Gilbert and the Gila River Indian Reservation, according to the spokesman.

But during Tuesday's meeting, the Arizona Highway Department expressed reluctance to participate, and conservationists warned that it might harm the environment.

Dennie Burns, leader of the service's river basin staff, said his agency has received federal grants totaling \$9 million to \$10 million for the program. Local funds amounting to some \$7.4 million have yet to be committed, he said.

William Price, state engineer, said he could not recommend Arizona Highway Commission approval of funding to help in the project unless he was assured that it would not fizzle during the actual work stages.

"If we had some assurance that this thing was going to go all the way, I would recommend that we go ahead," Price said.

Price said he would meet with the Highway Commission Aug. 11 to consider the matter.

Mesa 7-26-72

Flood Meet Absence Hit

Lack of attendance by the board of supervisors member from this area at a discussion of flood control problems of the east valley area at Chandler Tuesday has drawn criticism from Fred J. Herber, a candidate for the Republican nomination for the supervisor post.

Herber said that attendees included area residents, county flood district personnel, state and federal agency representatives, and representatives from the Gila Indian Reservation, but no one from the county supervisors, nor from the county planning and zoning office, was on hand.

"The meeting was meaningless due to the fact that no one in authority regarding funding, planning, and other details from the county supervisor level was present," Herber said in a statement in regard to the matter. "The key man would be the county supervisor from District 1."

He said that Walter White, who served as chairman for the meeting, told him an invitation had been extended to Henry Haws, District 1 supervisor.

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Mesa 7-26-72

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-Flood Control

(Continued from Page 1)

Arizona Project (CAP) canal, which will benefit from control of the floodwaters;

—The needed construction of two additional Arizona Highway Bridges to make possible the construction of the proposed control system.

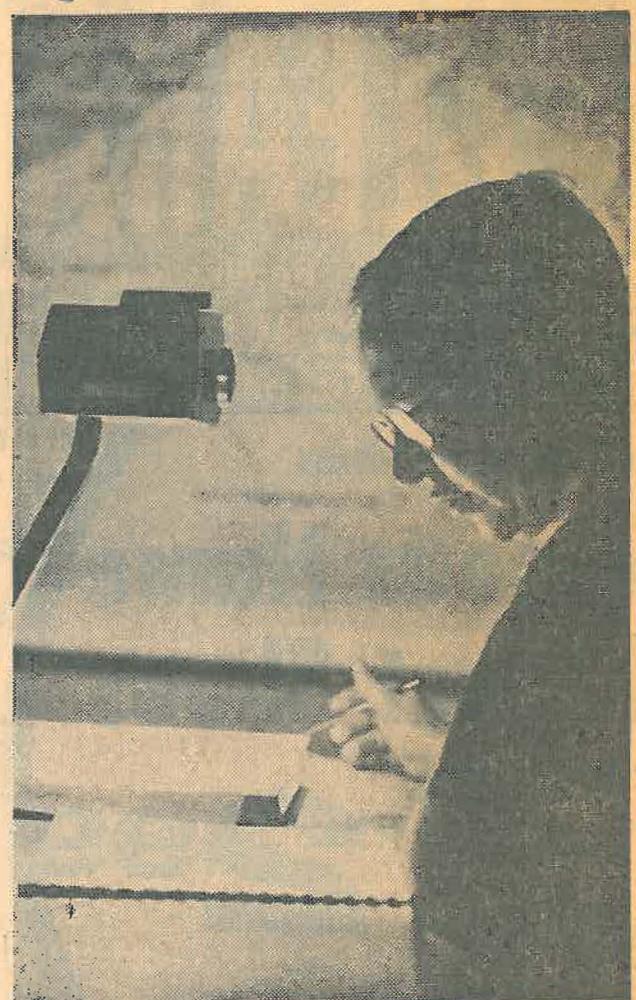
White introduced Dennie Burns of the Soil Conservation Service, who gave a presentation of hydrological data; Clifford Pugh of the Bureau of Reclamation, who reviewed the Central Arizona Project.

Also on the program were William H. Price of the Arizona Highway Department who gave a state Highway report on Queen Creek Bridges; Lee Obsiek from the Maricopa Flood Control District, who reported on the progress on Rights-of-way Procurement, and Governor Alexander Lewis, representing the Gila River Indian Reservation community, who went into a discussion of the need of flood control for the advancement of the Gila community and other related problems.

7/26 Gazette



Governor Albert Lewis of Gila River Indian Reservation makes point during public meeting.



Dennie Burns, staff leader of River Basin and Watershed Planning Staff, Soil Conservation Service, sit at projector and points at map.

Agencies Take Varying Positions On Floodway

By ANTHONY SOMMER

Two agencies whose support is considered critical to the construction of a floodway in eastern Maricopa County took varying positions at a public meeting of groups concerned with the project.

The Maricopa County Flood Control Project said it has asked for funds to begin work

study of the proposed floodway, Lewis pointed out that flood damage in the past few years has amounted to \$500,000 on the reservation. He said thousands of acres of allotted and tribal lands are inundated annually, including agricultural lands, irrigation canals, residential homes, commercial property and roads and highways.

ed before project construction is begun.

The results of a Soil Conservation Service study on the project were released at the meeting by Burns. Major conclusions were:

● "Land use changes are having a tremendous effect on runoff resulting from storms in this area. The trend is toward increasing urbaniza-

● "Systematic development of this area should start with a land utilization plan that includes flood control and a flood outlet system. Such a plan should include the Buckhorn - Mesa Watershed Project dams outletting into the Salt River and a floodway along the east side of the RWCD Canal to convey water falling below the dams

Appalachian Trail to ration hiking

By DONALD JANSON
New York Times Service

PLYMOUTH, N.H. — Rationing has come to the Appalachian Trail in its 50th year.

For half a century hikers had taken to the 2,000-mile wilderness footpath, longest continuously marked trail in the world, without the red tape of registration, permits, reservations and fees.

But in June the privilege ended on the most popular parts of the trail, which snakes over wind-swept mountains and wooded streams from Maine to Georgia.

Expanding population and leisure time have combined to put so many urban dwellers on the trail that its most accessible sections have become overcrowded. And where that is not a problem, expanding commercial development often is.

In the great Smoky Mountains National Park, permits must now be obtained to camp on the trail. The limit is one night at a campsite. Citations have been issued to violators. Fines have been assessed by federal magistrates.

On Mount Moosilauke in New Hampshire, Dartmouth College has closed its section of the trail to camping.

Jefferson National Forest of Virginia and the White Mountains National Forest in New Hampshire have posted new rules at the trailheads: Camping limited to listed capacity; camping only at sites provided.

Till June anyone with a yearning to trade soot and pavement and city heat for bluebirds and whippoorwills and crest-line panoramas could tramp the trail and camp at will at or near 238 shelters on the path through 14 states, eight

Continued on Page K-3

More about

Woman designer plans communities

Continued from Page K-1

One aspect of working for Flatow Moore Bryan and Fairburn Inc. that she enjoys especially is the opportunity to design planned communities. She finds this more creative than working on whole cities and feels such communities lead to a good way of life. She says that the concept of cluster development has been practiced in Europe for hundreds of years because its nations have had to cope with population crush much longer than the United States has.

Mrs. Szmorlinski is proud of her latest project, a cluster neighborhood plan for low-income families for a location west of Phoenix. She plops the final proposal on her drawing

planned communities here I've learned a lot about golf, but I'm not playing yet," she says.

She particularly enjoys the opportunity she has had here to experiment, try something new. In Poland she comments, "We worked for the government on elaborate projects which often were not built as planned or even not built at all." Even so, here, she finds that in spite of the opportunity to try something new, the final project often involves compromising with the client, with the approving municipal committees, with government regulations.

She apologizes for her English, explaining she learned it after she arrived in this country.

The Szmorlinskis have one more month to

The wash that starred in Scottsdale's flood

Continued from Page K-1

The Indian Bend Wash has been a Scottsdale topic far more often than its naturally nondescript appearance would warrant. A shallow ditch, generally mesquite-choked, the wash runs a mile wide in some places.

It collects runoff waters from Mummy and McDowell Mountains, Camelback and the north side of Phoenix Mountains—runs them through Scottsdale in a route paralleling Hayden Road. The wash, and its occasional waters, end up in the Salt River near Tempe.

It's one of the several water routes which were included in Maricopa County's flood-control plan, estimated to have cost taxpayers \$115 million, and rejected by the voters in 1966. The desert washes have flowed unchecked for centuries, and only recently has property damage along them become an issue.

Much simplified, the wash problem is this. The

routes of the washes are well known to longtime landowners. Land in these areas is cheap, and tempting to builders. Homebuyers here—where Maricopa County grew by 65,000 newcomers last year—innocently move into the wash areas.

Then they're involved in rainfall roulette. It might be a year, or 12, or 25 later that some downpour settles on their area, leaving them sodden and wiser about the ways of men and deserts.

Taxpayers, here and elsewhere, tend to vote down public efforts to bail real estate investors out by flood control. They can exercise individual flood control by simply building on higher land.

One of our major builders, Continental Homes, has just seen the value of doing that. Continental's president Gem Pennington recounts what happened to Continental's new Villas East, on flood day.

"We were just three days away from our opening," he says. "Then we were calling it off." Villa East, located beside a Salt River Project irrigation

lateral, is using its irrigation waters for a lake in the Indian Bend Wash. And its 159 townhouses are built on high land, created in part by earth dug out of the lake.

One-quarter filled by the flood time, the new lake lost one bank and must be rebuilt. (Pennington feels that flood waters would have simply passed over a full lake.) But every one of the new-built houses escaped damage.

The role of irrigation water in adding to the Valley's flood damage is as yet unassessed. But the place where Salt River's Arizona Canal crosses Indian Bend Wash was visibly a focal spot, during the flood.

Long before Scottsdale grew north to Indian Bend Road, Salt River Project canalbuilders came on the problem of crossing the wash. The canal now makes an angle there, turning south from its westerly route, to keep its water going by gravity.

The canal bank inside the angle is lower than the one outside. Thus some water flooding down the wash is trapped to flow with the canal, while overflow spills into the wash.

David Ellis, whose home lies west of the canal near McDonald Drive, describes the early-morning arrival of the flood crest there, on June 22. East of the big bend, he says, flood waters from the north swept into the canal and breached its banks. About that time, project workers stopped Salt River water from flowing down the canal to the flood area.

Floodgates are in the canal at Indian Bend; and Ellis went with the project workers who opened them.

But, he says, all of the wash's water couldn't get into the fast-flowing canal; some seeped south along the canal's west side. Scottsdale has installed additional gates at the bend, in anticipation of acquiring land in the wash there.

The gates as yet lack operating engines; so public works people attempted to force them open—unsuccessfully.

"The important thing," says public works director Stragier, "is that the Indian Bend Wash Plan does work. Established turf was not damaged, and the flood lines are in the right places. The low-flow channels work, and adjacent houses weren't flooded."

Stragier is saddened that, without the sales tax, Scottsdale can't plan to own the whole wash.

"We'll have to rely on private developers," he says. "But it's going to be a beautiful thing, a swath of green, through a sea of houses, when the Valley's built up."

"It'll be a wonderful legacy for our children and grandchildren, something that could be compared to Golden Gate or Central Park. We'll never achieve it completely, now. But we'll get as close as we can."

New York is revitalizing its streets

By ADA LOUISE HUXTABLE
New York Times Service

NEW YORK — The New York of popular mythology is the ever-changing city — the one they never finish. Traditionally, those changes have been measured by looking at the skyline. Today they are measured best on the ground,

at street level, where new urban patterns are emerging that are in the process of making the city a vastly different place.

New York is becoming a city of elegant open spaces where previously congestion was always the rule; of intricate, planned circulation above and below ground, of large plazas and small parks in midtown and downtown, of midblock passages, malls, gallerias and arcades. It is even a place where, for the first time, you can sit down, when you are looking up.

This New York is being built right now. Some of it is already completed and visible. And it is most striking where the buildings meet the sidewalk — in the life of the street.

This change is particularly dramatic because it reverses what has seemed an irreversible trend, for in recent years, the New York street has been dying. Among some of the striking changes that are revitalizing the city's streets are these:

From 41st to 42nd streets, there is in construction now a through-block passage behind

Graduate Center of the City University of New York.

On the east side of the Avenue of the Americas, from 45th to 46th streets, a new Tishman building will have a large midblock plaza as part of the construction currently in process. There will be a grove of trees and an outdoor cafe. Retail shops are mandated, through city agreements, with entrances from the plaza.

In the past, block after block had been killed by successful development. Each glossy new office building, each healthy investment in the city's economy, had destroyed part of a street or an avenue with its small shops and services.

This kind of street death is not the street crime stressed by the city's chronic critics. It is the attrition of the city's amenity, activity, interest, pleasure and style, as defined by the urban expert.

The tower rose on an empty plaza. It was handsome, but sterile. The lobby was mar-

bled, but vacuous. The developer's gesture to amenity stopped at a fountain or a piece of abstract sculpture.

The inevitable bank, which had probably provided the financing, took the choice corner or all of the ground floor. The newer structures had wrap-around banks, from street to street. Dull by day, these blocks are dead by night.

This deadly formula has not been eliminated, but it is now being successfully modified. The change is being accomplished by an unprecedented — for New York — combination of chic vision and muscle — by law, negotiation, design review and deliberate intent.

The new construction superficially resembles the towers and plazas of the rebuilt parts of the Avenue of the Americas completed in the 1950's and 1960's. The difference is in the attention to the life of the street. The lesson

Continued on Page 4-K

Appalachian Trail to ration hiking

By DONALD JANSON
New York Times Service

PLYMOUTH, N.H. — Rationing has come to the Appalachian Trail in its 50th year.

For half a century hikers had taken to the 2,000-mile wilderness footpath, longest continuously marked trail in the world, without the red tape of registration, permits, reservations and fees.

But in June the privilege ended on the most popular parts of the trail, which snakes over wind-swept mountains and wooded streams from Maine to Georgia.

Expanding population and leisure time have combined to put so many urban dwellers on the trail that its most accessible sections have become overcrowded. And where that is not a problem, expanding commercial development often is.

In the great Smoky Mountains National Park, permits must now be obtained to camp on the trail. The limit is one night at a campsite. Citations have been issued to violators. Fines have been assessed by federal magistrates.

On Mount Moosilauke in New Hampshire, Dartmouth College has closed its section of the trail to camping.

Jefferson National Forest of Virginia and the White Mountains National Forest in New Hampshire have posted new rules at the trailheads: Camping limited to listed capacity; camping only at sites provided.

Till June anyone with a yearning to trade soot and pavement and city heat for bluets and whippoorwills and crest-line panoramas could tramp the trail and camp at will at or near 238 shelters on the path through 14 states, eight

Continued on Page K-3

The wash that starred in Scott

Continued from Page K-1

The Indian Bend Wash has been a Scottsdale topic far more often than its naturally nondescript appearance would warrant. A shallow ditch, generally mesquite-choked, the wash runs a mile wide in some places.

It collects runoff waters from Mummy and McDowell Mountains, Camelback and the north side of Phoenix Mountains—runs them through Scottsdale in a route paralleling Hayden Road. The wash, and its occasional waters, end up in the Salt River near Tempe.

It's one of the several water routes which were included in Maricopa County's flood-control plan, estimated to have cost taxpayers \$115 million, and rejected by the voters in 1966. The desert washes have flowed unchecked for centuries, and only recently has property damage along them become an issue.

Much simplified, the wash problem is this. The

routes of the washes are well known to longtime landowners. Land in these areas is cheap, and tempting to builders. Homebuyers here—where Maricopa County grew by 65,000 newcomers last year—innocently move into the wash areas.

Then they're involved in rainfall roulette. It might be a year, or 12, or 25 later that some downpour settles on their area, leaving them sodden and wiser about the ways of men and deserts.

Taxpayers, here and elsewhere, tend to vote down public efforts to bail real estate investors out by flood control. They can exercise individual flood control by simply building on higher land.

One of our major builders, Continental Homes, has just seen the value of doing that. Continental's president Gem Pennington recounts what happened to Continental's new Villas East, on flood day.

"We were just three days away from our opening," he says. "Then we were calling it off." Villa East, located beside a Salt River Project irrigation

New York is revitalizing its streets

By ADA LOUISE HUXTABLE
New York Times Service

NEW YORK — The New York of popular mythology is the ever-changing city — the one they never finish. Traditionally, those changes have been measured by looking at the skyline. Today they are measured best on the ground,

at street level, where new urban patterns are emerging that are in the process of making the city a vastly different place.

New York is becoming a city of elegant open spaces where previously congestion was always the rule; of intricate, planned circulation above and below ground, of large plazas and small parks in midtown and downtown, of midblock passages, malls, gallerias and arcades. It is even a place where, for the first time, you can sit down, when you are looking up.

This New York is being built right now. Some of it is already completed and visible. And it is most striking where the buildings meet the sidewalk — in the life of the street.

This change is particularly dramatic because it reverses what has seemed an irreversible trend, for in recent years, the New York street has been dying. Among some of the striking changes that are revitalizing the city's streets are these:

From 41st to 42nd streets, there is in construction now a through-block passage behind the New York Telephone Company's latest windowless giant, to provide stores and street life of the type destroyed for the building.

From 42nd to 43rd streets, between Fifth Avenue and the Avenue of the Americas, there has already been built — under private auspices — the through-block mall of the

Graduate Center of the City University of New York.

On the east side of the Avenue of the Americas, from 45th to 46th streets, a new Tishman building will have a large midblock plaza as part of the construction currently in process. There will be a grove of trees and an outdoor cafe. Retail shops are mandated, through city agreements, with entrances from the plaza.

In the past, block after block had been killed by successful development. Each glossy new office building, each healthy investment in the city's economy, had destroyed part of a street or an avenue with its small shops and services.

This kind of street death is not the street crime stressed by the city's chronic critics. It is the attrition of the city's amenity, activity, interest, pleasure and style, as defined by the urban expert.

The tower rose on an empty plaza. It was handsome, but sterile. The lobby was mar-

bled, but vacuous. The developer's gesture to amenity stopped at a fountain or a piece of abstract sculpture.

The inevitable bank, which had probably provided the financing, took the choice corner or all of the ground floor. The newer structures had wrap-around banks, from street to street. Dull by day, these blocks are dead by night.

This deadly formula has not been eliminated, but it is now being successfully modified. The change is being accomplished by an unprecedented — for New York — combination of chic vision and muscle — by law, negotiation, design review and deliberate intent.

The new construction superficially resembles the towers and plazas of the rebuilt parts of the Avenue of the Americas completed in the 1950's and 1960's. The difference is in the attention to the life of the street. The lesson

Continued on Page 4-K

More about

Woman designer plans communities

Continued from Page K-1

One aspect of working for Flatow Moore Bryan and Fairburn Inc. that she enjoys especially is the opportunity to design planned communities. She finds this more creative than working on whole cities and feels such communities lead to a good way of life. She says that the concept of cluster development has been practiced in Europe for hundreds of years because its nations have had to cope with population crush much longer than the United States has.

Mrs. Szmorlinski is proud of her latest project, a cluster neighborhood plan for low-income families for a location west of Phoenix. She plots the final proposal on her drawing table as the customer will see it. Then quickly lays on top the many large sketches she made, hening down her ideas, removing superfluous streets, creating more interesting relationships of neighborhoods to open areas, making it safer for youngsters walking to school, figuring the best location for a neighborhood shopping center.

One difference she finds here is the idea of planning neighborhoods around a golf course. In Poland there are not many golf courses. A quick smile lights her face. "In designing

planned communities here I've learned a lot about golf, but I'm not playing yet," she says.

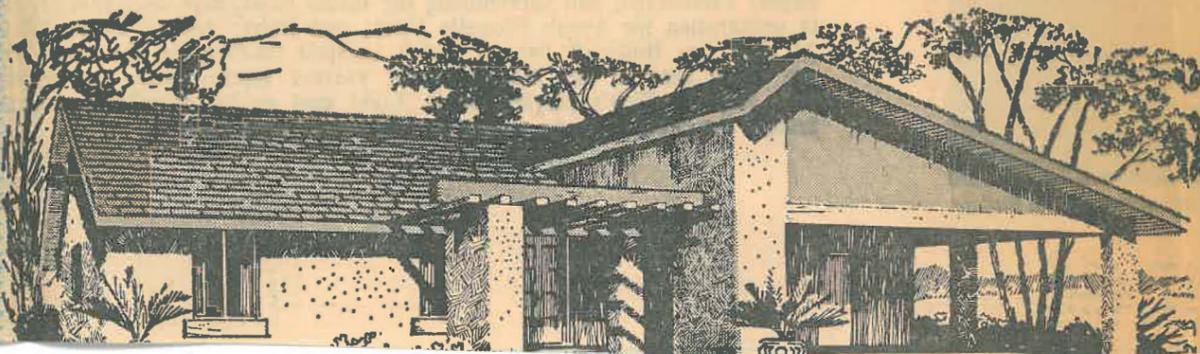
She particularly enjoys the opportunity she has had here to experiment, try something new. In Poland she comments, "We worked for the government on elaborate projects which often were not built as planned or even not built at all." Even so, here, she finds that in spite of the opportunity to try something new, the final project often involves compromising with the client, with the approving municipal committees, with government regulations.

She apologizes for her English, explaining she learned it after she arrived in this country.

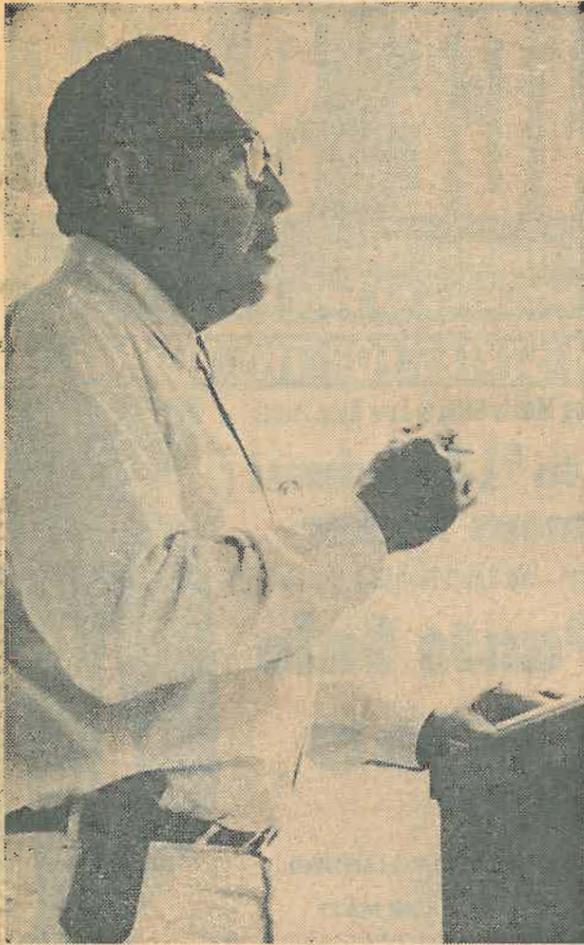
The Szmorlinskis have one more month to wait until they can apply for U.S. citizenship. Mrs. Szmorlinski is delighted at the prospect. Her smile flashes again and she says, "We are anxious to visit Mexico and South America."

She and her husband also look forward to returning to Poland for a visit some day. In the meantime, vacations and weekends are spent camping around Arizona or traveling to Canada to see her parents. And Mexico is next on their list.

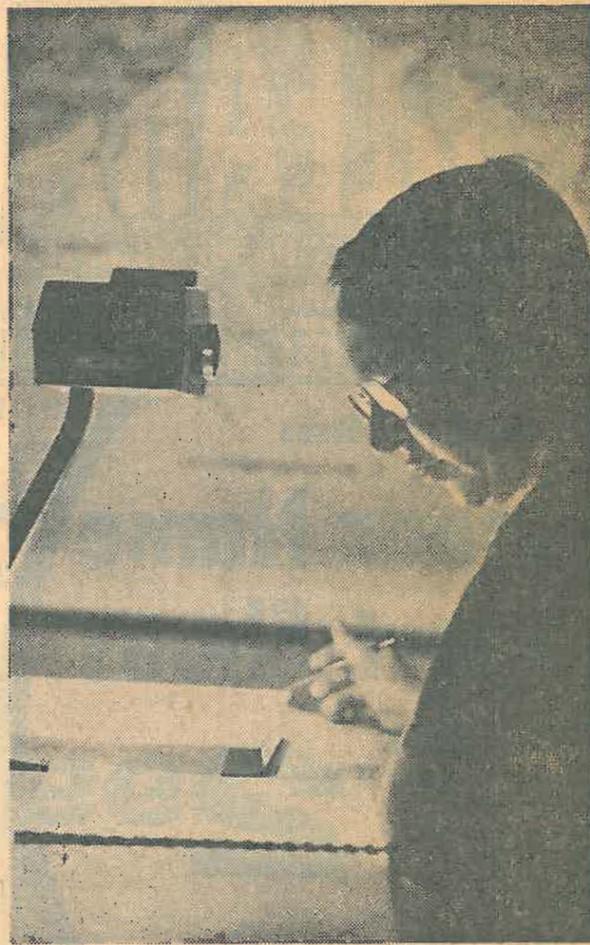
BUILDER'S CLOSEOUT!



GRA OPEN



Gazette Staff Photos
Governor Albert Lewis of Gila River Indian Reservation makes point during public meeting.



Dennie Burns, staff leader of River Basin and Watershed Planning Staff, Soil Conservation Service, sit at projector and points at map.

Agencies Take Varying Positions On Floodway

By ANTHONY SOMMER

Two agencies whose support is considered critical to the construction of a floodway in eastern Maricopa County took varying positions at a public meeting of groups concerned with the project.

The Maricopa County Flood Control Project said it has asked for funds to begin work while the State Highway Department spokesman said it wanted to be assured the floodway would be completed before it offered support.

At a meeting in Chandler yesterday, spokesman for numerous groups presented positions on a 25-mile floodway to run east of the current Roosevelt Water Conservation District (RWCD) canal to protect Apache Junction, Gilbert, East Mesa and the Gila River Indian Reservation from future flooding.

The floodway would run from Brown Road, 1½ miles north of Apache Trail to the Gila River and control 63 per cent of the runoff from watersheds in the eastern part of the county.

ALL WORK on the first segment of the floodway, a seven-mile section from the Gila River north through the reservation, has come to a temporary halt.

The federal grant which covers construction of the floodway does not provide for construction of two highway bridges over the canal. The State Highway Department says they won't be built until they are sure the entire project will be completed.

William H. Price, state highway engineer, said, "The proposed bridges have relatively limited value as far as the highway department is concerned.

"If the entire project is assured, the bridges would be

study of the proposed floodway, Lewis pointed out that flood damage in the past few years has amounted to \$500,000 on the reservation. He said thousands of acres of allotted and tribal lands are inundated annually, including agricultural lands, irrigation canals, residential homes, commercial property and roads and highways.

Several others, including both Indians and representatives of flood control agencies, echoed Lewis' opinion.

Planning for the balance of the floodway off the reservation has been held up for lack of local funding. Dennie Burns, staff leader of the River Basin and Watershed Planning Staff, Soil Conservation Service, said the \$25 million to \$30 million federal grant does not cover right-of-way purchase, bridge construction, and operation and maintenance.

THE LOCAL tab, including \$40,000 for the two bridges, will be \$7.5 million, Burns said.

While bridge construction is holding up progress on the reservation, the remainder of the project could be begun once local funds are approved to purchase the right-of-way.

Lee Ohsiek told the group the Maricopa County Flood Control District has requested the county board of supervisors set aside \$330,000 for the project in a budget request which will be considered next month.

"We realize this is not going to be the whole requirement," Ohsiek said, "but it will allow us to make a beginning with the small amount of funds available to us and we'll do what we can."

"I CAN'T make a prediction what the board of supervisors will do in succeeding years," he said, adding that

ed before project construction began.

The results of a Soil Conservation Service study on the project were released at the meeting by Burns. Major conclusions were:

• "Land use changes are having a tremendous effect on runoff resulting from storms in this area. The trend is toward increasing urbanization. No outlet system exists for the disposal of floodwaters. As further urbanization takes place more runoff volume and higher peak rates will be experienced. This will result in increased damages to an increasing number of people and improvements."

• "The key to orderly development within the study area is the construction of a complete floodwater disposal system including floodwater retarding structures and an outlet channel to the Gila River."

• "Any system of passing water near roadways will result in some concentration of flows unless the roadway is built on stilts or submerged completely below grade and covered without changing elevations of the original ground."

• "Systematic development of this area should start with a land utilization plan that includes flood control and a flood outlet system. Such a plan should include the Buckhorn - Mesa Watershed Project dams outletting into the Salt River and a floodway along the east side of the RWCD Canal to convey water falling below the dams on Buckhorn-Mesa, Williams-Chandler and Apache Junction-Gilbert and Lower Queen Creek watershed to the Gila River."

• "The plan should also provide for and be coordinated with drainage of water intercepted by the Superstition Freeway. Subdivision development should also be planned to utilize the disposal system."

• "Construction of parts of a flood control system without the reservation section of the RWCD floodway will not suffice because there is no existing outlet to the Gila or Salt Rivers. Any improvements of the floodway capacity along the RWCD Canal will result in increased amounts of water downstream and on the Gila River Indian Reservation."

Governor Albert Lewis of Gila River Indian Reservation makes point during public meeting.

Dennie Burns, staff leader of River Basin and Watershed Planning Staff, Soil Conservation Service, sit at projector and points at map.

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The federal grant which covers construction of the floodway does not provide for construction of two highway bridges over the canal. The State Highway Department says they won't be built until they are sure the entire project will be completed.

William H. Price, state highway engineer, said, "The proposed bridges have relatively limited value as far as the highway department is concerned.

"If the entire project is assured, the bridges would be of great value to the highway department. The entire project would be of great value, particularly in construction of the Superstition Freeway."

"BUT," he emphasized, "The completion of one single segment alone would be of little value."

Governor Albert Lewis of the Gila River Indian Reservation, where the two bridges must be built in order to start construction, retorted angrily to Price's position.

Answering Price's statement that he would recommend construction of the bridge only if he could be assured of complete project approval, Lewis pointed out that the Indian reservation had already donated land valued at \$600,000 for right-of-way for the floodway.

"There is no question you (the Highway Department) should take time to consider it. You say it has no value but I can assure you it is very valuable to us," Lewis said.

PLANNERS say the reservation would have immediate relief from flooding when the first seven miles are finished. Completion of the section on the reservation would require less than a year once the bridge construction is approved.

In a letter attached to a

study of the proposed floodway, Lewis pointed out that flood damage in the past few years has amounted to \$500,000 on the reservation. He said thousands of acres of allotted and tribal lands are inundated annually, including agricultural lands, irrigation canals, residential homes, commercial property and roads and highways.

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"We realize this is not going to be the whole requirement," Ohsiek said, "but it will allow us to make a beginning with the small amount of funds available to us and we'll do what we can."

"I CAN'T make a prediction what the board of supervisors will do in succeeding years," he said, adding that his belief was that once they were committed to it, the supervisors would follow through with the project.

Ohsiek also asked the agency representative at the meeting to "induce property owners not to gouge us for the right-of-way but to allow us to obtain it at a reasonable cost."

The single objection to the project came from Don Webb who presented a statement from the Bureau of Sport Fisheries and Wildlife saying the floodway would endanger wildlife habitat.

He said the RWCD project, when combined with flood control projects in other areas of the county, could cause the Gila and Salt rivers to overflow and inundate the habitat for a variety of wildlife species.

BURNS SAID the floodway will control 63 per cent of the runoff by the use of dams. He acknowledged that runoff from areas below the dams might cause the rivers to rise but experience has shown most of this water will be absorbed or evaporated.

Burns added that although initial indications were that controlled runoff over a period of time would enhance rather than destroy wildlife habitat, an environmental impact study would be completed before project construction is begun.

The results of a Soil Conservation Service study on the project were released at the meeting by Burns. Major conclusions were:

- "Land use changes are having a tremendous effect on runoff resulting from storms in this area. The trend is toward increasing urbanization. No outlet system exists for the disposal of floodwaters. As further urbanization takes place more runoff volume and higher peak rates will be experienced. This will result in increased damages to an increasing number of people and improvements."

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Scottsdale 7-27-72

\$7 million for flood control meeting topic

City officials were meeting this afternoon with the board of directors of the Scottsdale Chamber of Commerce to discuss various means of raising \$7 million for flood control projects.

City Manager Dale Carter had been asked to set up the meeting so that city officials could question the business men as to their thoughts on the best means of raising the funds for the projects which will cost a total of \$12.5 million with federal and county aid.

Before considering setting a date for a referendum vote on the proposed bond issue, the City Council wants to make sure the business community favors such action, according to Mayor Bud Tims.

Tims recalled that several chamber members put up money to fight a proposal last year that the city boost its sales tax one cent to finance

the flooding protection projects. The vote was almost 3-to-1 against the proposal.

At 8 p.m. Monday, at an informal meeting, the council will explain various proposals to residents of 64th and 66th Streets near Shea Boulevard where homes were flooded June 22-23 and again on July 17.

Carter said he has been asked to set up future meetings with members of various homeowner groups, members of the county Board of Supervisors, directors of the county Flood Control District, officials of the Salt River Project, and other agencies to discuss the city's flood problems.

The council has discussed various proposals to generate the necessary funds including a possible boost in the city's property tax rate from the present \$1.03 to \$1.53 in order to finance the projects.

Other financing measures mentioned are a one-half per cent fee on all real estate transactions, a luxury tax on cigarettes and liquor, a tax on hotel and motel rooms, a boost in the city's one cent sales tax, and formation of a flood control district along Indian Bend Wash with a 10 cent tax levy imposed.

There are some city officials who believe the time is not right for a city bond issue inasmuch as the school district has set an October date for a \$1.2 million bond issue to construct Scottsdale's 20th elementary school and a vote in November for a county proposal for an \$83 million bond issue for various projects.

Tims has asked the city staff to "go to the people" to get their feelings on how they want to finance in Indian Bend Wash and other flood-prone sections of the city.

Flood victims to file for loans in Phoenix

Flood victims still planning loan applications with the Small Business Administration now must deal directly with the agency's Phoenix office.

John Seeley of the SBA said the temporary office previously located in Scottsdale High School has been closed.

All loans now will be approved at the SBA main office at 112 N. Central.

He said 550 loan applications have been processed so far

with officials expecting still another 300-400 applications.

The SBA also warned flood victims against solicitors offering to help them make disaster loan applications or estimates of loss or damage for a fee.

Stan Goldberg, SBA district director, said the "SBA does not have any such solicitors and does not charge any fees for such services."

He said he has received several calls from applicants questioning whether such solicitors are authorized.

Scottsdale 7-27-72

Scottsdale 7-28-72

For flood control

CofC directors balk at blank check

Members of the Scottsdale Chamber of Commerce Board of Directors last night balked at giving city officials a blank check to finance a proposed \$7 million bond issue to be used on flood control projects.

Most of the business men told Mayor Bud Tims they would like a detailed plan on what the money was going to be used for before they would feel it right to give their endorsements to any type of fund-raising endeavor.

"You city officials will have to present us with a specific flood control program which will satisfy all of the people," Don Chambers said. "We want a lot of answers before we decide to give our endorsement of any fund-raising program.

Chamber's feelings were echoed by several others including Steve Simon who said: "If you want the \$7 million show us what you are going to do with it and we'll try to help you raise the cash."

Mayor Bud Tims replied that he would arrange for vacationing Public Works Director Marc Stragier to present specifics on the city's plans to improve flood protection in all sections of Scottsdale at a meeting to be held at the chamber's convenience.

When the meeting started Mayor Tims had asked

the chamber members to stick to the subject of financing bond issue and not go into the engineering details necessary to complete the project.

But all during the two-hour meeting the chamber members refused to discuss any means of financing continually going back to the measures needed to provide projects in Indian Bend Wash and other flood-prone sections of the city.

Garth Saager of Arizona Public Service Co. said: "I don't think its time to ask for money without first presenting us with a complete plan."

"At any earlier meeting the board decided to help the city in any way we can with flood control," Dentist Paul Gledhill, said. "But first we want to know what you are going to do with it."

Chamber Manager A.J. Collins promised the mayor that he would set up a meeting of all chamber members, if need be, to be oriented on specific plans of the city's flood control program.

City Councilman Paul Messinger urged the business men to get acquainted with the needs "because we want to get this flood-control program started as soon as possible.

City Manager Dale Carter said the \$7 million would supplement a \$12.5 million program with

about \$5.5 million coming from the county flood control district (\$1½ million) and about \$4 million supplied by the U.S. Corps of Engineers who are slated to do actual construction work in the wash when the city acquires necessary rights-of-way there.

"The Maricopa County Flood Control District is one big joke," said Chambers. He did not elaborate.

Real Estate broker Al Overand said he had talked to officers of the U.S. Corps of Engineers and they had informed him it will take a year to complete a study on the wash and at least eight years before they plan to complete the work here.

"Is there any way we can expedite actions of these other agencies?" Overand asked.

Carter said the speed in completing the project will depend on the actions of the other agencies including officials of the Salt River Project who are reported to be discussing installing a siphon in the Arizona Canal under the Wash to relieve pressures on canal banks.

The meeting broke up with little discussion on means of financing the bond issue by sales taxes, property taxes, luxury taxes, and other measures proposed by city officials in a written memorandum given chamber members.

Woman fears ^{Scottsdale} city flood plan

PARADISE VALLEY — A Paradise Valley woman, fearful that one of Scottsdale's proposed solutions to the flood problem would leave her and her neighbors anything but high and dry, took her cause to the Town Council last night.

"It looks like the water problem in the 64th Street and Shea area is going to be passed on to us without any concern for the people of Paradise Valley," Mrs. Richard Betts told the council members.

Mrs. Betts, 6729 E. Doubletree Ranch Rd., said that a plan proposed by the City of Scottsdale to alleviate future flooding along Shea Boulevard, which she said would divert flood waters along roads there into the Bernell Canal, would cause extensive flooding to the south between Scottsdale Road and 64th Street, near the Scottsdale-Paradise Valley boundary.

"Their solution might compound the problem," Mrs. Betts warned. She said that flood run-off from the Shea area and the possible overflowing or breaking of the Bernell Canal could leave many Paradise Valley residents flooded.

Assistant Scottsdale Public Works Director Dan Raby said this morning, however, that the city would never divert water, only improve the capacity of the existing channels to get the water to the Salt River.

Town Mayor Bob Tribken told Mrs. Betts that the Council and the interests of the Town of Paradise Valley would be represented at an informal session of the Scotts-

dale City Council Monday night 6:30 when flood control proposals are to be discussed. He said Town attorney Ron Petica would request the city of Scottsdale to delay approval of any flood control solution until officials of the town had time to study the proposals.

In a related matter the Council instructed Town Manager Jack Phillips to apply for federal flood insurance which could be purchased by town residents at a nominal cost.

In other action the Council approved the final plat plans for Hummingbird Vista subdivision, but stipulated that the 20-lot subdivision planned south of Hummingbird Lane near 64th Street incorporate a sewer system rather than individual septic tanks as proposed by the developer, Henderson Realty.

Jack Sennini, representing the realty agency, termed the council action "ludicrous and totally unfair."

"I've never seen anything so mishandled," Sennini remarked. He contended that the order of subdivision as recorded in November stated that septic tanks would be used instead of a system of sewers. "We've been before the town for nine months under the assumption that the septic tanks were okay. Now you turn around and tell us we have to have a sewer system. I see no equity in that."

Sennini said that at this point the developer could not afford to install sewers.

Planning and Zoning Commission member Jon Bonnel, present at the meeting, admitted that a mistake had been made when the order of subdivision had been recorded without mention of a sewer system.

The council split its vote 4-3 to stipulate that sewers be installed. In arguing for defeat of the motion to require sewers, councilman Stanley J. Kleban said, "We would be acting out of faith and capriciously if we deny this application."

Scottsdale
**Flood meeting
set for 6:30 p.m.**

An informal meeting of the City Council to present various flood protection proposals to residents has been scheduled for 6:30 p.m. Monday. A story in Thursday's Progress stated that the meeting would be held at 8 p.m., which was incorrect.

Tonight at 6:30

7-31 City Hall

Residents to get word on flood protection

City officials will meet at 6:30 tonight with residents of the flood-prone areas near 66th Street and Shea Boulevard to explain what can be expected in flood protection for their homes.

Residents in this area are demanding action because their homes were flooded during the storms of June 22 and 23 and again on July 17.

The residents have formed

an organization to aid city officials in various programs including the promotion of a \$7 million bond issue to complete flood control projects among which is the development of Indian Bend Wash for complete drainage through the city.

Many of the residents claim they soon will be bankrupt because of having to repair damages caused by the

flooding of their properties during the rainstorms.

City officials claim the \$7 million will be used to install a system of storm drains in the areas and to provide a drain-off into Indian Bend Wash which they hope will cause a decrease in the damage in the area when the rains come, especially during the summer season.

FORGET THE COMPUTERS

Get Out In The Weather, Forecasters Are Urged

By JOHN L. CARPENTER

The weatherman ought to get out of his little room with the figures and the computer and get closer to the weather by directly experiencing it, a well-known Mummy Mountain meteorologist declared today.

Then maybe the weather forecast might be near to what happens, according to Willard Le Blond Groene, director of the Mummy Mountain Observatory in Paradise Valley.

Still, Groene admits, the desert weather here is "irregular, undependable and unpredictable" so far as seasonal forecasts are concerned.

THE RECORDS show the end of June to be the driest in the desert here, but we got 4 inches of rain the other day, he noted, in an interview before speaking and showing films on floods at the Phoenix Kiwanis Club in Hotel Westward Ho.

"Early September we may sit through without a cloud," he commented. "It's not like Cincinnati, my old home, where you would get 3 inches a month every month in the year."

People move out here and expect weather like back in the Midwest but it doesn't work, he explained, declaring:

"YOU CAN'T raise corn in Indian Bend Wash!"

There's "a terrific drought" in Arizona now, especially in Flagstaff where Upper Lake Mary is only 10 per cent full. "It's a drought of hazardous proportions . . . you can't run

a water pipeline up 7,000 feet."

The long term trends he sees in desert Arizona are:

- Increase in temperatures and decrease in rainfall, particularly in summers over the past 75 years.

- Increasing intensity of summer thunderstorms the past 30 to 40 years, causing much earth gouging-out, such as the Santa Cruz River through Tucson.

Who knows what causes it all: Sun spots, man-pollution changing heat conductivity — perhaps it's a long trip back 11,500 years to the ice age?

Insofar as forecasting the weather, Groene believes "the human finesse" is superior. The mechanical piano, no matter how perfected, cannot duplicate the human player, he asserted.

With the \$50,000 worth of weather equipment he has in his observatory on Mummy Mountain, Groene insists his hunches, based on experience and map reading, often make the best forecasts.

HE RECALLS talking with his weathermen friends here back some years (was it 1969?) and predicting five days ahead a devastating flood. The weathermen agreed, Groene recalls, but feared touching off panic by predicting it five days ahead.

"More real experienced men (experienced in maps and observation) should be placed in direct contact with the weather," he urged.

"They are collecting terrific amounts of data, but failing

to use a simple amount of information in forecasting," he said.

What can be expected here floodwise?

- More rain in summer, widespread and less frequent, more concentrated.

- Lessening winter rains but causing more serious trouble when they get over the Mogollon Rim and the McDowell Mountains causing more serious flooding over widespread areas. "Indian Bend Wash will run for a week (in these instances) and the Salt River will overflow its banks."

Groene advocates requiring subdivisions to be constructed only where they fit the topography, not where they will be washed out by future flooding.

The bad thing is that builders get some cheap land, perhaps where they will restrict the stream-flow of floodings as shown by government maps, he indicated. Builders should be required to obtain engineering and topographical maps that show their land is proper for subdivisions, then get zoning approval on that basis, Groene contends.

Demo Candidate Proposes Countywide Flood-Control Bond Issue

Gazette Scottsdale Bureau

SCOTTSDALE — A countywide flood - control bond issue is the solution proposed by Phoenix attorney Jack

Brown to the problems created by excess storm water sweeping the Valley.

In a public meeting held last night, the Democratic

candidate for the new 4th Congressional seat, read a report from his "Special Task Force on Flood Control" to about 250 persons at Saguaro High School, 6520 N. 82nd St.

The Task Force members recommended:

● That the county flood control district and the board of supervisors initiate a flood - control bond issue of not more than \$30 million and place it on the November ballot.

● That stronger municipal ordinances be drawn up on flood protection in new developments.

● That Valley cities prepare an emergency flood relief plan, including provision

for evacuation of "flood - isolated areas."

● That the City of Scottsdale and the Salt River Project cooperate in providing for safe use of the flood gates in the Arizona Canal at Indian Bend Wash.

● That the highest priority be given flood control by the Central Arizona Project.

Robert Stark, Republican chairman of the county Board of Supervisors and two Republican candidates for the 4th Congressional seat, State

Sen. John Conlan and Bill Baker, generally supported the recommendations, but doubted the possibility of success of the bond issue.

STARK pointed out the past history of defeated flood-control bond proposals on a countywide basis. Conlan and Baker, each admitting that the overall approach was good, urged that "zonal" flood control projects be considered.

Such projects refer to bond issues authorized by the Legislature for flood control with-

in endangered zones of the county and most likely to be supported.

In the open discussion ses-

sion of the meeting most of the talk centered on flood-control problems in specific areas.

SHEA AREA UNHAPPY

DRAINAGE!

