

FLOOD AID AND DAMAGES

007.115

Library Call No. 007.115

0	Year	Title of Newspaper Article	x	Key Words
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0 - First Column is for the assigned newspaper article numbered in red

Year - Articles are all sorted by year

Title of Newspaper Article – Name of article

x – Separator between columns

Key Words – Key words in article

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1	October 31, 1959	Babies Swept Away - Flood Survivors Shocked, Grieving	X Babies, Deaths, Swirling Flood Waters, Storm, Cascading Waters, Flash Floods, Phoenix, Shannon Lee Mears, Mr. and Mrs. Francis Lee Mears, Tucson, Floodwaters, Apache Trail, Wall of Water, Davis Wash, Waist Deep in Sand, Sheriff's Deputy Bob Smith, Apache Lake, Mrs. Theresa Eldridge, Maude, Rampaging Waters, Dr. Dwight G. Hudson, Quarter Circle One Ranch, Cave Creek, Grapevine Road, Cavecreek, High Ground, Mr. and Mrs. Earl Jaul, Seven Springs, Rushing Flood Waters, Thomas and William Bradley, Brien Butler, Downstream, Airman Paul E. Roberts, Luke Air Force Base, Van Buren and Agua Fria Crossing, Truman McDaniel, 75th Avenue Near Indian School Road, Glendale Area
2	December 29, 1959	\$110,000 Repair Bill Due in Valley Storm Aftermath - County, City Roads Torn Up	X Street and Highway Damage, 1.3 Inches of Christmas Rain, Fred Glendening, Downpours, Maricopa County, Ervin E. Nelson, City Supervisor of Street Maintenance, City of Phoenix, 1.8 Inches Rain, Dec. 9-13, Salt River Channel, Scottsdale Road, 40th Street, 48th Street, Closed, Washouts, James G. Hart, Chairman of the Maricopa County Board of Supervisors, Construction, Bridges, Scottsdale Road and Seventh Street Crossings, Biggest Damage, 40th and 44th Street Crossings, Bridge Abutment, Sycamore Creek, Phoenix-Payson Beeline Highway, Partially Destroyed, Chuckholes, Captain Paul Blubaum, New Type Barricade, Permanent Poles, Cable and Warning Signs, Mrs. Thomas Edmondson
3	August 17, 1963	Rare Sights in the Valley (Pictures)	X Boats, Buses, Compete, Phoenix Streets, Airman I.C. Bob Shane, Luke Air Force Base, Susan Kay, Phoenix, Grand Canal, Burst Over Banks, Indian School, Sunset Drive, Homes Inundated, Massive Clean-up, Mrs. Larry Bauer, Home, Flooded, Floodwaters, Waist Deep, George Looney, Washout, Deep Water, Bill Thompson, Maryvale Chevron, 51st Avenue and Indian School, Valley, Mrs. James Masters, Lily Pauline, 71st Avenue and Mariposa
4	August 19, 1963	30 Flooded-Out Families Ask Assistance from Red Cross	X Flood, Northwest Phoenix, Glendale, Red Cross Assistance, Don Heiple, Maricopa County Chapter, Precautions, County Health Department, Precautions, Disease Outbreak, Flood Area, Joseph J. Weinstein, Environmental Health Division, Spot Checks, Water, Food Items, Chemicals, Mosquito Breeding
18	April 27, 1964	Need for Future Water Plan is Told At Tempe Conservation Meet	X Arizona, Using, Twice, Water, H.S. Raymond, Maricopa Municipal Water Conservation District No. 1, Soil Conservation Society, Pumped, Ground Sources, Not Replaced, Irrigation, Water Consumption, Mining Operations, Livestock Operations, Central Arizona Project Association, Colorado,
5	July 15, 1964	Salt River Dike Washed Out by Storm Water (Picture)	X Heavy Rain, Salt River Project, Arizona Canal, Cross Cut Canals, Salt River, Dirt Dike, 40th Street, Collapsed, Flooded Streets
6	July 16, 1964	Heavy Storm Damage	X Wickenburg, Damage, County Supervisor Ruth O'Neil, Court House Gang, November 22, Remuda Ranch, Assured Wickenburg Business Leaders, Prevent Disastrous Floods, Powder House Wash, Constellation Road Area, East of Wickenburg, Disastrous Rampage, 1.3 Inches Rain, Two Hours, Desert Cypress Trailer Ranch, Mrs. Herb Cameron, Herb Cameron, Wall of Water, Havoc, Home of Mr. and Mrs. C.E. Philbeck, Total Loss, Six Feet of Water, Storm Waters, Stagecoach Motel, Jean Miller, Junior Hershkowitz, Town Manager Reuben Stifel, Hassayampa
7	August 3, 1964	Salt and Verde Reservoirs Gain from Heavy Rain	X Washed Out Road, Flooded Salt River, Unbridged Country Club Drive, North Mesa, Reservoirs, Salt and Verde Rivers, Stored Water, Heavy Weekend Rains, Runoff, Seepage, Feed Water, Lakes, Lake Pleasant, Agua Fria River, Salt River, Peak Flows, Tonto Creek, Salt River Project, Flood Stage, Carefree
8	August 3, 1964	Rains May Continue This Week	X Arizona, More Rain, Phoenix, Sky Harbor, Carefree, Flagstaff, Gila Bend, Maverick, McNary, Payson, Prescott Airport, Yuma, Springerville, Bartlett Dam, Granite Reef, Diamond Point, Payson, Horseshoe Dam, Mormon Flat Dam, Roosevelt, Stewart Mountain Dam, Phoenix, Rain Grand Canyon-Page, Blythe, Buckeye Area, Superior, 40th and 48th Street Crossings, Salt River, Agua Fria River Crossings, Olive, Peoria, Indian School Road, Northern Avenue, Van Buren, McDowell, Thomas Roads, Lake Pleasant, State Route 93, Closed, Congress Junction to Kingman, Flooding, Louis R. Jurwitz
9	August 14, 1964	Rainstorms Strike Valley; Governor Surveys Winslow	X Heavy Rains, Power Failures, Valley, Storm, High Winds, Lightning, Winds Reached 50 mph, Down Trees, Power Lines, Flooding, Tempe, Flood Conditions, Winslow, Drenched, Arizona Cities, Gov. Fannin, Eloy, Flood Damage, Glendale, Scottsdale, Mesa, Scottsdale Road, Washed Out, JD's Restaurant, Hayden Road, Salt River, Country Club Drive, Arizona Highway Patrol, Mill Avenue, Runoff, Inundated, Southern Pacific Railroad, Closed, Hayden Flour Mill, Farmer Avenue, Trailer Courts, Salt River Project

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10	August 14, 1964	Businesses Suffer Heavy Damage (& Pictures)	X Flood Water, Tempe, Run-off Rains, Flooded, 20 Inches, Major Damage, LeBeau Custom Upholstery, Mill Avenue, Dick LeBeau, Davenport Jewelry, Shelly's Market, Lorraine's Beauty Shop, Severely Damaged, Palmcroft Manor, Windows Blown In, Hayden Plaza, Run-off Water, Grady Gammage Memorial Auditorium, Wind, Southern Avenue, Rural Road, Sky Harbor, Tempe, Victory Drive, Transmission Road, Grand Canal, Fifth Street and Mill Avenue, Arizona Public Service Company, Mardelle Mackey, Fashion Bootery, Toppled Palm, Dr. William G. Payne, Windstorm, Mrs. Allan Caraway, Claude Laird, Laird Drug Store, Flood Waters, Scottsdale Road, Curry Road
11	August 14, 1964	Rain Brings Laughs As Well As Trouble	X Devastating Storm, High Winds, Driving Rain, Hail, Heavy Downpour, Mrs. E.A. Rowlands, Seventh Street, Hailstones, Butte Avenue, Water Backed Up, Don Carlos, Butte and Lemon Streets, Cedar Street, Apache, Williams Street, North Tempe Area, Tempe High School, Teen Canteen
15	August 14, 1964	Scared Stiff (Picture)	X Mrs. David Reidhead, Underpass, Santa Fe Railroad, Winslow, Cloudburst, Car Floated In, Sank, Water Rose, 14-foot Ceiling
12	August 15, 1964	Lakes Rising - Rainswept Areas Begin Drying Out	X Arizona, Drying Out, Flooded, Storm Victims, Weather Bureau, Slight Damage, Washed Out Roads, Winslow, Gila Bend, Evacuate, Tempe, Mill Avenue, Mud, Water, Arizona Highway Patrol, U.S. 80, Phoenix, Broadway, L&S Air Conditioning, Eugene MacSpadden, Tempe Cafe, Truepenny Exchange, Ben's Scooter Sales and Service, Power Out, Transmission Terrace Subdivision, Rural Areas, Valley, Extensive Damage, Dr. Ivan Shields, Maricopa County Agricultural Engineer, Bill Davis, Arizona Cattle Growers Association, Stock Tanks, Filled, Salt River Project, Reservoirs, Lake Bartlett, Salt River, Roosevelt, Verde River, Storm, Dumped, Sky Harbor, Flagstaff, Weather Bureau, Tucson, Winslow, Thundershowers, Hailstones, Lake Mary, Remains of Concrete Support, Bridge
13	August 15, 1964	Flood Area Visited by Gov. Fannin	X Winslow, Gov. Fannin, Flood-stricken City, Mayor Lester Allen, Vice Mayor James I. Chavez, Arizona Highway Department Airplane, Eloy, From Air, 2 Inches Rain, Flooding, Seriously Damaged, U.S. Corps of Engineers, Civil Defense, Red Cross, Arizona National Guard, Coopertown, Adobe Walls, Washed Away, Fences, Torn Down, Water and Mud, Joe Miller, Water Puddles, Water Logged Furniture, Winslow Plaza, Streets Flooded, Insects, Breed, Standing Water
14	August 15, 1964	Tent Destroyed (Picture)	X Wind, Destroyed, W. 4th Street, Mesa-Tempe Canal, Twisting, Steel Structure, Mobil Home, Mesa
16	September 15, 1964	Out of Bed, Landed in Water	X Miss June Tagliaferro, Water Four Inches Deep, Rain, Flooded, East Monroe, Waterlogged, Heavy Rain, Don McKeown, Salt River Project, Pat Sawtelle, SRP, Charred Remains, Substation Plant, Lightning, Storm, Fire, 35th Avenue and Bethany Home, Shell Service Station, N. Central, LaCoy Johnson, City of Phoenix, 19th Avenue, Thomas Road, Undermined, Torrential Rain Storm, Widespread Flooding
20	September 15, 1964	Heavy Rains Cause Floods in Many Sections of City (Pictures)	X Water, 48th Street and Van Buren, Steve Morris, Flood, N. Central, La Croy Johnson, Roof Drain, Clogged, Roof Fell, Good Samaritan Hospital, Mop-up, Rainstorm, Flooded, Liberty Loans, Rainwater, Joe Steiner, Roberta Schultz, Art Green, Kenneth Wright, 19th and Grand Avenue, Earth Settling, Huge Storm Dain, Heavy Rain, Cave-ins, 19th Avenue between Thomas Road and Fillmore Street
17	September 21, 1964	U.S. Puts Phoenix in Disaster Area After Storm	X City of Phoenix, United States Government, Federal Aid, Available, Storm, Alvin Meyers, Disaster Area, Fred Glendening, Bond, Build, Better Drainage System, Floods and Drainage, Acting City Manager Charles Esser, Mayor Milton Graham, Storm Damage
19	October 3, 1964	Worst IN Many Years - Storm Leave Many Areas in Ruin - Destruction Comes from Lashing Rains, Roaring Flood Waters and Pounding Hail	X Cotton, Pounding Hail Storm, Queen Creek, Damage, J.H. Sossaman, Storm Damage, Rushing Flood Waters, Havoc, Federal-State Crop Reporting Service, Phoenix, Don Charles, Hebbard and Charles, Kansas Settlement, Willcox, San Simon, Marana, Red Rock, Peoria, Queen Creek, Salt River Valley, Lashing Rains, Ray Nichols, Western Cotton Products, Farmers, Jim Hamilton, Jack Harris, Jack Barnes, Dave Shumway, Stan Turley, Driving Hail, Chandler Heights, Williams Air Force Base, Damage, Fields, Denuded Foliage, Bare Stocks, Lynn Duncan, Gulfs' Spencer Chemical Div., Jay Tschudy, Williams Field Road, Kyrene District, Pima and Pinal Counties, Bad Flooding, Santa Cruz River, Heavy Rains, Tucson, Flood Waters, Backed Up, Eloy, Green Valley, Cracks, Dam, Might Collapse, Tom Willmoth, Ben Scott, Jim Savage, Floods, Harquahala Valley, Damaged Crops, Arizona