Flood Plans Criticized

Gazette Scottsdale Bureau

SCOTTSDALE — Residents of this city who live along Shea Boulevard near the intersections of 64th and 66th Streets are critical of plans offered to ease the problems of flooding.

That spot lies in the heart of the area most badly damaged during the June 21 deluge.

Last night, city officials told a public meeting of about 80 persons that the city hopes to ease the problems by wid-

ening Shea and 66th Street by about 25 feet each to improve drainage and by increasing the capacity of the drainage ditch running down 64th Street south of Cholla Road.

Many residents in the audience thought the plans were inadequate.

W. A. Garrison, 6529 E. Shea, said the widening will not ease the problems because speeding floodwaters running south on 66th will shoot over the properties south of Shea.

Vice Mayor Herb Drinkwater agreed that 66th Street will continue to be a problem because of the many curves on the street but maintained that most of the water on 66th comes from 64th and improved drainage on that street will help.

He stressed that money for the projects and for easements needed for widening the roadways would probably have to come from a countywide bond issue.

8/1

Carter says

Scottsdale 8-1-72

City flood control plan due Aug. 14

City Manager Dale Carter said today a complete flood control plan for the City of Scottsdale will be presented for city council study on Aug. 14.

Carter said the comprehensive plan will include proposals of several phases of construction which will provide flood protection in most parts of the city at a cost of approximately \$12.5 million with Scottsdale providing \$7 million of that total.

Both Carter and Mayor Bud Tims claimed that the flood control issue is now being clouded by many persons who are making political issues out of the problem without any thoughts of solving or providing positive solutions.

At an informal session last night Tims said he informed Democratic congressional candidate Jack Brown that the latter is using forums on flood control as a political bandstand and by conducting the forums is "just clouding the issue without giving any positive answers toward solutions."

Both Tims and Carter said they thought that responsible city officials should be afforded the chance to present the complete program without outside interference.

Brown claimed today that the task force was formed in order to supply an impetus to the program already developed and that the program has been stymied by "lack of good leadership in Scottsdale and Maricopa County in the past."

"It is unfortunate that Mayor Tims feels this way," Brown said. "If he has read the report by our task force he would soon realize we have presented many positive solutions to the problems."

Brown said that Tims should forthwith get together with the county Board of Supervisors to devise a cooperative effort which will lead to a program solving the problems in Indian Bend Wash and other sections of Scottsdale.

Carter said the city officials have, in fact, set up

meetings with other agencies in order to get the over-all projects completed in the shortest possible time.

Carter said meetings are being scheduled with the Board of Supervisors, the Army Corps of Engineers, and officials of the Salt River Project to develop a workable method of financing the projects in all parts of the city.

With the Salt River Project, Carter said, the city probably will design a project which will lead to the siphoning of the Arizona Canal under Indian Bend Wash in an effort to alleviate flood waters from causing breaks in canal banks both in Scottsdale and in Phoenix.

Carter said talks have also been arranged between Scottsdale officials and those in Phoenix, Tempe, and the Town of Paradise Valley, to insure a co-operative effort will be made in future flood control projects.

SDP 8/1/72



A HOUSEWIFE, (lower right) holds up her hand to request recognition last night as City Engineer George Ianella attempts to explain what is being planned to relieve the situation in a flood-prone area near 66th Street and Shea Boulevard. Shown is part of the standing-room only crowd which attended the meeting which often turned into a shouting match.

Photo by Dennis Carroll

flood control for city residents which would result in dumping flood runoff waters into homes in Paradise Valley.

"By solving your problem it will increase our problems,"

the meeting using maps and diagrams of proposed projects to explain to the residents future plans affecting their particular areas.

County Supervisor can-

omes natch

didate James Mitchell urged the residents to form their own flood control district and to tax themselves to get the necessary work done before the next rains.

Mitchell claimed that the four cents on each \$100 valuation being assessed by the county flood control district is now being used mostly for administrative purposes.

"More than 50 per cent of that tax is now being used for administration purposes with only a small percentage used in actual flood control measures," Mitchell said. "If you want to get the work done, form your own district and make sure the resulting tax collection funds are used for flood protection in Scottsdale."

"I'm worried about that next rain," one housewife said. "So far all that I've heard is a lot of talk with little or no action."

On flood issue

Session becomes a shouting match

By JACK KARIE
Progress Staff Writer

A meeting between city officials and flood victims from the vicinity of 66th Street and Shea Boulevard turned into several individual shouting matches last night as the residents demanded solutions to flooding problems in their areas.

City Engineer George Ianella was hard put in keeping the meeting under control as some of the housewives of the area shook their fists as they described the flooding of their homes and suggested measures to prevent such flooding in the future.

A Paradise Valley woman accused the City of Scottsdale of devising projects to provide flood control for city residents which would result in dumping flood runoff waters into homes in Paradise Valley.

"By solving your problem it will increase our problems,"

she said. "I just don't think that is right."

At this point a Scottsdale resident arose to say that he was there to ask about the solution of Scottsdale problems and did not think the city should listen to the problems of "outsiders."

Ianella promised that Scottsdale officials were now working hand in hand with their counterparts in Paradise Valley to develop a comprehensive plan which would lead to flood control for both communities.

Each of the 75 homeowners attending the meeting seemed to have their own ideas on how the problem should be solved.

Ianella and Assistant Public Works Director Dan Raby spent more than an hour after the meeting using maps and diagrams of proposed projects to explain to the residents future plans affecting their particular areas.

County Supervisor can-

didate James Mitchell urged the residents to form their own flood control district and to tax themselves to get the necessary work done before the next rains.

Mitchell claimed that the four cents on each \$100 valuation being assessed by the county flood control district is now being used mostly for administrative purposes.

"More than 50 per cent of that tax is now being used for administration purposes with only a small percentage used in actual flood control measures," Mitchell said. "If you want to get the work done, form your own district and make sure the resulting tax collection funds are used for flood protection in Scottsdale."

"I'm worried about that next rain," one housewife said. "So far all that I've heard is a lot of talk with little or no action."

In flooding fight

Brown asks support for bond issue

Scottsdale Daily Progress
8-2-72

Phoenix attorney Jack Brown, Democratic candidate from the 4th Congressional District, last night appointed himself temporary chairman of a special citizens committee on flood control and called for support of a move to place a \$30 million county-wide bond issue on the ballot in the November general election.

Speaking to about 250 persons at Saguaro High School, Brown said that any area in the Valley was susceptible to heavy flooding and that efforts to control flooding should be county-wide.

"We know that floods of greater intensity, a 20-year flood, a 50-year flood and even a 100-year flood can happen at any time," Brown said. "We can predict that, if a really major flood should occur in this Valley, the damage would reach catastrophic proportions, that the risk of loss of life would be serious and that no one who lived in this Valley would escape being directly affected."

Other public figures, including Robert Stark of the county Board of Supervisors and state Sen. John Conlan, a GOP candidate for the 4th Congressional District seat, expressed approval of the county-wide bond issue, but warned that such flood control referendums have failed overwhelmingly in the past.

"I favor a county-wide bond election and con-

struction of a flood control plan on a county basis, but we have a tremendous problem in getting a bond issue passed," Stark said.

He added that if the Board of Supervisors' flood control advisory board recommends that the board place the bond issue on the ballot, he would vote for it.

Conlan also questioned whether a county-wide flood control bond issue would pass and suggested that Brown's Task Force on Flood Control consider plans for dividing the county into zones, which Conlan said would make approval of a bond issue easier.

"People will tax themselves only if it benefits them directly," Conlan said. He added that proponents of any move for a county-wide bond election "must analyze where the votes are."

Other speakers at the meeting sponsored by Brown's task force, included representatives of the Salt River Project, the Army Corps of Engineers, the Maricopa County Flood Control District and Bill Baker, Republican candidate from the Fourth Congressional District.

Residents at the meeting, most of whom had been hit by the June 21 storms, questioned the officials on what could be done to eliminate flood problems in their particular areas.

Suggestions offered by the residents included a

moratorium on building and zoning changes in flood prone areas, bridges over canals and canal underpasses.

Brown's flood control task force members presented flood control recommendations for audience approval. They were:

—That city governments review and strengthen existing procedures and ordinances governing flood protection requirements for new building developments.

—That the cities and counties prepare an area-wide emergency flood relief plan which includes provision for evacuation of families from flood-isolated areas.

—That the Salt River Project and the City of Scottsdale agree upon a procedure that would permit safe utilization of the canal gates at the Indian Bend Wash.

—That the plans and construction of the Central Arizona Project give priority to the Project's flood control features.

By the time Brown got around to calling for a vote on the task force's recommendations, more than half of the original audience had left.

About 20 persons raised their hands indicating they would serve on a special flood control volunteer committee to help implement the recommendations.

FLOOD CONTROL DIST. OF
MARICOPA COUNTY
3325 W. DURANGO
PHOENIX, ARIZONA 85009

*Scottsdale
Daily Progress
8.2-72*

City takes action against flooding

The city council last night took first action toward providing flood relief for residents of North Scottsdale, especially those residents in the flood-prone area on 64th and 66th Streets and Shea Boulevard.

For an approximate cost of \$10,000, the council voted to hire the firm of Yost and Gardener to refine an earlier drainage study of the Indian Bend Wash tributary which includes all of North Scottsdale.

They also hired Kraft Associates Engineering Co., at a cost of about \$1,500, to redesign a drainage ditch that runs along 64th Street north of Shea which will be rebuilt at a cost of between \$25,000 and \$30,000. Funds for the ditch, washed out in recent storms, will be provided by the Federal Disaster Relief Fund.

Meanwhile, city crews were working in the area removing curbs from a frontage road along the ditch, extending between Shea and Cholla Lane, to allow water from the road to drain into the ditch and increasing the ditch flow about 20 per cent.

Yost and Gardener did a storm drainage study for the entire county in 1970. The new study will be refined and will pinpoint surface water runoff amounts and mark natural washes so that developers can be warned of such washes before deciding on construction in those areas.

Recommendations of the engineering firm will be included in a comprehensive flood control program which City Manager Dale Carter said will be presented for council perusal on Aug. 14.

The northern area study will start immediately and preliminary information should be available to city planners within two weeks, according to Dan Raby, acting public works director.

Carter said the northern area study is only the first portion of an overall flood control program which the city has been studying "on a priority basis" since floods June 22 and 23 which caused millions of dollars in damage to homes and business establishments within the city.

Carter said the newest council action will be followed by a number of other proposals and plans which will comprise an overall flood control program with an estimated cost of more than \$12.5 million. The city council now has the dilemma of devising means to raise \$7 million estimated to be the city's share in the program with the U.S. Corps of Engineers. The Corps is providing \$4½ million for construction in Indian Bend Wash and the Maricopa County Flood Control District's chipping in about \$1½ million for other projects.

The Mailbag

Scottsdale Daily
Progress 82

Several taxes urged in flood control fight

Sir:

Five years ago there were a number of people from the Indian Bend Wash Citizens Community Council fighting a developer at Thomas and Hayden Road in an effort to get flood control. It became a major issue in the elections.

To correct your editorial of July 27, 1972 "No sales tax please" I would point out, first the sales tax itself was not the issue. As stated by Mr. White, Saba, Appling, Schroeder and others who fought against the sales tax, the problem was the incorporation of buses, ramadas, and other things they considered to be unnecessary.

Second, that sales tax would have become a permanent tax and this would have reduced trade in Scottsdale and drastically hurt business. They stated they would actively support any realistic approach to solve flooding of our community.

The fact is that a solution is close at hand. It will require \$750,000 annually over about a five-year period. This will be used to acquire right of way and construction of necessary culverts, etc. There is no one tax that will supply the necessary funds. It will

take several taxes to spread the cost out and be fair to everyone. However, without community support the mayor and council will just be spinning their wheels.

Another source of income for flood control might be as simple as the donation of \$50 a year from each family. I'm willing to give my \$50 a year as this could conceivably bring in \$100,000 or more annually. If it takes a 1 per cent sales tax for a five-year period, I urge the community to actively support it and any other necessary tax to solve our problems.

As to flooding having a top priority, this was stated at the council meeting four weeks ago and as some members of the City Council was also flooded, I think it will remain a top priority item.

In closing, I commend the mayor and council in its action of meeting with the Chamber of Commerce and other organizations etc. to actively recruit support for a fair and equitable funding program.

REXBELL YOUNG

Indian Bend Wash
Citizens Community Council

Candidate backed on flood control plan

By CHARLES E. KELLY

Phoenix attorney Jack Brown last night held what he called a "town meeting" and won some popular and bi-partisan support for his plan to fund flood control projects in Maricopa County.

About a dozen of 250 people attending the meeting in Saguardo High School, 6520 N. 82nd St., Scottsdale, volunteered to urge the Maricopa County Board of Supervisors to put a bond issue for flood control on the November ballot.

Brown, Democratic congressional candidate for the new 4th District, said those volunteers would form a citizens committee, with himself as temporary chairman, to further that aim.

Robert Stark, Republican chairman of the county Board of supervisors, and Bill Baker and state Sen. John Conlan, candidates in the Republican primary in the 4th District, generally supported the bond issue proposal, but voiced misgivings of success.

"You've got a tremendous problem in getting it passed on the basis of the past record of rejection of flood-control bond issues," Stark said.

Conlan said a county-wide bond issue for flood control would be "ideal." However, he urged, as did Baker, that funding for flood control within "zones" also be given serious consideration.

The state legislature has authorized bond issues for flood control within "zones" in a county so that those most endangered by floods might be able to push through funding.

The meeting also heard a report from Brown's Task Force on Flood Control, formed after the June 21-22 floods.

The audience included representatives of various citizens' groups concerned with flood control, the Salt River Project, the Maricopa County Flood Control District, and the U.S. Bureau of Reclamation.

Brown presented members of his Task Force, including attorneys Roslyn Moore and Jol Grant, Arizona State University law professor Milton Schroeder, and Randy Scoville, president of International Mailing Systems Inc., 407 W. Osborn.

The Task Force members

read their recommendations for flood control, including:

— That the county flood control district and board of supervisors place a flood control bond issue of not more than \$30 million on the November ballot.

— That Valley cities review and strengthen ordinances on flood protection for new development.

— That Valley cities prepare an area-wide emergency flood relief plan including provision for evacuation of "flood-isolated areas."

— That the Salt River Project and the City of Scottsdale cooperate in providing for safe use of the SRP floodgates in the Arizona Canal at the Indian Bend Wash.

— That the Central Arizona Project give high priority to

flood control.

Most of the audience discussion dealt with flood control problems in specific areas, but two general amendments to the recommendations were accepted.

Mrs. Christine Carroll, who said she was an ASU music teacher, proposed a moratorium on zoning changes which permit development in Valley flood plains.

Baker said counties as well as cities should prepare emergency flood plans.

Both amendments were accepted.

Though the audience dwindled to about 125 people by the time it ended, nearly 2½ hours after it began at 7:30 p.m., Brown said the meeting had provided "a good expression of citizen support" for flood control in the Valley.

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PHOENIX, ARIZONA 85003

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PHOENIX, ARIZONA 85009

Scottsdale *Daily* Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

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Mayors join in flood control

Officials of Scottsdale and Paradise Valley today were ordered by their mayors to enter into a cooperative program in future development of flood control measures in Indian Bend Wash.

Mayor Bud Tims and his counterpart in the town of Paradise Valley, E. Robert Tribken, have agreed on a program of cooperation and information sharing in an effort to assure full flood protection for both communities.

The pact came after several residents of Paradise Valley complained that proposed flood-control projects in Scottsdale probably would cause their properties to be endangered by the resulting runoff of water.

Both mayors agreed that such a joint program is necessary to solve flood control problems for both municipalities in that part of the wash which flows from northwest Scottsdale into Paradise Valley and back into Scottsdale just north of the Scottsdale Road and Cheney Drive intersection.

City Manager Dale Carter said the announcement is being made to provide reassurance to residents of

both communities that flood control efforts in one municipality will not result in flood problems for the other.

Tims said the Scottsdale City Council earlier this week had authorized a comprehensive flood water drainage study of the entire North Scottsdale area.

Carter said these studies will include total flood drainage in the area which presumably will include those sections of Paradise Valley bounded both on the north and south by Scottsdale.

Carter said the Yost and Gardener study will include specific recommendations and a cost analysis of future flood prevention programs for the northern area.

The city manager said results of the study will be made available to Paradise Valley officials who then can compare the recommendations with drainage and Indian Bend Wash flow criteria inside the town to be sure the normal water flow of the channel will be maintained.

At the same time, according to Carter, flood water flow reports and damage data are being

collected by Paradise Valley officials and will be made available to planners working on flood control programs in both municipalities.

Carter noted the two municipalities have cooperated on flood control methods in the past, especially on Scottsdale Road where the Camelback Country Club Golf Course and the McCormick Ranch Golf Course have been constructed in Indian Bend Wash.

He said Scottsdale Road suffered normal flooding during June storms and that a series of dikes on Camelback Golf Course in Paradise Valley and lakes on McCormick Ranch contained most of the flood waters.

"There was no flooding of homes either north or south of the channel in this area," Carter said. "I believe these two projects and the cooperation involved have resulted in success and the new cooperative program announced today should ensure a successful flood control program for the entire northern area."

Opette 8/3

Flood Study

Delays Home

Insurance

Gazette Scottsdale Bureau

SCOTTSDALE — City Manager, Dale Carter said today about 4,000 homes will not be eligible for federally subsidized flood insurance until a U.S. Army Corps of Engineers study of the city's flood problems is approved.

Carter said he has written the Federal Insurance Administration in Washington, urging prompt approval of the study.

Most Scottsdale homes now qualify for the flood insurance, but dwellings started after March 25, 1971, presently do not qualify, Carter said.

He said approximately 4,000 homes begun after that date will qualify for the regular federal insurance program after the government flood study is approved, but that insurance rates will go up at that time.

The rates will vary according to "risk area" designations, Carter said.

Flood insurance in Scottsdale tied to approval of Army study

SCOTTSDALE — About 4,000 homes in the city will not be eligible for federally subsidized flood insurance until a U.S. Army Corps of Engineers study of the city's flood problems is approved, City Manager Dale Carter said yesterday.

Carter said he has sent a letter to Richard W. Krimm, assistant administrator of the Federal Insurance Administration in Washington, urging prompt approval of the study.

Most homes in the city now can qualify for the federal emergency flood insurance program, but dwellings started after March 25, 1971 presently do not qualify, Carter said.

Approximately 4,000 homes begun after that date will qualify for the regular federal insurance program after the

government flood study is approved, but insurance rates will go up at that time, Carter said. The rates will vary according to "risk area" designations, he said.

Renters are eligible for the insurance, but the insurance covers only structures, not landscaping, gravel or swimming pools.

Residents must purchase flood insurance before Dec. 31, 1973, to be eligible for federal insurance assistance, Carter said.

The designated servicing agency for this area is Aetna Insurance Co., 4502 N. Central, Phoenix, Carter said. Aetna will provide local insurance firms with information and applications on request, he said.

Republican

23-72

8/4 PHX. GAZETTE
**Scottsdale
Dike Seen
Set In '76**

Gazette Scottsdale Bureau

SCOTTSDALE — A 10-mile-long, 20-foot-high earthen retention dike, part of the Central Arizona Project in north Scottsdale, should be completed by 1976 and help in controlling Scottsdale area floods, City Manager Dale Carter said today.

The U.S. Bureau of Reclamation informed Carter that construction of the dike, which was engineered to protect the canal bringing water from the Colorado River, will be started in March 1974. Work on the dike is subject to approval of the Environmental Protection Agency on Sept. 1.

CARTER SAID the dike will stop "a major portion of the surface water" which floods Scottsdale from the north. Present plans are to retain the water behind the dike and release it into the canal as soon as possible.

The dike will run from 40th Street east to the McDowell Mountains with a 2,000-foot area along the north side. Carter said this land may be made available to county and cities for greenbelt purposes.

Carter said other flood control program approaches will be developed at this time to take care of the limited runoff south of the proposed dike. He said Scottsdale, in cooperation with neighboring communities, will continue to work on this proposed program.

COST OF THE city's flood control program has been set at approximately \$7 million and a decision on whether or not to hold a bond issue to raise the money will be made this month.

Scottsdale Mayor Bud Tims met with Col. John Roper of the U.S. Army Corps of Engineers in Los Angeles today to discuss flood control plans for Indian Bend Wash which lies south of the dike.

PHX. GAZETTE
**FHA blamed
for adding to
flood losses**

Bill Baker, a candidate for the Republican nomination in the 4th Congressional District, yesterday charged that the Federal Housing Authority directly contributed to the losses suffered by homeowners in the recent floods.

The FHA was "violating not only their own directives, but also state statutes," Baker told a meeting at the home of Frank Bright, 4325 E. San Miguel.

Baker said local FHA officials knowingly and illegally authorized financing of homes in flood plains and natural drainage areas.

He cited the FHA financing of the Saturn Builders, Inc., 4117 Alta Vista Road, noting it was not an isolated instance.

Baker said, "Twenty homes suffered severe flood damage in June, a loss that would have been avoided if FHA officials had complied with existing building codes and statutes."

In McDowell Mountains

8/3 SCOTTSDALE DAILY PROGRESS

Building prohibition asked

Consultants revising the city's general plan indicated strongly Thursday night they will recommend that the McDowell Mountains in Northeast Scottsdale remain undeveloped in order to retain their natural beauty.

Gordon Davis of Wilsey and Ham told members of the city Planning Commission that city policy should be that mountains with a slope greater than 15 degrees should remain in their present state.

Davis cited the problems Phoenix had in preserving the natural beauty of Camelback Mountain and warned that Scottsdale may have the same problems unless development in the mountains is restricted.

In presenting first rough maps of the primary concept of the development plan of North Scottsdale, Davis indicated proposals which would

keep the overall densities there at less than three dwelling units an acre with the majority of the zoning there kept at one residence for each acre of land.

He explained the Central Arizona Project Aqueduct will form a natural barrier for development and that barrier will restrict development at least five years. The proposed aqueduct crosses Scottsdale Road at Bell Road and continues southwest into the Salt River Indian Reservation.

Davis warned that if North Scottsdale is allowed to develop too rapidly the city will have serious problems in providing city services for new residents in the area.

He indicated the planners will recommend the council make every effort to move commercial development west of Scottsdale Road in

order to improve traffic flows in all areas of the city.

A large commercial area of more than 400 acres was pinpointed on the tentative map at the southeast corner of Hayden and Pima Roads in the northeast section of the Kaiser Aetna McCormick Ranch development.

Davis said the study could recommend that commercial development be restricted at Shea Boulevard and Scottsdale Road in order to keep the intersection from becoming a serious traffic bottleneck.

Davis said he sees a great need to modify the current north-south developments away from Scottsdale's main traffic corridor.

Davis also talked in favor of restricting development of the McDowell Mountain aquifer area (drainage basin) to a density of one residence

on not less than five acres.

He claimed that overdevelopment in the drainage area could lead to serious flood problems for Scottsdale and cause a drastic drop in the water table from which Scottsdale's water wells are fed.

Davis said that development policies around Scottsdale Airport will prove a serious problem for planners and should have a high priority in future thinking about Scottsdale's orderly development. He indicated increased densities probably will be necessary to provide homes for employees working at the industrial plants around the airport.

The consultant said positive recommendations probably will be completed for public hearings before the commission in "30 to 45 days."

Flood Study Is Awaited

SCOTTSDALE (AP)—City Manager Dale Carter says about 4,000 homes will not be eligible for federally subsidized flood insurance until a U.S. Army Corps of Engineers study of the city's flood problems is approved.

Carter said Wednesday he has written the Federal Insurance Administration in Washington, urging prompted approval of the study.

Most Scottsdale homes now qualify for the flood insurance, but dwellings started after March 25, 1971, presently do not qualify, Carter said.

He said approximately 4,000 homes begun after that date will qualify for the regular federal insurance program after the government flood study is approved, but that insurance rates will go up at that time.

The rates will vary according to "risk area" designations, Carter said.

8/4 MESA TRIBUNE

Flood dike completion date will be 1974, says Carter

It probably will be four years before the Central Arizona Project completes a 10-mile-long water dike intended to reduce surface water drainage in North Scottsdale and decrease water flow in Indian Bend Wash, City Manager Dale Carter said today.

He said that he had been informed by Federal Bureau of Reclamation officials that actual construction is slated to start in 1974 and be completed two years later.

The dike will run from 40th Street east to the Taliesin West area at the base of McDowell Mountains.

Designed to protect the

Central Arizona Project aqueduct, the dike will parallel Bell Road on the south and is to be funded and constructed by the federal agency.

Carter claims that a major portion of the surface water which presently flows into North Scottsdale will be retained by the dike. He added that the water retention factor is an essential element of the total Indian Bend Wash Greenbelt Project.

"The dike originally had

been scheduled for a much later construction date," Carter said. "We are very pleased to learn that the construction date has been accelerated since it will enable us to more rapidly complete the total flood projects when funds are made available."

Behind the dike will be a 2,000-foot wide retention and water storage area with the land made available for lease to the cities and county for recreational projects.

8/4 SCOTTSDALE DAILY PROGRESS today



Scottsdale Flood Areas Discussed

State Treasurer Ernest Garfield, candidate for the Republican nomination for Congress from the Fourth District, speaking before a meeting of the Frontier Sertoma Club at the Papago Motor Hotel in Scottsdale congratulated the Scottsdale City Fathers on the action they took to prevent future flooding in the Scottsdale area.

Garfield charged two of his opponents with trying to take political advantage of the suffering of the victims of the recent floods.

He said, "One of them, in a letter to the residents of the flood area, tried to pass the buck by leaving the burden on the shoulders of the private citizen. The other calls for an investigation of the home building industry.

"It is obvious that neither of them has given any deep thought or consideration to the problem because their solutions are shallow and solve nothing at all. The first suggestion is no improvement over the present situation, and it requires the passage of a bond issue. These have not been successful in the past because of the high cost to the private homeowner.

"This suggestion actually compounds the problem because it creates smaller districts within the country and as a result, narrows the financial base even further. It ultimately places the financial burden directly on the owners of those homes that were flooded.

"The second proposal unjustly blights the entire building industry without assuring us of an end to the problem. The burden of solution must be placed where it belongs - on the government.

"If there is an investigation to be conducted, I suggest that FHA and VA loan procedures be investigated. In the past, both the FHA and VA

have approved loans even when appraisers indicated a flood potential existed.

"Concrete provisions should be incorporated in FHA and VA financing by Congress to prevent wildcat building in the flood area. FHA and VA inspectors should refuse to authorize financing in any development where the builder has not taken proper flood control precautions. In addition, it is obvious that local authorities, either because of pressure or carelessness or inadequate laws, have failed to pro-

tect the public from being sold homes on land that is susceptible to flash floods.

"It is most appropriate that the FHA and VA accept this responsibility as the U.S. Constitution requires the federal government to accept the responsibility for the health and welfare of the citizens of the United States. Since the FHA and VA have neglected their duty, it is incumbent upon them to contribute to the solution of the problem."

8/9/72 WEEKLY AMERICAN

8/8 Scottsdale Daily Progress

4-phase flood plan in works

Employees of the city public works department were working today trying to put a four-phase flood control program together for city council study next Monday.

Assistant Public Works Director Dan Raby said city engineers are co-operating with officials of adjacent communities in putting together the report which he said he hopes will cover problems in flood-prone areas in all sections of the city.

Pouring over maps today were Raby and City Engineer George Ianella, who say the report will be the most comprehensive ever compiled for the city of Scottsdale.

The first phase will include recommendations on what can be accomplished before the city has full control of Indian Bend Wash and what use can be made of available funds to provide immediate relief in some areas.

Ianella noted that city crews already are working on immediate measures of flooding relief, especially in North Scottsdale.

Ianella said the second phase of the report will deal with gaining control of all necessary

easements in the wash, a recommendation to join with the Salt River Project in construction of a large siphon under the Arizona Canal at the wash, and construction of culverts and storm drains under east-west arterials to keep traffic flowing across town during periods of flooding.

Ianella said the third phase probably will include recommendations leading to cooperation with the Maricopa County Flood Control District and the U.S. Corps of Engineers in more than \$5 million worth of construction in the wash to make the whole flood control program workable.

He said the fourth phase will include recommendations of where to construct storm drains and culverts through which water will be fed into Indian Bend Wash when it is cleared for a low flow channel down the middle of the wash with a green belt area to handle higher flows.

City Manager Dale Carter has assigned Public Works Director Marc Stragier to attend meetings with members of public agencies and civic service clubs.

FLOOD CONTROL DIV. OF
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Progress

Corps may not buy city's plans for wash

By JACK KARIE
Progress Staff Writer

Officials of the U.S. Corps of Engineers today said they are not entirely convinced that Scottsdale's green belt concept of flood control in Indian Bend Wash is adequate to handle peak floods.

Col. Harry M. Roper of the Los Angeles District office of the corps said a meeting will be held with city officials the week of Aug. 21 to discuss a feasibility report which the corps has been working on for the past year. "We are not entirely convinced that

the green belt concept will handle the flood waters," Col. Roper said. "But, also we are not 100 per cent convinced that it won't work."

Roper said he will await the results of the meeting with Scottsdale officials before submitting a final report.

It was in 1964 that the corps approved plans for a 180-foot-wide cement-lined channel south of the Arizona Canal in the wash and would have started construction but were stopped by city officials who ex-

pressed dislike for the plan.

About 11 months ago the corps agreed to make a restudy of the wash in an effort to combine a channel which would fit into the green belt concept favored by the city council.

The city already has developed parts of the wash under the green belt concept, including Eldorado and Vista del Camino Parks.

If the corps feasibility study is completed by the time of the meeting here, the city will be told what can be expected from the corps in financial help for construction, at an

estimated cost of \$5.5 million. If the plan is approved, the corps will build the channel and the city will acquire rights of way.

Mayor Bud Tims met recently with corps officials in Los Angeles to urge the federal engineers to expedite the feasibility study on so that the city can go ahead with other flood control programs.

City officials have been studying for weeks plans to raise \$7 million as its share of the overall \$12.5 million flood control program.

That Scottsdale Flood

MAYBE IT wasn't any once-in-100-years flood that devastated Scottsdale, Paradise Valley and part of Phoenix on June 22. Nevertheless it resulted in more than \$30 million in property damage besides bringing misery and inconvenience to thousands of people.

Much of that could have been prevented for a fraction of the property loss total if the advice of the Soil Conservation Service, Army Engineer Corps, Salt River Project and dozens of Arizona's leaders had been followed.

But the great majority of residents in what is known as Metropolitan Phoenix paid no heed.

*Aug. Arizona Farmer
Ranchman*

They just didn't believe the engineers and responsible planners. Flood in Arizona, where it never rains? Nonsense!

This attitude was glaringly apparent in 1966 when a \$22 million flood protection bond issue was submitted to the voters. Most of those who took the trouble to go to the polls scoffed at the idea that a flood of any consequence could ever occur in the areas where they lived. The bonds might benefit other parts of the county but "wouldn't do a thing for me." So the proposition was overwhelmingly defeated.

Anyone who has taken the trouble to inform himself about Arizona knows that floods were nothing unusual in this arid Southwest before the white man came. But they caused far less erosion and other injury to the environment because the water found its way to the rivers, down arroyos and other natural drainage channels.

Then white men came along to interfere with natural drainage. He built, and is still building, houses to shed water from their roofs and deflect the natural drainage. He paved roads and streets and parking lots so the soil could absorb none of the moisture. All the water that a gentle or torrential rain provided had to run off and somehow find its way downhill. Nearly all the channels are more or less obstructed and some have even been filled in for homesites.

The sad results were strikingly demonstrated last fall on the desert east of Mesa and Gilbert. But nobody except the sufferers, the SCS and Engineer Corps, paid much attention. Now, however, a disaster of far greater proportions has struck a more thickly settled portion of the county, one where most of the residents are well-to-do and many are wealthy. It is officially proclaimed a "disaster area." Maybe something in the way of flood control will now get done. And just possibly other communities will learn that arid Arizona can occasionally be a sodden Arizona. The time to take action is before, not after, a flood of Scottsdale proportions.

8/11

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Scottsdale Daily Progress

By city officials

SRP, flood district scored

By JACK KARIE
Progress Staff Writer

The Scottsdale City Council reportedly will be told by staff members next week that the Salt River Project (SRP) and Maricopa County Flood Control District have been lax in cooperation which could lead to solving the city's flood control problems, particularly in the Indian Bend Wash.

Some city officials claim that if the SRP would co-operate in building a siphon to allow the Arizona Canal to flow under the wash, more than 70 per cent of the flood control problems would be solved here.

A spokesman for SRP claims the charge is untrue and that if the 800-foot-long siphon was constructed it would endanger properties lining the wash south of the canal.

Its critics claim that in spite of changing conditions, the SRP has failed to protect homeowners who are flooded when canal

banks burst after becoming overburdened with water.

The spokesman also denies these charges, claiming that the flooding is caused by runoff from the Camelback Mountain Water shed which would not normally flow down Indian Bend Wash under any circumstances.

Other critics claim that the SRP has not been reasonable in expecting that flood control gates installed when the Project was built in 1912, at the canal's intersection with the wash, can handle the overflow in the canal today.

The SRP spokesman said that this is an unreasonable charge because the Salt River Water Users Association project originally was built to protect the Valley from excess floodwaters which are stored behind SRP dams along the upper Salt and Verde Rivers.

Other critics claim that SRP officials have taken little action even though they have had

repeated warnings that additional floods would occur if corrective action was not taken.

The SRP spokesman claims that the SRP continually has cooperated with Scottsdale and other Valley cities in making efforts to curtail the danger of flooding.

City officials also claim the Maricopa County Flood Control District has been charged with the responsibility of providing flood control for the county, but has done little toward providing funds to solve flooding problems of individual cities.

The critics claim that most of the \$500,000 collected by district taxation each year is spent for administration purposes and continuing studies that do little to ease flood control problems.

Col. John Lowry, flood control district manager, said the county has built dams in Pinal County and those dams protect far-

mland in Maricopa County and facilities at Williams Air Force Base and testing grounds in that vicinity.

Lowry blames the lack of district action on the fact that five years ago county voters turned down a \$23 million bond issue which he claims should have been passed to supply funds for the flood control projects in the county.

More than 300 homeowners in the Mohave School area have filed a \$2½ million damage suit against the SRP claiming that agency was negligent in not providing protection for the homes which were flooded when canals overflowed in 1970.

City officials and engineers from SRP are expected to meet in future weeks to work out differences they may have on best ways to provide flood control in Indian Bend Wash.

Resident doubts if flood problems are being solved

A Scottsdale mother of five children and wife of a disabled husband said today she has grave doubts as to whether anything really is being done to solve flood control problems in Scottsdale.

Mrs. Allan T. Kneale, 7022 E. Paradise Drive, said she is not well-enough informed to place the blame for the flood control situation in Scottsdale, but she becomes more disgusted every time flood waters threaten her home.

"I keep reading news stories that city officials, members of the county flood control district, and persons from other governmental agencies are talking about doing something for flood victims, but I believe it is all talk and little action," she said. "Each time it rains the flooding is worse around my home."

She said that 15 years ago she and her husband built their home on 2½ acres between Paradise Drive and Cactus Road.

"We built an excellent house on a raised foundation," she said. "We were especially careful to build away from a wash, and no run-off water had ever bothered us."

But as the city of Phoenix allowed the construction of subdivisions "containing roads aimed directly at our house," things changed for the Kneale family.

"After the storm of August, 1971, we complained to the City of Scottsdale and several months later they (the city) built

a two-foot dike all across the back of our property," she said. "On Wednesday, June 21, 1972, the earth dike was easily swept away."

She said that on the following day water ripped through the Kneale property making it look like a "dry river bed."

Mrs. Kneale said most Scottsdale residents do not realize the terror experienced as flood waters rush toward the front doors of their homes.

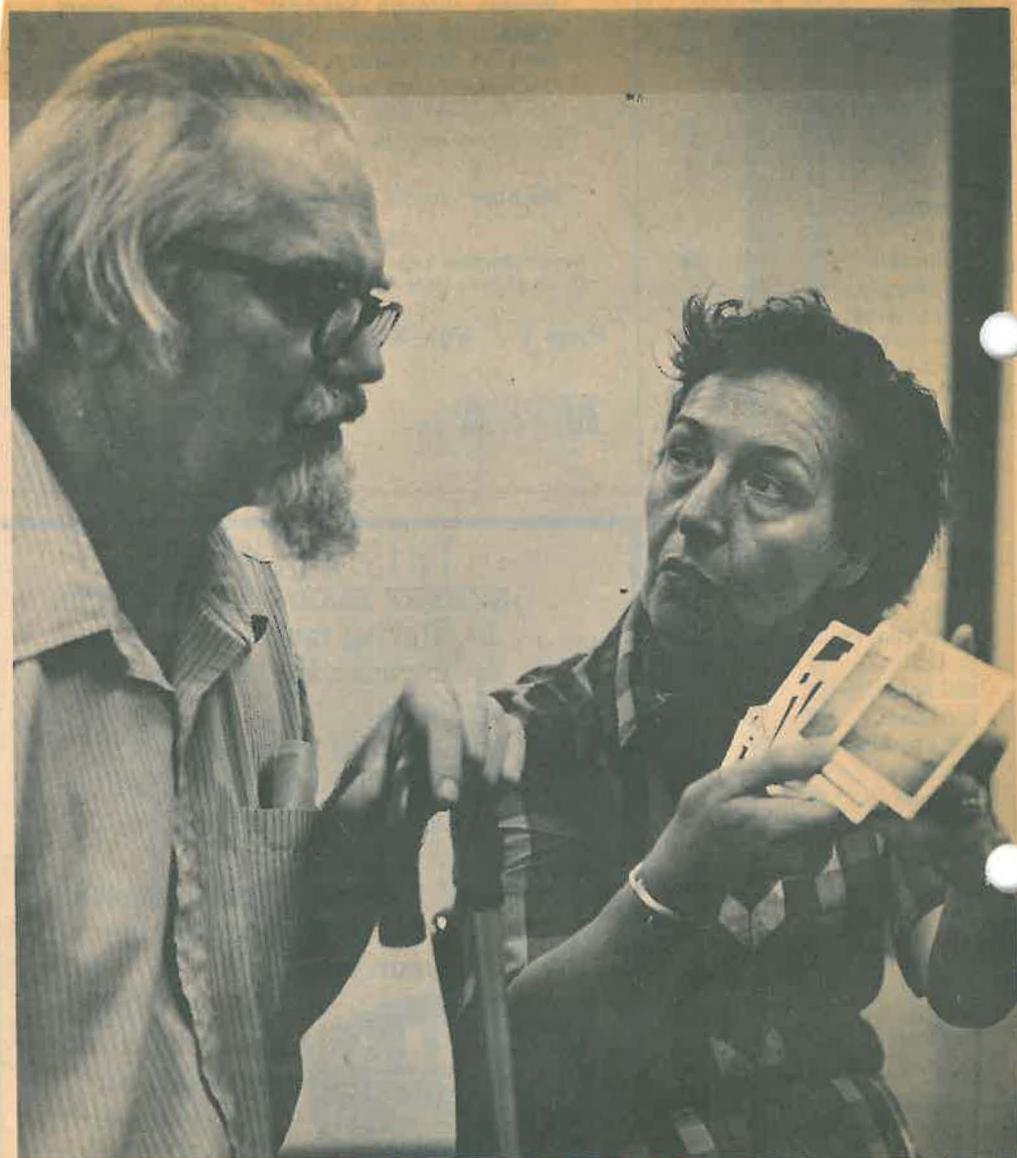
"If they did they would all insist that something be done, and done now, about solving the flood problems here," she added.

She said her husband, Allan, is a veteran of the U.S. Army and the RAF and last December suffered a stroke which left him paralyzed in the right arm and right leg and caused partial loss of speech.

She said that on June 23 she had to take her husband to the hospital because of the nerve-wracking experiences he suffered during the flooding period.

She claims that victims of flooding should recruit friends in all parts of the Valley and keep pressure on city hall and other public agencies until something is done to correct the situation.

"I'm getting tired of those public agencies passing the buck while the flooding problem gets worse each and every rainstorm," she said. "Let's convince them to quit talking and get something done before many of us lose all of our properties."



Mrs. Allan T. Kneale is one Scottsdale resident who thinks flood control is essential in the city. She and her husband look at before and after pictures of their property showing previous flood damage.

8/12 Scottsdale Daily Progress

8/12 Gazette

Dreamy Draw Construction Set After Bid Opening

An apparent low bid of \$388,870 appears to insure the completion of Dreamy Draw flood control dam by next summer, Col. John C. Lowry, general manager of the Maricopa County Flood Control District, indicated today.

The bid of the low-bidding Ducon Inc., Harn and Sloan of Baldwin Park, Calif., was among several opened Thursday by the Corps of Engineers in Los Angeles.

Considering that that firm headed by James Harn, submitted a bid only 3.5 per cent more than the dam's \$375,490 estimated cost, it was exceptional, Lowry said.

The contract to build this first of three long-talked-of flood control projects to protect north Phoenix is to be awarded within 30 days. Completion of the earthen structure is scheduled for sometime next spring.

Dreamy Draw dam, officially designated a detention basin, to be built just south of Shea Boulevard, about a mile east of 16th Street, on property owned by the city of Phoenix and the U.S. Bureau of Land Management.

Included are a levee on its west side and a spillway and outlet pipe to gradually release impounded floor waters into a Salt River Project canal.

The two companion flood control projects are Cave Buttes dam on Cave Creek and the Union Hills diversion canal, the dam the first to be constructed.

Lowry described Cave Buttes dam as being about a year and a half behind Dreamy Draw in schedule.

While the Salt River Project has ~~agreed to~~ take water released from Dreamy Draw dam for the time being, that water as well as that to be impounded by Cave Buttes

dam is ultimately to be conveyed to Skunk Creek then south to the Gila River by the Union Hills diversion channel.

The channel will parallel Union Hills Drive.

Among other bids were those of the J.W.J. Construction Co. of Phoenix, \$486,460, and the Hunter Construction Co. of Coolidge, \$702,200.

The earthfilled dam will, according to Fred Glending, deputy city manager for operations, be 480 feet in length and extensively landscaped desert-wise.

Until control project done

\$3 million yearly flooding predicted

By JACK KARIE
Progress Staff Writer

Flood damage averaging up to \$3 million a year will continue to plague Scottsdale until action is taken to implement a four-phase flood control program costing a total \$12.5 million.

That statement was made last night by Public Works Director Marc Stragier to city council members who seemed to agree that the flood control program should be given top priority.

Stragier said the reduction of flooding hazards is perhaps the most important advantage of the program worked up by his staff.

"Recent storms resulted in flooding which caused upwards of \$7 million in damage," he told the council.

"Had the projects recommended in this plan been completed, the damage would have been limited to the Indian Bend Wash area and would have amounted to less than five per cent of the flooding that occurred," he said.

"No homes or businesses would have been flooded. Unless, and until, improvements are constructed flooding damages of \$2 million to \$3 million will continue to occur in Scottsdale each and every year on the average."

After Stragier spent more than an hour with charts and maps explaining the four-phase project, council members were noncommittal. Developer Dick Searles complimented Stragier and his staff, however.

"This is the first real effort I've seen

in years made to solve flooding problems in Scottsdale," Searles told the council. "If we wait for the U.S. Corps of Engineers we may have to wait 10 years."

Searles referred to the corps' possible expenditure of \$4½ million for construction work in the wash after the city acquires rights-of-way.

Mayor Bud Tims seemed to doubt that the federal engineers would agree to the city's greenbelt concept in developing the wash when he asked: "What if the corps decides the cement channel is the only feasible plan?"

"We'll probably have to go it alone," Stragier answered.

"If we had all the money we needed how long would it take to get the job

done?" City Councilman Herb Drinkwater asked.

Stragier said that if all necessary funds were made available immediately, the work would take about 18 months to complete.

Otherwise, he said, with cooperation of the corps and Maricopa County Flood Control District the work would be stretched out over a period of more than five years.

He said the first phase, including the widening of the wasteway south of the Arizona Canal, could be started immediately using funds already budgeted for flood control projects.

Stragier said the second phase, including installation of storm drain systems north of the canal, probably

could be started in 1973 if funds were made available.

He said that phase three, including acquisition of land for drainage south of the canal and bridge and culvert construction under east-west arterials, probably could be started in 1975.

Stragier estimated it would take until 1977 before work could be started on phase four which would include construction of the actual channel in the wash and major crossings across the wash.

The public works director urged the council not to change its decision on the greenbelt concept claiming it "is going to be a community asset which will benefit every Scottsdale citizen."

Assistant City Manager Paul Davis said council members and city staffers have slated a number of meetings with the Scottsdale Chamber of Commerce, other public agencies, and civic leaders to feel the pulse of the community on the best means of financing the program in which the city's share is estimated at more than \$7 million.

It is the general feeling that council members probably will ask voters to approve a \$7 million bond issue.

Council members seem divided on whether to raise the money to repay the bonds by increasing sales taxes, increasing property taxes, imposing taxes on real estate transactions, or imposing a gross tax on professional services.

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8/15 Progress

8/12 Progress

The Mailbag

More on flood funding issue

Sir:

I would take exception to a portion of the story which appeared on the front page of the August 7, 1972 issue of the Progress.

In the story relating to Vice-Mayor Drinkwater's ideas on the legalization of bingo games as a method of paying for the necessary flood control measures, your reporter stated that "they (the City Council) have been hard put in coming up with a better idea on how to raise an estimated \$500,000 annually to finance a \$7 million bond

issue..."

The question of whether or not bingo is a "better idea" is certainly a subjective judgement (that might be best explored on your editorial page). The City Council is certainly studying the various alternative forms of raising the required funds, for example a tax on liquor and tobacco, a gross receipts tax, and others, to raise the necessary revenue.

Until such time as we have finished our consultations with the other involved agencies to determine exactly how much

the city itself must raise and when, we will not be able to specify the route by which the revenue is to be levied. The Council is considering several avenues of approach to the problem, and will have a proposal to present to the citizens of our community in the near future.

Some of us on the Council have been wrestling with this complex problem for over five years, and anticipate that some very difficult decisions will have to be made by both the Council and the community.

BILL JENKINS

8/14 SCOTSDALE PROGRESS

Move on to oust area flood chief

By JACK KARIE
Progress Staff Writer

A movement was taking shape today to oust Col. John Lowry as head of the Maricopa County Flood Control District, informed sources told the Progress.

It was reported that the pressure will come from some members of the flood control district advisory board to replace Lowry with a younger man in order to expedite high priority flood projects which include work in Scottsdale's Indian Bend Wash.

Lowry's critics say that he has failed to furnish leadership in providing flood relief in the top priority areas and has earmarked county flood control district funds for rights of way for flood projects

where no immediate emergency exists.

Lowry said today that he has made tentative plans to retire next June.

"I've worked long enough and deserve a little rest," he said.

Lowry retired from the U.S. Corps of Engineers before coming to Maricopa County eight years ago, shortly after the state legislature passed laws allowing counties to form flood control districts.

Lowry contends his job would have been made much easier if county taxpayers would have approved a \$23 million bond issue for flood control projects in 1964. The proposal was voted down by more than three to one.

Unconfirmed reports have it

that some members of the board of supervisors have not been fully satisfied with action taken by the flood control district recently and have asked one of their staff members to make a complete appraisal and report back to them.

There are some who contend Lowry is being made the scapegoat because officials of other governmental agencies failed to pursue programs in their areas of responsibility which Lowry proposed in past years.

They said the clamor for his ouster comes at a time when public pressure is being exerted on the respective agencies by flood victims in Scottsdale, North Phoenix and Paradise Valley.

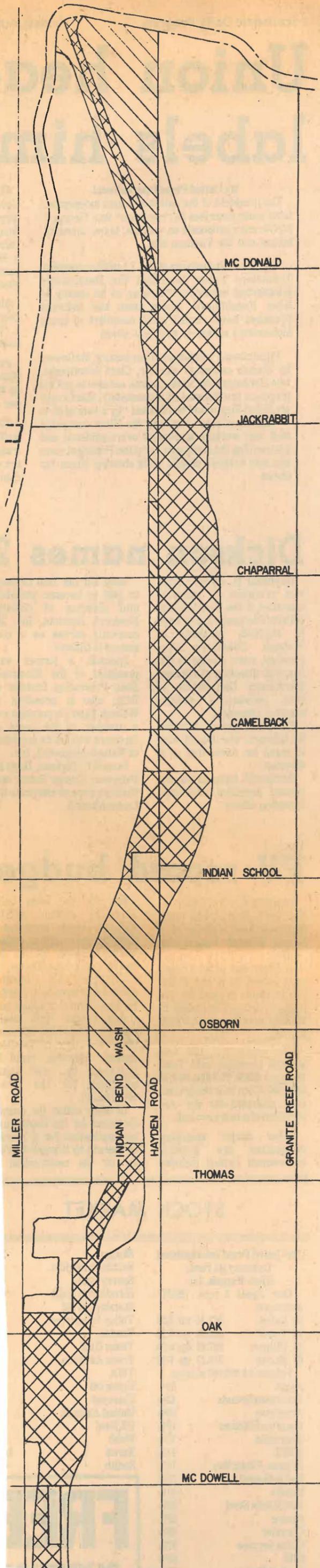
Dike Slated for Scottsdale

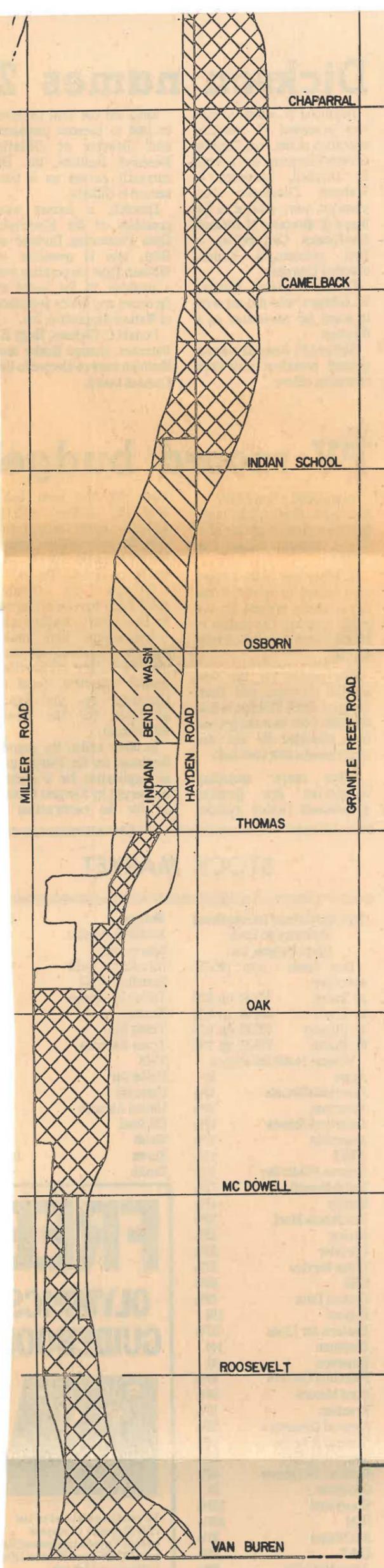
SCOTTSDALE (AP)—A massive earthen dike designed to help control flooding may be completed in north Scottsdale by 1976, city officials said Monday.

City Manager Dale Carter said the dike, part of the Central Arizona Project, will be about 20 feet high and run about 10 miles.

He said the dike would be designed to protect the CAP canal carrying water from the Colorado River. But Carter said it would also cut off runoff water which floods Scottsdale from the north.

8/14 MESA TRIBUNE





-  EASEMENTS UNDER NEGOTIATION
-  EASEMENTS CITY HAS

SALT RIVER PROJECT officials claim that the city will have to acquire necessary rights-of-way for channelization of Indian Bend Wash before a siphon is built to funnel Arizona Canal Water under the wash. The SRP officials contend that excessive flooding will be caused south of the canal if the siphon is constructed. Map shows easements acquired by city (cross-hatched areas), and under negotiation (diagonal lines) and areas not now planned for acquisition (unshaded areas).

8/14 5:30L Progress

Council to receive flood program report

The city council tonight will get a report on the city's four-phase \$12.5 million flood control program and discuss means of financing the city's share of the entire package.

For the past several weeks, City Public Works Director Marc Stragier and his staff have been working to develop revised plans on programs designed to provide flood protection throughout the city.

If the council approves the plans as presented, Stragier and council members will meet with civic leaders in an attempt to convince them that finding a means of financing the city's \$7 million share of the program should be given top priority.

Mayor Bud Tims said the council believes that any plans to present a \$7 million bond issue to taxpayers should be discussed with civic leaders before a firm decision is made by the council.

It is reported the council is not in full accord on whether to increase in the city's sales taxes, impose a fee on real estate transactions, set a gross tax on professional services, increase the property tax, or impose a luxury tax on cigarettes and liquor to raise the necessary \$7 million.

City staffers have prepared maps and charts which will be included in a final report if their proposals are approved by council members. The maps and charts include data

on both financing and actual construction of the proposed projects which include a green belt concept of channelization in Indian Bend Wash and construction of storm drains in other sections of the city.

The council also will discuss proposals to build and operate a \$3½ million Performing Arts Center in the downtown redevelopment area. Western Consultants Management Inc. has informed the council there is need for such a center with a seating capacity of up to 800 persons.

In other matters tonight, the public works director will ask the council for guidance regarding county residents who wish to hook up to city sewers. Stragier said Ray M. Whalin of 6215 N. 74th St. has agreed to pay a connection fee of \$1,639 for a city sewer hook up at his new home. Previously the city has approved such hookups in Paradise Valley, in Phoenix, and on the Salt River Indian Reservation.

Members of the city planning staff will inform the council on preliminary plans for the landscaping and tentative plan for construction and layout of the downtown mall in the redevelopment area.

Planning Director Bill Walton said his staff is working on designs and a consulting landscape architect probably will be hired to implement the design with working drawings and actual specifications.

East county floodway project in sight

By WILLIAM F. NESBIT

Construction should begin next year on the first segment of a planned floodway to parallel the Roosevelt Water Conservation District canal to protect eastern Maricopa County, a Soil Conservation Service official said yesterday.

Dennie Burns, SCS river basin and watershed planning staff leader, said that a major obstacle delaying the project was removed Friday with State Highway Commission agreement to construct two bridges in the project area.

The bridges, to span Arizona 87 just north of Santan and Arizona 93 just north of Interstate 10, are needed to allow for floodwater drainage, he said.

The floodway will parallel the conservation district canal on the eastern side and run for 25 miles from Brown Road in Mesa to empty into the Gila River. It will be constructed in three stages and is designed to protect high density population areas as part of a total project covering a 759-square mile area in eastern Maricopa and western Pinal counties.

"The highway department's agreement to complete the bridges assures that the first segment (from the Gila River to the northern edge of the Gila Indian Reservation) will be completed," Burns said. "Within a year we will have the engineering contracts and drawings and be ready to advertise for a contract."

Burns said that Gila Indian officials have supported the project since planning began in 1958 and have dedicated property for first stage construction.

Reservation land designated flood plains would be reclaimed, he said.

The floodway is part of a three-pronged project including a Mesa-Buckhorn segment (involving construction of four dams to drain waters into the Salt River) and a line of four dams to run along the proposed Central Arizona Project canal.

The total SCS project, carried out in cooperation with the Maricopa County Flood Control District and the Eastern Maricopa County Natural Resources Commission, and others, involves \$17.4 million, according to Burns.

Burns said that the floodway itself will be built in

three segments: from the Gila River to the northern boundary of the reservation; from the reservation to Williams Air Force Base; and from the base to Brown Road. Construction on the first phase will begin in 1973 with the second hopefully coming in 1974 and the third in 1975, he said.

Initiation of work on the second and third segments is "entirely dependent on what the county supervisors do in committing money," Burns said. "There are several county bridges and a lot of right-of-way that has to be acquired before we could start that."

The SCS has obtained a federal appropriation totaling about \$9 million for the total project, Burns said. These funds, however, can only be used in actual construction. About \$7.4 million in funding for the purchase of right-of-way, maintenance, relocation of bridges and homes must come from local sources.

The date the county has

given only a tentative OK to the expenditure of \$330,000 for right-of-way purchase and other local responsibility work on the first stage of the floodway.

State engineer Williams Price added yesterday that his office will begin bridge design "as soon as we can get

the necessary information from the Soil Conservation Service. We will not start construction until they start on the floodway construction," he said.

Price said that the cost of constructing the two bridges would be approximately \$500,000.

8/15 REPUBLIC

Scottsdale given plan for floods

SCOTTSDALE — A revised, four-phase, \$15-million flood control plan for Scottsdale was presented last night at a City Council session by Public Works Director Mare Stragier.

Councilmen will discuss the plan further at today's 8 p.m. council meeting in city hall.

Stragier put the minimum cost of the project at \$12.5 million, but said administrative costs would boost the price tag. The city would have to pay about half the cost if it accepted federal and Maricopa County Flood District funds.

Stragier said the city could complete the project in about 1½ years.

Cooperation with the flood district and the U.S. Corps of Engineers would probably extend the project until 1976, he said.

Highlights of the project, Stragier said, would be:

—Phase I: The wasteway in Indian Bend Wash south of the Arizona Canal would be widened; the floodgates in the canal would be made operational; the southern bank of the canal would be lowered so waters would spill over into the wash rather than on residential property; a 3-foot embankment would be built along 78th Street between Indian School and Thomas to protect homes to the west; channels in the wash north of the canal would be widened.

—Phase II: Land for drainage would be acquired north of the canal from the wash to Pima Road, and within the wash south of the canal; a storm drain would be placed near McDowell from 68th Place to Scottsdale Road; channels and culverts would be constructed along 87th Street from Palm Lane to McKellips Road.

—Phase III: rights-of-way would be acquired south of the canal; "low flow channels" (some type of bridge-and-culvert construction) would be built across the wash at Thomas, McKellips and just north of the Salt River; a siphon for the canal would be built in the wash.

—Phase IV: an extensive storm drain system would be installed; major road crossings at the wash would be reconstructed.

1st in a series

Flood project 1st phase: 'most for least'

By JACK KARIE
Progress Staff Writer

The purpose of phase one of the city's proposed flood control program is to provide the most protection for the least cost in the shortest time possible, city officials say.

This first phase will cost about \$500,000 and protection for more than 1,000 homes which were flooded during the June 22 and 23 storms, according to Public Works Director Marc Stragier.

"Had the work in phase one been completed, only a handful of these homes would have been flooded in that storm," Stragier said. "The various projects in this phase are designed to bring the Indian Bend floodwater under control and to protect properties which have been flooded previously."

Stragier claims that more than 700 of the homes can be protected by getting Indian Bend Wash flood water across the Arizona Canal. He said the canal now fills up with water and forms a dam across the wash.

"Runoff water coming down the wash from Phoenix and Paradise Valley backs up behind the canal, fills it, and then overflows into the downstream section of the wash," Stragier said.

The first project of phase one calls for the widening of the small channel in the wash south of the canal to increase its capacity to at least 6,000 cubic feet per second.

He said the increased channel capacity will receive additional water from new floodway gates, installed in a joint project with the Maricopa County Flood Control District, when the channel capacity is enlarged.

Since 6,000 cubic feet per second will be available in the widened channel, other work has to be done to take care of storms such as those last June which produced a 20,000 cubic-foot-per-second flow.

The city hopes to get the cooperation of the Salt River Project in acquiring dairy property just downstream from the canal to handle the projected overflow.

"We hope to persuade SRP officials to work with us in lowering the canal bank, adjoining the property, and to permit us to evacuate a channel in the bank during a storm or otherwise to increase the rate of discharge so we can get the whole 30,000 cubic-foot-per second discharge through the canal without it overflowing," Stragier said. "Once we can keep water in the wash, and we can reduce the amount of water that flows down the Arizona Canal, we can prevent such flooding as occurred in June," Stragier said.

He said that additional protection planned in the first phase will include building a berm along the wash where homes and other endangered improvements now exist.

Stragier contends that this part of the program will provide protection for about 150 homes along the wash adjoining 78th Street between Indian School and Thomas.

He said that another 150 homes along the north side of the Arizona Canal, between 64th

and 70th Street, will be protected by improving an existing channel in an alley there. He said the project will be undertaken with Phoenix to lower and channel the alley to form a drain to dump water into a waste way leading from the canal to the Salt River.

Phase one also will include several projects aimed at reducing traffic interruptions on east-west arterials. It makes provisions for the construction of low-flow culverts at Scottsdale Road, McDonald Drive and Thomas Road.

"These culverts will keep the streets open and dry except for short periods during major flooding," Stragier said.

Phase one also will include channeling of drainage ditches in the built-up area north of Shea which will protect homes in the area of 64th and 66th Streets and Shea. Stragier said the excavated channels will confine flood water and keep it away from homes.

NEXT: Phase Two.

8/16 Progress

City requires flood measures

City Council members last night demanded assurance that flood control measures were adequate before they approved an 80-acre plat for Desert Hills North at 84th Street and Cactus Road.

Officials of Sudbeck Engineering Co. assured the council that flood protection measures have been included in the plans for the development of the subdivision on 35,000 square-foot-lots.

The engineers said subdivision streets have been designed to carry flood waters through the project and drainage plans have been made to the south of the property for dumping floodwaters into channels leading to Indian Bend Wash.

The council voted unanimously to amend an ordinance incorporating Industrial 2 (I-2) zoning into Industrial 1 over the objections of attorney Jarret Jarvis.

Jarvis claimed the zoning would decrease the value of property south of Van Buren in Indian Bend Wash in which he has an interest. He claimed that this property was the only land zoned I-2 in the city of Scottsdale.

In other action the council:

APPROVED an expenditure of \$7,700 for a contract with consultant Douglas Richards for a performing arts programming study which could lead to outside funding for the construction of a \$3.5 million auditorium in the downtown development area.

8/16 Progress

The Mailbag 8/17 Progress Flood insurance recommended

Sir:

A by-product of our recent storms is the instant wisdom that flood control measures must be put into effect, yet more than any individual, group or even nature itself, time is the villain here.

However, there is one measure all of us can put into effect immediately and I feel it's essential to emphasize it here. The "now" solution to avoid the financial disaster of flooding is flood insurance. The insurance has been available for some years and has gone virtually unused. Why? It's cost isn't prohibitive (at approximately 30 cents per \$100 valuation).

Flood controls will come.

Many fine people are working very hard to assure us of this. In the interim those affected should employ this simple safeguard so monetary suffering doesn't accompany the clean-up headaches these storms cause.

JAY RYAN
Phoenix

RIGHTS-OF-WAY TO BE ACQUIRED

Flood Control Spending Planned

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Draw Dam, the Guadalupe Project (to protect that community and surrounding farmlands) and the Buckeye watershed project upstream from Interstate 10 to the foot of the White Tank Mountains. The mountains will provide the runoff.

8/18 Progress County manager defends Lowry

County Manager Charles W. Miller said today that none of the three county supervisors have sought or even encouraged the early retirement of Col. John C. Lowry, chief engineer of the Maricopa County Flood Control District.

Miller made the statement in response to an article earlier this week in the Progress which indicated two members of the district's advisory board were unhappy with Lowry's work.

Speaking for the supervisors, Miller said:

"Colonel Lowry has done a good job for us and we want him as long as he will stay.

"Some months ago Col. Lowry told us of plans for his retirement but it was a totally voluntary gesture on his part and he was not pressured in any way to make this decision.

"In reference to a statement in the news article that Col. Lowry had diverted flood control revenues to projects of lesser importance, I want to point out that Col. Lowry is an appointed official and therefore only makes recommendations concerning flood control expenditures."

Miller said the chairman of the advisory board, William P. Schrader of Scottsdale, and a former chairman, Hugh Nichols, have given support to Lowry and said that no members of the board have encouraged his early retirement.

LINE SOURCE IS OVER
8/17 Progress

2nd in a series

Flood Phase 2 to acquire land

By JACK KARIE
Progress Staff Writer

Phase Two of Scottsdale's Flood Control Program will cost approximately \$1 million with the city footing about half of the bill, according to City Manager Dale Carter.

Most important project in this second phase, Carter said, is the acquisition of rights of way in Indian Bend Wash and the construction of large open channels north of Shea Boulevard.

Since Phase One is designed to provide immediate relief through projects with rights of way already available, Phase Two undertakes the bigger jobs of meeting qualifications for the work to be done by the U.S. Corps of Engineers.

Carter explained:

"In order to qualify a watershed area for work by the corps, local interests must meet four prerequisites.

"They must provide needed rights of way, relocate utilities, construct necessary roads and bridges, and agree to maintain the finished works.

"Scottsdale must obtain the needed rights of way before the corps will expend federal funds for the major works that are needed.

"We hope that the Maricopa County Flood Control District will be able to assist with rights of way acquisitions in Phase Two in order for us to proceed on schedule."

Carter said Phase Two will be aided by the completion of a five-year capital improvement program which will cover flood control programs in Scottsdale and other parts of the Valley.

The city manager said he hopes the county flood control district will provide up to \$200,000 for rights-of-way acquisition during the second phase to be started in 1973.

"Those moneys will supplement the \$1 million that we estimate the city eventually will pay for the rights-of-way plus some additional storm drainage," Carter said.

He said channelization in the area north of Shea Boulevard is an important part of Phase Two. He said the channels will take water that flows through developed areas and carry it down into or beside some major streets that are now being redesigned to carry flood waters.

"We are doing an engineering study to determine what will do the best job," Carter said. "We believe that channels along 64th Street, Hayden and Pima should be constructed."

During Phase Two, Carter said, the city expects to complete acquisition of the land in the wash and probably will purchase rights-of-way south of McKellips in Tempe so that a small channel can be constructed.

He said the Tempe channel will be designed to increase the capacity in the wash and will permit Scottsdale to divert water into the wash from 86th Street, from west of the Cross Cut Canal, and from other areas in the city which do not naturally drain into it.

Phase Two will include the extension of the drain that serves the Los Arcos Shopping Center area west along McDowell and will be designed to drain the area west of the Crosscut Canal.

"That drain should relieve the area around 66th and Palm Lane from flooding," Carter said.

The second phase will include the improvement of the wash channel, enlargement of the culvert at McDowell and otherwise provide for relief from flooding in the area around 87th Street and Granada Road by enlarging the drain there south to McKellips, he said.

Carter said that if Phase Two works as planned the city will be able to start construction early on the storm sewers planned in all parts of the city in Phase Three.

NEXT: Phase Three:

Last in a series

Scottsdale
8-19-72

4th phase flood work to cost \$6.5 million

Phase Four of the city's flood control program has a hefty price tag of almost \$6.5 million.

The final phase will take care of the construction of storm sewers, several more culverts on arterial streets, and storm drains throughout the city.

Public Works Director Marc Stragier and his assistant Dan Raby report on Phase Four:

"We hope to persuade the Maricopa County Flood Control District to expend \$350,000 for construction of the culverts which will be needed on major streets. Since Phase One is designed to take care of Scottsdale Road, McDonald Drive, and Thomas Road, the crossings to be reconstructed in this phase include Chaparral, Camelback, Indian School, McDowell and McKellips.

"We propose that part of the \$5,865,000 spent by the city in this phase will be used to build storm sewers. These will include feeder lines to deliver water to main trunk lines.

"The trunk lines will follow the major streets and will carry waters from the edge of the city into the Indian Bend Wash. Each of these lines will terminate in a lake or in a small ditch in the wash which will carry off the nuisance water.

"Along the west side of the wash, trunk sewers will be constructed to extend across the Arizona and Cross Cut Canals to pick up storm waters which back up behind these water courses.

"Other trunks will be constructed along McDonald, Chaparral, Camelback, Second Street, Earll Drive, and Oak Street, on the West Side of Scottsdale. These trunk lines will bring water from the ridge line that runs roughly between Camelback Mountain and the Papago Buttes over into the wash.

"On the east side trunks will be constructed to about Pima

along McDonald, Chaparral, Camelback, and Indian School. A major drain will be installed along 87th Street, south of Thomas Road, to carry storm waters into the Salt River.

"Completion of Phase Four will do much to provide flood protection for the whole of Scottsdale and nearby communities. It will represent the co-operative efforts of many agencies in the total flood control effort."

Stragier claims that when Phase Four is completed Scottsdale will be protected against flooding which could otherwise occur on an annual basis with the yearly losses running close to \$3 million each year.

"And the completed project will give the community an open space green belt filled

with recreation facilities for everyone in Scottsdale to enjoy," he added. "The completed projects will provide means of disposing of nuisance water, reduce the payments of flood insurance, and assure that traffic arterials remain open even during the worst storms."

Stragier and Raby estimated the four phases will take about five or six years to complete with most urgent projects finished first.

They estimated the cost at about \$12.5 million with the city expected to pay about three-fourths of that total. The balance is expected to come from the U.S. Corps of Engineers, Maricopa County Flood Control District, and some participation by the Salt River Water Users Association.

3rd in a series

8/18 Progress

Cooperation needed for flood Phase 3

By JACK KARIE
Progress Staff Writer

Phase Three of the city's flood control program proposes a \$680,000 expenditure by the Maricopa County Flood Control District and \$1,450,000 in funding by the U.S. Corps of Engineers.

City Manager Dale Carter said he hopes the flood control district will pay the cost of acquiring more than \$250,000 worth of rights-of-way, not already obtained in Phases One and Two, in Indian Bend Wash and supply nearly \$500,000 to acquire rights-of-way in the city of Tempe in the southern section of the wash.

"The city expects the U.S. Corps of Engineers to construct the major works, including completion of the low flow channel in the wash, construction of special energy dissipators, reconstruction of some sections of the present recreational areas, turfing, paving and construction of a 800-foot-long siphon under the wash for the waters of the Arizona Canal," Carter said.

"We also hope the corps will construct all of the associated controls, excavate large portions of the proposed channel along the north side of the Arizona Canal and build major drains along Chaparral and Camelback Roads to receive water from above the canal."

Carter said it is estimated the initial work by the corps will cost more than \$1.5 million and will have to be authorized by Congress before it is designed and constructed.

Corps engineers representatives will meet next week with city officials to make a final determination on the city's proposal for a green belt channel for drainage in the wash as opposed to the initial recommendation of corps engineers that a cement-lined channel should have been constructed there.

Carter said that as work is being completed on Phase Three, the city expects a major reduction in hazard to wash through construction of the Granite

Reef Aqueduct by the Central Arizona Project.

"That major facility will include a large upstream dike or levee that will collect the drainage from land to the north and the McDowell Mountains," Carter said. "This dike will intercept runoff, store it, and allow it to drain slowly into the CAP canal for reuse as irrigation water."

Carter claims that with the resulting one-third of the watershed cutoff from Indian Bend Wash, the city will receive a much higher level of flood protection from the wash itself.

"The wash channel will then be capable of handling a 100-year storm instead of being limited to handling of a 50-year storm," Carter said.

He added that while the city is awaiting the corps work in the wash to be completed, work can be started on the city's proposed system of storm sewers which will be included as part of the work in Phase Four.

NEXT: Phase Four.

Multiple listers told of flood plan benefits

Members of the Multiple Listing Service of the Scottsdale Real Estate Board were told today it will mean "money in their pockets" when the city completes its four-phase flood control program.

City Public Works Director Marc Stragier made the remark as he told 175 members of the services of the many benefits Scottsdale will receive from the construction of \$12.5 million worth of flood control projects.

Stragier told the real estate salesmen their profits undoubtedly would go up as property values in Scottsdale are increased because of good flood control measures being instituted throughout the city.

He explained the city's greenbelt concept for controlling floodwaters in Indian Bend Wash and told of plans for storm drains in most flood-prone areas.

"The greenbelt is an important part of the flood control and storm drainage plan," Stragier said. "It is a feature which contributes substantially to the value of property and the living style in the whole of Scottsdale."

Stragier said the greenbelt is a community asset important to everyone as it will be filled with recreation facilities and will enhance the values of surrounding properties.

"When all four phases are completed I am sure you will see a drastic drop in flood insurance costs," he added. "Instead of wasting resources on endless payments for protection, these same resources can be used for prevention."

Stragier added:

"The quality of life in the community is determined by the quality of public services — schools, crime suppression, fire prevention, transportation, as well as of climate, en-

vironment, convenience and other considerations.

"If we permit our public services to deteriorate by failure to prevent flood damage, we reduce the quality of life, the desirability and the value of property in the community as a whole."

Although Stragier did not go into financing the plan, he promised to return to a meeting in three weeks and outline ways the city could raise \$7 million as its contribution to the program with other funds coming from the Maricopa County Flood Control District, the U.S. Corps of Engineers and other interested agencies.

Stragier and other public officials currently are speaking to service clubs and other civic organizations attempting to get firm support for a proposed bond issue to fund the four-phase program.

8/21 Progress

Bingo is not the answer

Councilman Herb Drinkwater suggested that legalized bingo might be one way to raise money to pay for flood control. It may have been a facetious idea at first, but apparently some people are taking it seriously.

Bingo would be one way to raise money for the City of Scottsdale. Whether it is a realistic or moral source of funds is quite another matter.

Gambling is an activity enjoyed by many persons. Frequently those who lose money cannot afford it, and their families suffer as a result. Because of this

we do not think that it is moral for this or any other city to raise money from gambling.

As Councilman William Jenkins pointed out in a recent letter to the Progress, there are many other possible sources or revenue which can be used to pay for flood control.

Among those frequently mentioned are cigarette and liquor taxes, real estate transaction fees, hotel room taxes and special flood district levies. These are realistic possibilities, and perhaps others can be found. But city-sponsored bingo will not be good for the community, nor is it a sound way to raise revenue.

8/21
PROGRESS

Thursday, Aug. 17, 1972

Section Two, Pages 27-46

Flood Control Spending Mapped For North, Northwest Phoenix

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8/25 PROGRESS

SRP, flood unit overlap claimed

The Maricopa County Board of Supervisors has loaded the Maricopa County Flood Control Board with "those whose interests primarily coincide with those of the Salt River Project."

This claim was made today by Scottsdale resident Guy Stillman in a letter to J. Robert Stark, supervisors' chairman.

With the letter Stillman sent a list of the present advisory board including Reid Teeples, chief engineer for SRP; Lynn Anderson, Peoria cotton farmer and SRP shareholder; Wilber Weigold, vice chairman of the Buckeye Irrigation District; William P. Schrader, Scottsdale rancher and SRP director, and Jim Attebery, city engineer for Phoenix.

"One can only therefore assume that you (Board of Supervisors) either are indifferent or dominated by the special interests of the Salt River Project when it comes to flooding policy and priority," Stillman wrote.

In his letter Stillman told Stark that "The SRP has been reluctant to face up to urban flooding problems and participate in their solution." Stillman added, "In effect, a number of the Project's customers (and shareholders so to speak) have suffered flood damage due to avoidable breaks in the Project canals."

The letter continued:

"One only has to look at past emphasis

by the Flood Control District to realize that the political change in the Board of Supervisors has made no difference whatsoever nor has dented the board's indifference to urban flood problems.

"One of the board's large (approximately \$300,000) expenditures was for flood control works in Eastern Maricopa and adjoining Pinal County to protect agricultural lands from flood damage.

"Well over \$1 million has been collected by the Flood Control District (via the county-wide tax levy) and we have seen little result in the urban areas of Scottsdale or Phoenix.

"In October of 1970 petitions for a public hearing by the district directors on Scottsdale Flood Control problems was requested by over 1,200 signers.

"No response was ever received from you, supervisors, or directors of the Flood Control District."

Stillman's letter then charges that the county district is dominated by SRP.

"One way to counter this impression (if it is correct) would be to change the composition of your flood control Advisory Committee to include a 50-50 balance between urban and rural interests," Stillman ended his letter to Stark.

A Project spokesman said today that there is no connection between SRP and the Buckeye Irrigation District.

CHAS. D. ...
1881 ...
RT 2 BOX 1888
PHOENIX, ARIZONA

5009

FLOOD CONTROL DIST. OF
MARICOPA COUNTY
3325 W. DURANGO
PHOENIX, ARIZONA 85009

PV fears Scottsdale flood plan

By DENNIS CARROLL
Progress Staff Writer

PARADISE VALLEY — Proposals by the city of Scottsdale to eliminate flooding in the 64th Street-Shea Boulevard area may end up inundating sections of Paradise Valley, the town engineer told council members last night.

Todd Rockwell said that after looking briefly at Scottsdale's proposed plans for flood control, he was left with the feeling that Scottsdale is doing everything it can to make sure that Paradise Valley gets flooded.

"What it looks like they're doing is working on a plan to flood out Paradise Valley," Rockwell commented.

He said that Scottsdale officials apparently are not going to open new channels for water, but will increase the flow of water in the present channels.

Rockwell indicated, however, that he had not had time to make a complete study of Scottsdale's flood control alternatives and said he doubts officials will ignore the effects of the measures on Paradise Valley residents.

The council instructed Rockwell to make a complete study of any flood controls proposed by Scottsdale for the Shea Boulevard area and to report to the council at its next meeting, Sept. 14.

Following the council's directive to Rockwell, Mel Kowal, president of the Paradise Valley Homeowner's Association, accused council members of perpetually studying matters but never taking any concrete action to prevent flooding in the town.

"Basically I'm disappointed in the town's position on flood control," Kowal remarked. "Scottsdale is intending to dump

water in the town, period. They (residents) are building walls and dikes up there. If we think the flooding was bad last time, it's going to be worse the next time. A lot of people are going to get flooded out."

He accused the council and town administration of doing nothing to assure that Scottsdale's flood control plans would not be harmful to Paradise Valley. "Let's at least know that, it's coming," Kowal petitioned.

Councilman Stanley J. Kleban said he basically agreed with Kowal and called for a joint, possibly open session of the Paradise Valley and Scottsdale councils.

In a related matter, Councilwoman Barbara von Ammon suggested the town begin a flood ditch maintenance and construction program. Mrs. von Ammon recommended that old ditches be reconstructed and new ones built.

The council took the proposal under consideration.

Scottsdale *Daily* Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

SCOTTSDALE, ARIZONA, FRIDAY, AUGUST 25, 1972

Vol. XII, No. 163

35c Per Week — 10c Per Copy

By SRP

Effort to collect money is denied

Officials of the Salt River Project denied today that they had attempted to collect money from both the City of Scottsdale and the federal government for damage to the Arizona Canal during the June 22 flood.

City staffers and a nearby land owner used a bulldozer to make a break in the canal near McDonald Drive to protect nearby homes from being flooded.

The bill, sent to and paid by the city, listed a \$284.20 cost for labor; \$80 for material; \$91 for transportation; \$56.80 for supervision, and \$15 cost for administration.

After the billing was called to the attention of city officials by a reporter, the city started asking questions. Several hours after the actual copy of the bill was requested by the Progress, SRP officials ordered a refund of the entire amount.

The cost of repairing this particular part of the canal bank was not included in the request to the federal government, according to an SRP spokesman.

"The billing should never have been sent to the city," Bing Brown, press representative for SRP, said. He indicated that the Project's accounting department was overzealous in sending the bill and apparently the city paid it automatically without

protest.

He also said that if the \$527 repair cost was included in an overall request of \$105,000 for repair of SRP facilities damaged by flooding, filed Wednesday, that it would be eliminated from the request.

"We also will get together with the city to work this out," he said.

Asked if the Project would have taken these steps if a Progress reporter had not checked into payment, Brown replied that City Manager Dale Carter had told SRP about it "several days ago," and that it was being worked on.

City Councilman Paul Messinger told the Progress that he was told more than a week ago that the \$527 probably would be refunded to the city.

A copy of the bill obtained by the Progress shows that it was submitted to the city on July 26 and paid on Aug. 18. The amount was refunded late Thursday.

8/26 PROGRESS

Schrader and Tims confer

Mayor Bud Tims and ex-mayor Bill Schrader met for lunch Thursday and it was rumored they discussed measures to be used in completing the city's four-phase flood control program.

Schrader is chairman of the advisory committee of the Maricopa County Flood Control District and also serves as a director of the Salt River Project. He also owns a large farm in Indian Bend Wash which will be affected by flood control measures.

"We talked about our families, about fishing trips and a lot of other things," Tims answered when asked about their luncheon discussion.

Schrader could not be reached for comment.

8/26 PROGRESS

FLOOD CONTROL DIST. OF
MARICOPA COUNTY
3325 W. DURANGO
PHOENIX, ARIZONA 85009

8/28 Progress

For flood work

Mayor urges 1/4% sales tax

Mayor Bud Tims told members of the Scottsdale Multiple Listing Service today that he personally favors a one-fourth of one per cent sales tax increase to finance the city's share of a \$12.5 million Flood Control Program.

Tims, speaking before the Realtor group's breakfast meeting at the Holiday Inn, said such a tax would be the most equitable for Scottsdale residents.

"The increase would cost each local family \$18 a year, or a nickel a day for flood control and storm drains serving the entire city," Tims said.

The sales tax increase, which must be approved by local voters, would raise an estimated \$994,000 in its first year. "Projected business growth also would increase this sum by six per cent each year," Tims said.

"The city will collect an estimated \$3,750,000 in sales tax during the current fiscal year," Tims said, "and financial studies show that almost 50 per cent of Scottsdale's tax income is paid by residents of nearby areas and other visitors. Therefore, only about half of any sales tax increase would be paid by local residents," the mayor said.

"These nearby residents will share the benefits of our flood control program, and by use of the sales tax, they also can share in the cost. The effect on local merchants should be minimal and certainly not objectionable," the mayor said.

Tims said that the council is considering four other methods of financing the flood control program, for which the city is expected to provide \$7.5 million.

These methods include a property tax increase, a cigarette and liquor tax increase, gross receipts tax and a real estate transfer tax. "Whatever method of financing is chosen will not go into effect until July of 1973," the mayor said.

The City expects financial participation in the program from the U.S. Army Corps of Engineers and the Maricopa County Flood Control District.

Tims also noted that the council has not yet decided whether to hold a bond election in connection with the sales tax proposal or adopt a "pay-as-we-go" program of completion. "But whatever is decided," Tims said, "I believe the residents of this area can have an equitable method of paying the cost if they approve the one-fourth of one per cent sales tax increase."

'Siphon key to control of floods'

City officials were in general agreement today that the proposed four-phase city flood control program may hinge on a siphon being installed to take the Arizona Canal under Indian Bend Wash.

Although nobody wished to be quoted directly, the officials claim they are working with Salt River Project officials in an attempt to arrive at a means of financing the 800-foot-long siphon which would cost in excess of \$840,000.

A spokesman for the SRP said today that its engineers have studied the siphon proposal and believe that it is feasible, if downstream improvements are made in the wash.

"We (SRP) are not against the proposal, we only want to see it coordinated with work in the wash to remove any liability for increased flooding that might occur," press representative Bing Brown said.

He indicated that the Project believes that Scottsdale or the Army Corps of Engineers should come up with a plan for channel improvement to be coordinated with the siphon project.

SRP would participate in the cost of building the siphon, he added, and noted that its board of directors gave approval to continue with a study of the plan a month ago.

The city officials claim that when storm drains and ditches are installed in North Scottsdale these facilities will dump an increasing amount of water into the wash and that water will have to go downstream into the Salt River.

"But no matter who does the work, or who pays for that work, we will have to have the help and co-operation of the SRP in order to get the Arizona Canal out of the way of waters flowing in Indian Bend Wash," one official said.

The officials claim that if the siphon is not installed that water will continue to back up north of the canal, flooding homes in several areas of both Scottsdale and Phoenix.

8/23 PROGRESS

Corps may not buy city's plans for wash

By JACK KARIE

Progress Staff Writer

Officials of the U.S. Corps of Engineers today said they are not entirely convinced that Scottsdale's green belt concept of flood control in Indian Bend Wash is adequate to handle peak floods.

Col. Harry M. Roper of the Los Angeles District office of the corps said a meeting will be held with city officials the week of Aug. 21 to discuss a feasibility report which the corps has been working on for the past year.

"We are not entirely convinced that

the green belt concept will handle the flood waters," Col. Roper said. "But, also we are not 100 per cent convinced that it won't work."

Roper said he will await the results of the meeting with Scottsdale officials before submitting a final report.

It was in 1964 that the corps approved plans for a 180-foot-wide cement-lined channel south of the Arizona Canal in the wash and would have started construction but were stopped by city officials who ex-

pressed dislike for the plan.

About 11 months ago the corps agreed to make a restudy of the wash in an effort to combine a channel which would fit into the green belt concept favored by the city council.

The city already has developed parts of the wash under the green belt concept, including Eldorado and Vista del Camino Parks.

If the corps feasibility study is completed by the time of the meeting here, the city will be told what can be expected from the corps in financial help for construction, at an

estimated cost of \$5.5 million. If the plan is approved, the corps will build the channel and the city will acquire rights of way.

Mayor Bud Tims met recently with corps officials in Los Angeles to urge the federal engineers to expedite the feasibility study on so that the city can go ahead with other flood control programs.

City officials have been studying for weeks plans to raise \$7 million as its share of the overall \$12.5 million flood control program.

Scottsdale *Daily* Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

Vol. XII, No. 149

SCOTTSDALE, ARIZONA, WEDNESDAY, AUGUST 9, 1972

35c Per Week — 10c Per Copy

City steps up flood controls

By JACK KARIE
Progress Staff Writer

City officials today were continuing to stiffen demands for flood control measures by developers of subdivisions in an effort to alleviate flooding problems in North Scottsdale.

City Engineer George Ianella said that flood control criteria now imposed for developers along Indian Bend Wash is now being demanded before site plans are approved for subdivisions in North Scottsdale.

He said that all developers are being required to provide flood studies not only on their own properties but on adjacent properties in the same drainage area before site plans are approved.

Ianella said that in all cases the city will demand that subdividers provide drainage to meet demands of a 100-year storm and to handle waters of a depth generated by such a storm.

He said that in many cases the subdividers will have to provide plans for implementation of streets to handle sheet flow flooding and make sure foundations of residences are

raised above the height of flood waters generated by a 100-year storm.

Ianella said that in most cases an additional fill under residences of one foot to 18 inches is all that would be required to protect them from flooding. He estimated the cost for such work to be about \$150 for each residence.

He said that a city ordinance now provides that such drainage studies be a part of each and every subdivision procedure leading to the approval of site plans for actual construction.

Ianella said the city policy is for subdividers to provide storm drains and to design streets to handle runoff water generated by 10-year storms.

He explained that the 100-year storms, 50-year storms, and 10-year storms can be forecast from a compilation of historical data collected from weather stations over the past 100 years.

The engineer said that the data collected on 100-year storm provides data but does not preclude two such 100-year storms "happening in one year, one month, or even during a single week."

8/8 SCOTTSDALE DAILY PROGRESS

8/8 Scottsdale Daily Progress Dike bid support urged

It will be designed to protect the CAP aqueduct which will carry Colorado River Water to Orme Dam, expected to be completed in the early 1980s.

CAP officials said construction on the dike probably will be started in 1974 and not be completed until sometime in 1976.

Drinkwater theorizes that if the work schedule on the dike is pushed ahead it could save Scottsdale taxpayers millions of dollars because it would preclude the construction of many temporary projects designed to provide immediate relief for victims of flooding in North Scottsdale.

"Public opinion is a powerful weapon," Drinkwater said. "Let's use it."

Vice Mayor Herb Drinkwater today urged Scottsdale residents to write their Congressional delegates asking them to use their influence to expedite construction of a Central Arizona Project (CAP) dike.

When constructed, the dike is expected to solve about 50 per cent of Scottsdale's flood problems.

Drinkwater recommended that letters and telegrams be sent to U.S. Senators Paul Fannin and Barry Goldwater and to U.S. Representative John Rhodes.

The proposed earthen dike will be constructed across North Scottsdale from 40th Street east to Taliesin West in the area of 104th Street.

Flood dike to be built in Scottsdale

SCOTTSDALE —A massive earthen dike which will help control flooding may be completed in north Scottsdale by 1976, City Manager Dale Carter said yesterday.

The dike, part of the Central Arizona Project, will be approximately 20 feet high and will run about 10 miles from the base of the McDowell Mountains to 40th Street, Carter said.

The dike will be designed to protect a CAP canal carrying water from the Colorado River, but also will cut off runoff water which floods Scottsdale from the north, Carter said.

The U.S. Bureau of Reclamation has told Carter the dike will be started in March 1974 and should take two years to complete.

However, the Environmental Protection Agency must give its approval before work on the dike can begin. The EPA decision is due to come Sept. 1.

Construction of the dike will make it unnecessary to build three retention dams that previously were considered essential for flood control in north Scottsdale, Carter said.

8/30 Progress

SRP pledges flood assist

By JACK KARIE
Progress Staff Writer

Officials of the Salt River Project indicated Tuesday they are going to do everything within their power to help Scottsdale solve its flood control problems.

The officials, Henry Shipley, Project associate general manager in charge of water; Reid Teeples, Project chief engineer, and Don Weesner, SRP superintendent for construction and maintenance of waterways, made the indications after a two-hour tour of Indian Bend Wash, accompanied by city officials.

Public Works Director Marc Stragier said the Project officials showed real concern for the problems and offered their full cooperation.

Stragier said the project officials seemed pleased that the city had acquired more than

70 per cent of the easements necessary for rights-of-way for channelization of the wash south of the Arizona Canal.

He pointed out that the officials wanted to be assured that the Project would be freed of any liability for residents south of the Arizona Canal if and when the canal is siphoned under Indian Bend Wash to permit rain water to flow unimpeded by the canal.

Most engineers agree that the \$840,000 siphon is necessary for Scottsdale's four-phase flood control program to succeed.

Although the project officials could not be reached for comment, it was the general feeling among city officials that they were anxious to get work started on the siphon.

Stragier said they all showed interest in Scottsdale's program and agreed the flooding situation here should be rectified as soon as possible.

8/31 Progress

Flood study delayed

Vacationing officers of the Army Corps of Engineers today caused a delay in a meeting between city officials and the federal agency expected to participate in the flood control projects in Indian Bend Wash.

Both Public Works Director Marc Stragier and Mayor Bud Tims said they were told that some key personnel of the corps were away from their desks in Los Angeles but will return in about a week.

Officials from both agencies have agreed to meet and discuss the feasibility of a flood control project using the city's greenbelt concept in the wash.

In 1964 the federal engineers were ready to go ahead with a cement-lined channel in the wash but postponed the project when city officials objected in favor of the greenbelt concept.

9/17 Republic

Flood control called top need

A Republican candidate for nomination as county supervisor in District 2 yesterday criticized a proposed \$81.5 million bond program for not providing funds for flood control.

James F. Eveld described flood control as a top-priority project.

There are funds available for more county parks land and parking facilities, Eveld said, "but no where in the bond proposal are there funds allocated for the highest priority — flood control."

8/22 Progress

Outcry is urged for SRP flood cooperation

By JACK KARIE
Progress Staff Writer

Civic Leader Guy Stillman said today an "outcry of public indignation" should be raised by Scottsdale citizens to convince directors of Salt River Project a siphon should be constructed for the Arizona Canal under the Indian Bend Wash.