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21	October 15, 1964	Poor Flood Control Law Keeps Federal Aid Out	X Maricopa County, City of Phoenix, Federal Aid, Effective Measures Adopted, Control Land Use, Flood Drainage Areas, Enforceable "Flood Plan" Zoning Regulations, Construction in Flood-prone Areas, Failure to Replace Natural Drainage Channels, Storm Sewers, William Johnson, City Planning and Zoning Director, Washes, Dry River Beds, Other Low Areas, Drafted, Consideration, Board of Supervisors, Phoenix Public Works Director Fred Glendening, Cave Creek Wash, Salt River, Arizona Canal, 1880's, Valley, Irrigated Farm Land, Natural Absorption, Dry Creeks, Washes, Overflow, Dams Constructed, Heavy Flows, Inundated
22	December 30, 1965	\$4 Million Flood Damage - Toll on Private Property Only Guess	X Damage, Civil Defense and Emergency Planning, Federal Disaster Funds, Col. Carl N. Smith, Public Damage, Private Damage, Tucson, Pima County, Tucson Sewage System, Ken Scharman, Manager Tucson Sanitary District 1, damaged Lines, Pumping Sewage Rillito Creek, Santa Cruz County, Pinal and Graham Counties, Sam Stedman, Loss, Cotton Growers, Farming Community, Maricopa, Water Damage, Gov. Goddard, President Johnson, Flood-damaged Counties, Flood Repairs, Disaster Aid, Public Law 875, National Guard Troops
23	December 30, 1965	Sewage Flows Into River	X Ruptured 10-inch Pipeline, Washed Out, Raw Sewage, Salt River, Phoenix, Art F. Vondrick, City Water and Sewer Department, 19th Avenue and the River, Sewage, Pond
24	December 31, 1965	Sewage Ponds (Pictures)	X Sewage Pipeline, 19th Avenue and Salt River Bed, Washed Out, Flood, Waster, Large Ponds, Chemicals Added, Health Hazard, Discharge, Granite Reef Dam, Flush Away, Valley, Broken Sewage Pipe, Heavy Flow, Roadway
25	January 1, 1966	Salt River Flood Damage \$1.2 Million, Rising Fast - \$700,000 to Public Property	X Damages, Waters, Salt River, Flooding, Receded, Destruction Uncovered, Civil Defense, Flooded Homes, 5,000 People Evacuated, Sen. George Peck, Emergency Fund, State Highway Director Justin Herman, Civil Defense Chief Carl Smith, Maricopa Freeway, 30th Street, Emergency Fill, Boulders, Wrecked Autos, Washed-out Concrete, Flood Control Dike, Country Club Drive, Mesa, Washed-out Pipes, Roadway, Culverts, Mill Avenue, Tempe, Sewers, Central Avenue Bridge, Erosion, Foundations, Sagging, Sky Harbor Airport, Blast Fence, Runway, Taxiways, River, Level Crossings, 40th, 24th, 16th, Seventh Streets and Seventh, 19th, 35th, 51st Avenues, Arizona Public Service Co., Rupture of Gas Lines at Seventh, 48th and 56th Streets, U.S. 80, Buckeye, Tanner Brothers Contracting Co., Hugh Rock Crusher, Dikes, Scottsdale Road, JD's Nightclub, Service Station, Wrecking Yards, Homes
26	January 1, 1966	Orien Fifer Jr. - Covering the Flood Real Team Effort	X Mud, Dirty Water, Tempe Bridge, Flood Peak, Bill Meek, Freeway, River Bed, Parts Deteriorating, Bolles/Keaton, Roads, Bridges, Washouts, Cole/Brown, Rising Water, Damage, Evacuations, Water Downstream, Cousland/McCathy, Evacuation, South Mountain High School, Jack West, Lehi Area, Sky Harbor Runway, Armstrong, King, Martin, Early, Bailey, Ridge, Sitter/Repp, Central Avenue Bridge, Paul Dean, Gov. Goddard, Jean Duffy, Phoenix Union, Early, Heatwole, Murray, Crowe, Wynn, Avery, Salt River Project Headquarters, Berger, Dumond, McVey, Polson, Melbo, Cavanaugh, Haney, Egerton, Joe Patrick, Crest, Closing, Ivan Mashek, Ed Murray, Tom Sanford, Hugh Harelson, Eddie Meier, Earl Zabin, Smart Department, Camelback Mountain, Estey Reed, Gila and Salt River Reservations, Flooded Out
27	January 1, 1966	Red Cross Meets New Food Crisis	X Maricopa County Red Cross, William Pederson, Scottsdale High School System, Lee Krebs, Chapter Manager, Salt River, Evacuation Stations, Phoenicians, Evelyn Carmack, La Galleria Art Gallery, Theodore A. Edwards, R.N., Mrs. Edwards
28	January 1, 1966	Stream Polluted by Sewage, But Health Danger Minimal	X Sewage Polluted Floodwaters, Salt River, Valley, Maricopa County, Dr. S.F. Farnsworth, County Health Director, Threat, Drinking Water, Do's and Don't, Waters Recede, Red Cross, Civil Defense, Mesa, Tempe, Inundated Sewage Ponds, Scottsdale, Ruptured Sewer Line, Phoenix, 19th Avenue, Salt River
29	January 1, 1966	An Index for Floodouts: Some Do's and Don'ts	X Floodwaters, Contaminated Waters, Precautions, Observance of Rules, Avoid, Intestinal Upsets, Illnesses, Usually Follow Floods

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30	January 1, 1966	Floodwaters Leave Phoenix With Streets, Garbage Crisis	X City of Phoenix, Floodwaters, Garbage Disposal Crisis, Mayor Graham, Flooding, Salt River, Damage, Vote, Bond Issue, Fred Glendening, Central Avenue Bridge, Phoenix, Garbage Collection, James A. Stokely, City Refuse, Municipal landfill, 19th Avenue and Greenway, Salt River Bed and 16th Street, Inundated, Floodwaters, Camelback Road, Salt River Landfills, Charles Esser, Assistant City Manager, Flood Area, Stewart Mountain Dam, Saguaro Lake, Maricopa County Civil Defense Headquarters, Papago Park, Wiped Out, Extensive Repair, River Crossings, Crossings at 48th, 40th, 24th, 16th, Seventh Streets and Seventh, 19th, 35th Avenues, Street Barricades, Sandbags, Levees, 23rd Avenue, Sewage Treatment Plant, 23rd Avenue and 91st Avenue, Dario Travani, Abandoned Treatment Plant, Confluence, Salt and Verde Rivers, Submerged, Storage Yard, Evacuated, Cats and Dogs, County Dog Pound
31	January 1, 1966	New Flood Warning For Safford Residents	X Runoff, New Mexico, Swell Gila River, Weather Bureau, Safford, Upper Gila River, Cliff, N.M., Flooding, Sandbag Dikes, Downpour of Rain, Snow, Maverick, McNary, Show Low, Massive Rainstorm, Pima and Safford Bridges, Closed, Hillcrest Area, Civil Defense, National Guard, Hank Geitz, 10 1/2-foot Wall of Water, Snowflake, Heavy Rains, Watersoaked, Torrent, Cottonwood Wash, Arizona 277, Heber, Drainage Pipes, Uprooted Trees, Floating, Debris, Flood-formed Dam, Tucson,
32	January 1, 1966	River Goes on Bender - Flood is Contrast of Silent Awe, Raging Terror	X Arizona's Great Flood, Water, Eroded Concrete Hard Dirt, Verde, Valley, Arizonan's, Gov. Goddard, Arizona Army National Guard, Ranchers, Farmers, Bureau of Reclamation, Boulder City, Nev., Washington, U.S. Army, Air Force, Maricopa County Sheriff's Air Posse, Civil Air Patrol, Developing Flood Perils, Sky Harbor Airport, CAP, Buckeye, Bartlett, Roosevelt Lakes, Damage, Downstream, Dam Spillways, Scottsdale, Underwater, Ol' Man River, Granite Reef Road, Country Club Drive, Scottsdale Road, Arizona Highway Department, Phoenix, Muddy Waters, Salt River, Tempe Bridges, Smith and Kelly Stockyards, South Central, Street, Avenue, Crossed, River Bottom, Drowned, Brown Water, River Bottom Quarries
33	January 1, 1966	More About - Flood Toll	X Dirt Embankments, Central Avenue Bridge, Debris-strewn Waters, Inundated Farms, 51st Avenue, Phoenix, Islands, Midriver, Hughes and Ganz Cattle Co., Smith and Kelly Feed Co., 48th Street, Del Rio Cattle Co., S. 56th Street, Tempe, Mud-covered, Brud Delano, Murky Water, Damage, National Guard, Civil Defense
34	January 1, 1966	Goddard Sta... Awaits Flood	X Gov. Goddard, President Johnson, Arizona, Federal Repair, Salt River Valley, Flood Danger, Washington, Flood-damaged Public Works, Federal Aid, Ben Arnold, Coolidge, Flood-warning System, Salt River Flood, A.B. West, U.S. Reclamation Bureau, Boulder City, Nev., Office of Emergency Planning, Corps of Engineers, Department of Health, Education and Welfare, U.S. 60-70, Only Tempe Bridge, South Central Avenue Bridge
35	January 2, 1966	Rivers May Give State \$10 Million Bill	X Arizona's Bill, Floodwaters, Phoenix, City Cut in Half, Flooded, Salt River, Closure, Central Avenue Bridge, Tempe Bridge, Maricopa Freeway, Rep. Leon Thompson, Sand and Rock Companies, Salt River Bed, Threaten, Flooding, Homes, Scottsdale Road, Gov. Goddard, Maricopa County, Safford, Estimates, Damages, Partial Collapse, East Side Bridge, Safe, Mayor Graham, Wait, River Bed Dry, Letter, Union Rock and Sand Co., Built, Jutting Island, Interferes, Normal Flow of Water, Constricting Water Flow, Man-made Split, Removal of Dirt, Excavations, Flood Erosion, Maricopa Freeway Bridge, Damage Estimators, Los Angeles, U.S. Army Corps of Engineers, Flood Situation
36	January 4, 1966	High Water Roundup - State Welfare Funds Taking Flood Beating	X Flood, Salt River Bed, Rains, Crops, Arizona, State Welfare Commissioner John O. Graham, Maricopa, Pima, Pinal, Graham and Yuma Counties, Salvation Army, Eloy-Stanfield-Casa Grange Areas, Rain Damage, Heavy, Papago Reservation, Migrant Ministry, Red Cross, Lee Krebs, Maricopa County Chapter Manager, West Coast, Salt River, Stocked, Navy Reserve Training Center, Safeway Store, Air National Guard, Sky Harbor, Gary Hart, Flooding, Hayden Road Crossing, Arizona National Guard, Carl Pastorino, Floodwaters, Capt. Ralph Edmundson, Scottsdale
37	January 4, 1966	Lack of Organization in Flood Aid Claimed - Command Post Need Declared	X Lack of, Communication, Coordination, Flood, Phoenix Union High School System, Dr. Howard C. Seymour, Conflicting or No Information, Red Cross, South Mountain and Phoenix Union High Schools, National Guard, Dr. Trevor Browne, Riverbed Flood
38	January 5, 1966	Flood Notes - Emergency Aid Slows to Trickle	X Emergency Welfare Aid, River Flooding Victims, Arizona Department of Public Welfare Commissioner John O. Graham, Pinal County, Eloy-Stanfield, Rep. G.O. Biles, Sen. Ben Arnold, City Traffic Engineer Charles Haley, Central Avenue and Tempe Bridges, Flood Crisis, Phoenix, Tempe

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39	January 5, 1966	Sunday is Target Day for Ending Spillover	X Scottsdale Sewer Ponds, Salt River Channel, Damaged, Riverbed Flooded, Rod J. McMullen, General Manager Salt River Project, River, Flowed, Phoenix, Dams, Verde and Salt Rivers, Flood Conference, Governor Goddard, President, Arizona, Disaster Area, Mayor Milton Graham, Maricopa County, Mesa, Tempe, Scottsdale, State Highways, Graham County, Pima County
40	January 5, 1966	Plans May Ease Bridge Traffic	X Emergency Measures, Flow Traffic, Phoenix, South Phoenix, Tempe, Salt River, Water-damaged South Central Bridge, Maricopa Freeway, Riverbed Crossing, Water Flow, Subsides, Charles E. Haley, Capt. Robert Volden, Tempe Police Chief Worth Farley, 32nd Street, 40th Street, Broadway Intersection, Baseline
41	January 5, 1966	Health Warning Cites Garbage	X Delays, Pickup, Garbage, Recent Flood Conditions, County Health Department, Joseph Weinstein, Environmental Health Director
42	January 5, 1966	Valley Residents Warned Floods Threat to Mid-May	X Gov. Goddard, Mayor Graham, Carl N. Smith, Samuel Lanford, John Lowry, Leon Thompson, Justin Herman, Phoenix, Salt River Flooding, Rod J. McMullen, Salt River Project General Manager, Valley, Release of Water, Conference on Flood Damage, Rumors, Roosevelt Dam, Collapse, Flow, Water, Reservoirs, Salt and Verde Rivers, Cloves Campbell, James Ligner, U.S. Geological Survey, Maricopa County Flood Control District, 1891 Flood, Four Times Worse, Sky Harbor Airport, Water Lines, Sewage System Damage, Landfill Damage, Mayor Bert Brown, Mesa, Sewage Disposal System Damage, Tempe, mayor John C. Moeur, Pima County, Graham, Pinal, Yuma County
43	January 6, 1966	\$15,361-394 Year End Total - 1965 Was Up and Down Year for Building Locally - Monthly Figures Varied	X 1965, New Construction, C.C. Rivers, City Building Inspection Director, Strike-lockout Situation, Construction Field, Issuing Permits, Water Treatment Plant, Arizona State University, Emergency Gas Line, Arizona Public Service, Hayden Road, Tempe, Phoenix, Delayed, Water, Salt River
44	January 6, 1966	Flood-Cause Traffic Controls are Expensive	X Tempe, Loss, Flooding, Salt River, Mayor John Moeur, Costs, Overtime, Police, Traffic Control, Arizona State University, Heavy Traffic Flow
45	January 6, 1966	SRP Prevented Worse Flood, Manager Claims - Project Dams Twice Checked Flash Runoff from Up-River Watershed, McMullin Asserts	X SRP, Downriver, Flooding, Salt River, General Manager Rod J. McMullin, Salt River Project, Hold Damage Down, Flood Control, December 20, Two Floods Occurred, SRP Dams, Reservoirs, Verde, Flow, December 24, Nearly Full, Open, Roosevelt Spillways, Since 1941, Low-flow Channel, Not Salt's Historic Riverbed, Damage, Hayden Road Crossing, Reopen Country Club Drive, Mill Avenue
46	January 6, 1966	Flood Victims Parley	X Owners, Riverbottom, Properties, Victims, Recent Flooding, salt River, Tempe Bridge, Homer Evans, Pet Rest Memorial Cemetery, Small Business Administration, SBA Loans, Robert Evans, Cyr and Evans, Salt River Project, Release of Water, Financial Loss, Sand and Gravel Stockpile, Washed Away, Radio KYND
47	January 11, 1966	Emergency Flood Repairs Ordered	X Phoenix City Council, Emergency Flood Repairs, Landfill Site, Convention Center, Salt River Flood, Restore, Collapsed, West Span, South Central Avenue Bridge, Construct Culverts, 16th Street, Build Culverts, 19th Avenue, Repair Sanitary Sewer Line, Salt River Project, Seventh Street and Seventh Avenue, Traffic Detoured, City Manager Robert Coop, Spillway Gates, Stewart Mountain Dam, Bartlett Dam, Verde, Granite Reef Diversion Dam, Country Club Drive Crossing, Mesa, Three Major Channels, Water Running Across Roadbed, Highway Department Crews, Earth Dike, Upstream, Divert Water, Construction, Temporary Roadbed, Sanitary Landfill Site, Objections, Deer Valley Land Owners Association, Phoenix, Middle Mountain, Obed M. Lassen, State Land Commissioner, Sell Land, Grazing Lease, Robert Lockett, Lockett Ranches, James Hill, Attorney, Mayor Milton Graham, Edward Jacobson, Larry Burke, Alfred Rasor, Stanford Research Institute, Menlo Park, Calif., Convention Center and Auditorium, Arizona Biochemical Co., 22nd Avenue and Lower Buckeye Road, 23rd Avenue Sewage Treatment Plant, John Williams
48	January 11, 1966	Control Sought - Lakes Up Some; Gates Closed Yet	X Lakes, Salt and Verde Rivers, Storage, Runoff, Gates, Lower Dams, Stewart Mountain Bartlett, Granite Reef Diversion Dam, Salt River Project, Permit Storage Gains Again, Open Capacity, Lake Pleasant, Beardsley Project, Phoenix, Diversion Reservoir
49	January 13, 1966	Appraisal of Flood Disaster Help Made by Tempe Red Cross Branch	X Tempe Branch Maricopa County Chapter American Red Cross, Flooding, Valley, Harman's Ranch Restaurant, Joe Spracale, Mrs. Nancy McCluney, National Guard Armory, Flood Damage, North Tempe Area, Princess Road and Mary Drive, Families, Evacuated, Flood Waters, Emergency Assistance, Lee Krebs, Chapter Manager, High Waters, Salt River, Bruce Harper, Mrs. Charles Hoyt, Arizona State Tuberculosis Sanatorium, South Phoenix, Kappa Delta Sorority, Arizona State University, Chandler, Mrs. Thomas Schroeter, Miss Margaret McDonald, Maricopa Chapter, Mary Alice Henderson, Macine Larkin, Steve Forister

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50	January 13, 1966	Farm Flood Aid Sought in Four Arizona Counties - \$716,000 for U.S. Fund Asked	X Four Arizona Counties, Federal Disaster Funds, Repair, Flood Damage, Farms, U.S. Department of Agriculture (USDA) State Disaster Committee, Emergency Fund, Graham, Greenlee, Gila and Pinal Counties, Extensive Damage, Flood, Earthquake or Other Natural Disaster, Dr. George E. Hull, Tucson, Arizona, George Freestone, Phoenix, Farmers Home Administration, O.W. (Bill) Rugg, Casa Grande, Arizona Stabilization and Conservation Service (ASCS), Steve Faltis, Soil Conservation Service (SCS), Land Eroded by Floodwaters, Restoring Dikes, Concrete, Dirt Ditches, Irrigated Lands, Re-Leveling of Irrigated Lands, Channel Repairs, Reconstruction of Fences, Crop and Range Lands, Pima, Santa Cruz, Yavapai, Agriculture Conservation Program (ACP)
51	January 14, 1966	If Flow Stops - 2-Week Time Set for Fix Crossings	X Damaged Pavement, West Span of Central Avenue Bridge, Salt River, Repair Structure, Flowing, Traffic Crossings, Seventh Street and Seventh Avenue, 19th Avenue and 16th Street, Constructed, Fred Glendening, City Public Works Director, Washed Out Again, Culvert Crossings, Flowed Down River, Dec. 31, Considerable Damage, Roads, Other Installations, Riverbed, City Crews, Approaches, Four Crossings, Collapsed, Bridge Repair, Keep Water Off, Sky Harbor Airport, 40th Street, Edward M. Hall, Salt River Project, Phoenix Area, Stewart Mountain and Bartlett Dams, Granite Reef Dam, Northeast of Mesa, Diversion Structure, Damaged, Spilling, High Water
53	January 14, 1966	Temporary Crossings Will Open	X City of Phoenix Engineers, Material, Deposited, Gravel Firm, Diverted, Salt River, Weakening of Piers, Collapse, Roadway, West Span of South Central Avenue Bridge, Seventh Street, Seventh Avenue, Fred Glendening, Public Works Director, Seventh Street Crossing, Primitive, Strong, Carry Traffic, Residue of Water, 19th Avenue and 16th Street, East Span of Central Avenue Bridge, Maricopa Freeway, Tempe Bridge, Washed Out, Eight Crossings
54	January 14, 1966	Storm-Sewer Blast Injures 2 Workers	X Salt River Project Employees, Gas Explosion, Storm Sewer, Seventh Street and Bethany Home Road, C.R. (Chuck) Wooden, Peoria, Jack Fox, Scottsdale, Good Samaritan Hospital, Dale Burke, Structural Cement Forms Separated, Ignacio Mesa, St. Joseph's Hospital, Floyd Wright, salt River Project Superintendent, Irrigation Turnout, Spark
52	January 15, 1966	Two New Gas Mains To Go Under Water	X Two Draglines, Digging, Trench, Salt River Bottom, Hayden Road, New 10-inch Natural Gas Main, Arizona Public Service Company, APS, Flooding, High Water, Gas Service, Scottsdale, East Phoenix, Water Receded, Swift Current, Cut New Channel, Gas Main Exposed, December 31 and January 10, 18-day Dry-up, River-bed, Seepage of Water, Excavation, APS Crews, Concrete, 48th Street
55	January 18, 1966	SRP May Get Flood Aid If Legislature Passes Bill	X Increase, State Emergency Fund, Passed, Salt River Project, Release of Water, Riverbed Flooding, Arizona Senate, Dam, Verde and Salt Rivers, Flood-damage Funds, Governor Goddard, Sen. Robert Hathaway, Sen. Harold C. Giss, Sen. Ben Arnold, Sen. Glenn Blansett, Sen. George Peck, Sen. Edward Kennedy, Arizona Public Service, Corporation Commission
56	January 18, 1966	Emergency Fund Measure Introduced in Senate	X Senate Appropriations Committee, Governor's Emergency Fund, December Floods, Arizona, Major Disasters, Other Emergencies, Sen. Edward Kennedy, State Board of Health, Quality of Air, Antismog, State Highway Commission, National Guard, New Headquarters, Building, Papago Park, Phoenix, Board of Directors, State Institutions for Juveniles, State Tuberculosis Sanatorium, Congress, Dodd Bill, State Hospital Land, Maricopa County
57	January 18, 1966	Senate OK Due for Flood Emergency Fund Bill Today	X Governor's Emergency Fund, Senate Judiciary Committee, Major Disaster, Arizona, Counties and Municipalities Committee, Salt River Project, Sen. Robert Hathaway, Santa Cruz, Sen. Edward Kennedy, Public Utility Companies, Corporation Commission, Sen. George Peck, Political Subdivision
58	January 18, 1966	Coop Lists 'Challenges' Facing City	X Phoenicians, City Manager Robert Coop, Phoenix, Phoenix Kiwanis Club, Housing Codes, Paving Districts, Convention Center and Auditorium, Flood Control Bond Election, Salt River Bed, Bridges, Crossings, Urban Beautification Landscaping, Street Cleaning, Federal Approval, Papago East Freeway
59	January 19, 1966	Some House Chiefs Unhappy About Emergency Fund Bill	X Governor's Emergency Fund, Arizona House, House Speaker Jack Gilbert, House Majority Leader John Haugh, House Appropriations Committee Chairman G.O. Biles, Hasty Action, Bill, Law, Sens. C.B. Smith, Santa Cruz, John Conlan, Maricopa, Ray Thompson, Yuma, Recent Floods, Arizona, Construction, River Beds, State Taxpayers, Senate Majority Leader Harold Giss, Future Disaster, Federal Help, Repairing Damage, Senate Judiciary Committee, Maricopa County, Arizona Supreme Court Justice Fred Struckmeyer, State Government Committee
60	January 21, 1966	The Superintendent Says: Red Cross Pays for Flood Food	X Pays, Food, Labor, Flood Emergency, Red Cross, Flood Victims, Phoenix Union, South Mountain, Central, North High Schools, Nick Finch