"Thousands of homes have been flooded in past years — many of their owners customers of SRP — and yet the SRP directors are sidestepping the building of the siphon," Stillman said.

Stillman suggested the possibility of getting proxies from residential shareholders in the Salt River Project

to elect their own directors of the Salt River Water Users Association in order to get the siphon "which is necessary for good flood protection in Scottsdale."

Stillman said that seven years ago he hired private engineers to make a study and that the firm told him the siphon is necessary. He said that most of the other engineers he has questioned come up with the same theory in that any flood control projects depend on getting waters of Indian Bend Wash past the Arizona Canal and into the Salt River.

He said that three years after getting results of the study from the firm of Yost and Gardner, he presented the County Board of Supervisors with a

petition containing 2,000 signatures demanding that a public hearing be held regarding the cause of flooding in Scottsdale.

He contended the hearing would have made public the fact that the siphon is needed to protect residences and businesses north of the canal from flooding.

Stillman said that the U.S. Corps of Engineers agreed with the findings of private engineers that the siphon is necessary.

He said that when the corps offered to build a cement-lined channel in the wash in 1964, there was \$775,000 ap-

propriated by the U.S. Congress for the construction of the siphon.

"If it was deemed necessary then, why isn't it deemed necessary now?" Stillman asked.

He said that for years the SRP officials resisted efforts to have persons holding less than an acre of land in the district from casting a vote in elections for water users offices.

"But, I understand that has been changed now and persons can band their holdings together in order to have a voice in the operation of both the association and the project," he added.

He claims the SRP directors are interested only in providing irrigation

water to farmers at the least possible cost.

"They haven't been interested in any project that will increase the price of that water," Stillman contended. "It will take a public outcry to convince them differently."

Stillman contends the SRP spends thousands of dollars each year for public relations and advertising to protect its image in the community.

"With all that pressure, what chance does the little guy have?" he asked. "The only way they can be heard is to band together and demand public hearings which will bring the cause of flooding

in Scottsdale out into the open."

Meanwhile it is understood that SRP officials studying the feasibility of building the siphon and adjacent floodgates at a cost exceeding \$840,000, but wants to be assured they will be freed of responsibility of flooding which may occur south of the Arizona Canal if the siphon is constructed.

"As a Quasi arm of the federal government the SRP is a municipal corporation which probably could get federal funding for the siphon if its officials made up their minds to take action," Stillman said. "It is up to the citizens of Scottsdale to urge them to do just that."

809 Progress

City pledges flood plan cooperation with PV

Scottsdale public works and engineering officials are attempting to assure Paradise Valley residents and town administrators that — at least in the area of flood control — one community's medicine, won't become its neighbor's poison.

"Any of our proposals for flood control will be reviewed by Paradise Valley officials before they are put into effect," Scottsdale Public Works Director Marc Stragier said today.

Stragier said that even in drawing up preliminary flood control studies, Scottsdale officials have kept in touch with Paradise Valley personnel.

Although he noted that no final, mutually arrived-at solutions have been developed, Stragier said he and City Engineer George Ianella have talked with and have scheduled more meetings with Paradise Valley Town Engineer Todd Rockwell.

It was Rockwell who told the town's council members last week that after briefly reviewing Scottsdale's proposals for flood control in the 64th Street-Shea Boulevard area, he was left with the feeling that Scottsdale is working on a plan to flood out its smaller neighbor.

He added, however, that he didn't think Scottsdale would ignore the fears of property owners and town officials in arriving at a final flood control solution.

Stragier also noted a flood control agreement was arrived at three weeks ago between Mayor Bud Tims of Scottsdale and his counterpart Bob Tribken of Paradise Valley.

In that pact both mayors agreed that a joint flood

control program is needed in that part of the Indian Bend Wash which flows from northwest Scottsdale into Paradise Valley and back into Scottsdale just north of the Scottsdale Road and Cheney Drive intersections.

In another effort at cooperation, Ianella said

Scottsdale has asked the engineering firm of Bill Craft and Associates to extend into Paradise Valley its study of flood control in the 64th Street-Shea area.

Copies of the study will be sent to Paradise Valley engineers for their review, Ianella said.

Flood tax decision due soon

The city council on Sept. 19 is expected to come to a decision on how to finance a \$7 million bond issue for the city's share of a proposed \$12.5 million, four-phase flood control project.

Today it seems to be a toss-up between raising the city's one cent sales tax by one-quarter of one per cent or the imposition of a one-per cent gross tax on professional services.

Other revenue-producing methods to be considered are a real estate transfer tax, a luxury tax on liquor and cigarettes, and an increase in the city's property tax.

Mayor Bud Tims said he favors the increase in the sales tax which would bring an estimated \$994,015 into city coffers in the next fiscal year and an estimated \$2½ million during the fiscal 1977-78 — more than enough to finance the \$7 million in bonds.

City Councilman Herb Drinkwater said he favors the gross receipts tax which, at one per cent, would bring more than \$2.8 million into the city treasury the first year and more than \$5 million in 1982-83.

City Councilman Paul Messinger has said that the taxes should be spread over all five categories at a one-tenth of a cent increase for each of the taxing methods being considered.

The council has come under fire from the Scottsdale new car dealers who claim that any increase in the sales tax would be unfair as it would hurt their competition with dealers in other cities where the tax would be less. Many other merchants have joined the car dealers in objecting to the sale tax increase.

"If we can't come up with a way to raise the necessary money, we'll just have to forget about flood control," Tims said today. "It's as simple as that."

9-7 Progress

Candidates speak

9-7 Progress

County bonds opposed

James F. Eveld, Republican candidate in District 2, for Maricopa County Board of Supervisors, said this week that he cannot support the county's \$87 million bond issue.

Eveld said he strongly supports a flood control program, but he is "greatly disturbed by the \$81 million bond issue which does not provide any funds for flood control."

"The bonds would provide funds to acquire land that has not been saleable for development, to be used for additional parks. There also are funds available for parking facilities. But nowhere in the bond proposal are there funds allocated for the highest and most priority — flood control," Eveld said.

"We have seen the County manipulate figures on holding the tax rate," he added. "While the tax rate has held,

the land valuation and property valuation were increased. The end result is a higher tax for each and every tax payer," he said.

Stuart Schoenburg, Republican candidate for Maricopa County Attorney, speaking in Phoenix last night, charged the incumbent county attorney considers it beneath his dignity to seriously prosecute cases involving death by automobile.

Schoenburg stated, "More people are killed each year by drunk drivers than are killed by guns and knives. Yet, the county attorney relegates such cases to such low priority that they only can be characterized as being ignored."

Schoenburg went on: "Certainly drunk driving and vehicular homicide cases do not get the press nor have the

attention appeal of other cases, but we must handle matters that most seriously affect the public. These cases are consistently plea-bargained down or dismissed when not justified."

Local control of municipal and educational affairs are threatened by the "trend toward more centralization of authority in state government," John Roeder, Republican Senate candidate in District 26, said last night.

"One of the beauties of our federal system of government is that it encourages local control and local responsibility," Roeder said, "but these can easily become meaningless if we don't jealously protect our right to decide our futures and our destinies for ourselves."

Roeder, addressing a group of local residents meeting at the home of Mr. and Mrs. Thomas Candlin, 5300 E. Calle Del Norte, said, "It is too easy in the name of false efficiency and false economy to say let the bigger guy, the bigger governmental entity, do our job."

Maricopa County Attorney Moise Berger this week reviewed the accomplishments of his office in the area of narcotics prosecution.

He told a group of supporters that his three-man narcotics task force has been of tremendous help to all the law enforcement agencies in the Valley.

"This task force was created over a year ago under a Federal grant from the Law Enforcement Assistance Administration," Berger said.

"Under this program three attorneys were assigned to specialize in narcotics cases. They not only prosecute these cases in court but they assist the officers in the preparation of the cases. They help day or night wherever legal assistance is needed.

As a result, over 50 drug pushers or dealers were convicted of sale of narcotics in the last year, and several major narcotics rings were broken with the successful prosecution of five of the biggest narcotics pushers in the Southwest, Berger said.

9-7 Progress

Garfield opposes flood district plan

By LEE PIERCE
Progress Staff Writer

Proposals of establishing local small flood control districts comprising those areas hit hardest by floods were opposed by State Treasurer Ernest Garfield in a talk here this week.

Garfield was one of six of the seven candidates running on the two major party tickets in the race for the 4th Congressional District seat who were present at a forum at the Valley Presbyterian Church in Scottsdale.

At the meeting, which was the second time the candidates from both parties met jointly to espouse their views, Garfield said proposals by his Republican opponents, State Sen. John Conlan and attorney Bill Baker, would overburden the residents in the proposed districts.

"Without a county-wide base, the districts would be too small to fund the cost of maintaining flood control," Garfield said, and added the district taxes would overburden those who already suffered heavy damage to their homes in some cases.

According to the state treasurer, the cost of flood control should be paid by the federal government anyway, not by local elements.

"This is a federal problem: the FHA (Federal Housing Administration) didn't safeguard those people who look to the FHA for protection."

He explained that when FHA investigators determine

that a home is being built in a water drainage area, and then go ahead with the home loan approval, "They are causing the damage.

"If you stop the financing, you stop the problem," Garfield maintained, adding that the federal agency should not approve a loan for a home lying in a flood-prone area.

The candidate said he believes the Corps of Engineers should implement at federal cost the plan proposed by the City of Scottsdale. That plan calls for a comprehensive \$12.5 million flood control project to provide channelization of the Indian Bend Wash, construction of flood protection measures north and south of the Arizona Canal and a storm drain system in frequently flooded areas of the city.

Regarding the small flood control district proposals, Garfield pointed out that Arizona statutes disallow the inclusion of personal property evaluations in the assessment for flood control districts.

According to Garfield, this would exclude \$439 million in valuation in the county, of which \$260 million belongs to utilities alone. Garfield added that Baker is an attorney for several utilities. Conlan drafted the bill exempting the property, Garfield added.

Present at the meeting besides Garfield and Baker were Democrats Jack Brown, Bob Reveles, Curtis Nordwall and Sam Grossman. Sen. Conlan was represented by his wife.

Sept Farmer - Ranchman
Flood Responsibility

THOSE SCOTTSDALE residents who have filed suit against the Salt River Project for flood damage are barking up the wrong tree.

It wasn't the Arizona Canal that caused all that flooding along Indian Bend Wash and in Paradise Valley in June of 1972 or September of 1970. There would have been floods anyway, following those heavy storms, but there would not have been nearly so much property damage except for helter-skelter development that has interfered with natural drainage.

Under natural conditions, much rain water is absorbed by the soil. What does run off is divided among numerous arroyos and swales. But cover the land with roofs and pavements and natural conditions no longer prevail. There is far less open soil to absorb moisture; runoff is greatly increased and the runoff is diverted into new channels, often concentrated. It "piles up" against the north bank of the Arizona Canal. The canal carries off some but its capacity is limited. So the canal breaks and the water rushes south toward Salt River by whatever route it can find.

Actually, the Salt River Project would be justified in suing Paradise Valley developers, forcing them to pay for canal repairs and also for interruption of irrigation service.

One Scottsdalian, Guy Stillman, is closer to reality than the citizens who are suing SRP. He has brought suit against the developers of a golf course to the north of him for diverting the natural flow of Indian Bend Wash. It is not for this paper to say whether he has named the right defendant, but the right defendant in any Scottsdale flood damage actions is certainly not the Salt River Project.

EDITORIAL PAGE

SCOTTSDALE PROGRESS SEPT. 13, 1972

Beauty in concrete

Early in 1964, if we remember the date, a group of Scottsdale leaders met at lunch with Col. John Lowry, then a regional official of the Army Corps of Engineers. The subject discussed was flood control.

Col. Lowry outlined the corps' proposal for a concrete channel down Indian Bend Wash. He concluded by telling us how beautiful it would be.

Some of those present disagreed. We did not think that a concrete channel would be beautiful. Quite the contrary. We suggested that it would become a dump when not carrying water, a speedway for hot-rod drivers and a ditch dividing the community in half.

Following the meeting the Progress proposed that city and federal authorities investigate alternatives. Specifically we suggested acquiring land along the wash as parkland and making the wash a long, general purpose park for the community.

The idea was widely supported at the time. City water consultant John Erickson said it was feasible. And the Erickson flood control proposal incorporated the park idea.

Although the corps had reservations, it agreed not

to insist on its concrete channel. As a result of this compromise, Scottsdale leaders backed the 1966 flood control bond issue, and this was the only part of the county which did not vote heavily against the bonds.

Now we understand that the Corps of Engineers is trying to win acceptance for the concrete channel again. Apparently it reasons that people have had enough flooding and that they will accept any solution as long as it prevents the floods.

This is typical bureaucratic thinking. To heck with local needs and desires. If you want federal money you do it the way the bureaucrats want or you don't get the dollars.

As far as we are concerned a concrete channel would be an esthetic rape of the community. It is not needed and should not be imposed on the area.

Scottsdale has waited some 10 years for help from the corps, and all it has received are studies and more studies. The damage suffered from floods during this time would have paid for adequate controls.

If the corps will not cooperate, then Scottsdale should go it alone and get the job done.

FLOOD CONTROL DIST. OF
MARICOPA COUNTY
3325 W. DURANGO
PHOENIX, ARIZONA 85009

Scottsdale Daily Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

Vol. XII, No. 179

SCOTTSDALE, ARIZONA, THURSDAY, SEPTEMBER 14, 1972

35c Per Week — 10c Per Copy

Area projects get \$400,000

County urged to float \$30 million flood bonds

Congressional Candidate Jack Brown Wednesday urged the advisory board of the Maricopa County Flood Control District to put a \$30 million bond issue proposal on the ballot as a means of solving flood problems throughout the county, especially in Scottsdale.

Brown's comments came during a meeting at which the board recommended \$400,000 in funds be spent on projects which would aid flood control in Scottsdale.

Brown offered the board his help in securing support of other political leaders in promoting the bond issue

which would cover costs, of what he termed, long-needed flood control measures here.

Although there was no immediate response from the board to Brown's request, it is understood it will meet again Sept. 22 to discuss the matter.

That is the day after the U.S. Corps of Engineers are to meet with Scottsdale city officials to discuss the feasibility of the federal agency supplying \$4.5 million for construction in Indian Bend Wash.

The flood district's advisory board Wednesday passed a resolution to supply an additional \$300,000 toward

the cost of improving the Crosscut Canal at 48th Street with construction designed to take overflowing waters out of the Arizona Canal during times of heavy flooding.

It voted to recommend to the county board of supervisors, that \$200,000 budgeted for the cross-cut project this fiscal year be increased to \$500,000, according to Col. John Lowry, flood district engineer.

Scottsdale Public Works Director Marc Stragier said he also received verbal agreement from the board that at least \$100,000 in district funds will be provided during the next year to

acquire additional rights-of-way in Indian Bend Wash.

Stragier said he was told additional monies probably would be forthcoming as Scottsdale's four-phase flood control program is developed and constructed.

Brown said the task force he heads has recommended a \$30 million figure to take care of the costs of all of the flood control needs in the entire county.

In 1964, a \$23 million bond issue for flood control was turned down by the voters by a margin of more than two-to-one.



Photo by Paul Brown

ERNIE COLE, city police identification officer, sets a camera as he takes a video tape of Mayor Bud Tims making a presentation on flood control to members of the Scottsdale Town Enrichment Program. The video tapes will be used to school city employees and for showings at civic organizations throughout Scottsdale.

Council seeks STEP flood control tax advice

FLOOD CONTROL
MARICOPA COUNTY
3325 W. PHOENIX

Scottsdale Daily

YOUR AWARD WINNING HOME

Vol. XII, No. 179 SCOTTSDALE, ARIZONA, THURSDAY, SEPTEMBER 10, 1964



Photo by Paul Brown

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Area projects get \$400,000

County urged \$30 million flood control

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Council seeks STEP flood control tax advice

The city council today is undecided about whether to back Mayor Bud Tims in his proposal to impose a one-quarter per cent increase in the city sales tax to finance the city's flood control program.

Following a half-dozen in a series of Scottsdale Town Enrichment Program meetings at city hall today, there are some city officials who believe that the majority of Scottsdalians will vote for the increase in the sales tax and for a \$7 million bond issue to finance the city's share of the \$12.5 million overall cost of the program.

Apparently only a few of those attending the STEP meetings have voiced any

strong opposition to the increase in the sales tax.

Although none of the councilmen want to be quoted, it is the general feeling that there is still some question of whether a boost in the sales tax or imposing of a fee on real estate sales would prove more equitable.

One councilman pointed out that the real estate fee could be imposed by ordinance but that it will take a vote of the people to raise the sales tax from the current one per cent level charged by the city.

Mayor Tims said he is asking STEP members to explain to their neighbors the city's green-belt concept of developing the Indian Bend Wash, pointing out the advantages of turning the wash

into a recreation area.

"I asked those at the meetings to talk to their neighbors to learn how they feel about an increase in the sales tax," Tims said. "I asked them to report back to me before the next council meeting when we will attempt to make a decision."

If the council adopts the sales tax method of raising the flood control funds it probably will be at least six months before the issue is put up for a vote, the mayor said.

"This will give those in favor of this method a chance to convince residents this is the most equitable way of financing the program," Tims said. "We need flood control and don't want to wait too long before we get it."

Sept 14-72
Arizona Gazette

Flood Plan Bond Vote Due Study

By ANTHONY SOMMER

The Maricopa County Flood Control District's Citizens Advisory Board has scheduled a special meeting Sept. 22 to put together a bond proposal in time for the November general election.

At its regular meeting yesterday, the board discussed several alternative bond packages. It also recommended to the County Board of Supervisors an expenditure of \$6,000 for surveying of the Roosevelt Water Conservation District (RWCD) floodway.

ALSO APPROVED was the use of \$200,000 to convert the Cross Cut Canal into a floodway to relieve pressure on the Arizona Canal. Plans to further alleviate problems on the Arizona Canal by building a canal through Indian Bend Wash were also considered.

The idea of presenting a flood control bond issue to the voters in November was brought before the board by Jack Brown, Democratic candidate in Congressional District 4 and organizer of a citizens' task force on floods after the June 22 storm.

Brown's proposal was for a \$30 million bond issue countywide to cover the local share of the first two phases of the Army Corps of Engineer flood control project in the Phoenix area.

FEDERAL FUNDS to provide for the major share of the cost are authorized for 1973. The local tab covers approximately 20 per cent of the project bill.

District General Manager John C. Lowry strongly agreed with the need for a bond issue but expressed

fears it would be rejected by outlying communities if the money were spent only on projects in the Phoenix area.

He said the Board of Supervisors could legally create special districts for the bond issue. Another alternative would be a larger bond issue covering all the flood control projects in the county.

"THE BOARD of supervisors and the county manager are convinced of the need for another bond issue try," he said. Members of the board agreed and set the special meeting for Sept. 22 at 2 p.m. at the district's offices at 3325 W. Durango.

Brown reminded the board that the last bond issue was defeated in a 1965 special election.

"Any time you can get the issue on a general election ballot you will do better than on a special election," he said.

An appeal to voters based on the cost of flood insurance, the fact the entire county would be protected and reminders of the recent flooding should be the major thrust of the bond campaign, Brown told the board.

HE SAID studies by the task force support Corps of Engineers plans as well as projects by the Soil Conservation Service and pledged the use of his staff in promoting the bond issue.

In other board action yesterday, a survey of section corners to be crossed by the new RWCD floodway in eastern Maricopa County was recommended at the cost of \$6,000.

The survey is needed to determine right-of-way costs for the floodway which will run east of the present RWCD irrigation canal. An additional 100-foot-wide right-of-way is needed.

The 25-mile RWCD floodway, to run from Brown Road, 1½ miles north of Apache Trail, to the Gila River sparked heated debate at a meeting July 25 when the State Highway Department announced it would not build two needed bridges over the canal until it was assured the project would be completed.

The department revised its position and on Aug. 11 approved the two bridges. The lack of bridges had held up planning the floodway along with scarcity of local funds to buy the right-of-way.

THE COUNTY Board of Supervisors has since budgeted \$330,000 for initial land purchases.

Staff planning leader for the Soil Conservation Service, Dennie Burns, told The Phoenix Gazette yesterday the project has begun to move again with detailed planning and an environmental impact study now under way.

He said contracts for the first section of the floodway, which will cross the Gila River Indian Reservation on land donated by the Indians, should be awarded next August.

The board also recommended the expenditure of \$200,000 out of \$559,000 the district has left to work with this year to convert the Cross Cut Canal into a floodway.

The irrigation canal runs from the Arizona Canal between 68th Street and Scottsdale Road.

With gates to be installed at the Arizona Canal it will be widened there to handle a capacity of 1,000 cubic feet per second (cfs) increasing to 2,000 cfs where it enters the Salt River near the Grand Canal.

THE CITY OF Phoenix has already budgeted \$600,000 to the project and the Salt River Project has dedicated the right-of-way.

"If this floodway had been in operation during the June flood, the Arizona Canal would not have broken at 48th Street," Lowry told the board.

The board also considered county involvement in a plan by the City of Scottsdale to build a floodway through Indian Bend Wash as part of an interconnected flood control system.

The board withheld any decision pending the outcome of a meeting next Thursday between Scottsdale and the Corps of Engineers.

9/15 Sitka Daily Progress

Town Council authorizes flood control studies

PARADISE VALLEY — The Town Council last night authorized the expenditure of a total of \$25,800 to finance two town flood control studies, and directed town engineer Todd Rockwell to begin work on drawing up specific long-term flood control plans.

The council also rejected as "too square" tentative design plans for a new \$185,000 Town Hall to be built on a 4.2 acre site at the southeast corner of Lincoln Drive and Invergordon.

The flood control study authorization came on the heels of Rockwell's recommendation that the town begin immediate plans to alleviate flooding in the area north and east of the Indian Bend Wash, and embark on an over all plan to help control flooding in the rest of the town.

He suggested that strengthening the Berneil Dike and deepening the ditches along Invergordon would do much to alleviate flooding in the northeast section.

He estimated that the price tag for building up the dike to hold back flood waters would be approximately \$50,000 while the cost of deepening the flood ditches would run in the neighborhood of \$15,000.

To finance the two projects, Rockwell suggested that an improvement district be formed in the area. Cost per one-acre lot, he estimated, would be about \$130.

Since the Berniel Dike is privately owned, the town or its residents would

not necessarily incur the total cost of strengthening it, he said.

The \$800 of the \$25,800 authorized is to be used to gather information on engineering requirements for flood control projects in the northeast part of the town, while the rest will be used in a complete overall, long-range flood control plan study for the entire town.

The Berneil Dike is owned by M.L. Folkman one of the owners of the Berneil Water Company. It enters the

town along Mountain View Road, runs west to 68th Street where it turns south, south of Fanfold, then goes west to 66th Street where it enters the Indian Bend Wash.

NE Paradise Valley residents present at last night's meeting described the flood control study authorization as "the first big step."

Mrs. Richard Betts, 6729 E. Doubletree Ranch Road, who has led the drive for flood control measures in that area, said she was "thrilled" by the council's action.

Monday night ^{9/15} *Scottsdale Progress*

Flood bond decision due

The first public hearing to decide how to finance the city's \$7.5 million share of a proposed \$12 million flood control program will be held at 8 p.m. Monday at city hall.

Meanwhile Mayor Bud Tims voiced satisfaction on learning the board of the Scottsdale Chamber of Commerce had commended the city's four-phase flood control program and passed a resolution backing passage of the \$7.5 million bond referendum.

"We believe it is a reasonable plan and want to aid the city in every way we can," Chamber President Sam Pendleton said. "We believe that general obligation bonds are the best way to go in getting the job done."

Tims said he was happy to hear that the chamber officials had reviewed the program and is acquainted with all four phases.

"I agree with the chamber officials that the utilization of bonds is right," Tims said. "In that way we'll have money on hand to expend when the need arises."

Pendleton said the chamber board did not recommend a means of financing the bonds as it wants that issue to be decided by a vote of the people.

The means of financing the program probably will be decided Monday at the public hearing.

Tims has announced that he is in favor of boosting the city sales tax one-quarter per cent in order to pay for the bonds over a 10-year period.

The quarter-per cent boost probably would bring in a total of more than \$900,000 in the next fiscal year and more than \$1.5 million in 1982-83.

The most vociferous opponents of Tims' proposal are Scottsdale new car dealers who claim they would be put at an unfair advantage with out-of-city dealers if the sales tax was increased.

Tims and other city officials are conducting a series of meetings with committees of the Scottsdale Town Enrichment Program in efforts to learn whether the sales tax increase will be backed when brought to a vote.

Public Works Director Marc Stragier said that even after the city raises the necessary funds it will take from five to seven years to complete the four phase program.

At STEP meetings

City begins stumping for flood bonds

918 Progress

City officials will unlimber their big guns during the next two weeks in efforts to gain public support on whatever means they chose to finance the city's four-phase flood control program.

City Public Works Director Marc Stragier will appear at least eight times before various Scottsdale Town Enrichment Program (STEP) members during 7:30 a.m. and 9:30 a.m. meetings Monday through Friday at city hall.

Other officials will be on hand at the meetings to explain various proposals for financing the city's \$7

million share of the \$12.5 million overall program.

Meanwhile Dickson Hartwell, a public relations man, has started work on a brochure which city officials will use in promoting the \$7 million bond issue once the decision is made on how to finance the program.

Mayor Bud Tims is sticking by his proposal of raising the city sales tax one-quarter of one cent but there are many Scottsdale merchants, especially the new car dealers, who have indicated they will fight any

proposal to increase the one-cent city tax.

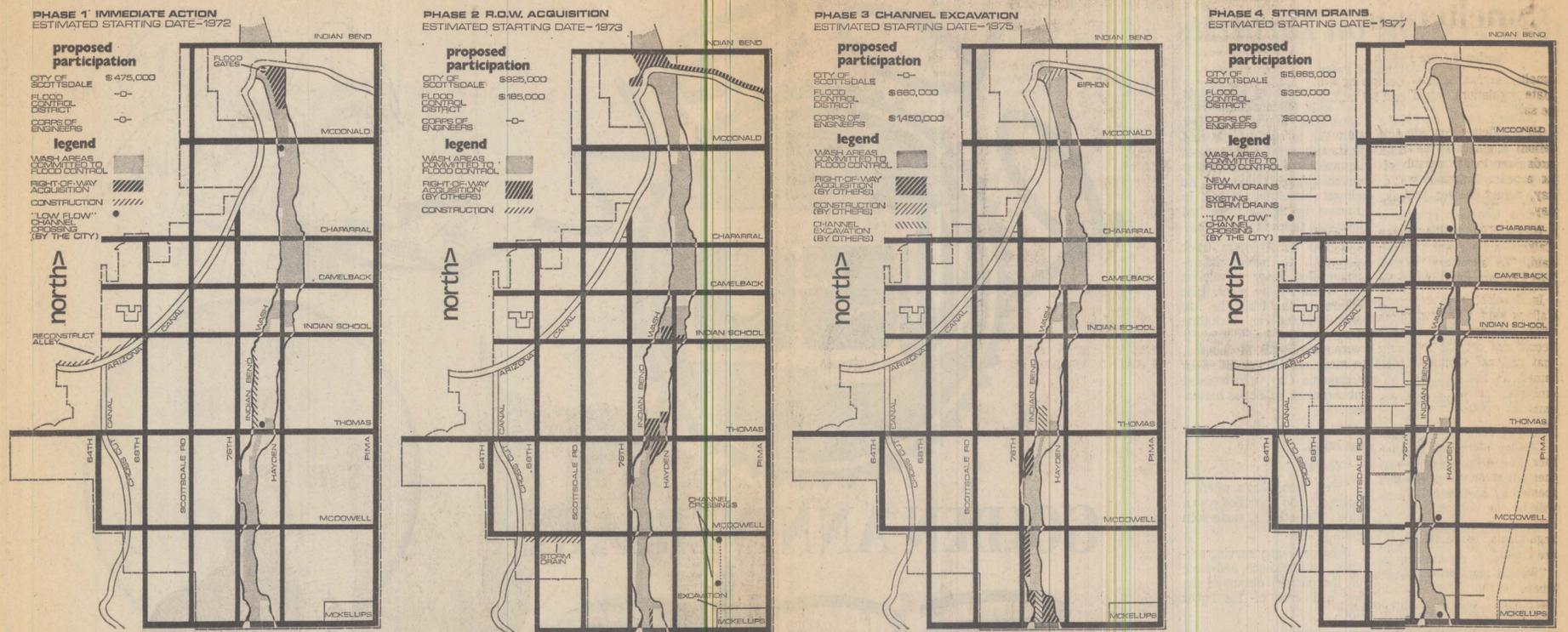
Members of the council, Stragier, and other officials also have been booked for appearances before various civic organizations to explain what is needed to solve Scottsdale's flood control problems.

Thursday Stragier attended a Maricopa Association of Governments meeting and urged that the green-belt concept of development in Indian Bend Wash be given top billing when MAG sends a list of priorities to the Maricopa County Flood Control

District in the near future.

Stragier said he suggested that \$2 million in county funds be earmarked for acquiring rights-of-way in the wash.

At their Sept. 19 regular meeting the council is expected to make a decision on the method of financing the bond issue. Council members are expected to vote on whether to use the increase in sales taxes, a real estate transfer tax, a luxury tax on cigarettes and liquor, a gross receipts tax, or an increase in the property tax.



Maps show the four phases of Scottsdale's flood control plan that will involve right-of-way acquisition, channel excavation and construction. Phase I construction will include lowering and widening an alley east of 56th Street, placing an earthen bank along the Arizona canal north of Thomas, and installing "low flow" bridge-and-culvert channel crossings, shown on maps as black dots. Phase II construction will include more channel crossings and a storm drain. In Phase III, a siphon will be constructed in the wash. More storm drains and crossings are planned for Phase IV construction.

Flood control plan cheers Scottsdale public works chief

By CHARLES KELLY

SCOTTSDALE — Marc Stragier is a man whose mind often dwells on a depressing scene: The devastation left by the floods that periodically work their will on his city.

Stragier, Scottsdale's public works director, looks upon the scene with a hopeful, rather than a doleful, eye.

He does so because of the four-phase flood control and storm drainage capital improvement plan that he and his staff have mapped out for Scottsdale.

With enough federal and local funding, Stragier said, he is sure the flood control project can harness flooding within the next four or five years.

Stragier hopes to get the plan into high gear as soon as possible, knocking off a phase a year until the project is complete.

Phase I

Phase I, to begin this year, would cost the city about \$500,000 and protect more than 1,000 homes that were struck by the June 21-22 floods in the city, Stragier said.

"What we have tried to do with this phase is to plan for the most urgent work," he said. "We want to get the most for our money and take advantage of the work we've done to date."

About 700 homes will be safe from flooding once floodwaters in the northern Indian Bend Wash can be made to shoot across the Arizona Canal instead of damming up behind it, he said. That water backs up behind the canal, fills it, and spills around and over the canal banks into surrounding homes, he said.

Carrying that water safely down the wash will involve making floodgates in the canal operational, widening the channel of the wash below the canal, and acquiring farm property below the canal onto which the water can be dumped, Stragier said.

The city hopes the Salt River Project will help by either lowering the canal bank adjoining that property, allowing the city to cut the canal bank during a storm, or installing a siphon that would — essentially — "put the canal underground" where it crosses the wash, Stragier said.

The water would then cross the canal in the wash instead of swooshing into about 700 homes and many businesses along the north side of the canal from Pima Road to the Phoenix city limits, he said.

To protect homes adjoining the wash, a berm (earthen bank) would be built along 78th Street from just south of Indian School to Thomas between those homes and the wash, Stragier said.

Phase I of the plan also would provide low-flow culverts in the wash at Scottsdale Road, McDonald Drive and Thomas which would keep those major streets open and dry except at the height of major flooding, he said.

Homeowners north of Shea Boulevard between 64th and 66th Streets also can expect some relief from work in this phase. Drainage ditches in that area will be channeled to direct floodwaters away from the homes, Stragier said.

Phase II

In Phase II, to begin in 1973, Scottsdale will expect some help, Stragier said.

"The main work in Phase II will be to acquire property (in the wash channel)," he said. "We hope at this stage to be getting some help from the Maricopa County Flood Control District."

Developers also will provide some drainage rights of way, he said.

This phase will cost the city about \$925,000, with about \$185,000 more to be put up by the county flood control district, Stragier said.

The land the city acquires will add to the "Green Belt" in the wash and provide recreation areas as well as flood protection, he said.

"We've been trying to use this flood plain to create a community resource, a relief from urban development," Stragier said. "The green belt will be needed for flood drainage for only a few days out of the year. The rest of the time it can be used for recreation and family types of activities."

The city's acquisitions would include about 30 acres downstream from the projected Schrader Ranch development, which lies partially in the wash between Indian School and Thomas, and 10 acres in the wash in northern Tempe, where some excavation also would be done, he said.

In addition, the city would add a storm sewer extension to the channel running

parallel to the Cross Cut Canal (which at that point runs along 6th Place), which would empty into an existing storm drain at McDowell and Scottsdale Road.

The city also would dig channels and build culverts along 87th Street between Palm Lane and McKellips Road.

Meanwhile, Stragier said, the flood control district would be expected to pick up the tab for drainage rights-of-way:

—North of the canal from the wash to Pima Road.

—North of Indian School at Hayden Road, a 5-acre plot.

—North of Indian School near the Villa San Marcos development, a 3-acre plot.

—South of Thomas east of the wash.

—South of Thomas in the wash: two homesites.

Phase III

This is "the phase that will increase the capacity of the wash," Assistant Public Works Director Dan Raby said.

"It won't be until Phase III is completed that we'll be able to avert the damage caused by major storms getting out of the canal," Stragier added.

Phase III—to begin in 1974—will deal a hand in the game to the U. S. Corps of Engineers. Scottsdale will sit this one out, as far as financing goes, but will do some of the minor work, Stragier said.

The county flood control district should toss about \$750,000 into the pot, and the corps of engineers should provide about \$1½ million, he said.

The district's money will buy about \$250,000 worth of more rights of way

for the Scottsdale portion of the wash, and about \$500,000 worth of rights of way in Tempe in the southern part of the wash, Stragier said.

The corps of engineers will construct major works including the last stages of a low-flow channel in the wash, dissipators (such as broken-rock areas) to slow the water in some parts of the wash, turbing and paving and an 800-foot-long siphon under the wash to carry canal waters, he said.

The corps also would be expected to reconstruct some sections of the present recreational areas, he said.

Other major work expected of the corps includes channel excavation along the north side of the canal and major drains along Chapparal and Camelback Roads to receive water coming from above the canal.

The corps work will give the city a major boost toward adequate flood control, Stragier said, but the federal government must authorize funds before the work can begin.

Another boost could come from the Central Arizona Project, Stragier said.

Construction of the CAP's Granite Reef Aqueduct should begin during Phase III, he said.

A huge dike included in that project will intercept runoff water from the northern part of the Valley and the McDowell Mountains before it can sweep through the city, Stragier said.

The dike should scoop up about one-third of the water that enters the Indian Bend Wash now and allow it to drain slowly into the CAP canal, Stragier said.

At that point, the wash will be able to handle a 100-year storm rather than the 50-year storm it can handle now, he said.

Phase IV

Phase IV—to begin in 1976—will provide a widespread storm drain system for the city, Stragier said.

"We can't construct storm sewers until we reach this phase, because we won't have the extra capacity of the wash until then," he said. "We must have a place where the storm sewers can terminate."

For this phase, Scottsdale will have to put up a whopping \$6 million, and the flood control district will be expected to chip in \$350,000. The corps of engineers hopefully will provide \$200,000, Stragier said.

The flood control district's money will purchase culverts for wash crossings at Chapparal, Camelback, Indian School, McDowell and McKellips Roads, he said.

The city's money will provide feeder-line storm sewers to carry water from the edge of the city to trunk-line sewers along major streets which will empty into the Indian Bend Wash.

To the west of the wash, trunk sewers will cut under the Arizona and Cross Cut Canals to release water which now backs up behind the canals, Stragier said.

Trunk sewers will follow McDonald Drive, Chapparal Road, Camelback Road, 2nd Street, Earl Drive and Oak Street on the west side and carry runoff from the ridge line between Camelback Mountain and the Papago Buttes, he said.

On the east side, trunk lines will be built to about Pima Road along McDonald Drive, Chapparal, Camelback and Indian School Roads, Stragier said.

One major drain will be installed along 87th Street, south of Thomas, to carry water into the Salt River, he said.

The gargantuan four-phase flood control plan carries an overall price-tag to match its huge scope: \$12.5 million, Stragier said.

Scottsdale residents will be expected to carry about \$7.5 million of this burden, if the project is to be completed on schedule in the next four or five years, he said.

Contributions also will be required from the county flood control district and the corps of engineers and some help from the Salt River Water Users Association will be needed, Stragier said.

Though the price is high, Scottsdale homeowners will get what they bargain for, Stragier said.

The bargain will include protection against yearly flood losses near \$3 million, an open space green belt with recreational facilities, cuts in flood insurance payments, and freely-moving traffic even during the worst floods, he said.



Marc Stragier, Scottsdale public works director, views Arizona Canal at Indian Bend Wash, where new flood control gates have been constructed

Farm workers pull out recall election candidate

A Phoenix businessman who offered to oppose Gov. Williams in a recall election has been asked to withdraw as a candidate by the group that organized the recall campaign.

Frank Braggiotti, board chairman of Tempo Homes, said yesterday he has agreed to "resign as a candidate" at the request of the United Farm Workers Union. He will continue to support the recall effort, he said.

Braggiotti announced in July that he would oppose the governor as a Republican candidate for the office, if the union

effort to place the recall on the ballot succeeded.

Braggiotti said that because he is a Republican and "the largest nonunion contractor in the state," union workers concluded "they couldn't endorse me and didn't know what to do with me."

He said the Rev. Jim Drake of the union delivered a message from union head Cesar Chavez that said many "who diligently sweated and worked to bring about the recall" suspected Braggiotti "was acting in some way for Gov. Williams."

Braggiotti said he also agreed to withdraw because he felt his candidacy might impair the success of a voter registration rally in support of John Lennon and Yoko Ono, threatened with deportation, that he is organizing. Braggiotti said he has rented International Raceway Sept. 16 for the rally.

The businessman was an active lobbyist last year in the state legislature, urging reform of marijuana laws for first-time offenses.

"There are no hard feelings," Braggiotti said. "My views are well known, but if those people who have given hon-

est and sincere labor to the recall effort felt I would not be acceptable to the groups concerned with the recall of the governor, I can understand."

Drake confirmed that he requested Braggiotti's withdrawal and said the union would support a candidate chosen by those who worked in the recall effort. He said the union has collected 91,000 of 103,000 signatures needed to place the recall on the ballot.

But he said for the next few days recall workers will concentrate their efforts in preparing for Tuesday's primary election.

Republic photo by Nyle Leatham

For Historical, Archaeological Impact:

9/12 mesa
Thibault

Orme Site Getting Check

As the Central Arizona Project (CAP) slowly inches its way toward completion, care must be taken that the necessary tunnels, aqueducts and reservoirs do not irreparably destroy archaeological resources along the way, says Dr. R. Gwinn Vivian, archaeologist at the Arizona State Museum at the University of Arizona.

This is why museum archaeologists survey the route sites to assess impact on resources in compliance with the National Environmental Policy Act of 1969.

To date, the UA archaeologists have not recommended changing sites and paths of tunnels and aqueducts of the CAP, a system for bringing water from the Colorado River into Central Arizona.

Recently they began to survey the proposed Orme Reservoir site northeast of Mesa at the confluence of the Salt and Verde rivers.

Before they started, they knew the reservoir could inundate old Ft. McDowell, one of the major U.S. military installations of the late 1800s and early 1900s.

The site is historically as well as archaeologically valuable, says Vivian, survey director.

Purpose of the survey is to determine what historic and prehistoric sites there are and to make a series of recommendations about the reservoir's location.

"If we feel it is going to endanger historical remains we can suggest the dam be put elsewhere or not built at all," Vivian notes.

"We have preliminary knowledge that this area was densely settled in prehistoric times. There are hundreds of archaeological sites in this general area.

"There is also a chance that Ft. McDowell might be nominated for inclusion in the National Register of Historic Places and it would have to be protected. A few of the old frame buildings are still partially standing, including a portion of the hospital; the adobe structures have melted down but are still clearly visible."

The first phase of the Orme Reservoir survey which began this week and will continue through mid-October will be limited to the area that will be inundated on the Salt River side of the project. This phase is funded by \$11,660 from the U.S. Department of the Interior through the National Park Service in Tucson.

Phase two (not yet funded), involving the Verde River side which includes Ft. McDowell,

would continue through December. Phase three would be writing the impact statement.

9-16 Tempe Daily News

Special Meeting Slated

Bill Schrader, chairman of the Citizens Advisory Board of the Maricopa County Flood Control District, has called a special meeting of all members to be held on Friday, September 22. The meeting is scheduled to begin at 2 p.m. in the district office, 3325 West Durango street, Phoenix.

Three items will be considered, according to the brief agenda.

—Bond issue.

—Drainage plans for subdivisions.

—Five-year building program.

It is presumed the first two items will deal with problems of the Paradise Valley area as some sections of North Phoenix. It has not be revealed whether or not the bond question will be localized or spread throughout the over-all country district. If it is the latter, it is said, there may be some objections.

At public hearing

9/18 Scottsdale Progress

Flood tax to be discussed

John Q. Citizen will be given a chance at 8 p.m. tonight to express views on thoughts of how city officials should handle financing of Scottsdale's flood control program.

Mayor Bud Tims said the council will welcome any statements from taxpayers on how they should pay for the \$7.5 million in bonds necessary for funding the program which could take five to seven years to complete.

Tims has publicly announced that he is in favor of increasing the one per cent city sales tax by one-quarter of one per cent to raise the funds necessary to retire the bonds over a period of years.

The mayor said City Public Works Director Marc Stragier and other city officials will present full explanations of the four phase flood control program and explain various means which could be used to finance the project.

"We want as many persons as possible to state their views," Tims said. "After all it will be their money that we are going to spend."

Tims said surveys taken by Scottsdale Town Enrichment Program (STEP) committee members give strong indications that most Scottsdale citizens favor the boost in the sales tax to finance the program.

Merchants, especially the new car dealers, are opposed

to this proposal, claiming it would decrease their effectiveness in competing with dealers in other communities which do not have sales taxes other than the three per cent imposed by the state.

There are some who say that Tims is being a little too optimistic with his proposal, noting that two years ago the citizens of Scottsdale voted down a boost by one per cent in sales tax by a vote of more than two-to-one.

Members of the board of Scottsdale Chamber of Commerce last week endorsed the \$7½ million bond issue but were careful not to endorse any specific means of taxation especially the sales tax, to raise funds necessary to finance the program.

There are some who claim that it would take another disastrous flood of the proportions of that last June 22 to convince many Scottsdalians that the flood control work be completed as soon as possible.

Stragier said that even after funds are available, it will take at least five to seven years to provide protection against floods throughout the city.

PV gets flood insurance

9/15 Sittdl Daily Progress

The Department of Housing and Urban Development has added Paradise Valley to the list of Arizona communities and counties eligible for federally funded flood insurance.

Deputy State Insurance Director Melvin Dunton said Thursday all Paradise Valley structures in existence on the effective date — today — will be eligible for the coverage. Structures begun after today will be eligible for such coverage only if they are

located outside flood-prone zones once maps of these zones are completed.

Dunton said federally subsidized insurance rates average \$60 a year for coverage up to \$17,500 on a home and up to \$5,000 on the contents. Apartments, business structures and agricultural, religious, governmental and non-profit buildings also are eligible for coverage, he added.

He pointed out that this coverage is available on the

condition that the community have land use and control measures in effect to reduce possible future flood damage.

The flood insurance may be obtained from any licensed property and casualty insurance agent in the area, Dunton said. Aetna Casualty and Surety in Phoenix has been designated by the National Flood Insurers Association as the servicing agent to supply local agents with the necessary insurance forms.

Scottsdale *Daily* Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

SCOTTSDALE, ARIZONA, FRIDAY, AUGUST 18, 1972

County manager defends Lowry

County Manager Charles W. Miller said today that none of the three county supervisors have sought or even encouraged the early retirement of Col. John C. Lowry, chief engineer of the Maricopa County Flood Control District.

Miller made the statement in response to an article earlier this week in the Progress which indicated two members of the district's advisory board were unhappy with Lowry's work.

Speaking for the supervisors, Miller said:

"Colonel Lowry has done a good job for us and we want him as long as he will stay.

"Some months ago Col. Lowry told us of plans for his retirement but it was a totally voluntary gesture on his part and he was not pressured in any way to make this decision.

"In reference to a statement in the news article that Col. Lowry had diverted flood control revenues to projects of lesser importance, I want to point out that Col. Lowry is an appointed official and therefore only makes recommendations concerning flood control expenditures."

Miller said the chairman of the advisory board, William P. Schrader of Scottsdale, and a former chairman, Hugh Nichols, have given support to Lowry and said that no members of the board have encouraged his early retirement.

9-19-72 GAZETTE

A Flood Control Bond Issue?

If the Citizens Advisory Committee of the Maricopa County Flood Control District remembers the past and acts accordingly, there is at least a chance that it can come up with a bond proposal that voters may approve in the November general election. Judging from news stories, however, the committee is in for some hard work.