0	Year	Title of Newspaper Article	X Key Words
61	January 24, 1966	Flood Aid Hikes Rolls of Welfare	X Arizona Welfare Department, Welfare Commissioner John O. Graham, Heavy Rains, Flooding, Emergency Relief
62	January 24, 1966	Salt Shut-off May Continue	X Weather Conditions, 18-day Shut-off of Water, Salt River Project, SRP, Storage Capacity. Granite Reef Dam, Payson, Prescott, McNary, Below-freezing Temperatures, Power Lines, Damaged, New Year's Runoff, Salt River Channel, Rod J. McMullin
63	January 25, 1966	Narrower River Channel Given Praise	X River Channel Clearance, County Wide Flood Control, Arizona Game and Fish Department, Dr. Wendell G. Swank, Salt and Gila Rivers, L. Alton Riggs, Chairman County Board of Supervisors, Maricopa County Flood Control District, Opposed, Destroy, Natural Wildlife Habitat
64	January 26, 1966	Only Ship in Arizona Navy' (Pictures)	X Dredge, Katy Pickrell, Ship, Arizona Navy, Diversion Waters, Granite Reef Dam, Sediment, Recent Floods, Salt River Project, Swamped by Floodwaters, Moor it, Abandoned Ship, Water Receded, Sunk, Deep Hole, Sand, W.W. (Bill) Pickrell, Salt River Valley Water Users Association, Drydock, Repairs, Superstructure, Twisted
65	January 28, 1966	Flood's Aftermath, A Roundup - Firm Agrees to Remove River Channel 'Peninsula'	X Union Rock and Materials Corp., Court Decree, Remove, Gravel Mound, Peninsulas, Channel, Salt River, Mark Wilmer, River Bank, South Central Avenue Bridge, City of Phoenix, River Obstruction, Damage, New Year's Eve, Impeding River's Flow, Flood Waters Discharge, Upriver, Landfill, Salt River Project, Floodgates, Gravel and Excavating Firm, Immediate Clearance, Superior Court Judge George M. Sterling, Wilmer and John Madden, 19th Avenue Bridge, 16th and 40th Streets, Salt River Dry Up Period, Fred Glendening, Phoenix Public Works Director, High Strength Concrete, Salt River Project Reservoirs, Salt River Channel, Granite Reef, Weather Conditions, Runoff, Tonto Creek, Four Reservoirs, Verde River, Tempe, Flood Control Work, Indian Bend Wash, Levees, Constructed, Overflow, Gale Christy, Acting Tempe City Manager, Maricopa County Flood Control District, Rights-of-way, U.S. Corps of Engineers, Bond Issue, Election
73	February 3, 1966	Wildlife Need Considered in River Channel Proposal	X Fred Weiler, Bureau of Land Management, No Channel Clearance, Gila River, Consideration, Effect, Wildlife, Maricopa County Flood Control District, Gila River, Cleared of Vegetation, Debris, 91st Avenue to Gillespie Dam, Buckeye, Corps of Engineer, County Supervisor L. Alton Riggs, Riverbed, Under Control, BLM, Belt of Salt Cedars, Prime Wildlife Habitat, Doves, Alteration, Gila River Terrain, Impact, Flood Control Work, Drainage, Small Lakes, BML Land
66	February 5, 1966	Watered Down Flood Aid Bill Sent Back to Senate	X Arizona House, Senate, Watered Down Bill, Governor's Emergency Fund, Disaster Aid, House Amendments, Flooding, Arizona, December and January, Rep. Robert Stamp, Maricopa, Rep. Larry Oldham, Tucson Flood Relief Bill
67	February 5, 1966	Groundwater Realities	X Groundwater, Aquifers and Pumpage, Storms, Depleted Groundwater Reserves, Artificial Recharge, Flood Waters Flow, Existing Wells, Natural Recharge, Low, Soil, Porous Gravel, Run Downhill, Santa Cruz, Tributaries, Southern Arizona, Stuart Brown, USGS, Rillito, Tucson, Water Table, Risen, Replenishment, Bed of a River, Arroyo, Pumped Out, Flood Water, Colloids, Other Minerals, Vegetable, Animal Matter, Course Trash, Underground Formation, Well Casing, University of Arizona, Experiments, Reservoirs, Full, Irrigation, Controlled Floods
68	February 7, 1966	Court Order is Directed at Landfill	X Arizona Sand and Rock Co., Removing, Landfill Obstructions, Salt River Channel, South Central Avenue Bridge, Superior Court, Judge George M. Sterling, Central Avenue Landfill Corp., City of Phoenix, Excavation, Landfill, Bottom Elevation, Free Flow, Salt River Water, City Storm Sewer Outfall, Bridge, Sand and Rock, Impeded, Rivers Flow, Heavy Flood Runoff, Union Rock and Materials Corp., Arizona Public Service Co.
69	February 7, 1966	Pleasant's Water Close to Capacity	X Lake Pleasant, water Storage, Yavapai-Maricopa County, New River, Agua Fria River, Maricopa County Municipal Water Conservation District No. 1, Carl lake Pleasant Dam, Constructed, 38 Years Ago, Farmers
70	February 9, 1966	Farm Bureau Asks Change in Canal Drainage	X Maricopa County Farm Bureau, County Flood Control Plans, Changed, Drainage Canals, Flow North to South, Then East to West, Corps of Engineers, Design, Drainage System, Empty Into Salt Rather than Agua Fria River, Farm Bureau President Henry Becker, Chandler, Utilize, Existing, Right-of-way, Maryvale and Olive Drainage Canals, Construction, Viaducts Over Laterals, Chop-up Farm Lands, Fields, Western Maricopa County
71	February 10, 1966	Check Flood Loss - \$17,000 Is Estimated Damage for Tempe	X Tempe, Flood Loss, Gale Christy, Acting Manager, Overtime Pay, Police, Emergency Personnel, Material Damage, Water and Sewer Line, 13-inch Tempe-Mesa Interceptor Sewer, Clearing Dirt, Silt, Mud, 8-inch Water Main, Six-inch Pressure Sewer Line, Salt River, Scottsdale Road, Manholes Damaged, Disposal Plant, Power Outage, Emergency Communication Equipment, Planning and Zoning, Building Permit Fees, Maricopa County Civil Defense Program, Right-of-way, West University Drive, Mill Avenue to Hardy Drive, Paving and Drainage Project, East University Drive, Mill to Rural Road, Central Fire Station, Hal Grammer Construction Co., Frank Benedict, TUHS, McClintock Drive, Peter D'Amico

0	Year	Title of Newspaper Article	X Key Words
72	February 12, 1966	House to OK \$750,000 Flood Bill	X Governor's Emergency Fund, House Speaker Jack Gilbert, Cochise, Senate President Clarence Carpenter, Gila, Disaster, Repair of Damages, December and January Flooding
74	February 15, 1966	Flood Funds Delayed	X House and Senate, Governor's Emergency Fund, Damaged, Recent Floods, Compromise Bill, State Corporation Commission, Arizona Public Service Co., State Court of Appeals, Western Interstate Cooperation on Education
75	February 17, 1966	Flood Fund Bill Sent to Goddard - Mesan Turley Rap Proposal	X Governor's Emergency Fund, Passed, Arizona House, Maricopa County, Stan Turley, Mesa, Arizona, Joint House-Senate Conference Committee, Damaged, Recent Flooding
76	February 18, 1966	Flood Meet Slated Here	X County State and Federal representatives, Flood Control Meeting, East Mesa Area Development Association, Maricopa Inn, Col. John Lowry, Maricopa County Flood Control District, Cliff Pugh, U.S. Bureau of Reclamation. Lucien Hill, State Soil Conservation Service, Virgil Crismon, EMADA, Bond Issues, Voters
77	September 14, 1966	Businesses, Too - Flood Loans Sought for Homeowners - SBA Official Views Damage	X 100 Scottsdale Homes, Low-interest Government Disaster Loans, Flood Damage, Harold Schnurer, Small Business Administration, Flood Area, City Manager Bill Donaldson, Serious Damage, Arizona Canal Bank, Break, SBA, Salt River Project, Gap, Pima Road, Plugged, Canal Release Gate, Water, Flow, Indian Bend Wash, Heavy Rain, Spilled Canal Water, Granite Reef and Jackrabbit Roads, 70th Street and Pinchot, 68th Street, McDowell, 70th and 72nd Streets, Scottsdale Road, Camelback, Vista del Camino, Extensive Damage, Safari Hotel, Gail Scott, Public and Parochial Schools Closed, Streets and Intersections, Closed, Damaged, Rushing Water, Refuse Collection, Children's Library, Chaparral Road, Rebuilt, Minor Repair Work, Coronado Park, Wash, Flood Workers, Sandbags, Public Works Director Marc Stragier
80	September 12, 1970	Memo to File - September 5, 1970 Storm Report	X September 5, 1970, Heavy Storms, Valley, Large Flows, East Bell Road, Overland Sheet Flow, 7th Avenue, Thunderbird, Drainage, Moon Valley, Culverts, Full, 59th Avenue to Black Canyon Freeway, Cave Creek Dam, Lee Ohsiek, Peoria Avenue, Arizona Canal Broke, 10th Avenue, Ditches and Fields, Washed Out, 51st and Dunlap Avenue, New River at Glendale Avenue, Northern Avenue at New River, Maryvale at Sunset Drive, 63rd Avenue, Grand Canal, Water in Homes, Salt River at 24th Street, Arizona Canal, 19th Avenue and Hatcher Road, Cave Creek Spillway, 23rd Avenue, Indian Bend Wash, Pima Road, 86th Street, Scottsdale, Marc Stragier, Public Works Director, Walter Raketich, U.S. Army Corps of Engineers, Canal Break, Piping, Footing, Walk Bridge, Not Adequate, Breached, Rose Lane, Granite Reef Road, Highland Avenue, Debris, 87th Street, McDowell, Homes Flooded, Cross Cut Canal, 64th Street, Lafayette and 68th Street, Damage, Ford Dealership, Camelback Mall, Safari Hotel, Chaparral Road, Public Utilities, Eldorado Park Oak Street, Gold Courses, Villa Monterey, Coronado, Pitch and Putt, Thomas, Agua Fria, Indian School Road, Road Washed Out
81	November 2, 1983	Public Structures Incurred Damages Totaling \$686,000	X Damage, Public Structures, Maricopa County, County Flood-control Officials, County Highway Project, Riverbed Crossings, Washed Out, Dave Johnson, Chief Hydrologist, Flood Control District, City of Phoenix, Damages, Salt River Bed, Perryville Bank Stabilization Project, Southwest Valley, Floodwaters, Mesa, Citizens Flood Control Advisory Board, Repairing, McMicken Dam, Northwest Valley, Protect, Far-west Communities, Luke Air Force Base, Breached, Might Fail, Catastrophic Damage, River Flows
82	July 26, 1984	County Aids Victims of Flooded Homes	X Maricopa County, Aid Victims, Flooding, Subdivision, Mesa, Supervisor Tom Freestone, Finger Pointing, Server Thunderstorms, As Much as 4 Inches Rain, July 17, East Valley, Government Officials, Heavy Rainfall, Two Federal Construction Projects, County Road Construction, Blocked Drainage Easements, Roy Bluhm, Civil Defense and Emergency Services Department, Central Arizona Project, U.S. Bureau of Reclamation, Ball, Ball and Brosamer, Signal Butte Floodway, Direct Floodwater, Washed, Spook Hill Dam, U.S. Soil Conservation Service, Flood Control District of Maricopa County, Floodway, Blocked, CAP Canal, Drainage Ditch, Overflowed, University, Power Road, State Game and Fish Department, American Red Cross, Federal Funding, Claims, Frank Russo, County Highway Department, State Department of Transportation, Clearing, Grading Area Roads, Salt River, Rainfall
83	January 17, 1985	U.S. Relents, Orders Help for Rain-plagued Counties	X President Reagan, Major Disaster, Arizona, Recovery Assistance, Tropical Rainstorms, July, Federal Emergency Management Agency, Maricopa, Mohave, Yuma Counties, Aug. 18, Gov. Bruce Babbitt, Monsoonlike Rainstorms, FEMA Director Louis Guiffrida, Repairing, Replacing Damaged Roads, Bridges, Public Buildings, Flood-control Facilities, Small Business Administration, Rebuild Homes, Farms, Businesses, Heavy Rains, 3-month Period, Beginning July 22, Red Cross, Central Arizona Project, Bob Blair, Tom Hamner

0	Year	Title of Newspaper Article	X Key Words
78	Undated 01, 19??	Floods Topic of Speaker	X James E. Goddard, Tennessee Valley Authority, Speak, City and County Officials, Flood Problems, David F. Mullins, Flood Control and Prevention, Maricopa County, Valley Mayors, Citizens for Flood Control Advisory Board, 1957-58 Flood Protection Improvement Committee, John Lowry Flood Control Engineer
79	Undated 01, 19??	Rain Damage is Estimated at \$10,000	X Mesa, Storm Flood Damage, Highway 60-70-80-89, Homer K. Richards, District Engineer, Arizona Highway Department, Water Overflowed, Eastern Auxiliary Canal, Washed Out Ditches, Culverts, Under Roads, Underground Fault, Crevice, Crack, Highway 60-70, Bush Highway

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Babies Swept Away

Flood Survivors Shocked, Grieving

Two grieving mothers yesterday recounted how their babies were swept to their deaths in the swirling flood waters of Thursday's storm.

Others told of close brushes with death as they were trapped by cascading waters of flash floods near Phoenix.

Officers late yesterday sought the body of 4-week-old Shannon Lee Mears, daughter of Mr. and Mrs. Francis Lee Mears of Tucson. The baby perished when swept out of her mother's arms by floodwaters which engulfed a car on Apache trail.

Mrs. Mears said she and her husband were driving east when a wall of water came tumbling down Davis Wash engulfing their car.

She said she was waist deep in sand "and my baby was washed out of my hands."

The sobbing mother told how she and her husband spent the night in a patrol car praying that by some miracle the infant would be found alive.

THE FRANTIC couple watched as other motorists used flashlights in a search for the baby.

Sheriff's Deputy Bob Smith was stranded between two deep running washes with his patrol car yesterday as he continued the search for the infant's body.

Smith said he believes the body had been either buried in sand or swept into deep waters of Apache Lake.

Mrs. Theresa Eldridge told how her 2-year-old daughter, Maude, met death in the rampaging waters. Mrs. Eldridge, caretaker of Dr. Dwight G. Hudson's Quarter Circle One Ranch near Cavecreek, was driving on Grapevine Road headed for Cavecreek when her pickup truck was engulfed.

Mrs. Eldridge, a widow, was going to pick up two of her other children, Alice, 7, and Ronnie, 8, from school. Also with her was Patty, 5.

MRS. ELDRIGE said as the water rushed into the truck she put her two children in the bed of the pickup. As the water rose higher, she said, she tried to throw her daughters to high ground.

She said Patty understood what she was trying to do and landed in shallow water where, although carried downstream by the torrent, she was able to make it to high ground.

"Maud didn't understand what I was trying to do," the mother said. "She clutched at me as I tried to toss her to the bank."

The 2-year-old girl was swept downstream more than a mile where the body was found wedged in the branches of a tamarisk tree.

A Minneapolis, Minn., couple was recovering at St. Joseph's Hospital yesterday after a close brush with death in another flooding stream in the Cave Creek area.

Mr. and Mrs. Earl Jaul agreed it was a miracle that they escaped waters which engulfed their car as they traveled on a sight-seeing tour.

THEY WERE driving toward

Seven Springs north of here when they were trapped by rushing flood waters.

Jaul, 59, chauffeur for a millionaire contractor in Minneapolis, and his wife, Alvina, 55, were rescued by hunters as they floundered in the dark, waist-deep waters. The hunters, Thomas and William Bradley and Brien Butler, threw a rope to the couple as the tons of water swept them downstream. They finally were pulled from the water and taken to a nearby ranger station. Rangers brought them to the hospital yesterday.

Jaul said he thought the "end had come for both of us" when the rope slipped from his hands and he plunged downstream.

"I thought my wife was gone but she managed to hang onto the rope and was pulled to dry land," he said. "I almost choked to death in the water before I grabbed a tree and held on until they could get the rope to me."

AIRMAN PAUL E. Roberts, 27, of Luke Air Force Base, said "I almost froze to death" as he stood atop his water-engulfed car for 3½ hours on Van Buren at the Aqua Fria crossing.

Roberts was taken to St. Joseph's Hospital to recover from his ordeal after being rescued by horse-riding Truman McDaniel, 48, rancher of 75th Avenue near Indian School Road. Roberts was en route to the base when his car was washed off the road by a flash flood shortly after midnight. He was rescued after 3:30 a.m.

At least 25 other persons were plunged into flood water as their cars were swept from roads.

Sheriff's Capt. Robert Heck said yesterday that all but two of the persons had been accounted for and are safe. Deputies last night sought bodies of two men believed lost in washes in the Glendale area.

\$110,000 Repair Bill Due In Valley Storm Aftermath

Tuesday, December 29, 1959

The Arizona Republic



Page 15



down. The ex has gone

He said churchholes in city arterial and residential streets should be completely filled on a temporary basis by the end of the week.

However, Nelson reported it will take at least four weeks before permanent street repairs can be accomplished. Meanwhile, he urged motorists to drive slower to avoid damage to their cars.

Not included in the damage estimates were the thousands of dollars which city police said it cost them to pull out motorists who became stranded in flooded streets after they ignored barricade signs.

Captain Paul Blubaum said he and the city engineering department have started planning a new type barricade, consisting of permanent poles, cable, and warning signs. He estimated they will cost about \$500 each.

GOES DEEP — Mrs. Thomas Edmondson, 3943 E. Whitton, uses ruler to show depth of rut at corner of Whitton and 40th Street. Level of water is 5 inches, which is about 3 inches below pavement level. Recent rains have contributed to the deepening of many such chuckholes — (Republic Photo, Willis Peterson)

County, City Roads Torn Up

By JACK CROWE

IT WILL cost the city and county an estimated \$110,000 to repair street and highway damages caused by 1.3 inches of Christmas rains.

Fred Glendening, county engineer, reported yesterday that Thursday and Friday's downpours will cost Maricopa County about \$100,000.

Ervin E. Nelson, city supervisor of street maintenance, said the City of Phoenix has suffered a \$10,000 loss.

"The worst damage that's ever been done," commented Nelson, who added city work crews still were trying to fix damage caused by a storm in early December when the new rains hit.

Nelson was referring to 1.8 inches of rain which hit the Valley in storms Dec. 9-13. That total and last week's deluge amounts to more than 3 inches of rain so far this month.

Hardest hit by the storm were streets spanning the normally dry Salt River channel. As of yesterday Scottsdale Road, 40th Street, and 48th Street still were among main north-south arterials which remained closed because of wash-outs.

TO HELP alleviate that problem, James G. Hart, chairman of the Maricopa County Board of Supervisors, proposed construction of \$1 million bridges at the Scottsdale Road and Seventh Street crossings.

Biggest damage in the city was at the 40th and 44th Street crossings. In the county, the bridge abutment over Sycamore Creek on the Phoenix - Payson Beeline Highway was partly destroyed.

Nelson said he hoped both the 40th and 44th Street crossings will be made passable in the next few days after the water has



Boats and buses competed on Phoenix streets early today. Manning the boat are Airman I.C. Bob Shane, 21, of Luke Air Force Base, and Susan Kay, 21, of Phoenix.



Bloated Grand Canal burst over banks just southwest of Indian School and rolled into nearby yards on Sunset Drive. Fences were among the casualties along the way and scores of homes were inundated. Massive clean-up job was under way today. Weatherman was predicting more of same.

Rare Sights In The Valley

Gazette staff photos by Roy Reynolds and Dick Thomas



Home of Mrs. Larry Bauer, 6343 W. Sunset Drive, was flooded and family spent night in camper that was just about floor-board deep in water. Floodwaters were waist deep in most of the area.



Semi-tractor driven and owned by George Looney (right) hit washout in front of 4111 N. 35th Ave., and was buried axle deep. Vehicle was loaded with bird seed. Several vehicles were stranded in the deep water.



Bill Thompson, attendant at Maryvale Chevron station, 51st Avenue and Indian School, was open for business as usual today, but ankle-deep water kept motorists away. Water flooded hundreds of homes and places of businesses, mostly in the northwest and western sections of Valley.



Mrs. James Masters, 4801 N. 71st Ave., and daughter, Lily Pauline, 11 months, inspect neighborhood flood damage. Picture was taken on 71st Avenue and Mariposa.

Phoenix Gazette 8-19-63

30 Flooded-Out Families Ask Assistance From Red Cross

Thirty families affected by the flood in northwest Phoenix and a part of Glendale last Saturday have registered for Red Cross assistance.

Don Heiple, Maricopa County Chapter chairman, said a survey indicated 400 families were affected by the flood.

HE ADDED that those who wish to assist the victims may send a donation to the Red

Cross at 329 N. Third Ave.

Routine precautions are being taken by the county health department to guard against any disease outbreak in the flood area.

JOSEPH J. Weinstein, head of the department's environmental health division, said spot checks were being made of water and commercially distributed food items in areas

where flood waters reached depths up to five feet.

Chemicals are being sprayed in flooded areas to curtail mosquito breeding.

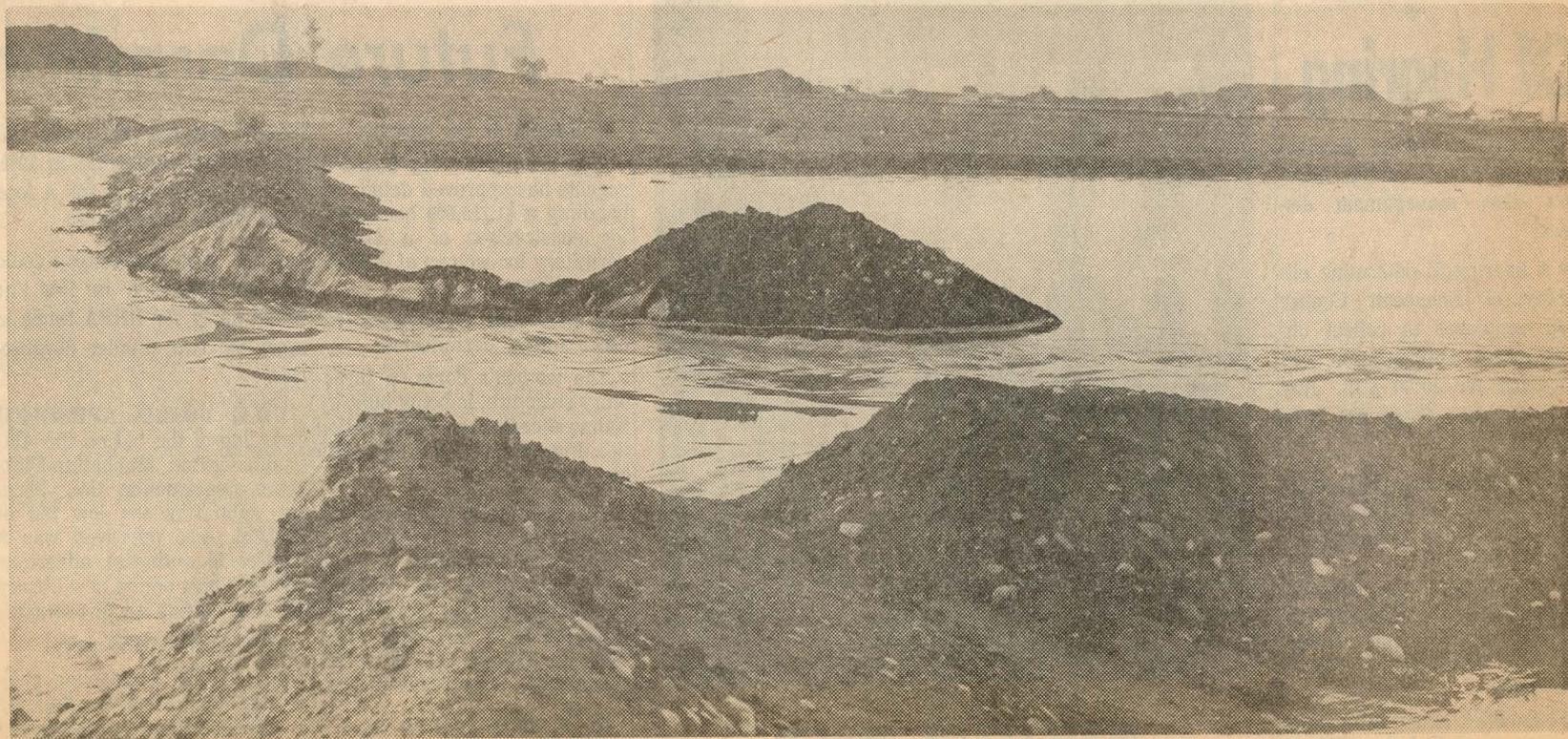
"The health department's activities represent standard operating procedure executed after the occurrence of a flood or other disaster," Weinstein said. "We have found no indication of any disease threat."

Phoenix Gazette

7-15-64

VALLEY
NEWS

Section Two, Pages 17 to 30



Gazette Staff Photo

SALT RIVER DIKE WASHED OUT BY STORM WATER

Heavy rain early today forced Salt River Project to release water from Arizona Canal into cross cut canals and into usually dry Salt River. Dirt dike (above) about 100 yards east of 40th Street, collapsed. Water was released to ease pressure on irrigation system, flooded streets.

HEAVY STORM DAMAGE

Wickenburg Sun
7-16-64

Once again a substantial segment of Wickenburg has suffered damage running into the thousands of dollars thanks to the ruthless indifference of County Supervisor Ruth O'Neil and the Court House gang with which she has surrounded herself in regal majesty.

On November 22 of last year—the day President Kennedy was assassinated—Mrs O'Neil and satellites from Phoenix sat around the luncheon table at Remuda Ranch and assured a group of representative Wickenburg business leaders that something would be done to prevent the disastrous floods on Powder House Wash which, almost annually, sweep down to create havoc in the Constellation Road area of East Wickenburg.

But it was only talk. Nothing was done.

Tuesday night Powder House Wash went on another of its disastrous rampages during a storm which brought 1.3 inches of rain to this area in two hours.

Desert Cypress Trailer Ranch suffered damage estimated in the thousands by Mrs Herb Cameron, who with her husband own and operate the popular home of so many trailerites. Herb Cameron has fought desperately for control of Powder House Wash but has inevitably run up against the stone wall of bureaucratic indifference and the machinations of petty politicians. Tuesday night Herb Cameron once again watched, helplessly, as a wall of water swept into his beautiful, well kept trailer court, spreading destruction before it and leaving havoc in its wake. Towards dawn he retired to his home and this newspaper refrained from awakening him for a statement as we went to press.

Across the street from the Desert Cypress the



SUNpix by David Friece

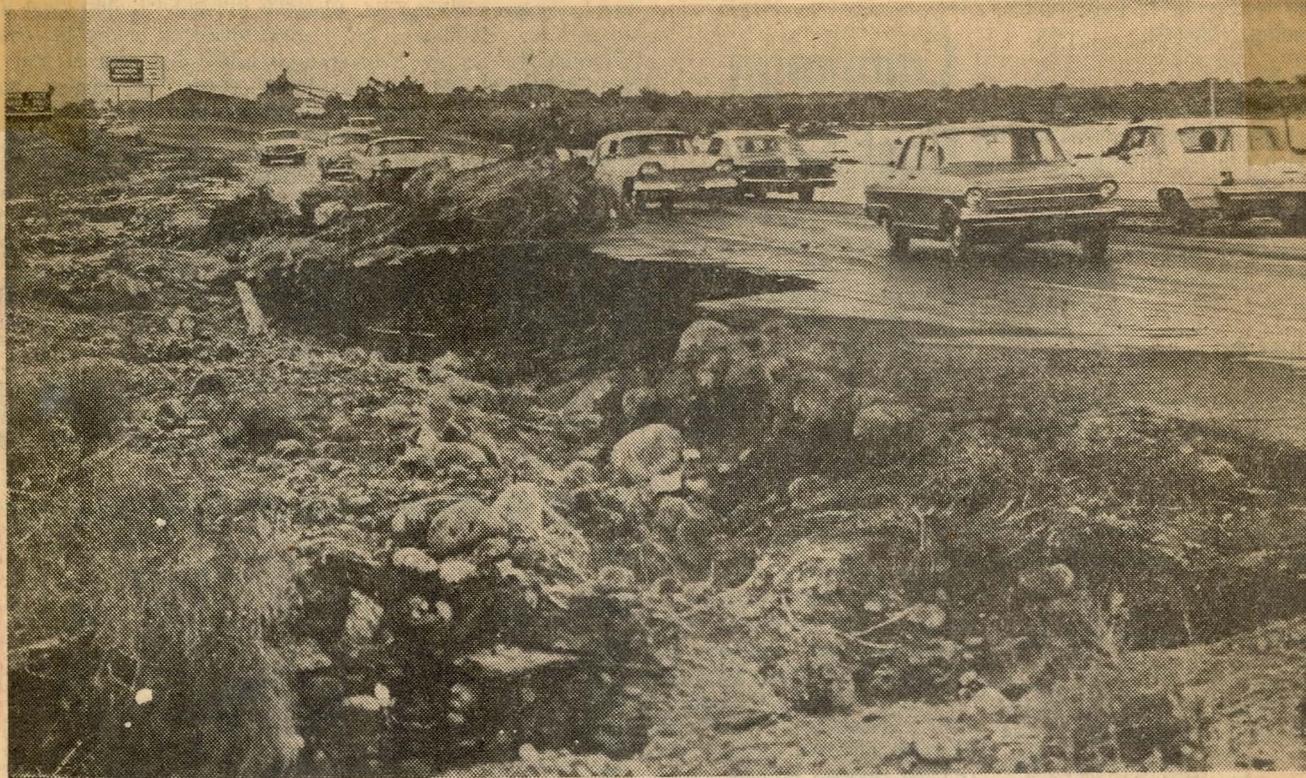
home of Mr & Mrs C. E. Philbeck may be almost a total loss. Six feet of water swept through the house and carport. Undermined, the roof of the latter fell on the Philbeck's new Pontiac as pictured here. Mr Philbeck is in ill health.