First of all, whatever the committee decides to propose, the money apparently would be spent to provide the local share for an Army Corps of Engineers flood control project that few Maricopa County residents know anything about. So, some detailed explanations are in order, to give the voters all the time possible to consider the Corps' plans for the county.

Voters defeated a flood control bond issue in 1965, at least partly because of confusion on how the money would be spent and for what. By now, it should be clear that voters in these parts aren't about to write any blank checks.

Moreover, if the Corps' plans involve a lot of concrete channels and environmental damage, the committee might be wiser to wait on the bond issue. People are even more sensitive about such matters now than they were in 1965.

Then, too, the committee should beware of the temptation to try to get the bond issue passed by including something for everybody in the county. Col. John C. Lowry, general manager of the flood control district, at least hinted at that approach when he expressed doubt that outlying communities would support flood control projects in the Phoenix area only.

Because floods are only a vague threat to large numbers of Maricopa County residents, no flood control bond proposal is likely to pass easily. One meeting a need that can be made clear, involving a minimum of spending for essentials and not altering the environment adversely, stands a good chance, though.

Flood Funds Anticipated By Scottsdale

Gazette Scottsdale Bureau

SCOTTSDALE—Congress is expected to approve a measure this week that would channel \$700,000 to \$800,000 a year to Scottsdale for flood control, Mayor B. L. Tims announced.

Tims made the statement last night at a public hearing attended by about 40 persons.

At the same time, he said, a state revenue-sharing referendum, if approved Nov. 7 by Arizona voters, would mean another \$600,000 to \$750,000 in state funds toward the flood-control project.

Tims said he would not know whether local funds would be needed until "the actual distribution formula is set.

"However, if the state revenue-sharing proposal is approved in November, we can be assured that local residents will pay only a small part of the flood-control program cost, if any," said Tims.

9-19-72
Gazette

4 plans offered to control floodwaters of wash

SCOTTSDALE — The U.S. Corps of Engineers yesterday indicated it would consider any one of four alternatives for handling flood control with the Indian Bend Wash, said Public Works Director Marc Stragier.

Stragier consulted with Maj. Will Worthington and other Army engineers and was told the corps would cooperate in plans to control flood waters that would involve either:

— Putting a concrete channel in the wash.

— Digging a large channel in the wash to increase its capacity.

— Putting dikes along each side of the wash to contain water.

— Implementing a “managed” flood plain, with a series of minor dikes and channels and other improvements to direct floods away from homes and residential property.

The “managed flood plain” alternative appears to fit in with Scottsdale’s present

Green Belt Plan to restrict development in the Wash and allow for recreational uses in the wash when it is dry, Stragier said.

“We’ll study the alternatives to see which would be most feasible,” he said. “Off hand, it seems the managed plain idea might fit in best with our plan. It would be the least expensive.”

It will take about four months to make any firm plans for the project, Stragier said.

Meanwhile, Mayor Bud Tims said financing of the flood project on the local level may be avoided if both federal and state revenue-sharing money is allotted to the city.

“We’re trying to get across the idea that if people want to finance the flood control without raising taxes locally, they should get behind state revenue-sharing and vote for it in November,” Tims said.

Flood control proposed for stalled freeway area

Construction of a flood control channel to permit completion of the Superstition Freeway east of Tempe and at the same time alleviate flood drainage problems of east Valley communities was proposed yesterday at a meeting of county, state and Valley city officials.

Supervisor Henry Haws, who called the meeting, said that Robert Esterbrooks, county engineer, has been appointed as coordinator and given the task of working with state, city and county officials, to bring the proposal to reality.

Haws explained that one major factor stalling the extension of the Superstition Freeway east of the Tempe Canal is a means of control-

ling runoff. At the same time, he said, a drainage problem exists in Mesa, Tempe and other areas near the route of the freeway, which is east and west between Southern and Baseline.

The water from the freeway would have to drain into the Gila River, 18 miles east, because the freeway extension would be in an area that cannot drain into the Salt River, Haws said.

"I have no idea on cost," Haws said. "We could finance it possibly with some federal money and a special flood control district which would be a subdistrict of our county flood control district, so only the area to be served would be paying the cost of it."

FLOOD CONTROL DIST. OF
MARICOPA COUNTY
3325 W. DURANGO
PHOENIX, ARIZONA 85009

Engineers okay green belt

By JACK KARIE

Progress Staff Writer

Top officials from the U.S. Army Corps of Engineers said today that agency is ready to go along with the city's green-belt concept of flood control in Indian Bend Wash.

Arthur V. Potter, civilian chief of the water resources branch of the Los Angeles District, and Maj. H. W. Worthington, special assistant to the district engineer for Arizona-Nevada, made the joint statement after meeting three hours with city officials.

The corps officials presented four alternatives, the green-belt concept, a diked channel concept, an excavated concept and a concrete-lined channel which had been

previously authorized by the federal government but rejected by Scottsdale officials.

"Basically the corps is providing alternatives," Potter said, "but it will be left up to local officials as to which alternative is accepted."

Potter said the green-belt concept is a "land management plan" which he claimed would not provide as much protection as the other three alternatives presented today.

He said the corps will cooperate with the city on construction to get water in and out of the wash and that it will be up to the officials of the City of Tempe as to which concept they select in the southern reaches of

the wash.

Potter said he could not estimate how long it would take to implement the plan and said he could not be sure whether the corps could participate financially in the construction of a proposed siphon to carry the Arizona Canal beneath the wash.

He said the corps will have to refine the cost and benefit data before making a proposal to have construction authorized by Congress.

The officials pointed out that the City of Scottsdale will have to acquire all of the necessary rights-of-way in the wash before the federal agency can cooperate in actual construction.

Potter said the corps has a policy providing as much protection as possible in flood-prone areas but that policy now has been eased in order to implement the green-belt concept where ever possible.

"Our office now seems to favor the green-belt concept," he said. "We have the go-ahead on this project and will cooperate in every way possible."

After the meeting, Public Works Director Marc Stragier said he was elated over the corps officials' evaluation and promise to cooperate fully in the control of flood waters in Indian Bend Wash, which is the main project in the city's four-phase plan.

**Flood
bonds
topic**

Scottsdale Daily Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

Vol. XII, No. 185

SCOTTSDALE, ARIZONA, THURSDAY, SEPTEMBER 21, 1972

35c Per Week — 10c Per Copy

Members of the Advisory Board of Maricopa County Flood Control District will meet at 2 p.m. Friday to discuss the feasibility of calling for a vote on a \$30 million bond issue for flood control throughout the county.

William Schrader of Scottsdale, advisory board chairman former Scottsdale mayor and a director of the Salt River Project, will preside at the meeting. A five-year-plan for flood control projects also is to be discussed.

It is expected that Scottsdale officials will ask the board to recommend to the board of supervisors that \$2 million be earmarked for use in acquiring rights-of-way in Indian Bend Wash for the city's proposed flood control project.

'Green Belt Plan' Pushed To Solve Scottsdale Floods

You have to understand that Scottsdale is built right in the middle of a wash, and when it floods, Scottsdale catches it, explained U.S. Hydrologist Herbert H. Schumann of Tempe.

"So the question is, how do you take away all that water without causing damage?" he said.

"It used to be agricultural land there and if it flooded it was no big thing. Now there are homes and business buildings, so it causes damage."

DURING EACH flood, Schu-

mann flies over the area taking pictures to determine what happened and how to prevent it in the future.

The "real solution" to the Scottsdale flooding from Indian Bend Wash, as he sees it, is to build a gigantic park and golf course down and along Indian Bend wash, along with a few "engineering structures," to let the water flow away harmlessly.

"Oh, sure, you're going to have to hose the dirt off a few park benches, but in general the 'Green Belt Plan' for flood control is best," he de-

clared in an interview prior to addressing the Phoenix Rotary Club today in Hotel Westward Ho.

WHAT HAPPENED June 22, Schumann related, was that three thunderstorms converged, producing an unusual type of storm and dropping more than four inches of rain in Paradise Valley in three hours.

"That was the biggest since the 1970 Labor Day flood," he added.

Schumann said he believes the City of Scottsdale is "on the right track" seeking to provide somewhere for the water to go via golf courses, parks and the like, where minimum damage will occur.

THERE ARE going to be some trouble spots where structures will have to be built, such as dikes and canals. One bad area, he recalled, is north of the American Canal because the canal acts as a dam, holding water north of it.

The American Canal was built in the late 1800s strictly for irrigation purposes.

Schumann explained that irrigation canals which cover the Valley are virtually no good for flooding carry-away. Irrigation canals start with a huge pipe and dwindle down through successively smaller ones. Flood canals are just the opposite, starting with small pipes and gradually getting larger as they gather more water along the way.

THE GREEN Belt approach not only is more aesthetically pleasing to residents but permits numerous other uses of the land which a huge concrete flood canal would not.

"Kids can play and feed the ducks, getting more use out of wash areas, not just waste. . .

"It would only take a few years to build a Green Belt system with some engineering structures if the money was available."

The Arizona Republic
The Phoenix Gazette
70 Friday, Sept. 22, 1972

November vote on flood bonds vetoed

By JACK KARIE
Progress Staff

9/23

Objections from persons in flood-prone areas made no impression Friday as the Maricopa County Flood Control District Advisory board voted unanimously to reject placing a multi-million bond issue on the ballot Nov. 7.

The negative vote came after Col. John Lowry, flood district manager, said it would take his office almost another year to get the cost data necessary for firm figures to be put on the ballot for a vote.

Lowry said he thought the voters would reject a flood control issue as they did in 1964 "if we fail to give them some realistic figures which we probably can't have ready before next July and possibly next October."

Fourth District Congressional Candidate Jack Brown objected to the delay, saying "not having the complete plans and the costs ready at this time does not impress me as a reason for any more delays."

"We now have a citizenry that is aroused and I am sure that we could raise at least \$10,000 to conduct a competent campaign," Brown said. "We've got to get off the dime and get something done — it's about time we do."

Bill Schrader of Scottsdale, advisory board chairman, said he felt that the board would be doing a disservice to the people of the county by presenting a bond issue without full information for their consideration.

"I feel we would be doing this disservice by acting too quickly," Schrader said. "I feel the voters will not approve an open-end deal."

Another board member, Hugh Nichols, suggested that action possibly could be expedited if the board recommended dividing the district into zones and calling for votes in each individual district for flood control measures in particular

areas where the danger is greatest.

Scottsdale Public Works Director Marc Stragier said he agreed with Nichols and urged the board to consider a "pay-as-you-go" method of paying for projects in areas where flood control is needed immediately.

Stragier contended there are members of the Maricopa Association of Governments who favored boosting the county's five-cent per \$100 property tax to the legal maximum of 20 cents to pay for the projects on a piecemeal basis.

"I think the bond issue should encompass the whole county but I don't think we could get the necessary information together until next fall," Lowry said.

Bill Alexander of the 40th Street citizens group for flood control was visibly shaken by the delay.

"You are doing a great injustice to these people who have suffered from flooding if you don't ask for a vote on the measure on Nov. 7," Alexander said. "I think it is a shame to put it off any longer."

After the meeting Alexander said he was amazed that the district officials could not come up with information needed for a ballot for a vote on the issue.

"They (the district officials) have had 10 years to gather this information," Alexander said. "If they haven't got that information now I don't think they will ever get it together — a lot of people are getting mighty sick at their excuses and do-nothing attitudes."

Meanwhile, according to Lowry, more studies will be made on county flood control and the board will be asked for a decision when it gets the facts on the bond proposal.

"Maybe next spring," Lowry said, "but there is a chance this information won't be ready until next October at the earliest — we'll just have to wait and see."

Flood-Control Unit Votes Against Bonding Proposal

By BRUCE KIPP

The Maricopa County Flood Control Advisory Board has decided not to recommend to the Board of Supervisors that it conduct a bond election concurrently with the Nov. 7 general election.

The vote was unanimous at yesterday's special meeting of the advisory board. The consensus was that, despite the ever - pressing need for more flood control works, there was insufficient time to get a proposal together.

One observer who pushed hard for an immediate bond election was William Alexander, a resident and representative of the 40th Street and Camelback area which was severely damaged by the June flood.

THOUGHT WAS given to including in Commissioner Reid Teeples' motion to recommend against holding the bond election Nov. 7 a recom-

mendation that the supervisors present the electorate with an opportunity to vote on a bond issue as soon as possible.

But consideration of this was dropped after Commissioner Roy Garber cited Marc Stragier's remarks to the effect that a pay - as - you - go plan might be considered in lieu of a bond issue.

Stragier is Scottsdale's public works director.

Alexander, virtually the sole exponent of the let's - get - moving movement present, argued that the bond issue election be held concurrently with the 1972 general election because memories of this year's floods in the Phoenix metropolitan area are still fresh.

HE ALSO argued that the people would be inclined to bond themselves now that they realize they can't individually solve their own problems.

He also asserted that a bond issue has a better chance as part of a general election than if it is carried as a special election.

He lamented that no concrete action toward floating a bond issue has been made since 1966 when the county voted about 3½-to-1 against a \$22,700,000 issue for flood control.

Col. John C. Lowry, general manager of the flood control district ticked off numerous reasons why it would be virtually impossible to hold a bond election as early as Nov. 7.

HE NOTED that a citizen's committee would have to be formed to raise funds to promote the bond issue; that, since federal money would be used to build the works themselves, time would have to be devoted by the Corps of Engineers or the Soil Conservation Service to make an environmental impact study; that, before a bond issue could be floated, the flood control district would have to know exactly what would be included in the project and what each item would cost.

While the Soil Conservation Service or Army Corps of Engineers would build the works with money appropriated by Congress, the flood district must raise the money to buy the land upon which the works would be built and to relocate roads and utilities.

MOST OF THE commissioners and Lowry seemed inclined to favor the division of the county into zones so that persons whom the dams and other flood-control structures would protect could vote to pay for those works only.

Chairman William Schrader asserted that an "open-end" bond issue such as was held in 1966 would not pass. He saw more hope for a county-wide election to build specific works, each given a definite priority.

Flood watch on;

Intensified storm warnings went out at noon today as Scottsdale residents hoped today's rainfall would not develop into a replay of the June storm which caused millions of dollars of damage in the city.

The U. S. Weather Bureau issued a flash flood watch warning for Scottsdale and most of Arizona as a fast-spreading storm was expected to increase in intensity.

Many of the city's intersections were flooded but by noon today city officials said none of the city streets had been closed as a result of the storm.

City police reported several fender bender accidents as motorists skidded on slickened streets due to the rainfall which totalled more than half an inch by presstime.

A 26-year-old city refuse truck driver, Ramiro Guebara, was taken to Mesa Lutheran Hospital after he suffered broken ribs and other internal injuries when the truck he drove skidded and overturned on McKellips Road near

Alma School Road. The truck was headed for the city landfill when the accident happened.

Officials of the Salt River Project released water from the Arizona Canal at Evergreen Wash, northeast of Scottsdale, to let runoff flow directly into the Salt River.

Scottsdale Police issued warnings to motorists, especially those traveling along Shea Blvd. where water was running in washes at an increasing rate.

Although surface water was starting to flow from the McDowell Mountain watersheds, Paradise Valley Deputy Marshall Leslie Wight said no serious flood reports had been received in that area up to noontime.

"We've got lots of standing water on some of the roads, but it's nothing cars can't get through if they take it easy," Wight said.

He said the only bad spots in the town were along the dirt sections of Doubletree Ranch Road which winds through the

FLOOD CONTROL DIST. OF
MARICOPA COUNTY
3325 W. DURANGO
PHOENIX, ARIZONA 85009

10-4-72
Scottsdale Prog.

storm intensifies

Town of Paradise Valley. He said heavy rains turn these sections of road into quagmires, but he said signs have been posted warning motorists of the danger which exists during storms.

City officials were keeping a close watch on the situation and announced that sandbags were being made available at Scottsdale Municipal Stadium and in other spots in the city. Full information can be obtained by calling City Hall.

The officials were relieved when they noted that there were no high winds accompanying today's rains which fell straight down on many sections of the city. Much of the damage caused in the June storms was caused by cyclone winds which came with the rainfall.

Because of the emergency measures taken at Evergreen Wash, the waters in the Arizona Canal seemed to recede in depth as the rain continued to pelt the area. SRP officials said they had no plans to release water into Indian Bend

Wash unless the storm intensity increased at a more rapid rate.

Every National Weather Service reporting station in the state had recorded rainfall in the 24-hour period ending at 5 a.m. today, except Yuma. The forecast was for heavy rains to develop and continue through much of today into the night.

Rainfall totals up to this morning included 1.4 inches at Grand Canyon, 1.19 inches at Payson and a little over an inch at Nogales. Other totals included .85 of an inch at Tucson and Prescott, .76 at Williams, .61 at Sedona and .50 at Kingman.

The Weather Service issued a flash flood watch bulletin for Coconino, Yavapai, Gila, Greenlee, Graham, Cochise, Santa Cruz, Pima, Pinal and Maricopa counties and southern Navajo County. Streams in the Mogollon Rim area were reported rising after heavy rains.

The storm system hampered the search for a light plane missing on a flight from San Jose, Calif. to Phoenix.

10-4-72 Scottsdale Progress

City allots funds for first phase of flood control

The city council last night provided \$134,161 for construction of a half-mile long ditch which will be the first major project in the city's four-phase \$12.5 million flood control program.

The contract was awarded to Phoenix Constructor's Inc., on a low bid, to construct and rebuild the drainage ditch on the east side of 64th Street from Shea Boulevard north to Cholla Street.

Max Pelka, assistant city engineer, said the rock-lined ditch will average 16 feet in width and provide flood protection for an area which was severely damaged in the storm of June 22 and 23.

Pelka said Scottsdale is working closely with officials of both Phoenix and the Town of Paradise Valley to coordinate projects so that water can be carried from the ditch into Indian Bend Wash to the south.

Phoenix officials, according to Pelka, have agreed to share in the cost of building a bridge across the ditch or to build a sidewalk along 64th Street to protect children in the area as they travel to Cocopah School which serves the general area.

City Councilman Herb Drinkwater asked that the bridge be built or the sidewalk be constructed saying, "I don't care even if it costs \$5,000 — one child's life is worth more than that."

The safety precautions were proposed by Drinkwater who noted construction of the ditch would force the children to walk to school on the road shoulder of 64th Street

which is a heavily-traveled thoroughfare at hours when the children are going to and from school

Pelka said the construction and rebuilding of the ditch will increase the capacity there about one third and other modifications in curbs on a frontage road there will allow water to be dumped into the ditch instead of going into yards of homes in the area.

Pelka said the easements have been secured with developers to the south, including the Gold Dust Subdivision, to allow construction of a continuation of the ditch into the Town of Paradise Valley. He said Paradise Valley officials are coordinating their flood control efforts in a way that the water can be taken clear to Indian Bend Wash without damaging yards of homes in the general area.

Public Works Director Marc Stragier said work on the project is expected to be started in about 20 days and completed in about 90 days after the construction starts.

Stragier said about half of the funds to complete the work will come from federal agencies and that other monies will be provided from the city's capital improvement funds.

Pelka said he has been conferring with Phoenix officials for the past several days and they agree that either the bridge should be built or the sidewalk, of crushed stone, constructed to protect the school children from injuries in traffic accidents.

Rain damage is negligible

Skies were clearing today as city officials reported only negligible damage resulting from Tuesday's and Wednesday's rain which dumped 1.68 inches of rainfall in the Scottsdale area in 36 hours.

Police Chief Walter Nemetz, acting city manager, said the 15 traffic accidents reported during the storm were about three times the average for the city, but "other than that no serious damage was reported."

"If today's rainfall is no worse than yesterday's we can continue to count our blessings," Nemetz said.

Most serious accident was just south of Shea Boulevard on Scottsdale Road where brakes on a truck failed and the truck driver veered off the road to shear a utility pole causing a power shortage in the area for more than an hour. (See photo on Page 3.)

Police Assistant Gordon H. Gartner

said the driver, Fred Navarro, 21, of Tempe, told him the truck brakes failed and he steered the vehicle off the road to miss other vehicles which were slowing up for a traffic light.

Witnesses to the accident lauded a driver of a city truck and a driver of an asphalt truck with guiding other motorists around the high-voltage wires which were downed by the crash.

"Those two men may have prevented some of those other motorists from being electrocuted," one of the witnesses said.

City Councilman Herb Drinkwater said that some damage was caused to city streets in the North Scottsdale area but as far as he knew there were no homes damaged by the water.

City Councilman Dick Campana, residing at 7535 E. Cactus, said his yard and the yards of several neigh-

bors were flooded with four inches of water but none seeped into the homes.

"The only damage caused out here was that our winter grass seed and fresh manure was washed away by the rainwater," Campana said.

Drinkwater said he was told that flood waters had washed out several private bridges over arroyos in the area and that some damage had been caused to city streets.

City police reported only temporary blocking of Shea Boulevard and Pima Road and Indian School Road near Pima, but said all streets were open to traffic today.

County officials reported high flowing washes has caused the closing of Pima Road near Carefree and McKellips Road west of Hayden.

Nemetz reported most of the 15 accidents were minor and no serious

injuries were reported. He said causes of most of those accidents were rain-slick streets and brakes that became wet.

Max Pelka, acting public works director, said most of the street damage was in northeast Scottsdale along Thunderbird Road and stretches of Hayden Road.

Pelka lauded the Salt River Project officials for opening up the Evergreen Wasteway, northeast of Scottsdale, to prevent the Arizona Canal from overflowing.

"The canal was running only about half full at the peak of the storm and could have helped carry off much of the runoff water if the storm would have gotten worse," Pelka said.

Pelka reported that signs had been posted at the damaged spots in the streets and all thoroughfares were open to traffic today.

10/5 Scottsdale Proj

Flood Bonds: A Wise Decision

We cannot imagine a more up-sound reason for putting a flood control bond issue proposal on the November ballot than one that was advanced in arguments here: that the recent floods in Maricopa County would influence the voters to say yes to almost anything.

We do not believe it would work that way, and it is to the credit of the Maricopa County Flood Control District's Citizens Advisory Board that it rejected the idea and recommended against placing the proposal on the ballot.

On the basis of the statement by Col. John Lowry, flood control district chief, that complete estimates of cost, extent and environmental impact of flood control works could not be ready earlier than next July, it would be fiscal insanity to ask the people to vote X amount of dollars to do an unknown amount of work on unspecified projects at unlisted locations.

The flood control proponents must know that it will be difficult at best to obtain public acceptance of any but the most detailed of programs for installing flood control works. The environmental priorities — wildlife habitat vs. channel clearing, for example — have controversies built in which will require the most thorough analytical discussion.

Nor, as we have remarked before, can a bond issue be successfully promoted if, just for the sake of appealing to everyone, it is aimed at building something for everyone in the county. The people are not that parochial.

Flood control must be planned where it is most drastically needed, with marginal projects ruthlessly excluded, and the planning must be such that the ordinary person will know what is intended — and why. Anything else will be mere political wheel - spinning.

9-28-72 *Opzette*

Flash flooding watch still on

By United Press International

A flash flood watch for virtually all of Arizona remained in effect today as moisture from a dissipating tropical storm continued to spread into the state.

The National Weather Service forecast heavy rains in the south-central and southwest deserts this afternoon and in the central mountains by this evening. Heavy rain was reported this morning in the lower Colorado River Valley.

One flash flood during the night washed out a bridge over a small wash on U.S. 89, south of Tucson. Two persons suffered minor injuries when their cars plunged off the bridge.

The National Weather Service said that with the ground already saturated from earlier rains, chances were strong for considerable runoff if more heavy showers developed.

Rainfall totals for the past 24 hours generally were moderate to light. McNary reported the heaviest rainfall, .78 of an inch. Other totals included .55 at Show Low, .40 at Yuma, .39 at Bisbee, .34 at Tucson, .31 at Prescott and Ft. Huachuca, .25 at Payson and .07 at Phoenix. Scottsdale had .11 of an inch.

10-6-72
SDP PROGRESS

10-6-72 SDP

Low rain damage hailed by city

City officials were happy and relieved today over the relative minor damage caused by the last two days of rainfall.

Max Pelka, assistant city engineer, said the damage was negligible and that city workers will have everything back in shape to handle weekend traffic.

Pelka theorized that the work done by city crews after the June storms probably did much to keep water flowing into ditches which led to Indian Bend

Wash. He said most drainage and irrigation ditches had been cleaned and improved after the June storms and "that helped immeasurably."

Pelka said there were some washouts in the vicinity of Thunderbird and North Hayden Road but other streets suffered little or no damage.

Pelka said that repair of the streets will be done at a nominal cost using

normal maintenance crews with little overtime.

During the June 22 and 23 storm, it cost the city hundreds of thousands of dollars to repair damage to streets, parks, and other city facilities.

In fact, parks officials reported no damage to park facilities, noting that the rain did much to improve the grass growing in the areas which had been damaged extensively in the June storms.

10-6-72
SDD

Golf course site sought in wash

Executives of the Scottsdale Hilton Hotel today were talking with city officials on proposals to build an 18-hole golf course in Indian Bend Wash on about 90 acres between the Arizona Canal and McDonald Dr.

Bob Karatz, Scottsdale Hilton manager, said the talks still are in the preliminary stages but that he has conferred with Fred Holton, a nationally-known golf course architect, in planning for the 18-hole course. It would be built only a short distance from the Scottsdale Hilton which is due to open sometime in December.

City Public Works Director Marc Stragier said the golf course could be developed in one of two ways. First, he said, the city could acquire the property and then rent it back to the Scottsdale Hilton on a long-term lease. The second way, according to Stragier, is for the Hilton chain to purchase the property and grant the city a flood control easement for the development of the wash as outlined in the city's four phase plans.

Karatz said the hotel will open with 183 rooms but his firm has options to buy another

40 acres and additions to the winter resort are planned for the future.

The hotel manager said the agreement with Scottsdale would include the city building a foot bridge across the Arizona Canal so that hotel patrons would have access to the golf course.

Karatz said that if the golf course is built, it probably will be developed into a semi-private course which would be controlled by the number of golfers at the hotel wanting to use the course during peak tourist seasons.

"The course probably would be made available for public use during the off season," Karatz said. "That is my understanding of the policies used by other resorts in the area."

City Planner Bill Walton said he is pleased with the Hilton offer and hopes that it would culminate in construction of the course.

"That is the whole purpose of our green belt concept in development of the wash," Walton said. "Making recreation areas out of otherwise useless land."

10-6-72 SDP



SPUD HENRY, owner of a plumbing firm at 7132 E. Earll Drive says city officials are remiss in failing to improve Earll Drive just west of

Scottsdale Road. This photograph shows car wheel in one of the many potholes which Henry is complaining about.

Progress photo by Paul Brown

Condition of street draws plumber's ire

A Scottsdale plumbing contractor today criticized city officials for not taking action to form an improvement district for what he termed the "worst stretch of potholes in Scottsdale."

Spud Henry, who owns a plumbing firm at 7132 E. Earll, said he has had nothing but talk from both Mayor Bud Tims and City Works Director Marc Stragier in his attempts to get Earll Drive paved between Scottsdale Road and 70th Street.

Stragier claims Henry's criticism is not valid because the city has urged, for many months, that residents along the street take out petitions to get the necessary signatures of property owners to get the job done.

Stragier said the city has made futile attempts to maintain the street but, he said, "It is hard to make a silk purse out of a sow's ear."

Henry said he has been promised papers which are needed to pursue the petitions but that the city has consistently failed to cooperate.

"If they give me the necessary papers, I'll go from door to door to get the necessary

signatures," Henry said. "But so far I've got nothing but promises."

Henry claims the street is so bad that it has caused potential customers to seek services elsewhere rather than risk damaging their vehicles in the potholes.

"It's so bad that most of the mechanics in town run vehicles down the street to test them for rattles," Henry said. "A series of lakes form after every rain."

Henry said the city is "pouring good money after bad" when it continues to send crews to the area to patch the streets.

"It's only the matter of a few hours after the holes are patched that the material is gouged out again and the street is worse than before," Henry said. "It's time those city officials started thinking about the taxpaying public and took care of such streets, especially those so close to the center of town."

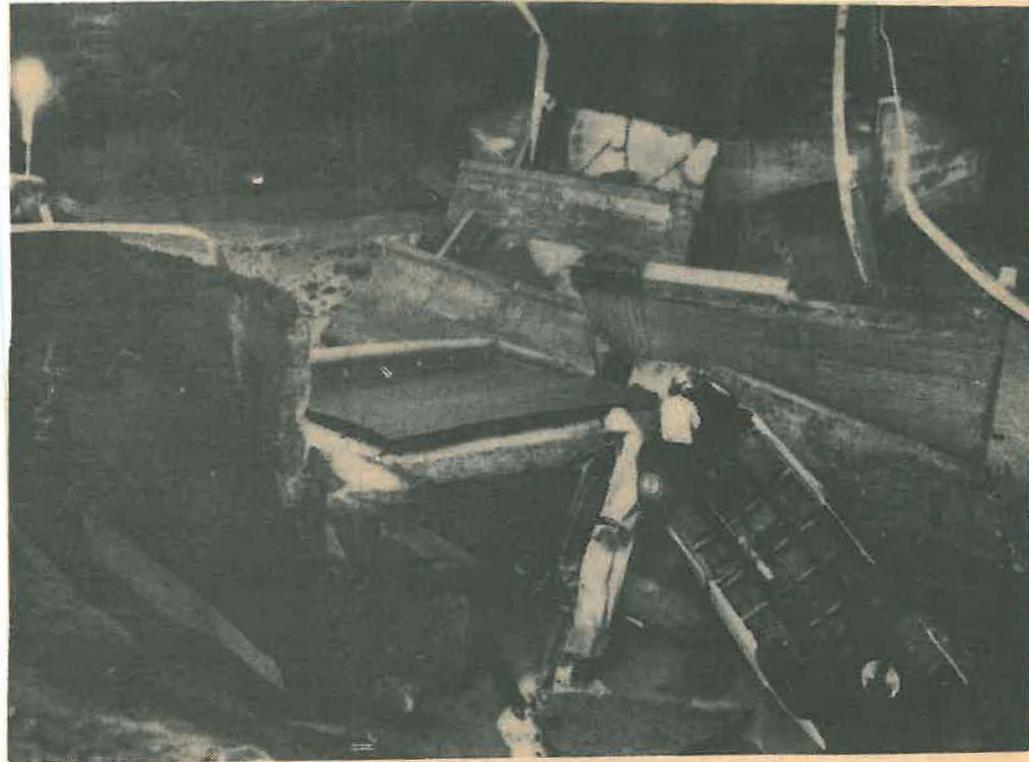
Stragier said that he would send street maintenance inspectors into the area today to determine what measures could be taken to correct the situation.

10-6-72 Mesa Daily
**Flood Study Set
In Tucson Area**

TUCSON (AP)—The U.S. Army Corps of Engineers will study flood probabilities of the Rillito River and Pantano Wash near here, Col. H. Roper Jr., district engineer said.

Roper said the Pima County Board of Supervisors requested that flood hazard areas be identified.

The report, Roper said, will indicate the extent of past and future flooding problems, but will recommend no flood control solutions.



BRIDGE WASHOUT — Torrential rains caused a wash south of Tucson to overflow early Friday, washing out this bridge on U.S. 89. The Arizona Highway Patrol reported a car and a truck plunged into the wash after the bridge collapsed, but no one was injured seriously. The road was closed following the washout. (AP Wirephoto) 10-7-72 Mesa Tribune

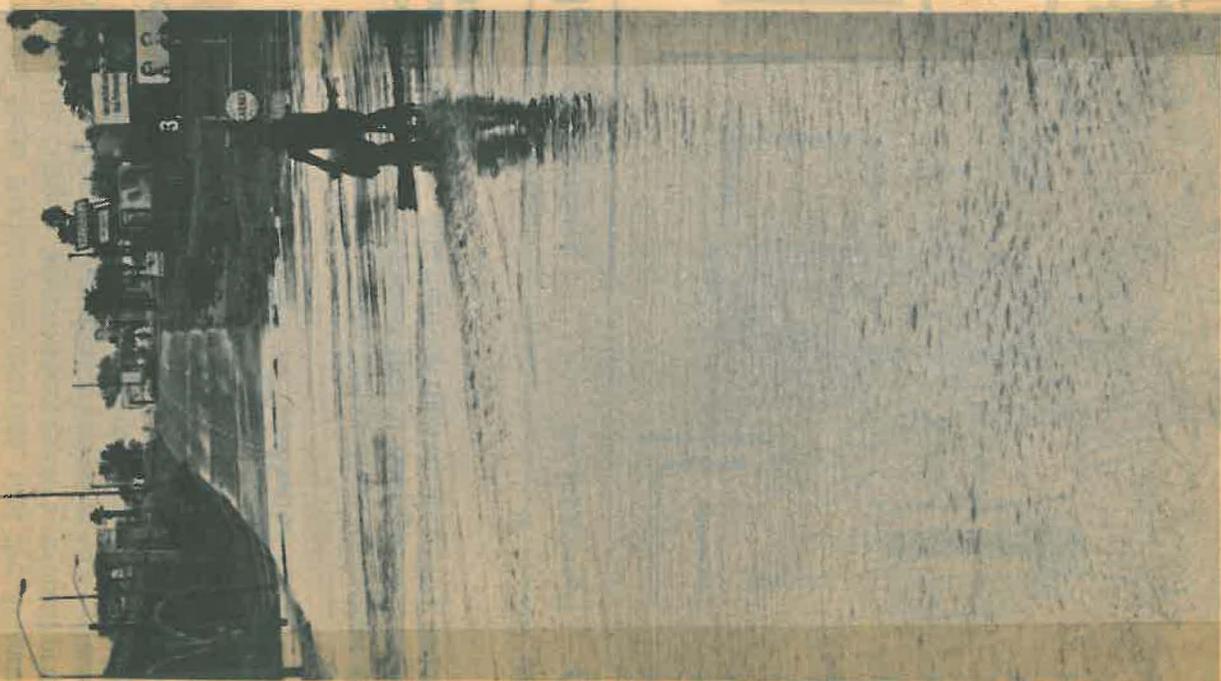


TRAFFIC JAM — Mill Avenue became a motorists nightmare after the flood waters filled the Salt River Saturday. The Tempe Bridge became one of two access roads in and out of Tempe from Phoenix and Scottsdale.

10/17/72 TDN

Tony Lesce Photo

Tempe



NOT EXACTLY SMART — a young, unidentified man attempts to cross the Salt River on his bicycle on Van Buren street this morning as water rushes down the river. Not the smartest thing he should try. This photo, taken early this morning, shows the amount of water coming down, but reports received say that the river was much higher by noon. More photos on page 10.

Tony Lesce Photo

10/17/72 TDN



Progress photo by Paul Brown

DESPITE EFFORTS by authorities to barricade Shea Boulevard (above) many motorists decided to fight their way through the flooded street. One unlucky bread truck driver (below) found the rushing water on Thomas Road a bit too powerful this morning. The truck was knocked over near Hayden Road. The identity and condition of the driver were not known at presstime.



Photo by Roger Benne

Scottsdale Daily Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

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SCOTTSDALE, ARIZONA, SATURDAY, OCTOBER 7, 1972

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SEE OVER →

Despite heavy runoff

Storm damage light

By JACK KARIE
Progress Staff Writer

The sun peeked through the clouds before noon today, ending four days of storms which dumped nearly three inches of rain into the Scottsdale area.

Despite considerable runoff water from Friday's rain, over already saturated ground, Scottsdale police and other city officials reported property damage was light.

Only a few houses in Scottsdale, north of the Arizona Canal, and a few in Phoenix suffered water damage, but it was nothing like the flood that hit the area in June, driving many persons from their homes.

One death, an electrocution in Northeast Phoenix, was attributed to the storm which swept across Phoenix for the fifth straight day. The victim was Jack Adamson, 25, who died when he apparently attempted to remove a downed power line from his car as he left his telephone company job in Northeast Phoenix.

There was enough runoff from the storm to force the Salt River Project to release water from Saguaro Lake into the normally dry Salt River Bed which runs through Tempe just south of the Scottsdale city limits.

City officials reported that all of the major arterials in Scottsdale were opened by noon today but that major roads leading south toward Tempe would probably remain closed until late tonight. Water was still flowing in the Indian Bend Wash at noon.

As in most emergencies here, Radio Station KDOT was used to broadcast emergency messages

throughout the Scottsdale area. That information was fed to the broadcasters by Jeanne Allen, city information specialist.

Dozens of city employees worked through the night, with another shift starting today at 8 a.m., controlling traffic at several flooded intersections and rerouting traffic wherever necessary.

Marc Stragier, public works director; Don Renz, assistant city planner; and Dave Harris, city community development director, manned telephones and radios at city hall while Pat Neal, an inspector for the engineering department, kept things moving in the field.

City refuse trucks and other vehicles were used to transport sandbags and earth fill to several areas with the hardest hit being about 20 homes near 68th Street and Lafayette Boulevard.

Darkened thoroughfares were brightened by red flares as the city workers made sure motorists coming home from Friday night parties or taverns stayed clear of danger areas where some road shoulders had washed out.

Peak of the flow hit Indian Bend Wash (3,300 feet per second) at about 2 a.m. and Scottsdale, as usual, was cut into two parts as the storm lessened. By 10 a.m. today the water in the wash was running at about 2,000 feet per second and most of the crosstown arterials were back in business.

Pima Road was open for traffic at about 3 a.m. with Thomas and McDonald opened shortly thereafter but it was 5 a.m. before the city officials deemed McDonald Drive and Thomas Road safe for travel. It was after 10 a.m. today before Camelback Road was reopened to traffic.

Salt River Project workers opened floodgates at Evergreen wasteway and some water from the Arizona Canal was dumped into Indian Bend Wash at the peak of the rainfall.

More than 1,000 sandbags were filled and distributed to homeowners in the city as the floodwaters started cresting around homes at about midnight.

Neal made a dramatic entry into the football stadium at Saguaro High School where that school was engaged in a game with Coronado. Only three minutes of the game had elapsed when the rain started coming down in buckets and Neal warned spectators they had better start heading for home if they did not want to spend the night at the stadium.

Stragier said there were several vehicles which overturned as drivers drove their vehicles through high water onto shoulders softened by the rain. No one was believed to have been seriously injured in the accidents.

Scottsdale Police reported about a dozen accidents on city streets since 5 p.m. Friday when the rain began and early this morning. Most of these accidents were on the "fender-bender" variety, police said. No injuries were reported.

Police said east-west streets were closed with the exception of Thomas, McDonald, Shea and Camelback. Passage on these streets is limited, police said. Police anticipated that several streets would open up later today.

Police urged drivers to slow down when driving through standing water in order to prevent cars from stalling and further disrupting the traffic.

SAIGON (UPI)—The allies have prepared a plan providing that all U.S. troops withdraw and President Nguyen Van Thieu offer his resignation in exchange for release of U.S. prisoners and a North Vietnamese pullout from South Vietnam, well-informed South Vietnamese and American sources said Friday.

The sources said the plan also involved an end of American bombing and the naval blockade of North Vietnam.

In Washington, the White House dismissed as "totally speculative" reports that Thieu will offer to resign under a new allied peace proposal.

Administration officials avoided outright denial on grounds they have a commitment not to discuss negotiations. They cautioned against growing reports that the possibility

of a ceasefire and a compromise settlement is imminent.

The sources said Thieu would offer to step down under the plan in favor of Sen. Nguyen Van Huyen, speaker of South Vietnam's Senate.

The plan will be presented to the North Vietnamese prior to the U.S. election Nov. 7, the sources said.

The sources said the plan was discussed by Maj. Gen. Alexander Haig, an aide to presidential adviser Henry A. Kissinger, in his conferences with Thieu earlier this week.

There would be no provision calling for an end to fighting between the South Vietnamese and Viet Cong. But Hanoi would agree to negotiate "seriously" alongside the Viet Cong toward a settlement.

WASHINGTON (UPI)—A federal judge Friday eased his order prohibiting out-of-court comment by principals in the Watergate bugging case following attacks by Democratic leaders and the news media against the ruling.

Only attorneys, government prosecutors, law enforcement agents and the defendants themselves remained under orders not to talk about the case under a clarification of the original ban issued by U.S. District Judge John J. Sirica Friday.

Sirica, saying "it is not the intention of this court to affect congressional activity, political debate or news media reporting," specifically removed from the ban witnesses, potential witnesses, complaining witnesses and alleged victims.

Rep. Wright Patman, D-Tex., chairman of the House Banking Committee, promptly announced he would again seek committee approval to conduct an investigation of the alleged break-in and bugging of Democratic National headquarters in the Watergate apartment complex here.

A similar effort last week was voted down by a predominantly Republican majority in the committee after the Justice Department said public interviews of witnesses and others connected with the case would jeopardize the rights of the accused and the government's chances of conviction.

Sirica will be presiding judge in the trial of seven men — including two former White House aides — who were indicted in the connection with the break-in.

Thursday, at the request of an attorney for defendant E. Howard Hunt Jr. and reportedly also at the urging of the Justice Department, Sirica issued an order prohibiting anyone connected with the case from making "extrajudicial statements concerning any aspects of this case" which might be prejudicial to a proper trial.

SRP to cut water Conlan to farms in 1973 hits foe 'team'

The Salt River Project plans to release a reduced amount of water next year for agricultural and subdivision purposes due to the small amount of water in Project reservoirs.

The Project's board of governors has set the annual water allotment for 1973 at two acre-feet per acre. It is the first time since 1951 that the allotment has been less than three acre-feet per acre.

SRP President Karl F. Abel said the board will review the allotment after the March and April runoff. If runoff has increased the amount of water in the reservoirs, the allotment will be revised upwards, he said.

Abel said the reduced allotment would have its greatest impact on agriculture and subdivision

accounts. It would have almost no effect on municipalities.

"Although it is improbable that during the coming year the Project will suffer from the lowest inflow in statistical history, we were forced to contend with that possibility," Abel said. "If that condition would occur and the allotment were set at three acre-feet, our reservoir system would be dry by the middle of September, 1973. By reducing the allotment to two acre-feet per acre, we are assured of at least 200,000 acre-feet of water remaining in our reservoir system."

Abel also announced that the board had approved a budget of \$289 million for 1973, an increase of 42 per cent over the 1972 budget.

Woman is injured in two-car collision

An 18-year-old Scottsdale woman injured slightly Friday afternoon when the car in which she was a passenger hit a second car at the intersection of 70th Street and Indian School Road.

Cindy Hinsdale of 4235 N. 68th Pl. was treated and released at Scottsdale Memorial Hospital following the 1 p.m. accident.

She was a passenger in a car driven by Dwayne Kirk-

patrick, 21 of 7421 E. Holly. Police said a car driven by Keith A. Swesey, 16, of 8709 E. Terrace Dr. was headed north on 70th Street. The brakes failed when he tried to stop, police said, and Swesey's vehicle was hit by the second car which was eastbound on Indian School Road.

Swesey was cited for driving a vehicle with defective brakes.

Man charged for marijuana

Scottsdale police arrested an 18-year-old man around 5:30 p.m. Friday and charged him with illegal possession of marijuana.

Police identified the youth as Charles A. Henry, 18, of 7847 E. Culver St.

Police were sent to 77th and Roosevelt streets to investigate a report that subjects were selling marijuana

in the area. The officers found Henry and four other youths in a parked car near the intersection.

Police said a search of the car revealed two plastic bags containing a leafy substance believed to be marijuana. Henry was searched, and police said a small amount of the same substance was found in his pockets.

Admiral to launch Navy Week for Rotary

Rear Adm. Wesley McDonald, commander of one of the Pacific Fleet's carrier divisions, will kick off National Navy Week Monday with a speech before the Scottsdale Rotary Club.

McDonald, who began his Navy career by participating with Adm. Richard E. Byrd in the South Pole expedition in 1946-47, will speak to the

Rotarians at a noon luncheon at the Camelback Inn.

The admiral also is slated to speak to the Phoenix Kiwanis Club Tuesday at the Westward Ho Hotel.

The highlight of next week will be Friday.

2 police to Olym

Two Scottsdale Police officers today were assured funds needed to take them to

Ambulance gets through

An ambulance fights its way west through deep water on Osborn Road this morning. Hayden Road is in the background. The rain which has fallen since Wednesday made many city streets

look much like canals of Venice, to the dismay of motorists. But the youngsters on bicycles seem to be enjoying the wet weather.

Goodyear to move \$1,300 in items 3 plants to Valley taken from home

LITCHFIELD PARK (UPI) — Goodyear Aerospace Corp. plans to transfer three manufacturing operations from its main plant in Akron, Ohio, to its plant here.

Company President Morris B. Jobe said Friday that details of the move have not been worked out, but \$2 million will be spent on preparing the Arizona facility.

Jobe said a sizeable number of personnel will be transferred to Arizona. The move is expected to be made in about a year, he said.

The transfer will involve the manufacture of portable shelters, now being used by the air force to set up a base at the site of an air strip; cargo and baggage containers to facilitate the loading and unloading of wide-bodied jet aircraft; and bonded paneling.

Scottsdale police are investigating the apparent burglary of the home of F. C. Barton, 4822 N. 76th Pl., in which more than \$1,300 in valuables was taken.

Listed as stolen are a color television set valued at \$430 and various jewelry items valued at around \$850.

Police said the incident occurred between 4 and 7:30 p.m. Friday. Entry was gained by forcing the front door handle. The living room and the bedroom of the residence were ransacked, police said.

A St. Louis, Mo., couple told

Scottsdale police Friday that about \$2,200 in clothing, jewelry, cameras and other items was taken from their room at the Ramada Safari Hotel at 4601 N. Scottsdale Rd.