The storm waters rushed into the Stagecoach Motel almost inundating the automobile of Jean Miller parked there. Damage at that motel will be heavy also.

City workers, including peace officers, who rushed to the scene, carried a number of families from their homes.

Junior Hershkowitz with grader started working on Constellation Road before the rain quit and was at it bright and early Wednesday morning.

Town Manager Reuben Stifel said there was some damage west of the Hassayampa



Gazette Staff Photo

Photo shows washed out roadway in flooded Salt River at unbridged Country Club Drive crossing north of Mesa.

Rains May Continue This Week

Arizona stands a good chance of getting more rain during the next five days.

While the shower activity will be moderate and scattered, it will increase to locally heavy in the mountain areas.

TEMPERATURES are expected to remain somewhat below normal. A low of 74 and a high of 93 were forecast for tomorrow in Phoenix. Records for the date are 68 in 1950, 1956 and 1962, and 113 in 1944.

Trouble for some, a blessing for many, the rain during the past five days has officially measured .74 of an inch in Phoenix.

The measurement, taken at Sky Harbor, brought the city's 1964 total to 1.79 inches—almost one-half the normal precipitation for the 216-day period.

Other rainfall figures for August up to 8 a.m. today include: Carefree, .66; Flagstaff, .65; Gila Bend, .39; Maverick, .95; McNary, .31; Payson, 1.97; Prescott Airport, 1.26; Tucson Airport, 2.32; Yuma, .50; Springerville, 1.56; Bartlett Dam, 2.15; Granite Reef, 2.20; Diamond Point near Payson, 1.51; Horseshoe Dam, .54; Mormon Flat Dam, 1.49; Roosevelt, .79, and Stewart Mountain Dam, 1.97.

Yesterday's Phoenix high was only 81—the lowest maximum since a 76 on May 8 and a new record low maximum for the date. The previous record was 85 in 1943.

It was one of those rare days when the range in the relative humidity exceeded the range in the temperature. While the temperature ranged between 70 and 81, the relative humidity range was from 77 to 97 per cent.

RAIN WAS reported in the Turn to ●RAIN on Page 4

● RAIN

Concluded From Page One

Grand Canyon-Page area and east of Blythe this morning. The weatherman said there was considerable moisture in the air over the state.

More than an inch of rain fell in the Buckeye area yesterday. Some 63 persons were airlifted by helicopter after they became stranded in water-swollen areas.

RAIN measurements have included: Superior, .18 yesterday and .21 for the weekend; 1.22 in four days ending Saturday; Gila Bend, .03 yesterday; Prescott, 1.08 yesterday; Carefree, .03 yesterday and Springerville, 1.19 yesterday.

Phoenix police have closed the unbridged 40th and 48th streets crossings at the Salt River, while the sheriff's office reported the following are closed at Agua Fria River crossings—Olive, Peoria, Indian School Road, Northern Avenue, Van Buren, McDowell and Thomas. Roads are also closed to Bartlett Dam and Lake Pleasant.

The highway patrol reported State Route 93 was closed from Congress Junction to Kingman because of flooding.

LOUIS R. Jurwitz, meteorologist in charge, said July's average daily mean temperature in Phoenix was 90.6 degrees—just .8 degrees above normal. The average daily maximum was 104.1 and the average daily minimum was 77.

July's rainfall, .60 of an inch, was .17 below normal. The city got 82 per cent of the possible sunshine. There were 11 clear days, 12 partly cloudy days and 8 cloudy days.

Phoenix Gazette 8-3-64

Salt And Verde Reservoirs Gain From Heavy Rain

Reservoirs on the Salt and Verde rivers had gained 14,000 acre-feet of stored water from the heavy weekend rains on watershed around them and the runoff to the lakes continued.

Watersheds at middle and lower elevations still were thirsty. The dry soil took up much of the moisture, which with warm days meaning of the hills. Seepage from these lands will continue to feed water to the lakes for days, enliven springs and broad-

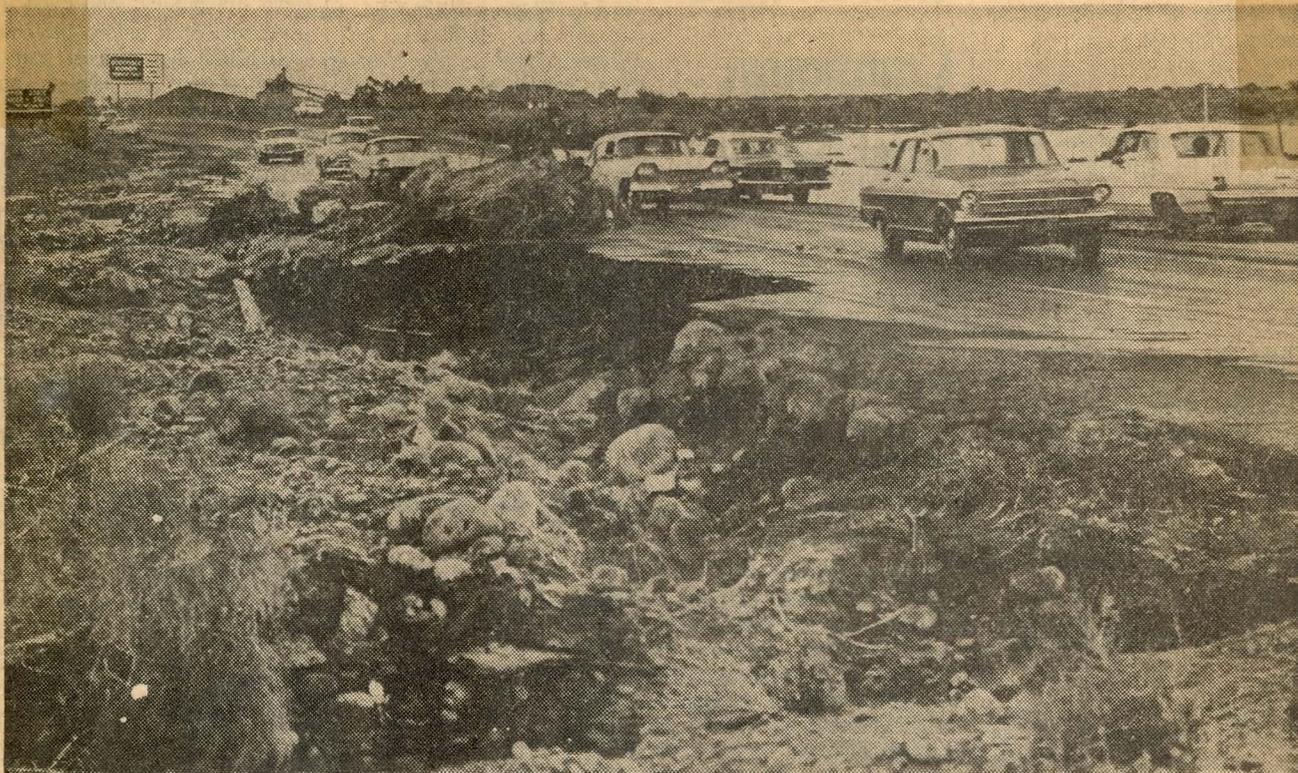
en the use of range feed by livestock and wildlife.

Lake Pleasant on the Agua Fria river, northwest of Phoenix, had a good gain from the heavy rains on its watersheds. Storage increased 4,000 acre-feet to a total of 14,789, during the weekend.

THE SALT River's peak flow of Saturday night was 2,000 second-feet and the Verde was flowing at 1,300 Sunday night, at its peak. Tonto Creek was at 700 second-feet at the peak of its flow from the storm. The Salt and Verde flow was off, but slightly today after good rains on portions of the watersheds again yesterday, but the Tonto's was down to about half its peak.

While Salt River Project officials did not term any of the streams in flood stage above the reservoirs, the heavy inflow from the rains was a welcome addition, since irrigation and other demands have been drawing down storage.

RAINS BELOW the watershed that feeds the Salt and Verde lakes also was heavy, Carefree reporting 2.71 inches for the last three days.



Gazette Staff Photo

Photo shows washed out roadway in flooded Salt River at unbridged Country Club Drive crossing north of Mesa.

Phoenix Gazette 8-3-64

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The measurement, taken at Sky Harbor, brought the city's 1964 total to 1.79 inches—almost one-half the normal precipitation for the 216-day period.

Other rainfall figures for August up to 8 a.m. today include: Carefree, .66; Flagstaff, .65; Gila Bend, .39; Maverick, .95; McNary, .31; Payson, 1.97; Prescott Airport, 1.26; Tucson Airport, 2.32; Yuma, .50; Springerville, 1.56; Bartlett Dam, 2.15; Granite Reef, 2.20; Diamond Point near Payson, 1.51; Horseshoe Dam, .54; Mormon Flat Dam, 1.49; Roosevelt, .79, and Stewart Mountain Dam, 1.97.

Yesterday's Phoenix high was only 81—the lowest maximum since a 76 on May 8 and a new record low maximum for the date. The previous record was 85 in 1943.

It was one of those rare days when the range in the relative humidity exceeded the range in the temperature. While the temperature ranged between 70 and 81, the relative humidity range was from 77 to 97 per cent.

RAIN WAS reported in the
Turn to ●RAIN on Page 4

BOX SCORE ON CRIME IN PHOENIX

During the 48-hour period ending at 10 a.m. today, Phoenix police received 865 calls. There were 93 accidents, 18 involving injuries.

Major crime box score:

- 55 burglaries.
- 12 grand thefts.
- 11 assaults.
- 4 robberies.
- 2 rapes.

Salt And Verde Reservoirs Gain From Heavy Rain

Reservoirs on the Salt and Verde rivers had gained 14,000 acre-feet of stored water from the heavy weekend rains on watershed around them and the runoff to the lakes continued.

Watersheds at middle and lower elevations still were thirsty. The dry soil took up much of the moisture, which with warm days and nights will mean quick greening of the hills. Seepage from these lands will continue to feed water to the lakes for days, enliven springs and broad-

en the use of range feed by livestock and wildlife.

Lake Pleasant on the Agua Fria river, northwest of Phoenix, had a good gain from the heavy rains on its watersheds. Storage increased 4,000 acre-feet to a total of 14,789, during the weekend.

THE SALT River's peak flow of Saturday night was 2,000 second-feet and the Verde was flowing at 1,300 Sunday night, at its peak. Tonto Creek was at 700 second-feet at the peak of its flow from the storm. The Salt and Verde flow was off but slightly today after good rains on portions of the watersheds again yesterday, but the Tonto's was down to about half its peak.

While Salt River Project officials did not term any of the streams in flood stage above the reservoirs, the heavy inflow from the rains was a welcome addition, since irrigation and other demands have been drawing down storage.

RAINS BELOW the watershed that feeds the Salt and Verde lakes also was heavy, Carefree reporting 2.71 inches for the last three days.

Arizona Republic 8-14-64



Republic Photo by Harrison Brown

TEMPE FLOODED—This was the scene at 9:30 p.m. yesterday in the center of downtown Tempe at Fifth Street and Mill. Water running at least 2

feet deep overflowed the east side of Mill at several points and flooded dozens of store buildings. Several residential areas were flooded.

Rainstorms Strike Valley; Governor Surveys Winslow

HEAVY RAINS caused flooding and power failures throughout the Valley last night.

The storm ripped through the Valley starting about 7 p.m. with high winds and a spectacular lightning display.

Winds which reached 50 mph velocity tore down trees and power lines. Water climbed over curbs on many streets, halting traffic and flooding dozens of stores in downtown Tempe.

HOMEOWNERS reported damage from wind and rain.

The rain came on the heels of a storm Wednesday which brought flood conditions to Winslow and drenched most other Arizona cities.

Gov. Fannin announced yesterday that he would fly to Winslow and Eloy to survey flood damage caused by the Wednesday rains.

Last night's storm hit hardest at Glendale, Scottsdale, Mesa and Tempe.

Streets throughout the Valley were covered with water. Scottsdale Road was washed out by rains in the area of JD's Restaurant near Tempe.

Bad flooding was reported on Hayden Road at the Salt River between Scottsdale and Tempe, and at Country Club Drive in Mesa.

However, the Arizona Highway Patrol reported all major highways were passable.

Water was 3 feet deep along

Mill Avenue in downtown Tempe. Runoff from the streets seeped into stores fronting the street.

RESIDENTIAL areas in all parts of Tempe were reported inundated, especially southern and eastern areas of the city. The Southern Pacific Railroad underpass on Mill Avenue was closed by flooding.

The storm also ripped shingles from the Hayden Flour Mill and hurled some large signs into the street. Traffic was snarled.

Winds tore the roof from Crosby Lumber Co. at 325

Farmer Ave. in Tempe and blew it onto an adjacent house. No one was injured.

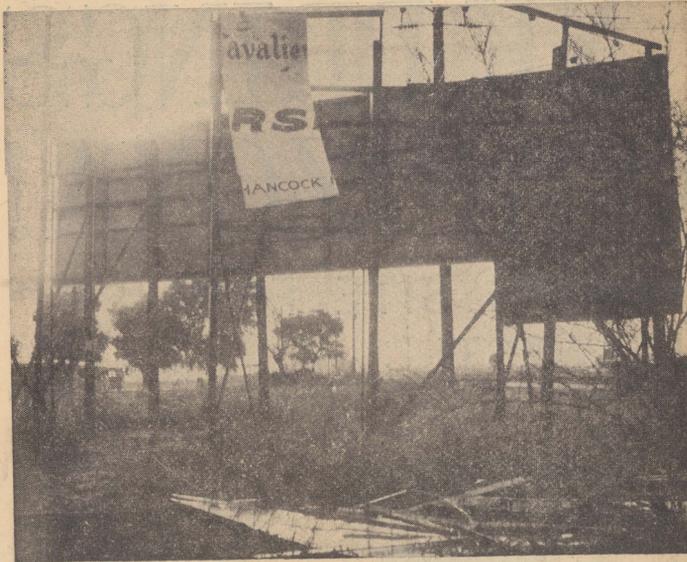
Residents of trailer courts in Scottsdale and Mesa said high winds upset several mobile homes.

Power was disrupted in large areas of the Valley.

Twelve power circuits of the Salt River Project were knocked out in Mesa and Scottsdale. Winds toppled seven power poles southeast of Tempe, cutting lights temporarily.

Parts of Glendale and north

(Continued on Page 17, Col. 3)



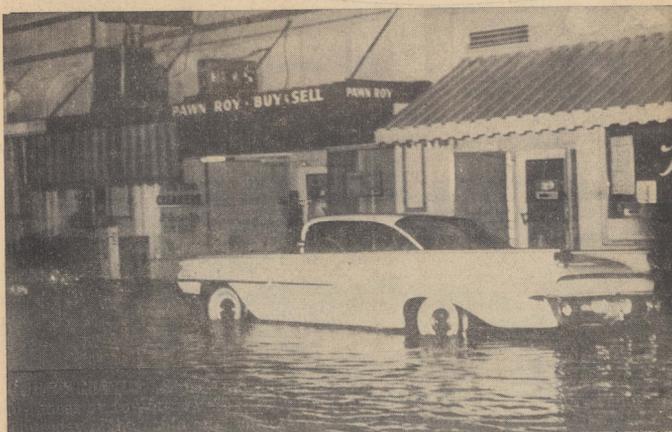
THE WIND SHE BLEW! — Only remnants of one half of a large double billboard on Southern avenue near Rural road are all that is left after winds clocked at Sky Harbor at 46 miles per hour ripped across Tempe around 7:30 p.m. yesterday. Smaller signs were wrecked and flattened all over the Tempe area.



TIRED — One of the many trees downed by violent winds in the Tempe area last night quietly crumpled into a front yard on Victory drive, but fortunately did not damage the house. Not far away on Transmission road, a 90-foot eucalyptus fell into a field.



GRAND CANAL — Not in Venice but Tempe at about 8 o'clock last night water reached a depth of eight to 10 inches above the sidewalks at the intersection of Fifth street and Mill avenue. Water flooded the office of Arizona Public Service company through both the corner entrance and the Fifth street door.



CURB SERVICE — Stores and shops in Downtown Tempe, heavily damaged in some instances by run-off waters that swirled into the Fifth street and Mill avenue area Thursday night, could offer curb service from any doorway as water was well over the sidewalk. Some merchants were successful in sandbagging doorways to prevent rush of waters into their stores but many suffered damage both to building and stock.

Businesses Suffer Heavy Damage

Flood water attracted hundreds of sightseers to the downtown Tempe area last (Thursday) night after run-off rains flooded the main city intersection to a depth of 20 inches at the deepest point brought major damage to some businesses.

LeBeau Custom Upholstery on Mill avenue suffered water damage to fabrics and resulted in the spotting of some items of furniture that had been upholstered.

Dick LeBeau and his entire family worked nearly all night to minimize damage and clean up after the waters receded.

Davenport Jewelry in the same area, Shelley's Market and Lorraine's Beauty Shop were all severely damaged by water and owners and some volunteer

aides were all busy sweeping and mopping water from floors.

Cars travelling along flooded streets created vast waves of water that were swept back into the establishments.

In the Palmcroft Manor area, east and south of town, fences and signboards were almost universally damaged by the high winds. Windows in a vacant home were blown in on the north side of a house.

The northwest edge of Hayden Plaza in North Tempe caught run-off water from the surrounding area and today mud is from six to eight inches deep in the parking area.

Grady Gammage Memorial Auditorium stood majestically above a shining lake of water that filled the bowl-shaped parking areas.



HIGH AND DRY — Mardelle Mackey's Volkswagon managed a smirk as it rested high and dry above the flood, neatly parked on the sidewalk in front of Fashion Bootery where Mrs. Mackey is employed. As the reflection on the sidewalk shows, it wasn't that dry all the time however.

Photos by Bob Balko and Katy Worth
Tempe Daily News



TOPPLED PALM — One of the large palm trees in front of the offices of Dr. William G. Payne at 106 West Fifth street snapped midway up its trunk during the windstorm Thursday night and fell across the parking strip into the street.

Rain Brings Laughs As Well As Trouble

The devastating storm, which started with high winds, driving rain, pounding hail and then heavy, steady downpour for three hours Thursday (last) night, brought its share of comic as well as serious moments.

Mrs. E. A. Rowland, who lives in an apartment on Seventh street, got drenched scooping up hailstones, which she put into her food freezer as an Arizona souvenir. She reported that some of them were as big as her little finger.

On Butte avenue where water backed up along the intersection of Don Carlos, Butte and Lemon streets, householders banked earth up in front of their door sills to keep out the swirling flood.

Over on Cedar street, south of Apache, a daredevil motorcycle rider charged full steam ahead into the water — and gurgled to a full stop.

On Williams street, a small boy, oblivious of traffic, was swimming in about a foot of water.

When winds struck the North Tempe area, one man rushed out to get an umbrella from his patio. He lifted the umbrella out of its socket in the table, the wind caught it, opened it up full and it went sailing off down the alleyway.

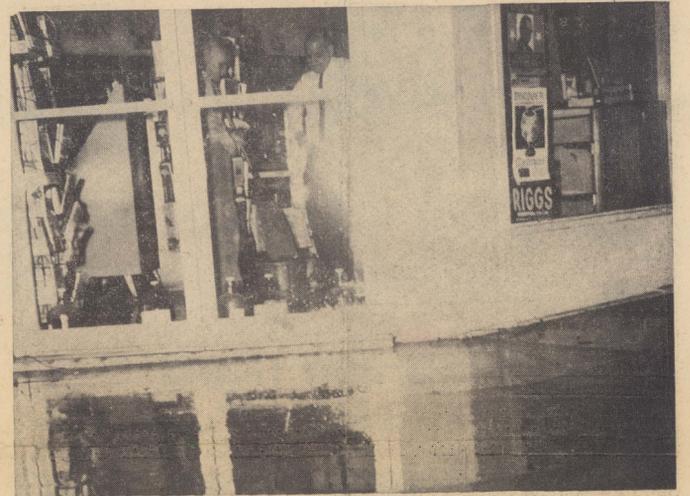
The parking lot at Tempe High school was flooded while youngsters attended a Teen Canteen party were watching a movie in the gym. When the show was over, the audience rushed out — into some three inches of water.

Flooded streets provided an irresistible lure for boys on bicycles, who rode happily through warm puddles until far into the night.

On the outskirts of town, run-off waters stranded four horses on a tiny island in the center of a pasture.



INDOOR POOL — Mrs. Allan Caraway, 1326 Cedar street, surveys flooded den by candlelight after back-up of water from street entered home not only filling den but swirling over all carpets in the living room. Family, whose daughter is to be married tomorrow, had spread wedding presents out on den floor. When they returned everything was afloat.



WATCHFUL WAITING — Claude Laird of Laird Drug store at Fifth and Mill watches as flood waters seep in through the front door. Water advanced to a depth of about an inch over the front section of the store reaching nearly to the fountain, however, strange to relate, the basement remained entirely dry and Laird reported no loss of stock.

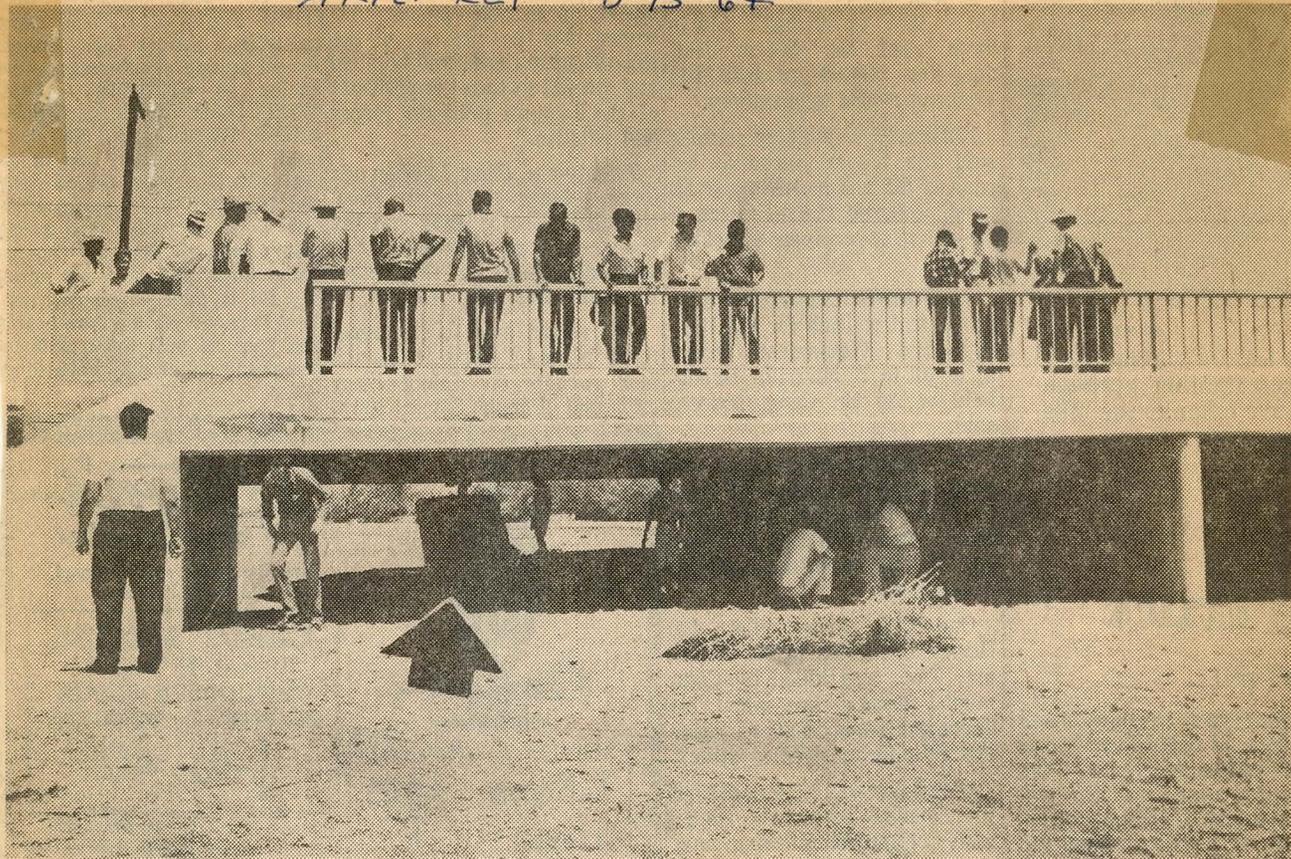


SIGHTSEERS — Even the family dog turned out Thursday night to inspect results of the storm in downtown Tempe. Depth of water in front of the Arizona Public Service was too great for the pup without an assist from his master. All over town sightseers caused traffic confusion and in several instances "conked out" their cars and motorcycles trying to ford the flooding areas.