Police said Mr. and Mrs. Edward Cannon left their room locked when they went to dinner around 9 p.m. Thursday. When they returned to their room around 11:15 p.m., they noticed the door was partly open.

Police said the couple noticed that their belongings were missing and reported the incident to police early Friday morning.

Workman gets shock

A Phoenix man was reported to be in good condition this morning at Scottsdale Memorial Hospital after he reportedly received an electrical shock while working

on an air conditioning unit.

Thomas Robins was taken to the hospital shortly after 10 a.m. Friday, the Scottsdale Rural Fire Department reported.



Photo by Roger Be

NATION'S TEMPERATURES

By United Press International
Temperatures and precipitation for the 24-hour period ending at 4 a.m. today:

High-Low Pcp.
Albany 74 57 .68
Albuquerque 62 48 .08

Pittsburgh 63 58 .81
Portland, Me. 63 55 .01
Portland, Ore. 78 45
Rapid City 62 37
Reno 67 44
Richmond, Va. 69 62 3.22

Mesa Swamped By Heavy Rain

Police Kept On Run

By CAROLYN WOODARD

Mesa police were swamped with calls last night as city streets were deluged with rainfall causing flooded streets, stalled cars, road cave-ins and a broken canal.

City crews were called out to erect barricades and blinking caution lights.

Eight police prowl cars were dispatched to the east side of town to aid in moving traffic around washed out pavements and keep swamped cars moving.

The Consolidated Canal at Broadway and Lindsay reportedly broke, sending water into a trailer park where mobile homes were being flooded, said officers. Cars were directed east off Broadway to Lindsay. At one time four cars were reported stalled on Lindsay.

Brown Rd. was listed as flooded out and impassable for motorists between Stapley and Gilbert.

Main St. between Mesa Dr. and Lindsay was almost impassable as giant chuckholes were reported opening along the main artery where a stormdrain job is in progress. Both Horne and Main and the 900-block of E. Main were pegged with collapsed pavement and sites of temporary repair washouts.

Sides of the excavation were reportedly dropping into the middle of the highway where the new storm drainage system is located.

Several inches of water were

More About Mesa Storm

(Continued from page 1.)

causing traffic jams and stalled cars at Southern and Dobson and northward on Dobson to Broadway.

Plugged storm drains at Stapley and Broadway were creating a hazard to homes in the area where residents began calling police at 10 p.m. to report their houses being flooded.

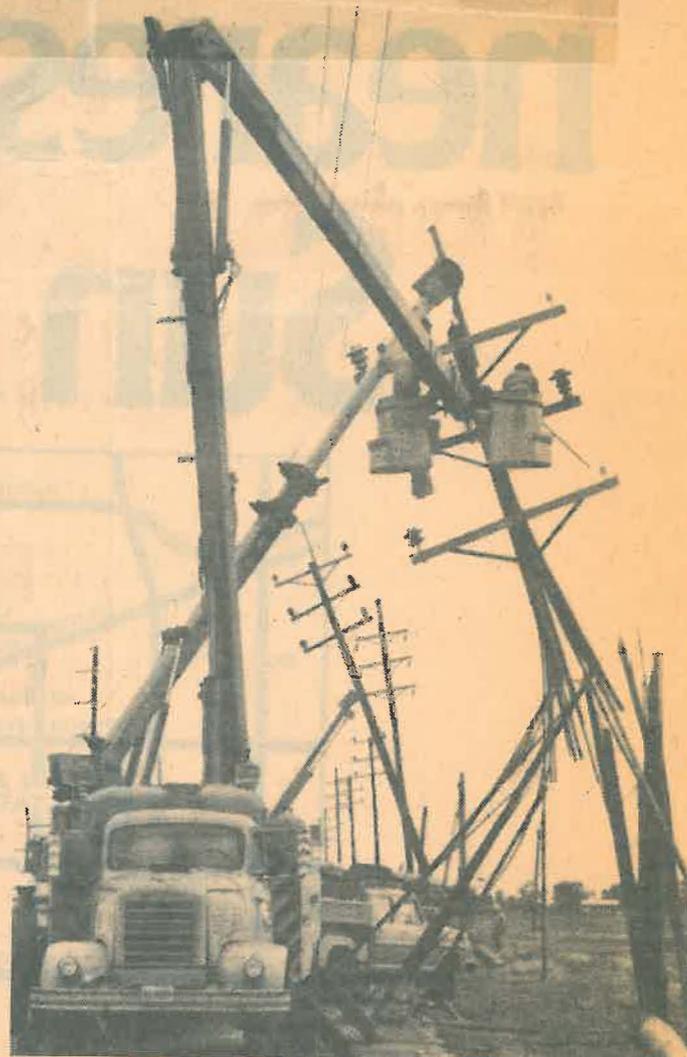
At Broadway and Horne police were told Mesa Jr. High was being flooded by similarly backed up storm drains.

Critical areas were listed on Main between Horne and Stapley and between Mesa Dr. and Hobson.

Salt River Project employees notified police they will begin releasing 500 feet of water per second down the Salt River around midnight and it would probably reach N. Country Club Dr. just above McKellips Rd. around 2 or 3 a.m.

It was pointed out that it would create no hazard to the roadway as 2,000 feet per second were released during the last time the river had water in it.

Lightening was believed to have knocked out street lights along Stapley and police were attempting to determine if a transformer were struck.



STORM TOPPLES POWER POLES — Repair crews work to replace a power pole splintered when high winds pounded an area in the Tolleson area Friday. Utility officials said 10 to 15 poles were toppled by the high winds. (AP Wirephoto)

(Continued on Page 12)

CONTROL DISTRICT
A COUNTRY
DURANGO

85 119

Where Do We Shut Off The Faucet?

The rains that have fallen on the Valley in the last four days has started creating hardships for the residents and working people in Tempe.

Some minor flooding, the relocation of fire fighting

equipment and the closure of several roads, together with a high number of traffic accidents have occurred because of the rain.

Parking and commuting to Sun Devil Stadium should be

interesting as the river bottom and most dirt parking lots are already full — with water.

The bridge that is used in the river bottom on Scottsdale road was closed by the Sheriffs Department because it ap-

peared to "be sinking and the water has not really hit it yet," a deputy said. "When all the water gets here, it will be a mess," he said.

The Tempe Fire Department has relocated one of its pumpers

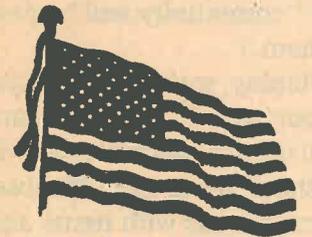
to the Water Filtration Plant so they can respond to fires in the northern part of town quicker. Fire officials said with all the road problems near the river bottom, they felt it necessary to move the truck.

Damages from traffic accidents in Tempe yesterday totalled more than \$9,000 in a dozen mishaps.

The most serious accident occurred Friday afternoon

Turn to Page 10

Tempe Daily News



TEMPE, ARIZONA, SATURDAY, OCTOBER 7, 1972

607 Mill Avenue

85th Year—No. 241



STRANDED — Cars around the Valley were left after water in the streets caused extensive flooding last night. The car pictured here was left after it stalled last night at the Valley Plaza Shopping Center at Southern avenue and McClintock drive.

Jan Young photo



FROM BUTTE — The lower road was closed before the water reached the Tempe bridge area today around 11 a.m. When the water arrived, it measured 200 feet across at some points in the river. This photo was taken from Hayden Butte before the released water arrived.

Tony Lesce Photo

Storm

—From Page 1

when three cars collided after one car jumped the curb on Mill avenue near Curry road.

A car operated by Norman M. Johnson, 3001 North 22nd Street, Phoenix, jumped the curb at 60 miles per hour according to Tempe police. He struck two other cars, one driven by Michael C. McFadden of 1978 East Del Rio drive and another driven by Marion V. Johnson of Phoenix.

Damages to the three vehicles was estimated near \$4,000.

Two single car accidents also caused almost \$2,000 in damages yesterday.

Linda L. Canaran, 1718 South Jen Tilly lane No. 113, attempted to turn early this morning at the corner of Vista del Cerro and Rural road, and

Public Safety said flash flood warnings are issued for the state, as rain is still falling, especially in the north and eastern areas of the state. Most roads are open, but standing water and rock slides are possible.

The department said they have had many accidents because of the storm and recommend all motorists to remain at home unless they have to drive.



OVERFLOW — Water from a Salt River Project irrigation standpipe flows into the street at Mill avenue and Southern avenue last night. The system carries irrigation water and also serves as a drain system for the city until another system is completed.

Jan Young photo



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Two single car accidents also caused almost \$2,000 in damages yesterday.

Linda L. Canaran, 1718 South Jen Tilly lane No. 113, attempted to turn early this morning at the corner of Vista del Cerro and Rural road, and lost control of her car. She jumped the curb, struck several bushes and came to rest at a tree. Police estimated her speed at 30 miles per hour.

Another car, driven by William L. Wilson, 1233 South Del Rio drive, struck a parked vehicle yesterday. Wilson told investigating officers that he swerved to avoid another car and slid into the parked car owned by Carroll L. Coplin, 113 East Fairmont drive.

Another accident occurred when a car was following a car too close, and could not stop when the car in front slowed down because of street flooding.

The storm moved into the Valley yesterday after a tropical storm broke up over southern California. Tempe and surrounding areas missed the brunt of the storm, which traveled to the north of the Valley according to the National Weather Service.

O. L. Barnes measured 1.17 inches of rain yesterday with a total rainfall of 2.46 for the last four days.

Mrs. Howard Hines in southeast Tempe said she measured 1.03 inches of rain yesterday, UA Experimental Farm recorded 1.22 inches, the Water Filtration Plant measured 1.16 inches and Sky Harbor International Airport measured .86 yesterday, and 1.93 for the week.

Salt River Project officials said they can handle all the rain that falls above the Verde River dams, but that the water coming down the Salt River now, fell below their dams. They said if the rain ends, the river will start to decrease, but if more rain falls, they could not say what would happen.

The Arizona Department of

Public Safety said flash flood warnings are issued for the state, as rain is still falling, especially in the north and eastern areas of the state. Most roads are open, but standing water and rock slides are possible.

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OVERFLO
at Mill ave
also serves

TDN

WS, Saturday, October 7, 1972

Page 15

Man Is Saved From Salt River

TDN heard a story this morning of an act of bravery that only happens on the spur of a moment — but one unidentified man is happy that those moments come along when they do.

It seems a furniture truck, with two men in it, got stranded when it tried to cross the Salt river at Hayden road.

They finally got out of the cab and one man waded to shore, leaving one in the bed of the truck. The man in the truck apparently made a rope of furniture webbing and threw it to shore, hoping to drag himself to dry land.

As he started to cross the river, which had now gone up "five or six inches" according

to Charley Sweet, who related the story, a piece of debris hit the man and although he managed to hang on to the rope, he was visibly shaken.

"About that time, two young men came along in a pickup and one of them waded out and brought the man to shore," Sweet said.

"I didn't get any names, just a license number, NA-5547, of the pickup the two young men were driving. Just after they got the man to shore, the furniture truck was swept down the river. I don't know who those young men were, but they should be commended," Sweet said.

"I don't know how they did it, because I just stood there frozen," Sweet said.

10/17/72

Mesa Tribune



OVER ABUNDANCE of water was the rule in Mesa at many locations during the shower activity of the past several days. This shot on South Country Club near 2nd Ave., shows water up to hubcaps of truck with the station wagon experiencing rough going. (Tribfoto)

10-9-72 Mesa Tribune

Joanne Leaves

Arizona Soaked

By THE ASSOCIATED PRESS

Most of Arizona continued drying out today, as four days of rain generated by tropical storm Joanne moved north-eastward and dissipated.

Flood alerts remained in effect until noon Sunday along the Little Colorado River at Winslow and Holbrook, but were lifted when the river began receding with police reporting no damage.

Spokesmen at the Arizona Game and Fish Dept. hatchery north of Payson reported more than 7 inches of rain in three days. Flagstaff picked up nearly 3 inches and Phoenix 1 inch in a 24-hour period.

Runoff and water released into the normally dry Salt River from Canyon and Saguaro lakes forced authorities to close more than a dozen major streets and intersections in the Phoenix area.

National Guard trucks were called upon for a time Saturday to rescue motorists stranded on the roofs of their cars in flooded washes.

The deaths of two persons were attributed partially to the storm. Jack Adamson, 25, of Phoenix was electrocuted when he attempted to lift a fallen power line from his car, and Alma Jimenez, 5, died when her father's car skidded from rain-soaked U.S. 89 north of Tucson and overturned.

Rockslides occurred on several mountain roads, but were quickly cleared, with no mishaps reported.

Major highways reported closed Sunday were U.S. 89 south of Tucson where a bridge was washed out and U.S. 80 at the Agua Fria River, west of Phoenix. Arizona 88 was closed between Roosevelt Lake and Payson.

SCOTTSDALE 10/9/72

City — cut off 2 ways

The Indian Bend Wash, which traditionally has divided the city east and west south of the Arizona Canal, recently has added the north side of the city to its isolation plan.

A number of residents contacted the Progress today to complain that Scottsdale Road and Shea Boulevard have been blocked during each of the heavy rains this year, cutting off the north section from emergency services.

This was not always the case, they said. One caller blamed development of the Camelback Country Club, on the west side of Scottsdale Road, and the Kaiser Aetna McCormick Ranch, on the east side, for impeding the flow of water and blocking the thoroughfare.

Most of the complaining citizens voiced anxiety over the fact that they are cut off, during rainstorms, from access to hospitals and to other places for emergency treatment, all located in downtown Scottsdale.

The city previously had arranged for doctors and nurses and ambulances to be stationed in East Scottsdale and for arrangements with the Arizona National Guard for helicopter rescues in time of dire emergencies.

Meanwhile city crews were busy today repairing damaged roads, especially washed-out shoulders, and making general repairs to drainage ditches which had been washed out during the three-day rainstorms.

Public Works Director Marc Stragier reported the damage negligible and said that all roads and streets probably would be fully repaired by the end of this week.

He said that many residents used sand bags and plastic sheets to keep water out of their homes. He said only about 20 homes north of the Arizona Canal had suffered any appreciable damage from the water.

Stragier said most of these homes would be protected when a siphon is constructed in the Arizona Canal to carry it under the Indian Bend Wash and allow flood waters past the canal.

Ground Breaking Slated For Dreamy-Draw Dam

A ground-breaking ceremony for the first work in the county's comprehensive flood-control plan to protect north Phoenix is scheduled at 2 p.m. Monday.

The Dreamy Draw Dam is to be built by the Army Corps of Engineers at a cost of \$338,870 about two miles northeast of the 16th Street and Northern Avenue intersection.

It can be reached by turning east onto Northern at 16th Street, following Northern to the Dreamy Draw Drive turn-off and taking an unnamed road forking to the north off Dreamy Draw Drive to a parking area near the dam-site.

The Maricopa County Board of Supervisors adopted the comprehensive flood-control plan Aug. 28, 1963, approved the construction sequence the following Feb. 10 and on Oct. 23, 1967 passed the resolution fixing the sites of Dreamy Draw and three other dams.

Other North Phoenix plan works are Cave Buttes Dam on Cave Creek, New River Dam, Adobe Dam on Skunk Creek, Union Hills and Arizona Canal diversion channels, channelization of the Agua Fria River from Indian School Road south and channels from the dams to the appropriate diversion channels.

Gazette 10-11-72

SCOTTSDALE 10/11/72

Flood plain ban asked

PARADISE VALLEY — Subdividers wishing to develop land in the town will have to meet three additional building stipulations if a proposed subdivision regulation ordinance is passed by the Town Council Thursday.

Up for adoption is an ordinance which would require subdivision developers to raise the level of streets and building sites a minimum of one foot above the 100-year flood line on all land which falls within the flood plain in the Indian Bend Wash.

In addition, no building permits would be issued for subdivisions planned for land within the encroachment line.

The ordinance also would change from five to four the minimum required number of

lots in a subdivision and would stipulate that developers must submit 17 copies of preliminary plats to the planning and zoning commission. Currently only six copies are required.

They are sent to various state, county and local agencies which have jurisdiction over certain aspects of subdivision development.

Town Manager Jack Phillips said Tuesday that requiring the raising of streets above the 100-year-flood plan would be another step in assuring potential home buyers that their property will be less susceptible to flooding.

As stipulated in present building regulations only building sites need be above the 100 year flood plain, leaving streets and driveways subject to flooding.

Scottsdale 10-12-72
John Stragier
John Effort

Tempe, city seek wash drain land

City of Tempe officials and the Maricopa County Flood Control District today were working with Scottsdale officials to acquire land necessary for drainage of Indian Bend Wash into the Salt River.

Public Works Director Marc Stragier said he is working with Grover Serenbetz, his counterpart in Tempe, on details for acquisition of land needed to take flood waters of Indian Bend Wash the last mile into the Salt River. The last mile of the wash is in Tempe.

Stragier said that he and Serenbetz have a promise from Col. John Lowry, flood district manager, that Lowry will ask the district's advisory board to provide funds, estimated at about \$200,000, for acquisition of the 200-foot-wide easement. Stragier said other arrangements have been made with a Tempe developer to provide right of way for the channel in the southernmost portion of the wash.

Stragier reiterated the right of way is necessary for the channel which will have to be built as Scottsdale completes its first phase of a four-phase flood control program including channelization of the wash through Scottsdale and Paradise Valley.

Meanwhile Stragier said city crews now were repairing about \$20,000 damage to streets and ditches caused by last week's rain storms. He said most of the damage was confined to North Scottsdale especially along Hayden and Indian Bend Roads.

He said that he and Richard Brown, in charge of city streets and traffic, will confer with contractors who are expected to start, in about two weeks, construction of a drainage ditch along 64th Street between Cholla Street and Shea Boulevard.

Scottsdale 10/13/72

From federal sharing Flood control plan gets boost

Funds for the construction of part of the first phase of Scottsdale's four-phase flood control program were assured today with passage of the federal revenue sharing bill.

Mayor Bud Tims said that an estimated \$360,000, expected as Scottsdale's share of the total \$30.1 billion, which will be sent to states before the end of the month, will be used exclusively for flood control projects.

Public Works Director Marc Stragier said the \$360,000 will be earmarked for the purchase of 60 acres belonging to Mrs. Grace Hudson in the wash just south of the Arizona Canal, and also for the purchase of other properties in the wash and some projects planned during the first phase.

Stragier said some of the money probably will be expended to install drainage culverts and to im-

prove street drainage to give relief to many homeowners living directly north of the canal. He said some will be used to build large culverts under McDonald Drive, Thomas Road or Indian School Road in the wash.

The 60-acre Hudson property is now being appraised by city-hired appraisers and an offer, according to Stragier, will be made in the near future.

The property, which will be used as a drainoff area if a siphon is built for the Arizona Canal to flow under the wash, probably will be developed into an 18-hole golf course. Executives of the Scottsdale Hilton have expressed an interest in developing the golf course on a lease basis with the city after the land becomes public property.

Stragier said the city plans to build dikes along the wash below the canal but said he doubts if the

first federal check of \$360,000 will cover the cost of this project in addition to the other more important construction.

Both Stragier and Tims said that if the state revenue sharing plan is passed by the voters in the general election Nov. 7, the completion of all four phases is assured.

The mayor estimates Scottsdale's share of the state revenue also would come to about \$750,000 annually. That, coupled with the federal funds of about the same amount, is more than enough to finance the city's \$7.5 million share of the complete project estimated to cost about \$12.5 million. Other agencies, including the Maricopa County Flood Control District and the U.S. Corps of Engineers, are expected to furnish funds to cover about \$5 million of the total cost.

Scottsdale
10-12-72

Get the bridge built

Ever since we can remember there has been talk of building a bridge over the Salt River between Scottsdale and Tempe. Well, when will it happen? The County talks about next summer.

Every time there is a heavy rain in the Valley, the community is cut in half. It costs business, motorists and residents millions of dollars each time. After the Valley has been cut in half, there always is talk of a bridge. But nothing happens.

Last Saturday evening it took most Scottsdale residents at least an hour and a half to get to Tempe for the Arizona State University football game. Earlier in the day delays of nearly an hour were reported.

While stuck in traffic we wondered what would have happened if there was an accident on the Tempe bridge or if there was an emergency such as a fire. Nothing could have been done.

With nearly 200,000 persons living in the general Scottsdale-Tempe area, traffic along Rural and Scottsdale Roads between the two cities is heavy. It also is the fastest growing part of the Valley, and it attracts huge numbers of tourists.

How can anyone question the urgent need? The County Supervisors should make an all-storm bridge their first capital priority in the coming year. Next summer is too far off.

It's just a sometime stream

Up river from the Salt, sightseeing guides proudly show tourists the lovely Indian Bend Wash with its dramatic sewage-brown water running by grassy banks swirling in rivulets and cascading over the rapids.

Visitors standing on the West Bank of the Wash can watch natives across the water on the East Bank. In turn the easterners are able to see activity across the way. From both sides curious visitors and proud natives watch the wonderous stream roar through the middle of the community.

Usually this great river is non-existent, so people pay little attention to it. But when it rises up in wrath it dissects beautiful Scottsdale and separates its people.

It does not happen often. Most years there is only one flood great enough to divide the city in half. Then

there is a period of hand-wringing and promises of action. But soon all is forgotten, and the natives go about their business.

When the floods come, business between east and west is halted. Travelers are stranded and the mighty Wash keeps the population from moving freely across town. It happened last summer, and it almost happened again last week.

For years there has been talk of finding a solution. But talk is cheap, and bridges and culverts are costly. So there is only talk.

Somewhere Scottsdale needs an all-weather crossing of the Wash. Thomas Road probably is the logical location. There is no excuse for continued delays. A start should be made now. We cannot afford to have the city cut in half again.



This engineering drawing details the \$1.5 million flood control network now under construction at Fountain Hills.

Fountain Hills has it!

The best time for a new community to think about flood control is in the beginning — at the blueprint stage.

Then, flood control can be designed as an integrated system that takes into consideration the natural terrain and ecology of the area.

That's why McCulloch engineers were busy two years ago designing a flood control system for Fountain Hills.

The system is being constructed today. It passed its first test with flying colors — the June "once-in-25-years" cloudburst that hit the Phoenix area. There were no major flooding problems at Fountain Hills even though only one of seven planned retardation "dams" was then completed.

Fountain Hills flood control starts with the land itself — high above any flood plain, wide wash or canal. Building sites will be located above the top level of the effects of projected inundation from major storms.

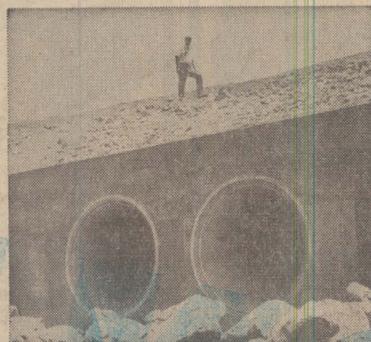
But McCulloch engineers know it's possible for the "impossible" to happen and are building a man-made flood control system into Fountain Hills as a back-up system. This system includes retardation structures, culverts and graded channels designed to retard water and release it at controlled rates.

Many of the channels will remain as controlled open spaces and be developed into natural park facilities and a network of hiking and riding trails. Planting in flood control channels will minimize erosion.

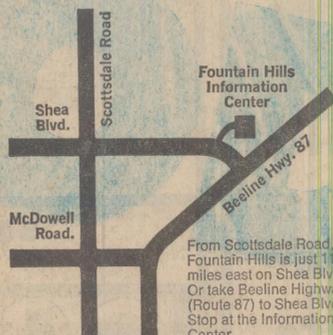
In 1972 alone, \$550,000 is being spent on Fountain Hills' flood control system. The estimated cost for the entire system when completed is over \$1.5 million.

We want you to live with peace of mind when you build your home at Fountain Hills.

Come out and visit Fountain Hills. Stop at the Information Center for a tour. Inspect the choice building sites available.



Construction is now complete on the second of several dozen of these flood control structures at Fountain Hills. They work like dams with holes in them. They will help control runoff from the nearby McDowell Mountains and the hilly terrain by temporarily storing water and releasing it gradually at a 10-to-1 reduced rate of flow. The runoff will be channeled into the nearby Verde River. No surface runoff leaving the area will be diverted from its present water course, and the intensity of runoff will be controlled to help prevent flooding and erosion damage to adjoining lands.



From Scottsdale Road, Fountain Hills is just 11 miles east on Shea Blvd. Or take Beeline Highway (Route 87) to Shea Blvd. Stop at the Information Center.

A whole new way of life awaits you at



Fountain Hills Arizona

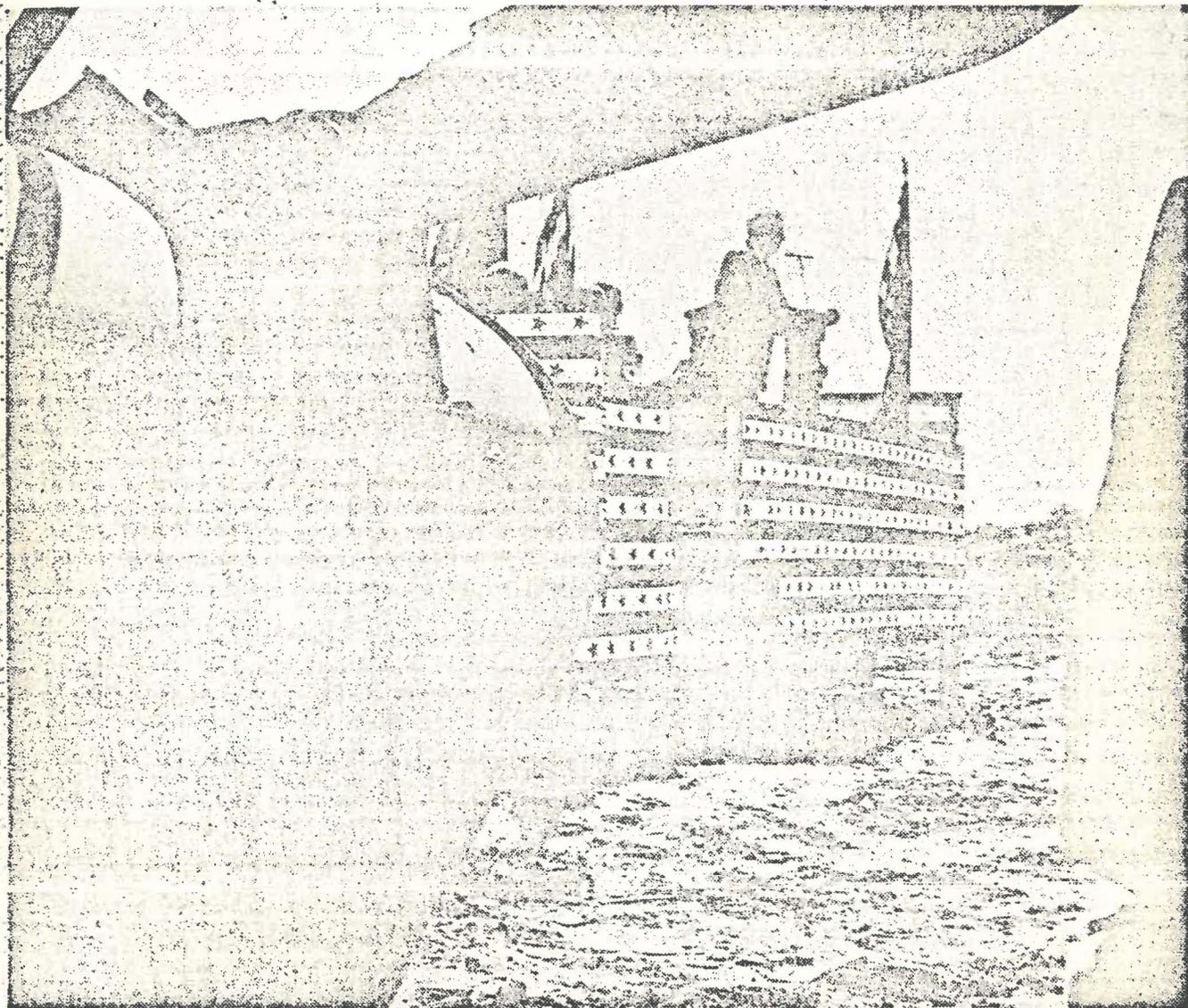
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5-17-72



Republic photo by Sue Levy

Col. John Lowry, chief engineer and general manager, Flood Control District, speaks at the ground-

breaking ceremony for the Dreamy Draw flood control dam to be built by Army Corps of Engineers.

Ground for dam broken in spirit only

Ground was broken, symbolically, at the groundbreaking ceremony for Dreamy Draw flood central dam yesterday.

The lack of an equipment operator forced the dignitaries to forget the customary turning of the earth.

"Had this dam been in service at the time of the June 22 storm, there would have been significantly less flooding downstream," Mayor John Driggs told about 40 persons at the site, northeast of 16th Street and Northern. "I live there. I spent the whole day trying to bail my home out."

The earth-filled dam with concrete spillway, to be built in six months at a cost of \$388,870, is designed to impound floodwaters and release them slowly into the Arizona Canal at 12th Street, and thus prevent flooding of the Sunnyslope and north Phoenix areas.

Three more dams are scheduled to be built, all four part of the county flood control plan.

Col. Harry Roper, district engineer for the Army Corps of Engineers, Los Angeles, said that the first dam will protect 1,750 acres of land downstream and will probably save \$2 million in flood

damage that would occur sometime without its being there.

"This project is symbolic in that it marks the first step in the completion of works to provide good flood protection," he said.

Bob Stark, chairman of the Board of Supervisors, officiated at the ceremony, held on a portable stage atop a trailer.

He looked out at the sparse crowd, which consisted primarily of city and county officials and newsmen, and commented, "Mayor Driggs told me he has staff meetings larger than this. In Maricopa County we have a smaller staff."

MARICOPA COUNTY INFORMATION OFFICE
ROOM 604
111 SOUTH THIRD AVENUE
PHOENIX, ARIZONA 85003



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Arizona Republic 10/17

Scottsdale
10/17

Flood culvert pledged

The city council was informed last night that preliminary plans have been completed for the construction of \$90,000 culverts in Indian Bend Wash under Thomas Road to assure the city at least one east-west traffic route during flooding.

City Engineer Dan Raby said plans are now ready to start construction of the culverts sometime next spring.

While Raby was making his report on reasons for delays in several capital improvements, the council agreed with City Councilman Dick Campana that the city staff should take more aggressive action in acquisition of rights-of-way and easements for construction of city streets to relieve traffic congestion throughout Scottsdale.

"I'd like to see a deadline set for these projects," Campana said. "Some of these necessary improvements have been delayed for too long a time."

Campana's remarks and agreement from other council members came after City Engineer Dan Raby told how negotiations with property owners for rights-of-way often held up actual construction for long periods of time.

The council questioned Public Works Director Marc Stragler on the progress the city was making with Developer David Friedman for the right-of-way necessary for extension of Hayden Road north from Camelback across Friedman's Villa Monterey Golf Course.

Stragler told the council that in about a month he expected to have an agreement with Friedman, at a cost of about \$150,000, for the construction of the stretch of Hayden Road which eventually will be extended north to Shea Boulevard.

Campana said he did not think any additional delays and

Indian Bend Wash 1 Subject For Joint City Council Meet

The troublesome Indian Bend Wash, the recycling of refuse and other waste materials and miscellaneous items of mutual interest are to be discussed Wednesday when the councils and key administrative officials of Scottsdale and Tempe hold their annual get-together. Scottsdale will host the dinner meeting at the Lulu Belle in Scottsdale.

The wash, which has been in the limelight recently due to rains and subsequent flooding, courses through much of Scottsdale and about a half to three-quarters of a mile of Tempe. Officials of the two cities have tentatively agreed they favor a grassy, park-like development rather than a narrow, concrete channel. This they will push with the Maricopa County Flood Control District.

Tempe and Scottsdale have been at odds over the location of a

waste recycling plant. This will be discussed.

Following the dinner, around 9:30 p.m., Tempe's council and staffers will return to city hall for a work-study session. This will replace the session usually held on Thursdays.

California's Waste, Inc., the firm proposing the recycling plant, will have representatives at the work-study meet for a discussion of plans.

Other items for discussion include: contract discussions on the new golf course; consider bids on Hazelton lane paving job, which were slightly over estimates; bridges, an underpass, speed limits, land lease, highway medians and the Eisner consulting services in connection with updating the Tempe General Plan.

Miscellaneous items, if time permits, will wrap up the session.

Tempe Daily News 10/17

Storm Moves In

By THE ASSOCIATED PRESS
Arizona's second fall storm in two weeks moved into Arizona overnight, dumping nearly an inch of rain in some sections with more of the same predicted until dawn Thursday.

The National Weather Service issued a flash flood watch for the high country of central and northern Arizona.

Mesa 10-18

Flood watch issued

By United Press International

10/18 Sedona
A flood watch was issued today for much of Central Arizona, where the National Weather Service said up to 4 inches of rain could fall in the next 24 to 36 hours.

The watch covered the central basins, the Grand Canyon, the Mogollon Rim and the White Mountains and was to continue through Thursday morning.

The Weather Service said the storm was expected to pick up moisture as it moved towards Arizona from the West Coast.

Many areas of the state had rain Tuesday and during the night, including Sedona with .92 of an inch, Prescott .73, Bisbee .72 and Flagstaff .54. Lighter amounts fell in several other sections.

Because of the storm afternoon temperatures were relatively cool, reaching only to the high 80s in the desert communities Thursday. Further cooling was expected today and Thursday.

HO, HUM, LET'S TALK FLOOD CONTROL

10-19 WICKENBURG

Wickenburg Town Council took action on the following items Monday evening:

A report was given to the Council and interested citizens on the progress being made in the area of flood control in Wickenburg. Town Manager Ralph Dow, Coney Orosco and Mayor Bud Billingsley attended a meeting in Phoenix October 10 trying to determine the present status of the progress on the dams on Sunny Cove and Sunset Washes. In conjunction with this the Council heard a report from Chris Williams of Phoenix. According to Mr Williams construction cannot be started on the two dams until 1974. More
(Continued on Page 2)

COUNCIL

. . . from Page 1

details on the flood control program next week.

Town Manager Dow requested authorization from the Council to purchase dictating equipment and to lease a copy machine for Town Hall. Authorization was granted.

Garth Brown presented his report on the possible paving of the area around the fueling area at the Wickenburg Airport. Many complaints have been received because of the condition of this area. There have been reports of minor damage to planes because of loose rocks and stone. With the addition of jet fuel to the fueling station it is almost mandatory that the area be paved.

Town defers resort plan again

PARADISE VALLEY — Drainage and landscaping plans for a \$9 million resort hotel were continued again last night by the planning and zoning commission as the saga of the Gulf Leisure proposal continued to unfold.

In his 16th presentation before town boards and commissions C. Michael Pierce, attorney for the developers, explained in detail what he said was an \$80,000 to \$90,000 flood drainage plan which would result in no water runoff on to neighboring property.

"If all the rain we receive in one year came in one hour of one day, the runoff to adjacent land would be absolutely zero," Pierce contended.

Neighbors of the proposed 18.28 acre site on the southeast corner of Jackrabbit

and Scottsdale Roads have argued with pictures and words that construction of the 150-unit resort would result in the flooding of their land and homes.

Pierce said the proposed flood control plan would include the graveling and concaving of Jackrabbit Road, adding curbing to Scottsdale Road, constructing two recessed tennis courts which could contain water until it could be drained by two five-horsepower water pumps after a storm, and the building of a solid water-retaining wall along the east property line.

In addition, Pierce said, other roadways and alleys could be improved if necessary to increase their water-carrying capacities.

Commission members indicated they

liked the plan but instructed Pierce to put it in writing and come back before the commission Nov. 7.

The commission also continued the developer's proposed landscaping plans until Pierce and the neighboring residents could reach a mutually agreeable location for proposed fence.

The Town Council has approved the issuance of a special use permit for the hotel at the intended location subject to the planning commission's approval of landscaping and drainage plans and the grading elevations for 10 proposed 21-foot-high, two-story buildings.

Residents opposed to the construction of the hotel contend that the council action was illegal since notice of the hearing never was published or posted.

10-18 Seidel

BUCKEYE VALLEY NEWS

VOLUME 48 NUMBER 42

BUCKEYE, ARIZONA 85326

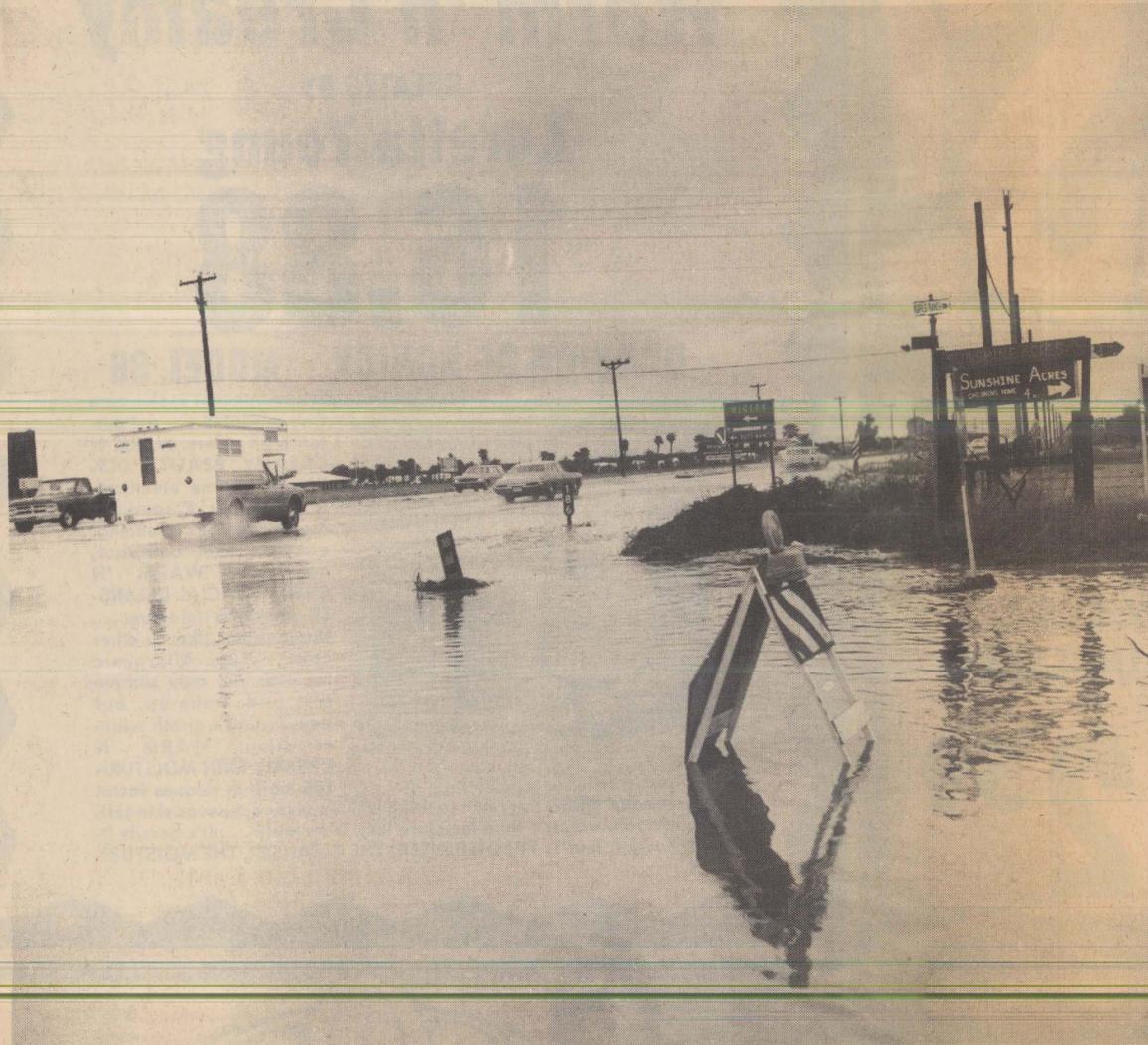
OCTOBER 19, 1972



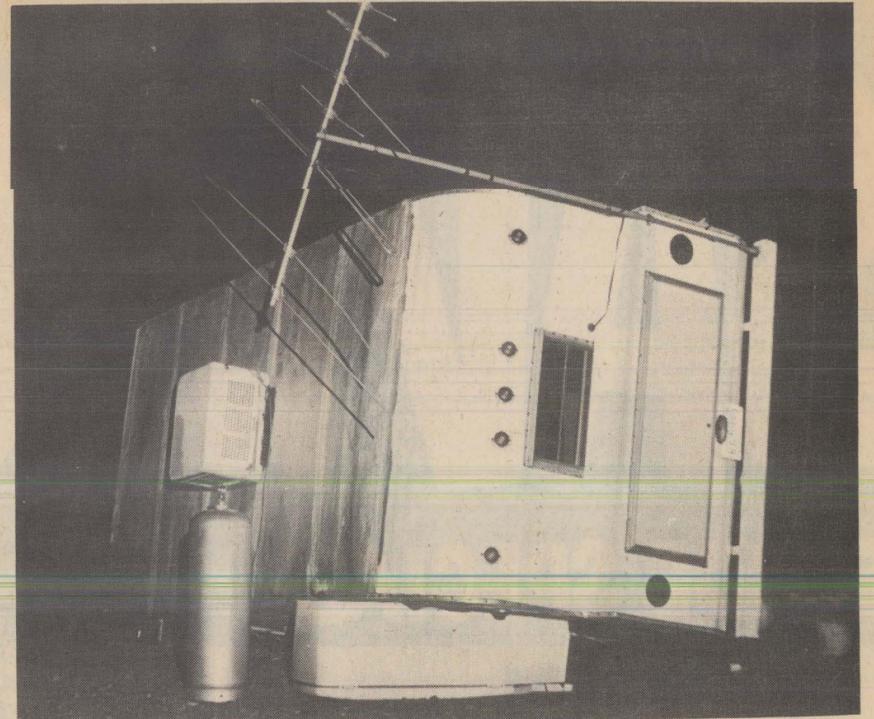
When the Hassayampa River gets to running as it did back on Friday, Oct. 6, you aren't advised to try to cross it in any type of vehicle. This pickup truck tried to cross the river on Baseline Road heading toward Harquahala Valley that eventful night and a wall of water ended the venture in mid-stream. This newspaper has been unable to locate the name of the driver, but reportedly he swam for his life as his pickup was carried off the road and on down the river where it was buried with mud in the river bottom. This picture was taken last week after the water had stopped running. Fortunately the driver made it out alive and somehow managed to fight the raging water and get to the bank in the darkness. The inside of the cab was filled with mud clear over the steering wheel. Be careful when the rains come and there is even a remote chance of floodwaters.

(Buckeye News Photo)

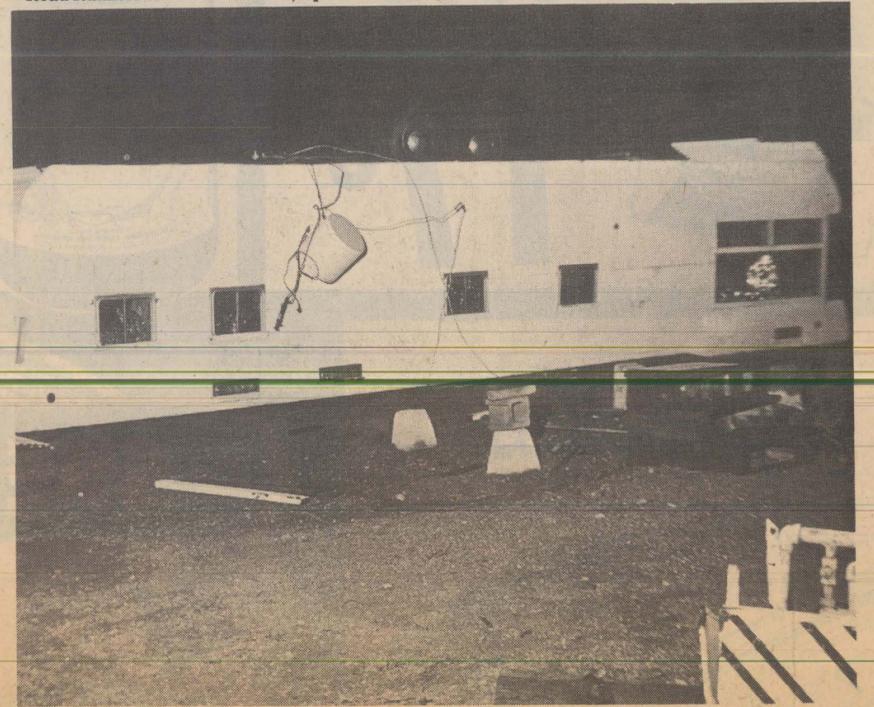
Stormy Weather Drenches Area



CREEPING FLOOD WATERS—Motorists moved cautiously this morning through this intersection of Higley Rd. and Apache Tr. Barricades are shown blocking the approach to Higley which is closed southward from University Rd.



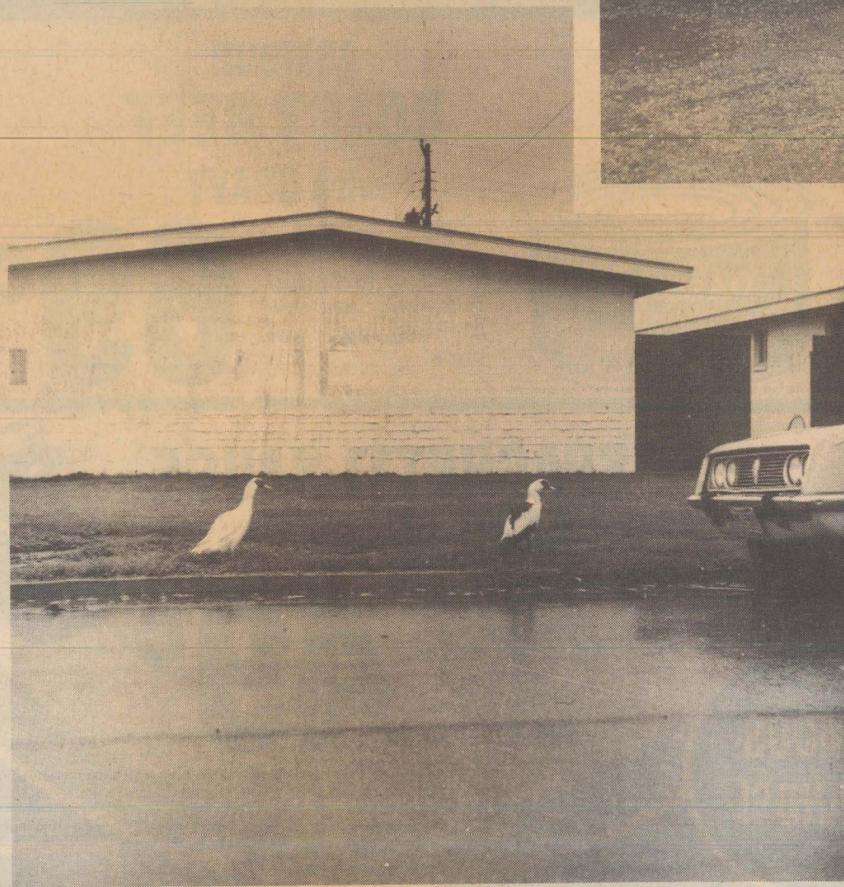
TILT—It wasn't indigestion that hit Mr. and Mrs. O.W. Miller when winds flipped their trailer home last night as they were eating. They crept out with only minor scrapes and cuts. The couple manage Road Runners Rest Trailer Park, Apache Junction, where the storm was centered at 9 last night.



BOTTOMS UP—Starr Lane, Apache Junction, was the scene of this shot showing a large mobile home resting wheels up. Owner of the home was not identified.



PLUGGED DRAINS—Water backed up into the intersection of Broadway and Stapley for a brief period until city crews arrived to pump out the storm drains. (Irwin and Bernstein photos)



WADDLIN' IN—A pair of ducks took off from Reed Park this morning for high ground and dropped in for a visit at Tara Parke apartments, 410 S. Hall.



hours of talks, the British announced that both sides would "do all in their power to take the heat out of the situation."

"Our war with the British Army is now over," said Tom Herron, a UDA vice chairman. "We agreed to try to stop the situation deteriorating any further. We agreed to try to cool it."

He added, "We could not expect the situation under 100 per cent control immediately. But we can in a few nights."

The UDA claims it can put 50,000 armed men onto the streets.

UDA gunmen took to the streets and started shooting at the army after two Protestant

"No raise—how

Congressmen R. As Session Com

By JIM ADAMS

Associated Press Writer

WASHINGTON (AP) — Congress has called it quits for the year after overriding President Nixon's veto of an antipollution bill and denying him the spending-cut authority he had asked.

The congressmen were leaving town so fast Wednesday that neither the House nor Senate could muster quorums for

So Congress adjourned at

Schools Closed For Day

By TANYA COLLINS

In an expanded rerun of the storm which hit the Valley two weeks ago, rainfall and river runoff combined to drench the Mesa-Apache Junction area last night and this morning.

Numerous road closures were reported, mainly east of Mesa, though many city streets were running full of rainwater too, as of noon today.

Country Club Drive at the Salt River crossing was open as of press time but was expected to close soon as water released from Granite Reef and Stewart Mountain dams reaches the Valley.

Salt River Project officials this morning reported 16,000 cubic feet of water per minute being released through Stewart Mountain Dam spillway gates. That amount will carry downriver to Granite Reef Dam, then will be released there and will feed into the river channels in the Valley. SRP spokesmen said the release exceeds the Oct. 6 outlay now, and may have to be increased as more water pours into Canyon and Saguaro lakes from the north mountain areas.

The spokesman noted that the Salt River is the main area of concern, as it has little capacity left in comparison to the relatively unfilled Verde River channel.

Confirming this, Maricopa County sheriff's deputies reported the Salt flowing two feet above standard at the Blue Point Bridge northeast of Mesa, at Saguaro Lake. They said the bridge could wash out if water

(Continued on Page 16)

More About Drenching

(Continued from page 1.)

continues to pour into the river.

Deputies also said Indian Bend Wash, running through northeast Scottsdale, was expected to host a 3,500-cubic-foot-per-minute flow before the water release is reduced.

Hard hit in last night's storm was Apache Junction, where mobile homes were reported overturned and one frame home was leveled by wind, rain and what the home's resident described as "a funnel cloud."

In the Junction area, most roads were closed to travel, including State Route 88 (Apache Trail) running north to Canyon, Apache and Roosevelt Lakes.

East of Bush Highway, Ocotillo was closed at Sossaman and Hawes; Ellsworth at Broadway, Elliot, Recker, Ocotillo, Baseline and Rittenhouse; Broadway at Mountain Road; Signal Butte north of Apache.

Coming west, Higley Road was closed at Apache, University and Williams Field Road; University at Bush, Dobson and Price; Brown Road from Greenfield to Higley; McKellips at Greenfield; McKellips at the Salt River and from Alma School Road to Hayden Road; Alma School and Hayden at the riverbottom; Scottsdale Road at University.

State Route 87 (Beeline Highway) was not recommended for travel to the north.

In the city, Main Street was closed off from Mesa Drive to Gilbert Road because of the storm drain construction. Excavated banks there were caving in and motorists trying to avoid the barricades were becoming mired in mud, police reported.

Stapley Drive was clogged at Broadway and from 10th Avenue south to Southern.

Mesa Public Schools and Mesa College closed their doors, and massive traffic tieups early this morning during the go-to-work rush hour gave way in early afternoon to nearly-deserted streets.

Police reported only two auto accidents on city streets this morning, only one of those with injuries, and neither of them storm-related.

Alice Mary Wade, 23, of 25 S. Lazona, was treated and

released at Mesa Southside Hospital after the door of the car in which she was riding flew open at Mesa Drive and University about 9 a.m. today.

The girl was thrown from the eastbound car driven by Michael Van Conrad, 27, of 1242 E. 7th Ave. No citations were issued.

More rain is expected later today, though rainfall in Mesa already had topped 1.13 inches at the city plant as of 12:30 p.m.

Meanwhile, the National Weather Service said today Payson has received 3.25 inches of rain. Late Wednesday, the small community of Mountaineer south of Flagstaff been drenched with 4.5 inches.

Flash flood watches remained in effect for the high country of central and northern Arizona and in southeastern and southwestern portions of the state.

Yavapai County sheriff's deputies reported from Prescott that they have asked owners of travel trailers parked near the Verde River to move to higher ground. They said the Verde could threaten homes and property if the rains have not stopped by Friday.

Coconino County sheriff's deputies said Oak Creek south of Flagstaff has been rising in the Sedona area, but there was no immediate danger.

In Pima County, sheriff's deputies said some roads east of Tucson, in the Tanque Verde and Pantano Wash areas, were not passable early today.

The highway patrol said Arizona 288 between Globe and Young was closed because of high water in Reynolds Wash, south of Young. Authorities said the Payson to Phoenix highway was passable, but mud and rock slides were making it dangerous.

Around the state, Bisbee reported 1.04 inches, Coolidge 2.6, Globe 2, Prescott 1.6, Sedona 1.5, and Tucson 1 inch.

Phoenix firemen said a child received minor burns when lightning blasted a hole in the roof of her northwest Phoenix home during the night, showering her with smouldering insulation.

The forecast called for locally heavy thundershowers over most of the state today, with the possibility of flooding.

FLOOD CONTROL DISTRICT
MARICOPA COUNTRY
3325 W. DURANGO
PHOENIX

85 109

The Weather

2 P.M. Temperature... 68

Morning's Low... 66

2 P.M. Humidity... 81%

Tempe Daily News



\$1.25 Monthly - 10c Copy

24 Pages

TEMPE, ARIZONA, THURSDAY, OCTOBER 19, 1972

607 Mill Avenue

85th Year—No. 251

Scottsdale, Tempe Councils Agree

Indian Bend Should Be Grassy, Wide Channel

The cities of Scottsdale and Tempe, meeting jointly in the former city, agreed Wednesday night that the Indian Bend Wash flood control project should be a grass-line channel of 600 to 800 feet in width. Further, both municipalities will urge — maybe even pressure — the Maricopa County Flood Control District to begin acquisition of right-of-way with funds now available for that purpose.

The grass channel, which could be used for park purposes

between "runs", is one of two alternates being considered. The other would be a concrete lined floodway.

On Tempe's behalf, the right-of-way acquisition from the south is being urged since handling of the flow at the river will be an early problem. Tempe also requests the channelization provide a turn sending water downstream rather than across the channel to flood land on the south bank.

Early run-off via Indian Bend

Wash closed the Scottsdale road and Mill avenue crossings early Thursday morning.

In a report to citizens the first of this week, Scottsdale officials promised construction of culvert-type bridge across Indian Bend at Thomas road so that city could not be "divided" each time water flows. Preliminary plans have been completed and an estimate of \$90,000 made for the bridges.

Other items considered by the two cities at their dinner meeting at the Lulu Belle

Restaurant in Scottsdale included the possible location and services of California's Waste, Inc., a firm proposing a recycling operation.

Following the joint dinner meet, Tempe councilmen returned to city hall about 10 p.m. and held a three-hour work-study session.

The council, pending formal action, agreed:

—To study architectural - engineering contract draft for work at proposed 18-hole golf course.

—Agreed to assist with one-block Hazelton lane improvement project.

—Heard report on Mesa-Tempe bridge project across Tempe Canal at Balboa drive with the city's half to run about \$22,000.

—Planned to urge immediate financing of Mill avenue underpass (closed Thursday morning) via federal aid funds, handled by the highway department.

—Set speed limit on South Country Club Way (Alameda to Southern) at 35 mph., up from

25 mph., with survey figures showing 85 percent drive at 43 mph.

—Decided to proceed with extension of Broadway traffic median just west of the Rural intersection.

—Suggested negotiation of additional fee of \$25,000 with Si Eisner & Associates on updated Tempe General Plan.

—Accepted Parks Board recommendation that one of two new city parks be named for pioneer educator, the late B. H. Scudder, who launched the Tempe High School system.

Powerful Rain Hits In Tempe

Rain continued to fall around Tempe today and most likely will continue with showers lasting until sometime Friday, according to the National Weather Service.

The Water Filtration Plant in Tempe measured the most rain in the city, 1.20 inches yesterday. Other readings around town included 1.16 by O. L. Barnes in downtown Tempe, 1.17 was reported by Mrs. Howard Hines in southeast Tempe, 1.13 at the UA Citrus Station and .98 at the UA Experimental Farm.

Sky Harbor Airport in Phoenix reported the most rain in the area yesterday, measuring 1.82 inches.

Several roads closed today following the night of rain.

Hayden road, and Scottsdale road at the river bottom and the Mill Avenue underpass were all closed to traffic. Many other roads flooded, but none were closed at press time.

Following the release of water by the Salt River Project, the Mill avenue bridge and the Freeway became the only way to enter Tempe from Phoenix and Scottsdale.

Seven traffic accidents were reported to Tempe police

Salt River Project officials announced the controlled release of water from their Granite Reef Dam this afternoon. The peak of this released water is expected to reach the Tempe Bridge area late this afternoon. The amount released is higher than the amount released in the last storm SRP officials said.

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yesterday. None was serious, but damages to the vehicles involved ran high. Tempe police said the accident rate was "light" this morning.

The fire department answered several assistance calls for gasoline washdowns following car accidents yesterday.

The department said they have a truck stationed at the Water Filtration Plant so they can cover the northern part of town. With the roads flooded, they said it would take too long for a truck to get to a fire in that area, so they sent a unit and crew to sleep at the plant until the roads re-open.

The firemen stationed at the plant are sleeping on mattresses on the floor and have to drive to a drive-thru restaurant to eat, as there are no cooking facilities at the plant.

The heavy rains and high

Turn to Page 6

Rain Storm
—From Page 1

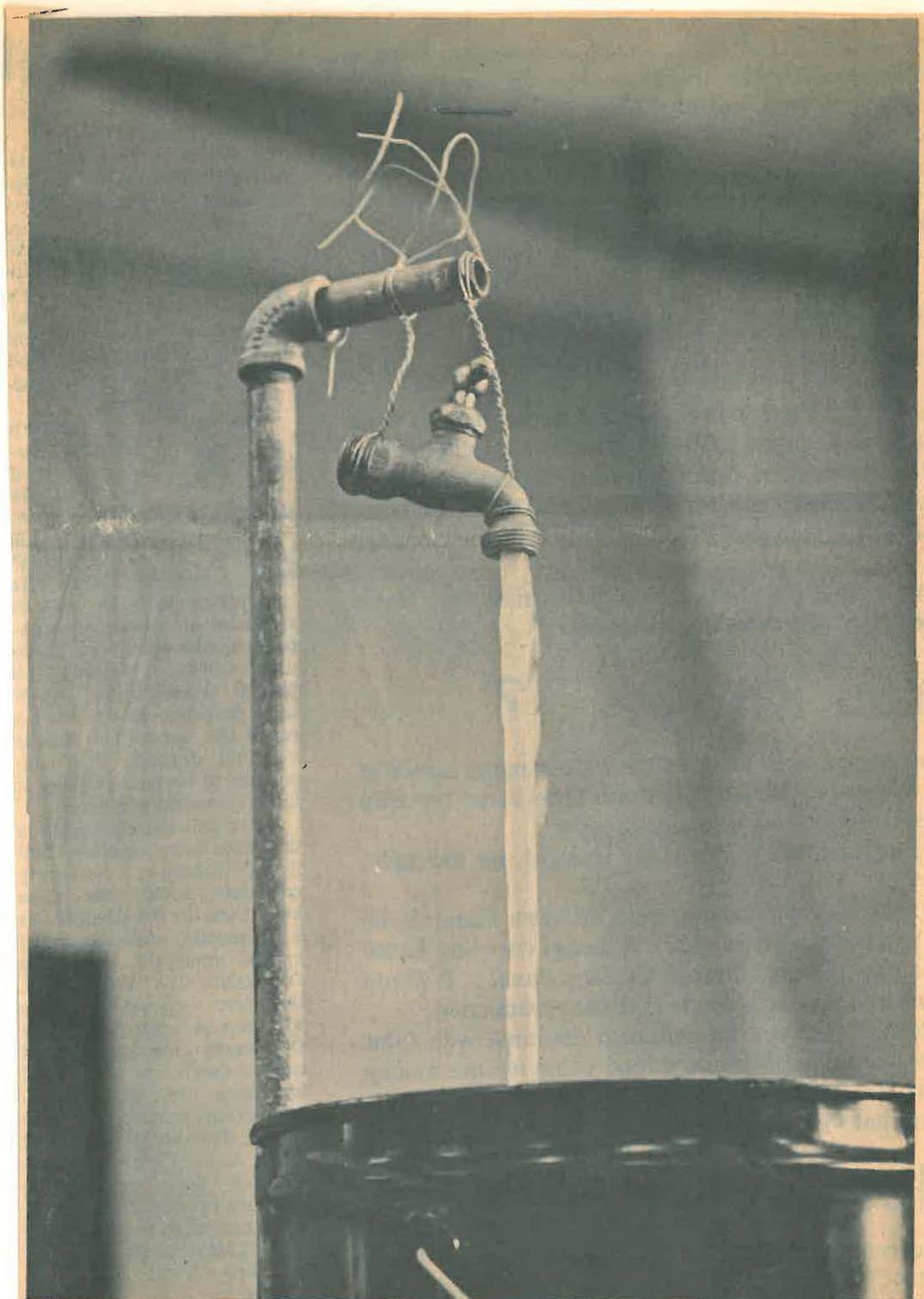
winds were responsible for upsetting eight trailer homes in Apache Junction last night.

Flash flood warnings were issued for Maricopa County and are expected to remain in effect until tonight.

The National Weather Service said the rain should taper off tonight, with a good chance of a few showers tomorrow, but that is what they said yesterday.

They said some parts of the state will still get heavy showers today, especially the eastern portion of Arizona.

The service said the weekend should be clear, but cooler following the rain.



WHY WORRY ABOUT WATER? — ~~The old saying~~, "seeing is believing," has the proof right here, for the camera doesn't lie; our eyes might play tricks on us, but the camera lens records it as it really is, so they say! If the perpetual faucet would turn out to be the solution to all of our water problems, then the Central Arizona Project had better watch out! Actually, the rain can be blamed for it. **TEMPE 10/19/72** Jan Young photo

City, Tempe agree on wash, waste

SCOTTSDALE 10-19-72

Members of Scottsdale and Tempe City councils last night agreed to bury all past differences and to cooperate in recycling and flood control projects.

Meeting for a 2½-hour session at a dinner party at the Lulu Belle, Mayor Bud Tims and Mayor Dale Shumway presided at discussions which included the handling of flooding in Indian Bend Wash and the possibility of cooperating in ecological refuse disposal through contracts with Waste, Inc.

After the Scottsdale meeting, members of the Tempe city council went home to meet with executives of Waste, Inc., of San Diego, Calif., to explore the expediences of developing a waste disposal plant which would serve both cities.

Mayor Tims said the meeting "was most congenial" and that he now expects full cooperation between the cities which "eventually will prove most beneficial to both."

Tims said the Tempe visitors agreed they would work closely with Scottsdale and the Maricopa County Flood Control District in developing a channel in Indian Bend Wash, through the northern section of Tempe, dumping water into the Salt River.

Both Tims and Public Works Director Marc Stragier contend that Tempe's development of the wash can do much to help in the development of Scottsdale's first phase of its flood control program which includes channelization to allow flood waters to flow to the south.

It was reported that Tempe officials had not made up their minds whether to construct a cement-line channel in the wash or to continue Scottsdale's green belt concept.

Later Public Works Director Grover Serenbetz of Tempe said he believes that the Tempe council favors the green belt concept.

Serenbetz said there is a possibility that the Waste, Inc., plant could be constructed in the Tri-City Industrial area in Tempe, between Hayden and Pima Roads south of the Salt River.

He contends that if Scottsdale and Tempe agreed to contracts with Waste, Inc., there was a possibility the City of Mesa could be brought into the overall project.

Serenbetz said the Tempe council wanted more information on Waste, Inc., before making a final decision.

Last January a serious rift between Tempe and Scottsdale officials was caused when it was announced that Waste Inc. was planning to construct its plant on Scottsdale-owned property at Van Buren and Miller Road in Tempe.

More than 75 Tempe citizens of the area hired an attorney and demanded the Tempe city council stop construction of the plant, which it did.

Earlier Stragier said the city of Scottsdale would save up to \$100,000 annually by going into the contract with Waste, Inc., which is still in force awaiting the construction of the plant.

On heels of storm

SCOTTSDALE
10-19-72

More rain predicted

Already floundering in more than two inches of rain which had fallen since about midnight, residents were cautioned early this afternoon to brace themselves for a massive thunderstorm which was expected to hit Scottsdale before 2 p.m.

A line of heavy thunderstorms was moving eastward across the Valley around noon today. The National Weather Service said the thunderstorm was expected to cut visibility considerably.

Flood warnings were expected to remain in effect for the remainder of the day.

The rain, which began falling around midnight, dumped 1.54 inches on Scottsdale by 5 a.m. today. It tapered off slightly later in the morning, but more than two inches had fallen by noon. By comparison, 1.68 inches fell in the first day of a three-day storm that resulted in nearly three inches of rain.

Flash flood warnings were expected to remain in effect for the day in Maricopa, Pinal, Gila and Maricopa Counties and the southern portions of Navajo and Apache Counties. A flash flood watch was issued until tonight for most other sections of the state.



Progress photo by Paul Brown

These boys were among the thousands of students freed from Scottsdale School District classes as the city was cut in half by waters flowing in Indian Bend Wash today. Photo was taken at 11:30 a.m. looking east across the wash at Indian School Road.

Flood water cuts city in half again

By JACK KARIE
Progress Staff Writer

For the third time in four months flood waters cut Scottsdale in half as more than two inches of rain caused approximately 2,500 cubic feet of water per second to surge down Indian Bend Wash to the Salt River.

Police reported there were no serious accidents but officers were kept busy handling reports on minor crashes caused by drivers inexperienced in driving on rain-slicked streets.

Public Works Director Marc Stragier said all of the east-west arterials in Scottsdale were closed by 11:15 a.m. and travel was stopped on North Scottsdale Road and Shea Boulevard, west of Scottsdale Road, shortly before noon.

Stragier said the flow in Indian Bend Wash lessened shortly before noon and he hoped to have McDonald Drive back in action shortly after noon.

City crews did their best to warn motorists about traversing flooded streets but there still were some vehicles stalled in the lower areas as the rain continued to pelt Scottsdale.

During Arizona's second major storm of the month all Scottsdale School District schools were closed for the day.

Most of the major roads in Paradise Valley were under water with many town officials there confined to their homes.

At about 10 a.m. the Salt River Project officials ordered 5,000 cubic feet per second of water released into the Salt River from the Granite Reef Diversion Dam and 10,000 cubic feet per second released from Stewart Mountain Dam at Saguaro Lake. At that time water was reported running two feet above the standard flow at Blue Point Bridge downstream from the dam.

The release of this amount of water assured that unbridged streets and highways across the Salt River would be closed in a matter of hours.

Scottsdale officials set up emergency stations where residents in flood-prone areas could obtain sandbags and earth fill to provide protection for their homes especially in areas north of the Arizona Canal.

By 11 a.m. water was rising in streets and yards along 68th Street and Lafayette Blvd. and residents there were hard put to keep water from flowing into their homes. A report around noon said that the canal there had broken.

One of the earliest streets to be flooded was Shea Boulevard where washes ran high blocking traffic and causing many cars to be stalled in high water.

The progress of the flood water could be charted this morning by noting the times at which east-west roads were closed.

McDonald Drive was closed around 7:05 a.m. and Chaparral Road at about 7:45 a.m. Camelback Road was closed an hour later.

At 9:05 a.m. Indian School Road was closed and at 9:40 a.m. Osborn Road was closed.

East-west traffic was routed to Thomas and McDowell Roads during the middle of the morning. Thomas was finally closed around 10:50 a.m. and McDowell was shut off before noon.

Telephone calls poured in to the police department, the Scottsdale Rural Fire Department and city hall, where a command post was set up around 6 a.m. and manned by employees of the Public Works Department.

Both the fire and police departments had a representative at city hall to act as a liaison between the city hall and their respective departments.

RFD officials said some firemen from Wednesday's shift were kept on duty this morning to handle emergencies. An RFD spokesman said about three trucks were deployed at various points to handle any fires which may occur including the area east of the wash.

Scottsdale Daily Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

Vol. XII, No. 209

SCOTTSDALE, ARIZONA, THURSDAY, OCTOBER 19, 1972

35c Per Week — 10c Per Copy

76°

Showers and a few thunder-showers today and tonight, decreasing Friday. Little temperature change; highs both days in mid 70s. Overnight low in upper 60s. Probability of measurable precipitation decreasing to 80 per cent tonight.

Two birds hit with one stone

Scottsdale city officials sometimes are known for taking advantage of every situation — even a flood.

Recently Mayor Bud Tims had asked city employees to promote the state revenue sharing proposal which will be on the ballot Nov. 7.

Today hundreds of calls of inquiry about flooding poured into telephones at city hall.

"Be sure to vote for the revenue sharing proposal next November," the city employees greeted the callers before asking what troubles they were having.

Rains, Water Subsiding; Mesa Schools Still Shut

MESA A 10-20-72

There was clear blue sky over Mesa early this morning, as rain clouds temporarily gave way to sunshine in this water-soaked end of the Valley.

Many local roads, closed all day yesterday, were open to travel early today.

But Mesa Public Schools remained closed, as did Mesa College. School officials noted that these two days of unscheduled "vacation" will have to be made up later in the school year — possibly by holding classes on Dec. 21 and on Feb. 19, both currently slated as school holidays — so that the district conforms to state law requiring school to be in session at least 175 days of the school year.

School athletic departments, meanwhile, said Mesa High's scheduled football game at Arcadia High School will be played, as will Westwood's home tilt against Coronado H.S., barring another major downpour.

This morning Mesa police reported Main Street still closed between Mesa Drive and Gilbert Road, Higley Road closed at University, Alma School Road still closed at McKellips and the riverbottom, and Country Club Drive still under water at the Salt River crossing.

Police said they were advised to route all westbound traffic down University to the Tempe Bridge.

Meanwhile, east of Mesa, the Maricopa County sheriff's office reported almost all major roads there open to traffic this morning, including Bush Highway to Saguaro Lake.

Local police said they had an amazingly low accident rate through mid-afternoon

yesterday, but between 3 and 6 p.m. they recorded at least nine accidents — mostly minor and several of them storm-related.

Officers said several vehicles were stuck in the mud on Main Street where the storm drain construction is under way, including two large trucks which tried to turn around on the flooded median.

A City of Mesa humane officer, out collecting muddy stray dogs, also was one of the casualties. Yesterday afternoon he radioed for help from the 100 block of North Matlock, where his dog-catcher's truck bogged down.

At least one local businessman is taking the weather situation —

though it may hurt his business — with a smile.

The Sands Drive-In Theatre, 2245 E. Main, has this twin bill playing tonight: Noah's Ark and The Ten Commandments.

The University of Arizona experimental Farm in Mesa reported this city had .60 of an inch of rain between 8 a.m. yesterday and 8 a.m. today, with more in the offing this afternoon or tonight.

Local forecast calls for variable cloudiness with 40 to 50 per cent chance of showers late today or tonight. Skies are supposed to clear overnight and sunshine is predicted for Saturday.

SCOTTSDALE 10-20-72

Project lakes make big gain

Unless a serious amount of additional rain falls, Salt River Project officials say area thoroughfares cut by the Salt River and the Indian Bend Wash all will be passable late today.

An SRP spokesman said this morning that "storm runoff in the Valley diminished overnight and we have been able to cut back release of storm water into spillways and washes."

He said that just before dawn today, water released from Stewart Mountain Dam — which impounds Saguaro Lake — was cut to 4,000 cubic feet per second, one-third the rate of flow of Thursday night.

"This reduction in flow (along the Salt River) will be seen about mid-day at Country Club Drive and by evening in Phoenix," the spokesman said.

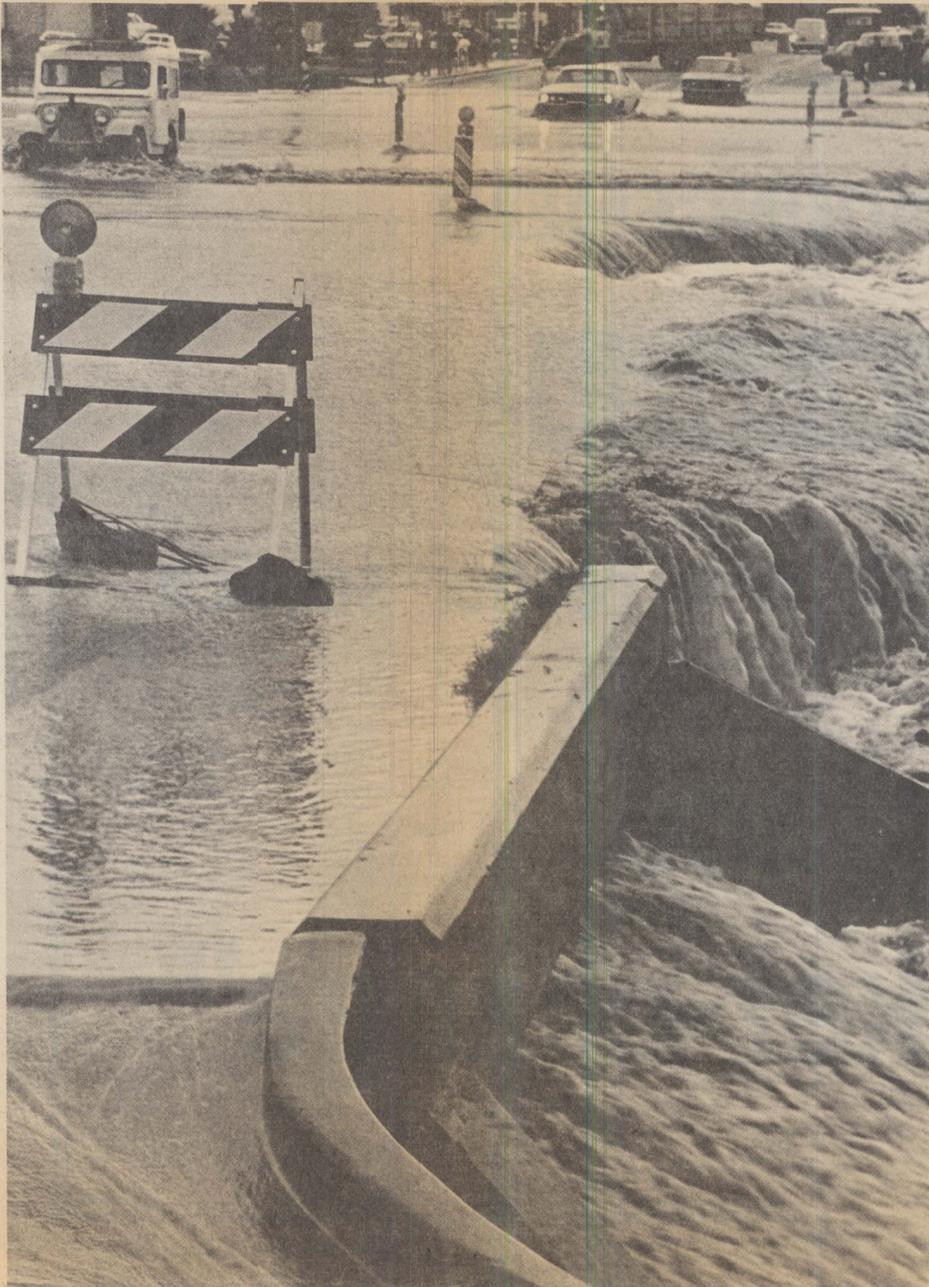
"At Indian Bend Wash (which slices Scottsdale in half), water release gates were closed by 7:30 this morning and water will diminish as the day progresses," he noted.

Despite the heavy runoffs which stranded some motorists and inconvenienced thousands more, there was a positive side to the rainfall.

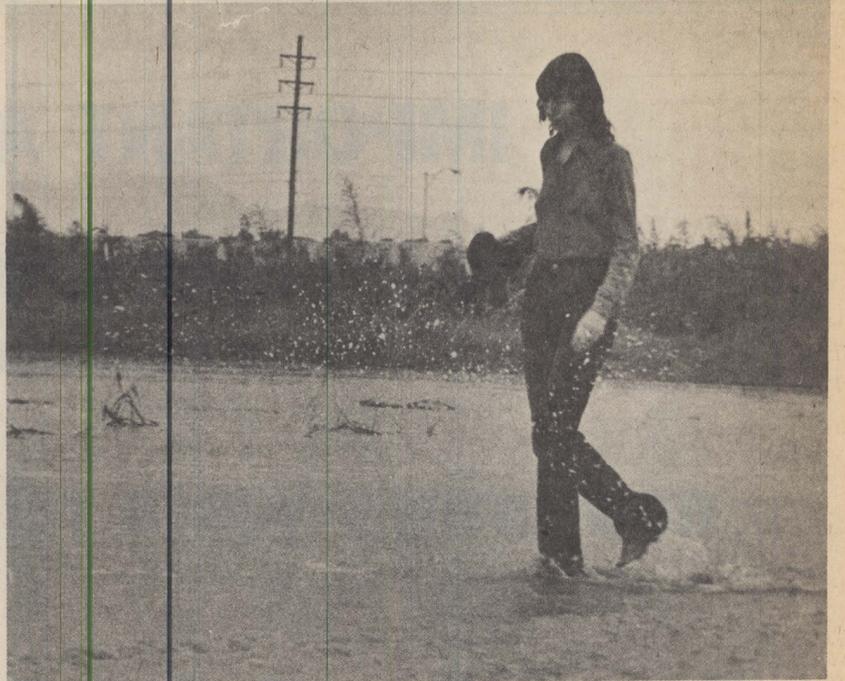
According to the SRP spokesman, "On the Project's 13,000 square miles of watershed, the runoff is continuing to provide substantial quantities of water into SRP lakes — water vitally needed later."

He said Project lakes captured an additional 200,000 acre-feet of water in the past 24 hours, with most of the additional water being contained in Roosevelt and Horseshoe Lakes. They gained about 100,000 acre feet in a storm two weeks ago.

Roosevelt gained 16 feet in 24 hours as it added 116,000 acre-feet of rain water, he said. There is no danger of overflow, however, as "It still has room for a million more."



When the wash floods people get around . . .

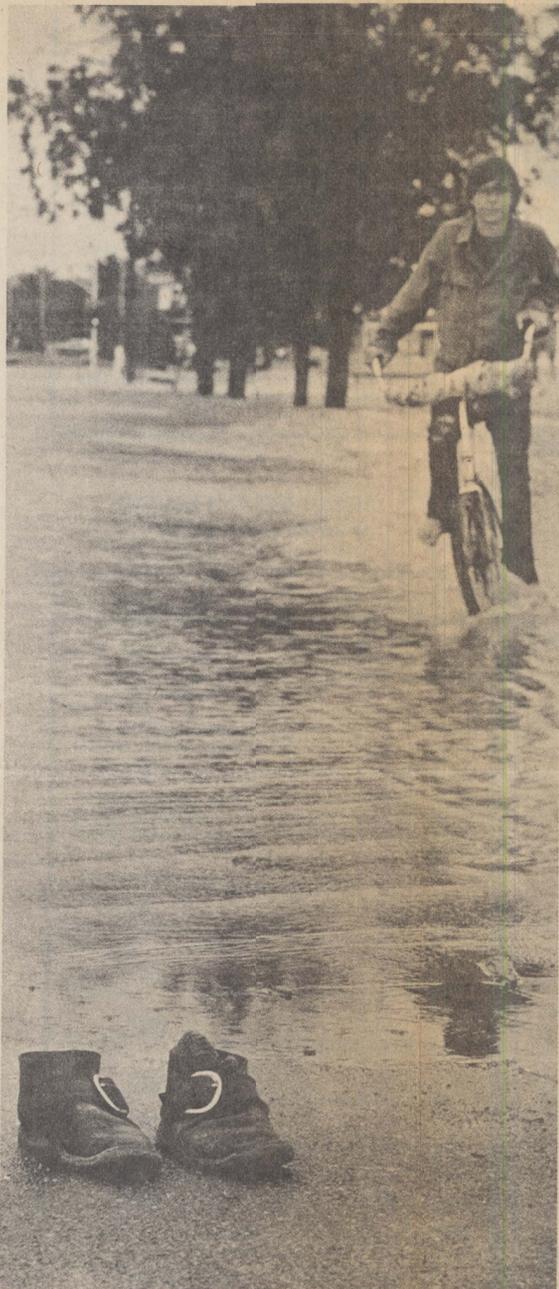


. . . like Carol Swingle on foot . . .



or like this pair in the dash.

Progress photos
by Paul Brown
and
Dennis Carroll



Others use the trusty bike . . .



. . . or ford the crossings in the family bus.

SCSDL
10-20-7.

City outlasts storm

Scottsdale citizens today had become "seasoned veterans" at handling floodwaters, according to Public Works Director Marc Stragier.

(Another rainfall which started at about 11:30 a.m. today could prolong the emergency situation. Scottsdale Police also reported sighting a funnel cloud around 12:05 p.m. today on Pima Road near Indian Bend Road. The apparent tornado did not touch down or cause any damage, police said.)

Stragier credited their past experiences in meeting flooding emergencies with the fact that relatively little damage was reported during

Sees photos, Pg. 6

a two-day rainstorm which dumped almost two inches of rain on Scottsdale.

He expressed amazement that only a single resident had reported water in a home here. The report came from the area of Cholla School.

City workers filled more than 1,000 sandbags and delivered them to flood prone areas where residents used them to divert the flow of waters which was threatening to flow into their homes.

Only problem in the whole operation, according to some onlookers, was an apparent mixup between city police and other city employes as to which agency had authority to close or block off city streets as the flood waters crested.

Stragier said the city will make an attempt to improve communications in time for the next emergency.

City Parks Director L.B. Scacewater said there was little damage in city parks in the wash because the grass in the parks now has had a chance to take root and the floodwaters flow over the park areas causing little erosion to the landscape.

More than 60 employes, including Stragier, were bleary-eyed today after spending more than 20 hours in their efforts to protect life and property in the city.

FLOOD CONTROL DIST. OF
MARICOPA COUNTY
3325 W. DURANGO
PHOENIX, ARIZONA 85009

Scottsdale Daily Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

Vol. XII, No. 210

SCOTTSDALE, ARIZONA, FRIDAY, OCTOBER 20, 1972

35c Per Week — 10c Per Copy

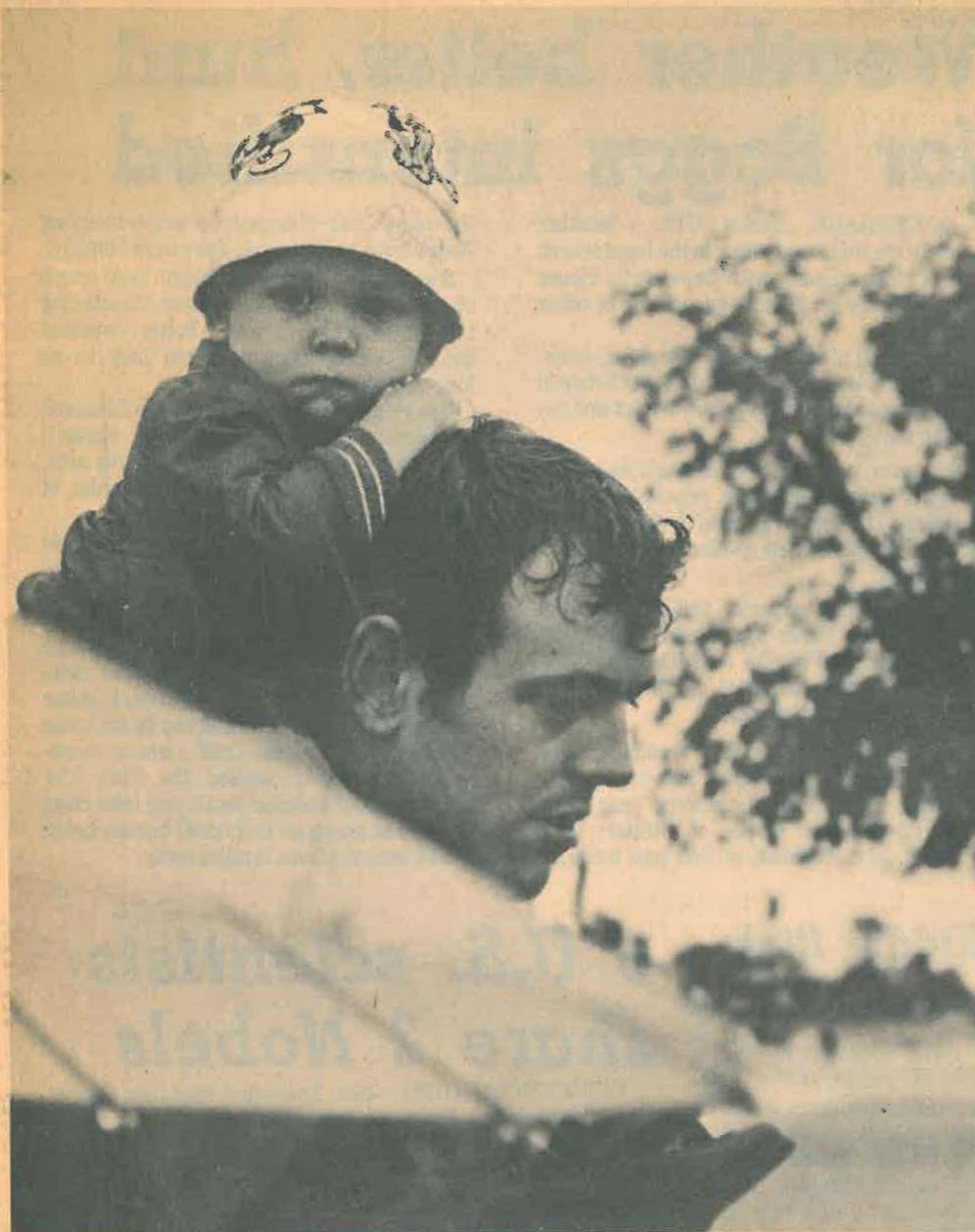


Photo by Dennis Carroll

YOUNG RONNIE BEREIT seems unimpressed by the rising flood waters in the Indian Bend Wash near Indian School Road. The 20-month-old boy is riding high and dry on the shoulders of his dad, Ronald Bereit Sr. of 4420 N. 78th St.

5 die in state floods

By United Press International
More than 500 persons were evacuated Thursday night and early today from Clifton and Safford as the San Francisco and Gila Rivers overflowed, while elsewhere, five persons were reported dead as a result of flood waters from two days of rain.

Dennis Meadows Jr., 4, drowned Thursday evening when he fell into a rain-swollen ditch near his Tucson home.

Four persons were reported drowned at the Navajo Indian Reservation when a highway was washed out between Tuba City and Kayenta, two of the reservation's main communities.

Greenlee County Sheriff Forrest Wilkinson at Clifton said 400 persons were asked to leave their homes in that community of 2,500.

Wilkinson said a 50-year-old flood control wall along the river broke under the flood waters and a portion of the bank caved in, flooding the north part of the town.

"It has weathered many floods, but this one got it," Wilkinson said of the wall. He said another wall protecting the town near the main highway held, but had many leaks and allowed water to pour into the flat lands.

Wilkinson estimated there was two feet of water flowing in some areas of the community.

A mining bulldozer was used by

workers to rescue trapped residents, including one man who suffered a heart attack. Four-wheel-drive vehicles also were used, but not with much success. Helicopters also were requested.

Clifton is located in a canyon and deputies said most of the community on the sides of the canyon was not in any danger.

Relief centers were set up in an elementary school and the Catholic Youth Center. Some persons went to nearby homes of relatives.

Wilkinson said his office was out of communication with New Mexico, where rains were still believed to be heavy, bringing the threat of even more flooding to the mining town.

At Safford, 43 miles southeast of Clifton, about 100 persons were evacuated Thursday night from an area known as "Little Hollywood." Those flood waters came from the Gila River, which is fed by the San Francisco River.

Graham County deputies said although the river was expected to rise even more, there was no immediate danger to the rest of the town's 7,000 residents. However, he said some farm families in low-lying areas of the Safford Valley might have to leave their homes.

Runoff from the storm blocked numerous streets in the Phoenix area today and some schools were kept closed for a second day.



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Runoff from the storm blocked numerous streets in the Phoenix area today and some schools were kept closed for a second day.



JOHN WILSON of 4130 N. Jokake Rd. perches on the hood of a car and waits for help as water in the Indian Bend Wash at Thomas Road choked

traffic Thursday night. Even the Scottsdale Police car had difficulty fighting its way through the rising waters.

Photo by Paul Brown

Photo by Dennis Carroll

e rising flood
The 20-month-
Ronald Bereit

te Say
Hello, is this the
I want to have my
sured."

Mesa Tribune

Good Afternoon

Partly Cloudy tonight with chance of showers; mostly fair Saturday. Warmer days but cooler nights. High today in low 70s, Saturday, upper 70s. Overnight low in 50s.

Entered as Second Class Matter
at the Mesa Post Office

MESA, ARIZONA, FRIDAY AFTERNOON, OCTOBER 20, 1972

SINGLE COPY TEN CENTS

28 PAGES

Flood Toll at 5, Towns Evacuate

PHOENIX (AP) — Four persons drowned today in a flooded arroyo near Tuba City and water was rising rapidly in communities along Arizona's eastern border where hundreds already have been evacuated.

The Department of Public Safety said four persons died when three cars plunged into water 10 to 15 deep on a highway 20 miles east of Tuba City.

A child drowned earlier in Tucson.

Greenlee County sheriff's deputies said the flooding San Francisco River rose another 18 inches shortly before noon, forcing still more evacuation.

In Safford, about 40 miles to the southeast, about 200 were forced to leave their homes when the Gila River spilled over its banks. The river was

reported a mile wide in some areas.

"The water is everywhere around here," said sheriff's deputy Lawrence Thompson from Clifton. "We know there's at least 100 homes flooded, but there are a lot of them we don't know about yet. And the water's still come up."

The San Francisco River, which winds down from Ari-

zona's eastern mountains, joins the Gila River below Clifton and continues into the desert lowlands of Southeastern Arizona.

The National Weather Service said the San Francisco River is still rising and "serious flooding" could be expected in Clifton this afternoon and early this evening in Safford.

Clifton's water supply was contaminated, according to Frank Lord, of the state water pollution division, and residents were urged to boil water.

The Arizona National Guard has sent helicopters to Safford, Clifton and the Indian village of Leupp, where 27 persons were reported stranded.

No casualties were reported in either Safford or Clifton.

In western New Mexico, meanwhile, where the Gila River originates, a bridge across the Gila northwest of Silver City collapsed today and several small communities were being evacuated, Grant County deputies said.

Authorities said the San Francisco River washed over the Southern Pacific Railroad and the U.S. Highway 666 bridges, isolating the community from the outside.

Sheriff's officers said night shift workers at the Phelps Dodge mine and smelter in Morenci, perched on a hill about two miles from Clifton, were unable to return to their homes in Clifton and nearby Duncan this morning.

Radio Station KCUZ remained on the air throughout the night to broadcast flood



OVER THE TOP—About 3 p.m. yesterday the Salt River went over the top at Country Club Drive (top photo), inundating the roadway just south of the curve which turns the street into McDowell Road westbound. Maricopa County sheriff's deputies and Arizona Highway Patrolmen took over traffic control, re-routing cars east and south from the McKellips Road-Country Club intersection, since both those roadways west and north were flooded by the Salt River and still were closed early today. (Irwin and Bernstein Photos)

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Radio Station KCUZ remained on the air throughout the night to broadcast flood warnings to residents. Officers said the water was close to seven feet deep through a half-mile belt of north Clifton. In that part of Clifton south of the bridge, they said, the water was about 1½ feet deep.

Phelps Dodge sent a huge rubber tired vehicle to aid in evacuation, deputies reported. Officers said Mrs. Manuel Franco suffered a crushed leg when she was struck by a rockslide while attempting to reach higher ground. Mrs. Franco, removed by a rescue squad, underwent amputation of the leg at the Phelps Dodge Hospital.

Along with the rains, the first snow of the year fell at Wil-

(Continued on Page 14)

More About State Floods

(Continued from page 1.)

liams, Prescott and north of Flagstaff, where more than an inch was reported early today. The wintry chill brought cancellation of flash flood warnings for Apache, Gila, eastern Pinal, Graham, Greenlee and Navajo counties. But it remained in full force along the San Francisco River, along the Little Colorado on the north and along the Central Gila River.

Safford, also in southeastern Arizona, had flooding in the low-lying farmlands outside the city. The sheriff's office said about 150 families were evacuated from their homes in the Little Hollywood area, about a half-mile east of Safford. No injuries or deaths were reported.

The sheriff's office reported helicopters were being sent to aid flood rescue operations at Clifton.

Women employes on the Maricopa County government staff were sent home at midday Thursday. About 2,300 women received the early dismissal.

Civilian and military personnel at Davis-Monthan Air Force Base in Tucson were also given the afternoon off.

The Arizona Canal, an irrigation canal operated by the Salt River project across north Phoenix, spilled over its banks in at least four locations. Several homes were flooded.

The SRP released water from two lakes when the runoff from mountain streams threatened to overflow the reservoirs. But ironically, several other lakes upstream were way below normal capacity.

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COPA COUNTRY
W. DURANGO
NIX

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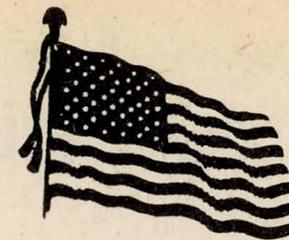
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re 71

58

48%

Tempe Daily News



22 Pages

TEMPE, ARIZONA, FRIDAY, OCTOBER 20, 1972

607 Mill Avenue

85th Year—No. 252

Tempe Gets Over An Inch And A Half

Rains Cause Big Headaches

The rain that fell in the state for the last several days has caused massive traffic jams, made people late for work, caused traffic accidents and made Tempe school students mad that they did not get the day off like the estimated 110,000 other Valley students did.

The Tempe bridge and the freeway were backed up last night and this morning at peak traffic periods, causing a delay of several hours at times.

With Scottsdale and Hayden roads closed, along with most Phoenix street crossings over the Salt River, the Tempe bridge and freeway were the only way to enter or leave Tempe from Phoenix or Scottsdale.

Mill avenue at the bridge was backed up past McClintock drive this morning, over three miles. Several motorists said they waited more than two hours to get across the Tempe bridge.

Tempe police regulated many traffic

signals at peak hours in an effort to speed up the traffic flow.

Most Tempe streets were reported open and in good condition today.

The Mill avenue underpass was closed for a short time yesterday, but was reopened before noon. The Tempe street department reported that Princess drive, between Hayden and Scottsdale roads is still closed due to flood waters.

All Tempe public schools held classes yesterday, although enrollment for the day was down.

Many other Valley schools, about 115 of them, closed their doors yesterday due to poor road conditions or low attendance.

Rainfall measured around Tempe was almost the same in all locations.

Mrs. Howard Hines in southeast Tempe recorded a total rainfall of 1.62 inches for the storm, with .45 of it coming yesterday. Other readings were: UA Citrus Farm .50 inches, UA Experimental Farm, .60

yesterday, 1.63 total and the Water Filtration plant measured .38 inches yesterday, 1.62 totally.

Tempe police investigated 16 traffic accidents yesterday, several serious.

A collision at Mill avenue and Fourth street caused an estimated \$1,300 in

Tempe school officials announced today that attendance in all district schools is back to normal today. Yesterday, the district reported 11 percent absenteeism, with many staying home after a radio station broadcast saying Tempe schools were closed.

damages to two vehicles. Glenn Paul Nitchals was cited by Tempe police after he struck a vehicle operated by Joseph A. Brullo of Mesa.

A head-on collision at University and Roosevelt last night caused an estimated \$2,400 in damages and sent several people to the hospital.

A 1969 Chevy operated by Manuel G. Flores, 1148 East Manhattan drive, skidded and crossed the center line, striking a vehicle operated by Ethel Roberts of 707 West Tenth street head-on.

Flores was cited by Tempe police.

Salt River Project officials said the water being released down the Salt River bottom will continue at least into tonight. Officials are hoping that the roadway through the river bottom will be open sometime Sunday or Monday, but added that it depends upon water runoff in the northern region.

The SRP said their lakes added 200,000 acre feet of water in the last 24 hours, most of it entering Roosevelt and Horseshoe Dam. Lake Roosevelt rose 16 feet in the last 24 hours according to the SRP.

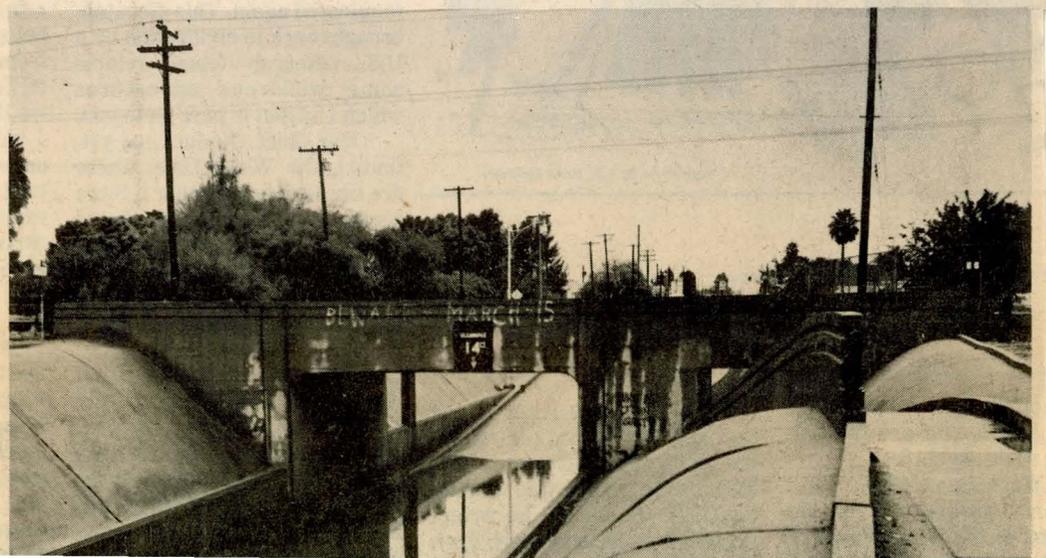
The SRP said they are releasing water from Horseshoe Dam into Bartlett Lake, as Bartlett is almost empty and this will

allow Horseshoe to accept more runoff water.

Here in the city, damage to McKellips road and Princess drive paving resulted from the heavy flow in Indian Bend Wash. Grover Serenbetz, Public Works director, reported the last storm damaged only the curb and gutter on Princess but this time considerable damage to the pavement resulted.

To the pleasure of property owners — and motorists — the area near the intersection of Southern avenue and Los Feliz drive was tied into the still - to - be - completed Southern Avenue Storm Drain Thursday night. It had been delayed pending completion of a structure in the system.

O. L. Barnes reported this afternoon that the downtown Tempe area received .45 inches of rain yesterday.



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ure...71
58
48%

Tempe Daily News

22 Pages TEMPE, ARIZONA, FRIDAY, OCTOBER 20, 1972 607 Mi

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The SRP said they are releasing water from Horseshoe Dam into Bartlett as Bartlett is almost empty and



WATER UNDER THE BRIDGE — It isn't much, but always hazardous enough to close the road and cause a detour and that was the case of the Mill avenue underpass at the Southern Pacific railroad yesterday following the heavy rainstorm. Many other roads were closed around the Valley due to flood conditions. Jan Young Photo

4 Dead In Floods; Damage Heavy

By CORRY SIMPSON

Four were known dead and property damage was staggering in the wake of Arizona's most recent widespread flooding.

Another onslaught — perhaps the most vicious of all — threatens southeastern Arizona tonight, from the already flooded waters of the San Francisco and Gila Rivers.

Four persons drowned when three cars plunged into a flooded arroyo in northern Arizona. Authorities said they

Pictures, Page 24

were passengers in the cars which went into water 10 to 15 feet deep on U.S. 160 about 2 miles east of Tuba City this morning.

IDENTITIES were not learned.

Governor Williams directed his executive assistant, C. R. Krimminger, meanwhile, to investigate the flood situation in the Clifton area. Krimminger went in a Highway De-

partment airplane, accompanied by Col. Carl Smith, head of the Division of Emergency Services.

Two trucks with 35 volunteers from Luke Air Force Base were dispatched to Hacienda del Angeles for sandbagging operations at the home for retarded children. The volunteers were credited with keeping water from seeping through the walls and floors. The home is at 1930 W. Northern.

Salt River Project spokesmen said the storm caused Roosevelt Lake to rise an in-

credible 16 feet in 24 hours. Roosevelt is the largest in the project's system of six lakes.

THE LAKE'S rise represented a gain of 116,000 acre-feet of water. SRP said Roosevelt still could contain 1,000,000 more acre-feet.

Horseshoe Lake gained 83,000 acre-feet and was nearing full at mid-day.

Homes were evacuated, farms submerged and roads and bridges wiped out as the state continued to suffer the ravages of widespread flooding.

In the southeastern section of the state, the situation was worsened by flash flood warnings in New Mexico, where swollen rivers were rushing toward the Clifton-Safford area.

Evacuees in the Safford and Clifton area huddled in school gymnasiums, a few mountain cabins and other high places as the San Francisco River threatened a wild, destructive rampage.

"THE WATER was receding early today," said Greenlee County Sheriff's Deputy Jay Jurado in Clifton. "But

we just got word from Glenwood, N.M., that more is on the way.

"The San Francisco is four feet higher than it has ever been over in New Mexico and we're waiting for that."

More than 500 persons were evacuated last night and early today from Clifton and Safford as the San Francisco and Gila Rivers filled from heavy rainstorms.

IN PHOENIX and the Valley, the drying out process began, although some roads remained impassable — parti-

cularly those at or near river beds.

Governor Williams dispatched a National Guard helicopter to rescue 27 marooned Indians at the village of Leupp, northwest of Winslow, today.

The helicopter was delayed a while at Flagstaff by fog and rain.

A ground unit of the National Guard assisted in the evacuation at Safford and Clifton. Two additional helicopters scouted the area to assist in

directing evacuation operations.

GREENLEE County Sheriff Forrest Wilkinson in Clifton said a 50-year-old flood control dam along the San Francisco broke under the flood waters and a portion of the bank caved in, flooding the north part of town.

"It was weathered many floods, but this one got it," Wilkinson said of the wall. He noted another wall protecting the town near the main highway held, but had many leaks

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The Phoenix Gazette

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COPY

PHOENIX, ARIZONA, FRIDAY AFTERNOON, OCTOBER 20, 1972

271-8000

f (Four Sections 112 Pages)

n Floods; Damage Heavy

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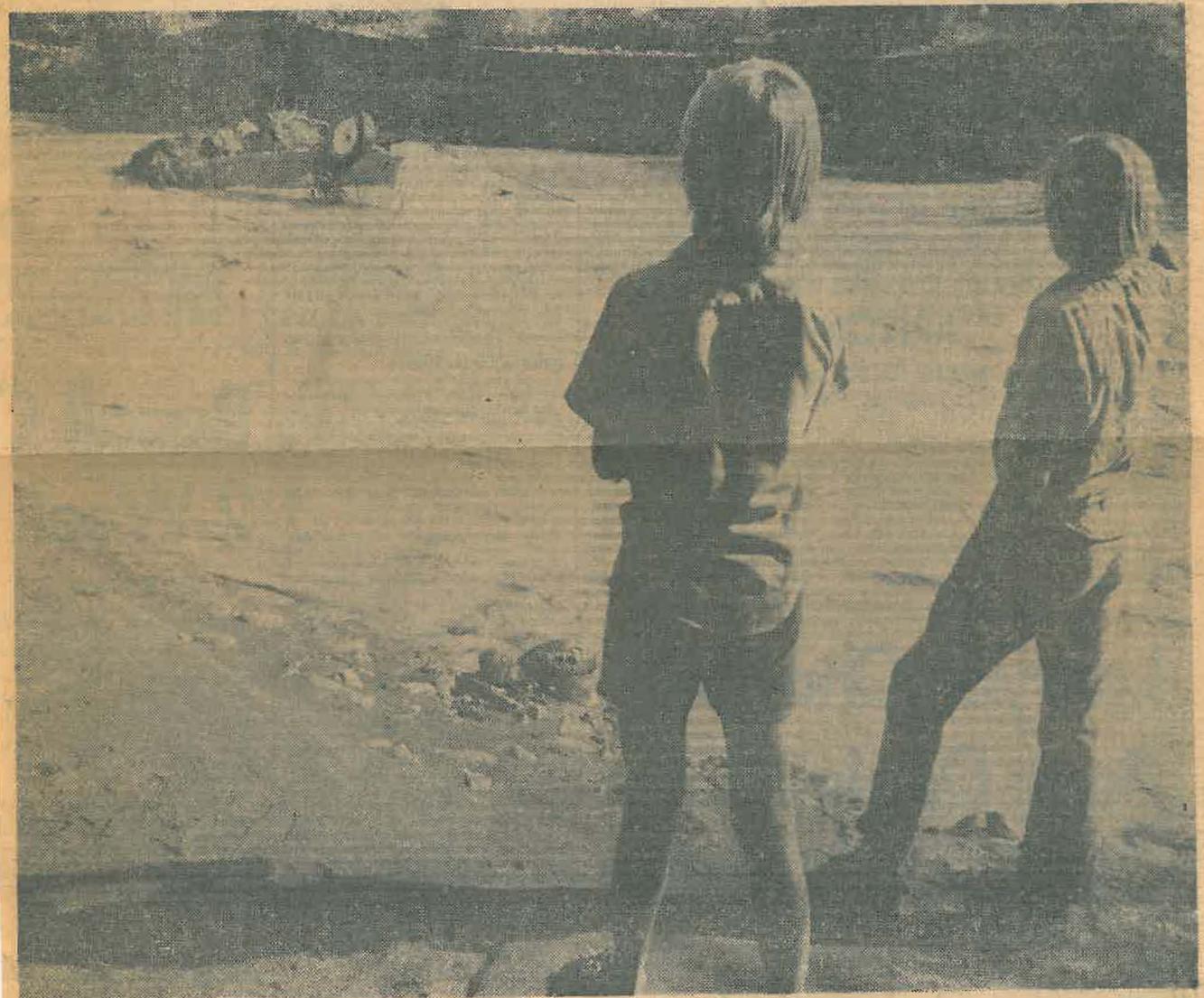
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Turn to **●FLOOD**, Page 4



Gazette Staff Photo by Ed Gray

'I HOPE NOBODY'S INSIDE'

Youngsters watch as flood waters of Cave Creek carry away pickup camper near Bell Road. Driver had been stalled and

was rescued from the swirling waters. Storm was expected to begin breaking up by tonight.

● FLOOD DAMAGE

(Concluded From Page 1)

and allowed water to pour into the flat lands.

A mining bulldozer was used by workers to rescue trapped residents, including one man who suffered a heart attack. Four-wheel drive vehicles were also used, but not with much success.

CLIFTON IS located in a canyon and deputies said most of the community on the sides of the canyon was not in much danger.

The Little Colorado River in northeastern Arizona was also on the rise and officials warned of possible flooding in Holbrook and Winslow as the river reached its crest.

The National Weather Service said the storm was expected to diminish by tonight.

Heavy rains yesterday flooded broad sections of the state. Road and street closures were countless. Yavapai County Sheriff's Office evacuated 12 families from trailer homes near Camp Verde as the Verde River spilled over its banks.

AN EARTHEN dam collapsed at the Indian village of Moenkopi, near Tuba City, flooding the village and washing away numerous homes.

Motorists had difficulty moving around the Phoenix area as water flowed in the Indian Bend wash in Scottsdale and the Salt River Project released water into the Salt River.

Rain and flooding kept several schools closed in the Valley for the second straight day. This will mean a five-day weekend for some students.

All schools in the state will be closed Monday for Veterans Day.

THE ONLY public schools closed both yesterday and today were Mesa public schools and Maricopa County Community College District.

Closed yesterday but open today were Phoenix Elementary District, Scottsdale public schools and Paradise Valley public schools.

All schools in Tempe and Glendale were open. Arizona State University remained open.

Maricopa County Sheriff's Office said the flood runoff slackened enough during the night so that all roads except those crossing the Salt River bed and a few near the junction of Indian Bend Wash and the Salt were open.

RAINS THIS week will cost cotton farmers from \$8 to \$10 million, according to Lee Stith of the University of Arizona College of Agriculture.

He estimated that the rain will probably cost farmers \$15 per bale and drop yields from two bales an acre to a bale and a half.

The storm — second in two weeks — shortened the \$30,000 GAC Golf Classic at Tucson. Ladies Professional Golf Association officials cut the 54-hole tournament to 36 holes because of the storm.

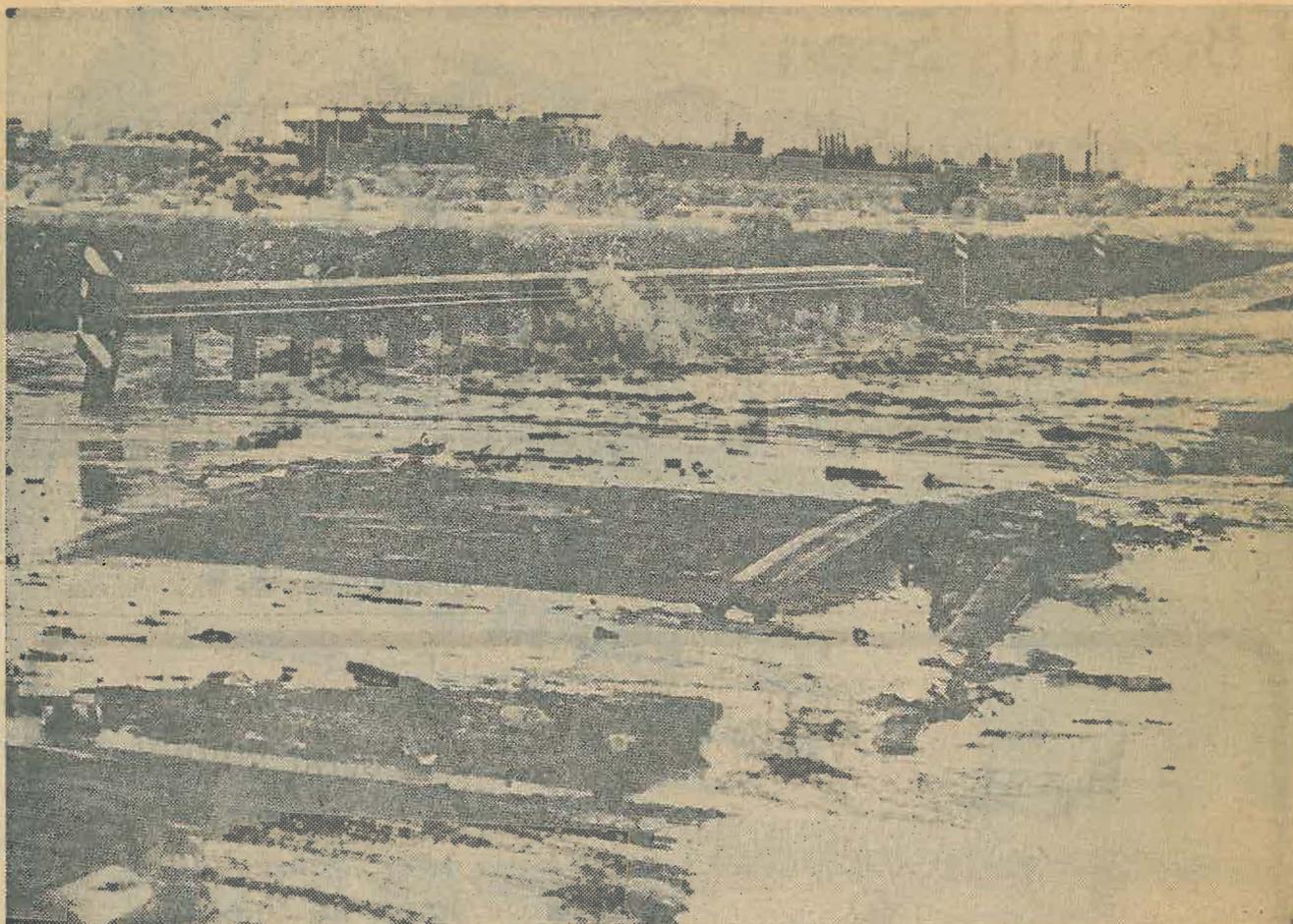
Weathermen expect the storm to decrease considerably tonight and tomorrow.

IN PHOENIX and the Valley, it will be partly cloudy with a chance for widely scattered showers tonight. It should be mostly fair tomorrow.

The overnight low will be in the lower 50s and the high tomorrow, in the upper 70s.

Phoenix has received 7.54 inches of rain thus far in 1972 — compared with a normal for an entire year of 7.20.

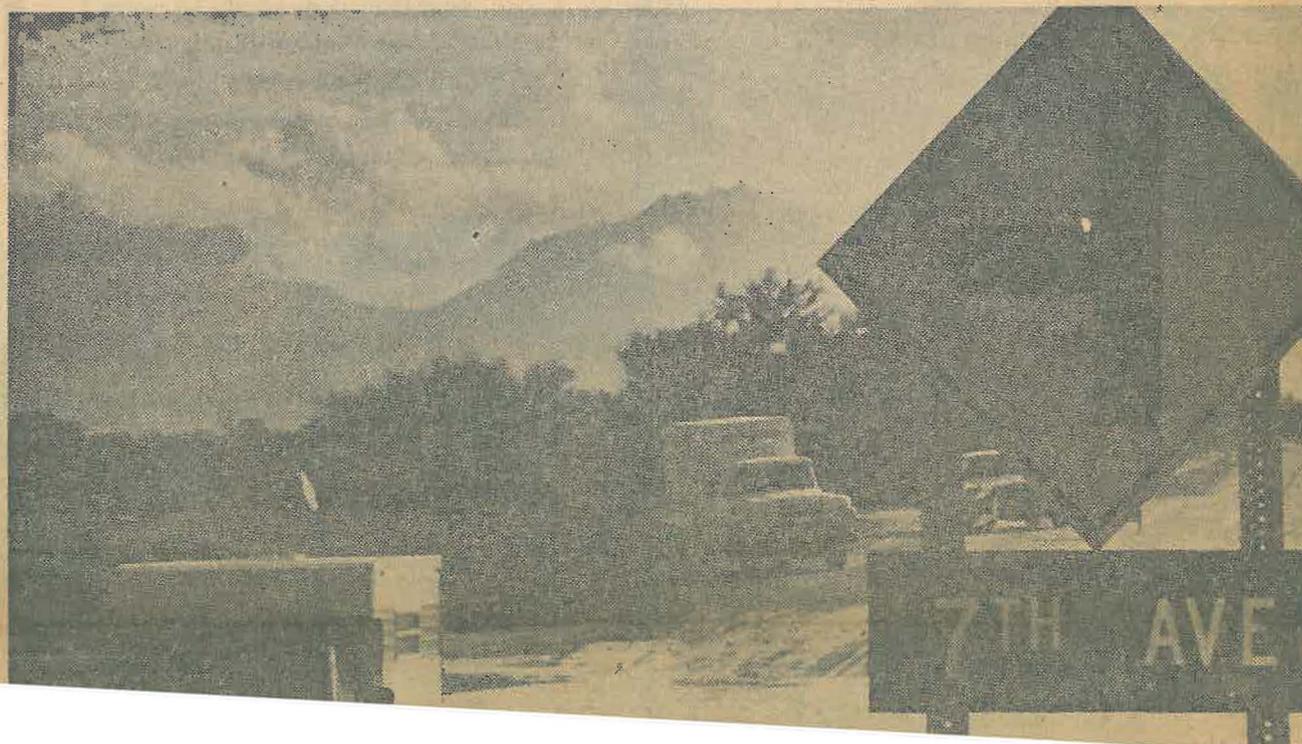
Gazette
10/20/72



Gazette Staff Photo by Ed Gray

...WHERE ONCE THERE WAS A ROAD

This is a problem that's become common to Phoenix motorists: Washed-out roadways and street flooding. Waters in this photo are gurgling over 40th Street at the Salt River. Showers should decrease by tomorrow.



COSTLY TO SCOTTSDALE RESIDENTS

Mayor Tims 'Disturbed' By 'Light Rain' Flooding

Gazette Scottsdale Bureau

SCOTTSDALE — Most of the roads crossing Indian Bend Wash were open today with the exception of Chaparral and McKellips, and Scottsdale Road in the Salt River bottom still was closed.

Indian School Road was reported still watery and city crews were standing by to help motorists in case they became stuck.

Mayor B. L. Tims, expressing concern over the city being under water for the third time in four months, said he was "particularly disturbed" since only one of those three floods was caused by a major rainstorm.

"NOT ONLY DID we have to close all streets across the Indian Bend Wash for a good part of the day yesterday, but there are spillover effects causing the Scottsdale Public School system to close down," he said.

"Many businesses and employes have also lost profits and wages just because they couldn't get to work," he added.

Tims also disclosed that the health and safety of the community was threatened in still another way because the staff of Scottsdale Memorial Hospital had to be assisted across the wash to get to their jobs.

was short of help, the mayor added.

"HAD PHASE I of our flood control plan been implemented, traffic would have been flowing on Scottsdale Road, McDonald Drive, and Thomas Road without interruption.

"Instead, some citizens had to take their lives into their own hands, such as one gentleman who drove across Indian School Road only to get stuck half way across. Fortunately city employes were able to rescue him."

The mayor estimated that 5,000 to 6,000 man hours of city employes' time have been necessary for the rescue effort. That cost doesn't include the time lost from services that the employes would normally be performing, he said.

"As I said before, had we had the money to start our flood controls, money that Proposition 200 would make available to us, we wouldn't be dreading each light rainstorm," said Mayor Tims.

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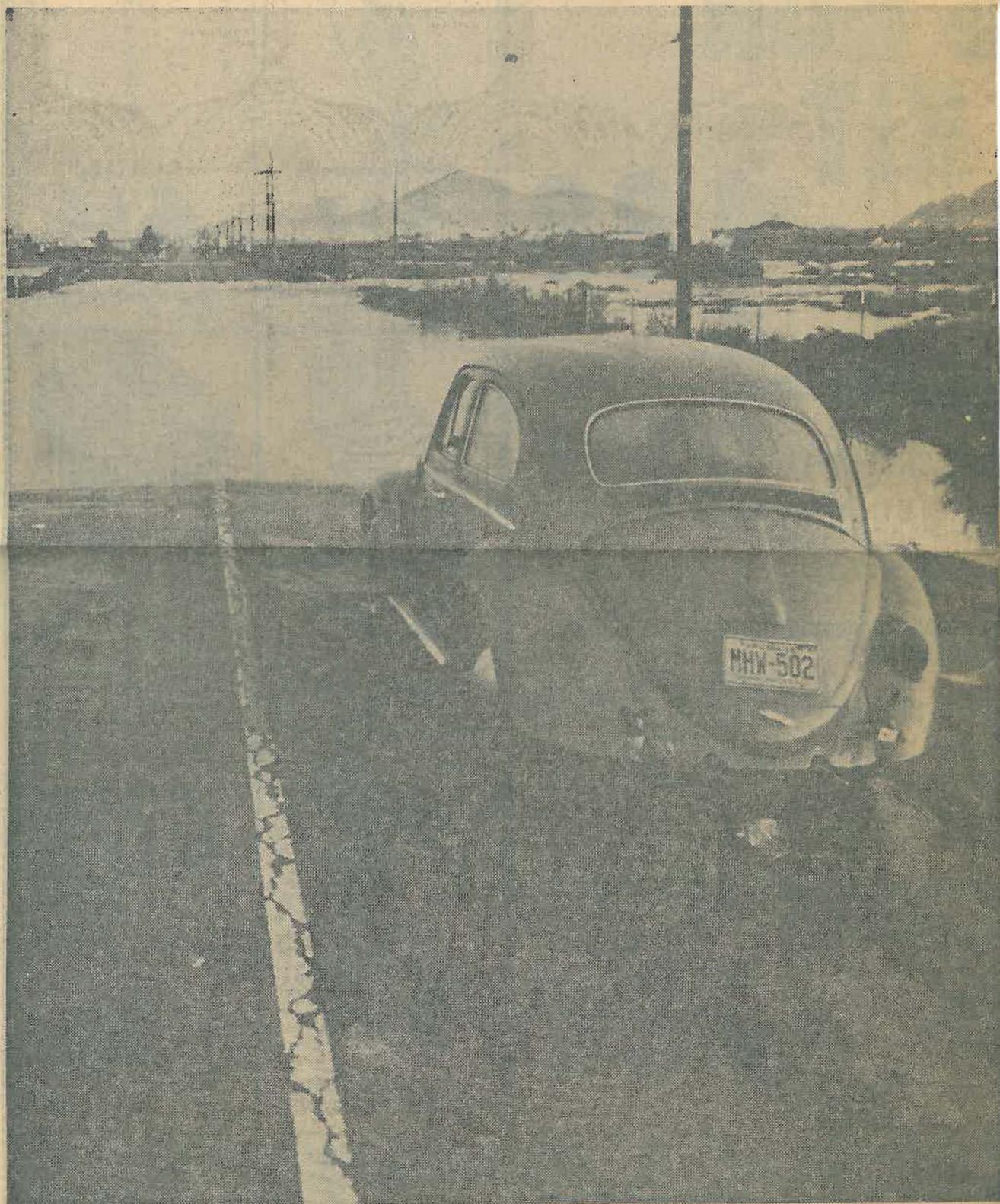
this photo are gurgling over 40th Street at the Salt River. Showers should decrease by tomorrow.



Gazette Staff Photo

Pickup-camper manages to get across inundated area of Seventh Avenue and Bell Road today. Heavy rains created

traffic problems throughout the state, flooding city streets, highways and normally dry washes.



Gazette Staff Photo

Stranded at Salt River crossing on 48th Street today, motorist had to walk off from his Volkswagen and look for other

transportation to work. Several streets remained flooded today in Phoenix and the Valley.

With the exception of Chaparral and McKellips, and Scottsdale Road in the Salt River bottom still was closed.

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ed, traffic flowing on McDonald D Road without

"Instead, to take their own hands, a man who had been stuck half way down the road naturally city able to resc

TEMPE 10/20/72



HIGH, BUT FAR FROM DRY — in the Salt River at the Scottsdale road crossing yesterday around 2:30 were these two trucks with their occupants, standing up trying to keep their feet dry. But it was to no avail, as the rains continued

to fall through the afternoon, and the river continued to rise with runoff from the Indian Bend Wash and Granite Reef Dam. The storm dumped upwards to two inches of rain in some parts of the Valley, more in some places.

Tony Lesce photo

TEMPE 10/20/72



HIGH WATER — was abundant in some parts of Tempe yesterday, following and during a rain storm which dumped nearly two inches of water over the Valley. In the top photo neighbors on Tempe drive and Williams street filled sandbags in anticipation of high water. The neighborhood was

badly flooded in June, with heavy property damage. In the bottom photo a dog, owned by Karen McCarthy North Scovel drive has that "what do I do next" look on his face as he sits in the water which surrounded his home.

Tony Lesce photos

Flood control to get PV funds

By DENNIS CARROLL
Progress Staff Writer

PARADISE VALLEY — Flood control projects, street improvement and law enforcement all stand to benefit from tax revenues returned to the town from the state if Proposition 200 is approved in the November general election, town manager Jack Phillips said today.

Approval of the state revenue sharing bill would net the town \$97,308, Phillips said. A good portion of that has been earmarked for street improvements and the maintenance and construction of flood runoff ditches along roads, he said.

The Town Council previously authorized the expenditure of up to \$25,800 for a flood control study which is being conducted by town engineer Todd Rockwell.

Receiving second priority, Phillips said, would be a new communications system for the town marshal's office.

Night and weekend calls to the office currently are dispatched through the Maricopa County Sheriff's

office. Residents wishing police assistance at those times usually first call the marshal's office where they are instructed to contact the sheriff's office.

A delay results, Phillips said, because of a lack of a sufficient communications system.

The town also stands to receive funds from the federal revenue sharing bill passed last week, Phillips indicated.

He said, however, that his office hasn't yet been informed as to how much money will be returned to the town.

Phillips noted that the town probably will be among those communities receiving the least in tax sharing. The average personal income in the town is quite high and local tax effort minimal with only a one per cent sales tax and no property tax, Phillips pointed out.

The amount of tax money returned to the states and cities is determined by a complicated formula using need, amount of local taxing effort and population as the determining criteria.

10-21-72 PROGRESS

TEMPE DAILY NEWS 10/21/72

Rain Water Closes Roads For Days

Salt River Project officials announced today that the river bottom may be flooded for quite some time, depending upon the rain water flowing into the system up north.

Project officials said the river

would hold water for at least several days, and maybe longer if water has to be released from Bartlett Lake.

The SRP said Horseshoe Lake is full and Bartlett is filling up fast. If Bartlett lake gets full, the water will have to be released down the normally empty Salt River bottom, they said.

Tempe police reported several motorists tried to cross the Salt River yesterday at Hayden and Scottsdale roads. All were stranded in the flow of water, but no one was injured.

Police did say that one motorist tried to cross at Scottsdale road and was swept downstream until officers could

Turn to Page 12

Rain

—From Page 1

get him out of the water near the Tempe bridge.

Tempe police investigated seven accidents Friday, with damages totaling more than \$5,000. Many of the accidents were caused from slick pavement after the three day rains.

The only roads crossing over the Salt River as of this morning were the Tempe bridge, the freeway, 19th avenue, Seventh street, Central avenue, and 16th and 24th streets in Phoenix. Country Club drive in Mesa was also reopened yesterday over the river bottom.

No rain measurements from the showers in Tempe yesterday were available, but many portions of Tempe reported heavy rain and hail around noon Friday.

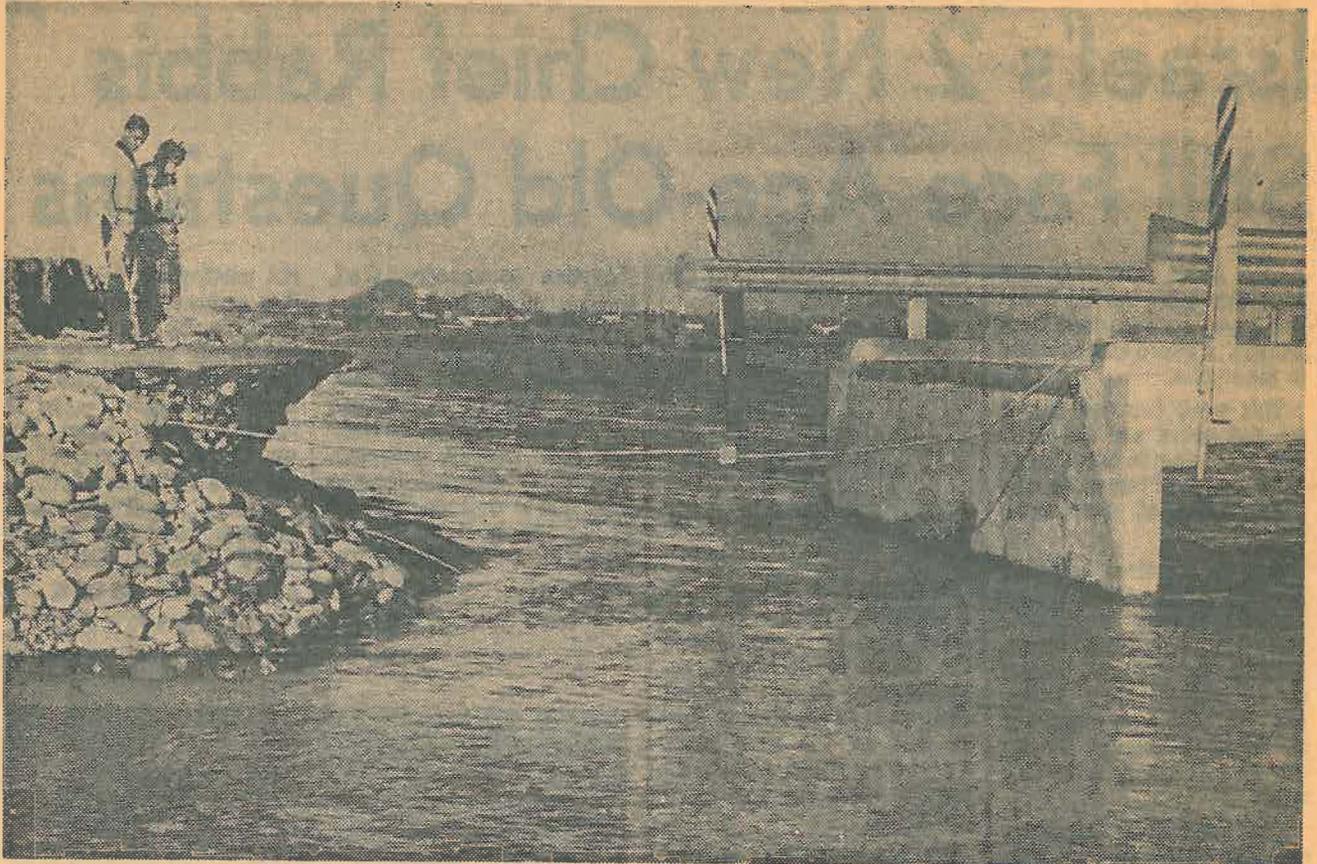
A hail and rain shower lasted about 20 minutes downtown yesterday, flooding the streets temporarily from the down pour.

Flood Talks In Progress

A Mesa Chamber of Commerce Task Force on flood control is holding weekly discussion meetings with officials from various governmental agencies and levels, Murrell Smith, chamber manager, reported today.

The meetings, open to the public, are held at the chamber buildings at 7:30 Friday mornings. Next Friday Maricopa County supervisor Henry Haws, and Col. James Lowry and John Estabrook of the county flood control district will discuss the topic with the group.

Aim of the meeting is to gather enough information and data to enable the task force to recommend a course of action on flood control projects for this area. MESA 10-23-72



Gazette Staff Photo by Bob Leiby

NO, IT'S NOT AN ISLAND

More than 12 feet of 40th Street just before it crosses the bridge at the Salt River was washed away by rains. Sight-

seers at washout were Mr. and Mrs. Raymond Smith of Phoenix and their three children.

Scottsdale *Daily* Progress

YOUR AWARD WINNING HOMETOWN NEWSPAPER

Vol. XII, No. 211

SCOTTSDALE, ARIZONA, SATURDAY, OCTOBER 21, 1972

35c Per Week — 10c Per Copy

Rain claims 6th victim

Gila floods Duncan

By United Press International

Flood water swept through low-lying areas of Duncan early this morning as the rain-swollen Gila River punctured and overflowed its dikes.

Lt. Andrew M. Jensen, a national guardsman, said water poured into the business district as well as some residential areas.

"The dike around town here has broken in two or three places," said Jensen minutes before he was evacuated from the sheriff's office before dawn. "The water is really coming in. The building I'm in is completely surrounded by water."

The flooding followed heavy rains Wednesday and Thursday that resulted in six deaths and at least 500 persons being evacuated from their homes in various areas of the state.

Navajo County sheriff's deputies evacuated four families from Bushman Acres, east of Winslow, Friday night as the Little Colorado River overflowed dikes. Deputies also said there was some flooding in Ames Acres, north of Winslow, but no one had to be evacuated. At dawn today, deputies said all immediate danger of additional flooding was past.

Greenlee County Sheriff Forrest Wilkinson at Clifton said some of the 400 persons evacuated

Thursday night were returning to their homes.

A 50-year-old flood control wall along the San Francisco River broke under the flood waters and a portion of the bank caved in, flooding the north part of Clifton.

At Safford, 43 miles southeast of Clifton, about 100 persons were evacuated Thursday night from an area known as "Little Hollywood." Sheriff's deputies said the area remained under water Friday night, but they said they expected the water to begin receding today.

Four persons died when two automobiles plunged into a washout on Highway 160, about 25 miles east of Tuba City on the Navajo Reservation.

The Highway Patrol said an earthen dam collapsed and the flood waters washed a 15-foot deep crevice in the pavement.

One car which plunged into the hole was driven by John Weil, 36, Phoenix. Weil and a passenger, Margaret Rose Edwards, 34, also of Phoenix, were killed.

The other victims, killed when the second car plunged into the 40-foot-wide hole, were Gonzalo Arce, 48, and Fernando Pereyra Hernandez, both of Calexico, Calif.

Steven Lee Konzen, 22, a University of Arizona

senior, drowned Friday afternoon when swept away by turbulent water while crossing a bridge in Sabino Canyon near Tucson.

C.R. Krimminger, an aide to Gov. Jack Williams, and Col. Carl N. Smith, state director of emergency services, toured the Holbrook-Winslow area and the Clifton-Safford area Friday at the request of the Governor.

Following their return to Phoenix, Krimminger and Smith contacted the Office of Emergency Planning in San Francisco and asked that staff members be sent to Arizona to view flood damage.

The Governor's office said the OEP observers would evaluate the seriousness of damage around the state and make recommendations to Washington on whether the state should be declared a disaster area.

Clifton Police Chief Manuel Gonzales estimated damage in his community at between \$500,000 and \$1 million. About 150 homes and 50 mobile homes were damaged or destroyed by the raging waters. Gas lines and sewer lines were broken and the city's water pumps were damaged, making it necessary for residents to boil their drinking water. At one time, water was 5 to 7 feet deep in one section of North Clifton.

If it had been raining on election day--

-WE'D HAVE BEEN A LOT DRIER AFTER LAST WEEK'S RAINS!

FLOOD-CONTROL "ROOFS" TURNED DOWN BY VOTERS

ARIZONA

REG. MANNING
Republic editorial cartoonist

10/22/72



The time is now

If hindsight and handwringing could be turned into foresight and action, metropolitan Phoenix could rid itself of what has become the Valley's No. 1 outrage:

Floods.

Three times in almost as few months, unprecedented and unwelcome deluges have swept through the Valley, routing families and ravaging property and a way of life.

The toll in the spectacular June episode—upwards of \$10 million in damage and destruction and more than 4,000 homes and businesses ravaged—is only the small part of the tragedy.

The worst of the aftermath was inarguable evidence that flood control in the Valley is pitifully meager.

There is plenty of blame to spread around.

For his part, the indifferent citizen's culpability lies with fair weather forgetfulness. He voted 3-to-1 six years ago against a \$22 million bond issue which would have helped start an earnest joint county-federal flood control program of some \$100 million.

Alas, when the sun shines on election day, who worries about floods tomorrow?

For its part, government has shown parallel paralysis.

The Maricopa County Board of Supervisors was authorized by the legislature to boost the Flood Control District's revenues fourfold. But supervisors also saw the sun shining, rejected an increase in flood control assessments from five to 20 cents per \$100 of property assessments.

The paltry \$600,000 now going to the county Flood Control office is like fighting a tidal wave with a sponge.

And what of the Legislature?

Flood control experts have warned that continued construction in flood plains and washes should be stopped by code. But proposed legislation fell on deaf ears.

Even the professionals are remiss. Plans for the Valley are scattered among uncoordinated agencies, and action on them progresses at a snail's pace.

Taken as a whole, the collective inaction and indifference from top to bottom has left the Valley and its people with no major protection for the next flood.

Nothing, not even the disputed transportation program, is as urgent to greater Phoenix as prompt action on flood control.

The next emergency could come with the next rain.

The Valley's quality of life and the security of families are in the balance.

Flood control should take priority over any other project in Maricopa County today. The human loss and suffering from floods are so grave that the Board of Supervisors and their engineers should and must give this matter the precedence it deserves.

A single, coordinated plan is needed.

Now.

Funding must be devised and found.

Now.

Who, pray, will provide the leadership?

Now.