LIQUID REFRESHMENT — Water surrounded the entrance to the Hayden Plaza Liquor Store at the height of the flooding rains Thursday night. Only the south portion of the Plaza area was flooded. Scottsdale road just south of Curry road however, was closed by floodwater cutting through the road.

ARIZ. REP. 8-15-64



Republic Photo by Forrest Stroup

NONSUPPORT—Arrow points to remains of concrete support which held up this section of bridge

on U.S. 80 at Gila Bend. (Additional storm pictures on Page 14.)

Lakes Rising

Rainswept Areas Begin Drying Out

ARIZONA began drying out yesterday after two days of heavy rain which cheered cattle ranchers but flooded out businessmen and homeowners in several cities.

While storm victims began mopping up, the Weather Bureau issued a forecast for a generally dry weekend across the state.

The storms flattened some cotton fields, raised storage levels throughout the state, caused some slight damage to the hay crop, and washed out roads from Winslow to Gila Bend.

Aftermath of the rain found Winslow residents beginning to move back into homes they were forced to evacuate Wed-

nesday night after a storm flooded the city.

IN TEMPE, store owners on the east side of Mill Avenue began sweeping mud and water from their shops, and complaining that police failed Thursday night to seal off the street to mud-spattering cars and trucks.

To the south, the Arizona Highway Patrol reported that traffic was moving slowly on U.S. 80 around a partly washed-out bridge east of Gila Bend.

CREWS were working to open the highway to two-way traffic last night.

Some Tempe merchants along Mill (also a transcontinental route) protested because police did not stop traffic from sending waves of mud and water into their stores, and also said that the town's fire department failed to help pump water from stores.

Police said the route was left open because it was the only road between Phoenix and Tempe not washed out. Broadway was flooded by 2½ feet of water, police said.

All the town's pumps were used to dry streets and other low areas in the town, police said.

The L&S Air Conditioning Co., 410 Mill, reported \$1,000 damage to furnishings and merchandise.

(Continued on Page 8, Col. 1)

Flood Area Visited by Gov. Fannin

By JAMES C. DOOLEY
Republic Staff Writer

WINSLOW—"Something must be done so that Winslow is never flooded like this again," Gov. Fannin declared yesterday.

Fannin toured the flood-stricken city yesterday with Mayor Lester Allen and Vice Mayor James I. Chavez.

The governor said he decided to view the flood-damaged city first-hand after consulting Thursday with Mayor Allen.

Fannin flew to Winslow in an Arizona Highway Department plane after viewing flood damage in Eloy from the air. The governor did not stop in Eloy because he felt the damage was not widespread there.

More than 2 inches of rain fell on Winslow Wednesday night, flooding the south and north sections.

From 75 to 100 homes containing at least 300 persons were seriously damaged. Some of the residents have moved in with relatives and friends while others still are living at home.

"I must confer with all agencies Monday to determine what is being done and what needs to be done to help the city and citizens clean up and rebuild," Fannin said.

"I will gather reports from the city engineer, U.S. Corps of Engineers, civil defense, Red Cross and the Arizona National Guard.

After I have gathered all of the information, I will make a

(Continued on Page 8, Col. 4)

About
More

Fannin Tours Winslow Area



Republic Photo by James C. Dooley

FLOOD CONFERENCE—Gov. Fannin, right, talks with Winslow Mayor Lester Allen, center, and Vice Mayor James I. Chavez about flood damage in Winslow. The city had more than 2 inches of rain Wednesday. Fannin visited the city yesterday.

(Continued from Page 1)

decision on what we can do to help them.”

Mayor Allen and Chavez showed the governor Coopertown, southern section of the city hardest hit by Wednesday's storm.

Water marks 2 to 3 feet high were visible on many houses. Barefoot children played in the mud streets as the governor's highway patrol car drove by.

Adobe walls of homes in the water's path were washed away and fences were torn down.

The governor saw men, women and children trying to sweep water and mud out of their houses. Articles of clothing set out to dry dotted fences and trees about homes of victims.

National Guardsmen still were evacuating families from the low-income Coopertown area late yesterday.

Gov. Fannin visited the home of Joe Miller, a janitor. He saw water puddles still standing in the house and Miller's waterlogged furniture stacked in a corner.

“This has happened before,” Miller told Fannin. “I don't know what I am going to do if it happens again. My house filled up with water and it ruined my new couch.”

“Winslow Plaza, a northside housing development, also was hit pretty hard,” Mayor Allen told Fannin.

“Streets were flooded and water came right up to the doors. When trucks went by on the street they splashed water into the homes.”

“I think one of the most serious problems is making sure insects don't have a chance to breed in the still standing water,” Fannin commented.

“We are going to have to get people in here to spray everything with chemicals to prevent any type of disease starting.

“Some of these people in Winslow have a hard enough time making a living without something like this happening. Winslow has no provision for handling the amount of water which they received.

“It is most certainly a tragic situation to see people moved out of their homes because of a flood,” the governor added.

More About

State Begins Drying Out

(Continued from Page 1)

Eugene MacSpadden, owner of the Tempe Cafe, 420 Mill, claimed \$200 damages.

MERCHANTS were also mopping up at the Trupenny Exchange, 415 Mill, and Ben's Scooter Sales and Service, 405 Mill, which reported 4 inches of water on the floor.

Power was out in at least one section of Tempe's Transmission Terrace Subdivision for 20 hours.

Rural areas of the Valley and state suffered less extensive damage.

Dr. Ivan Shields, Maricopa County agricultural agent, said wind damage had knocked some cotton out, but that damage was slight.

Dr. Shields said the rain also caught some farmers with unbaled, mown hay in the fields. The wet hay may be reduced in price by \$3 or \$4 a ton because of poor quality.

Meanwhile, Bill Davis, execu-

tive secretary of the Arizona Cattle Growers Association, said some stock tanks in the state were filled for the first time in 10 years.

“Ranchers don't ever get enough rain,” Davis said. “They're still saying that all they need is one more.”

Salt River Project officials said their reservoirs now contain 600,043 acre-feet, compared to 570,780 acre-feet on Aug. 1. The capacity of the reservoirs is 2,076,713 acre-feet.

Lake Bartlett, 40 miles north-east of Phoenix, has risen to 47,722 acre feet compared to 28,071 acre-feet on Aug. 1. The Salt River above Roosevelt was flowing yesterday at a rate of 393 second-feet, and the Verde River was flowing at 571 second-feet.

THE STORM that dumped 1.27 inches of rain in Scottsdale and 1.18 in Tempe Thursday night left only .21 of an inch recorded at Sky Harbor.

Only .75 of an inch of rain

has fallen at Sky Harbor this August, bringing the year's total precipitation through Aug. 13 to 2.05. Last year on Aug. 13, Phoenix had 3.22. The normal rainfall by Aug. 13 is 3.95. Other areas of the valley, however, have greater totals.

Elsewhere in the state, rain totals are ahead of last year. Flagstaff Weather Bureau reported 11.02 inches so far this year, compared to 7.84 inches a year ago.

Tucson has received 9.25 inches this year, compared to only 4.51 inches received by Aug. 13 last year. The normal total is 6.31.

WINSLOW had received 5.36 inches through Thursday night, compared to 3.76 inches received by Aug. 13 last year.

Thundershowers fell yesterday at Flagstaff and hailstones pelted fishing boats on Lake Mary, 9 miles east of Flagstaff.

In Phoenix, it is expected to be partly cloudy this afternoon and tonight, with a slight chance of thundershowers in the evening. The high today should be about 100.

8-15-64

Tribune



TENT DESTROYED — Wind destroyed a church tent on W. 4th St. near the Mesa-Tempe canal Thursday night tearing the canvas and twisting the steel structure. The mobile home was also damaged by the storm. Damage reports began mounting into the thousands of dollars last night in Mesa. (Tribfoto)



Republic Photo by Dorila Martins

SCARED STIFF — Mrs. David Reidhead weeps as she clings to her husband wading ashore from stalled pickup in underpass of Santa Fe Railroad in Winslow during cloudburst Wednesday. The pickup was soon pulled to safety, but a passenger car floated in and sank. The water rose to the 14-foot ceiling. **Additional pictures on Page 16.**

ARIZ. REP. 8-14-64

Out of Bed, Landed in Water

★★★



A REAL SHOCKER -- Don McKeown of the district engineering department of the Salt River Project (left) and Pat Sawtelle, senior engineer for SRP, examine the charred remains of substation plant struck by lightning during last night's storm. The resulting fire caused an estimated \$200,000 damage to the plant. It is located at 35th Avenue and Bethany Home. (American Photo by Earl McCartney)

Miss June Tagliaferro, 2423 E. Monroe, doesn't know which way to turn today.

She is still wading around in water four inches deep inside her apartment.

"It's terrible," she said. "There are eight apartments here and all of them suffered a lot of damage." The rain, she said, flooded the entire 2400 block of East Monroe.

"I was lying on the bed," she explained, "and my cat jumped up on me and started meowing. Well, I jumped out of bed and landed in water ankle deep.

"Then I heard this terrific crash and ran to the apartment next door. The roof had caved in," she said.

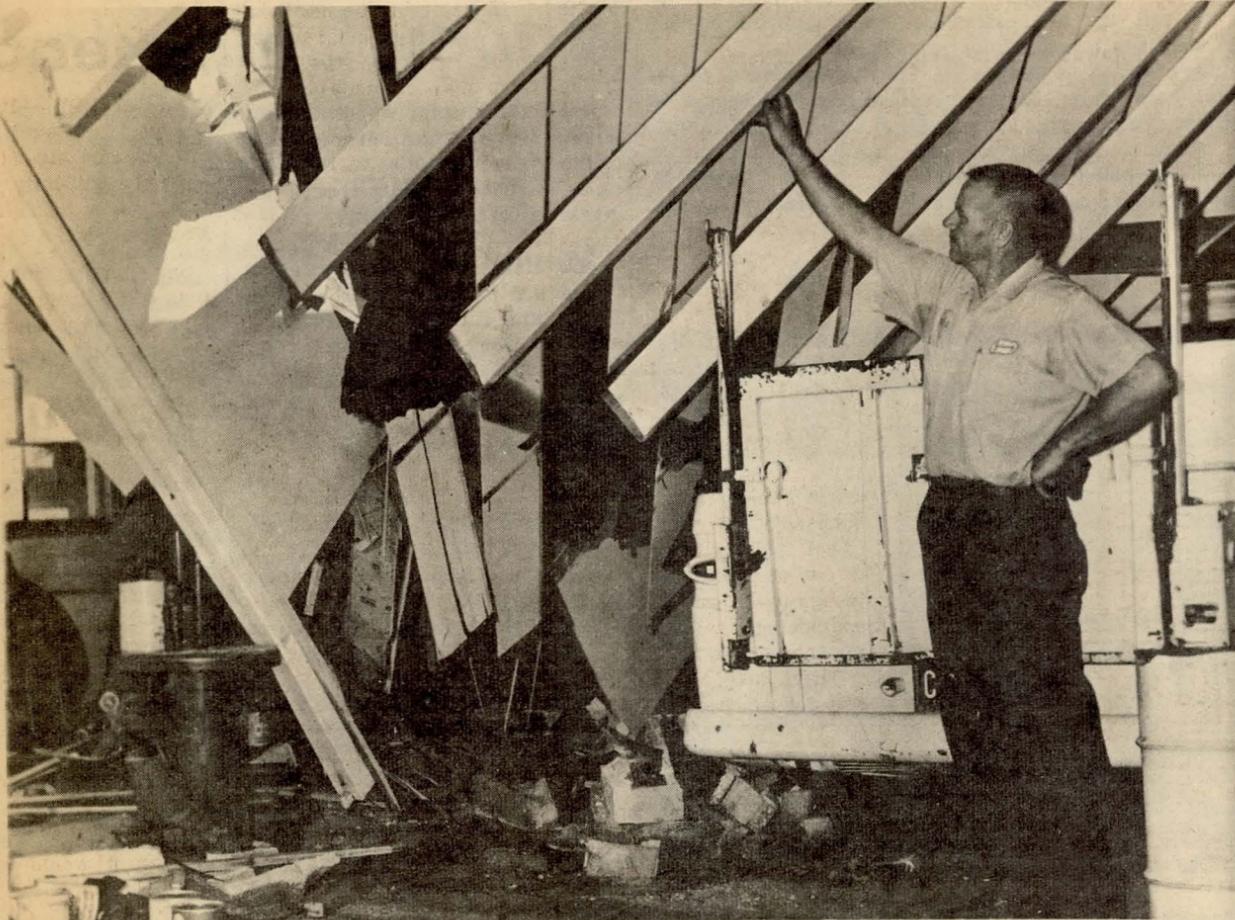
Today Miss Tagliaferro is trying to salvage what she can from her flooded apartment. "I had \$300 worth of radio equipment ruined," she said. She added that she was studying electronics.

"I just don't know which way to turn," she added.

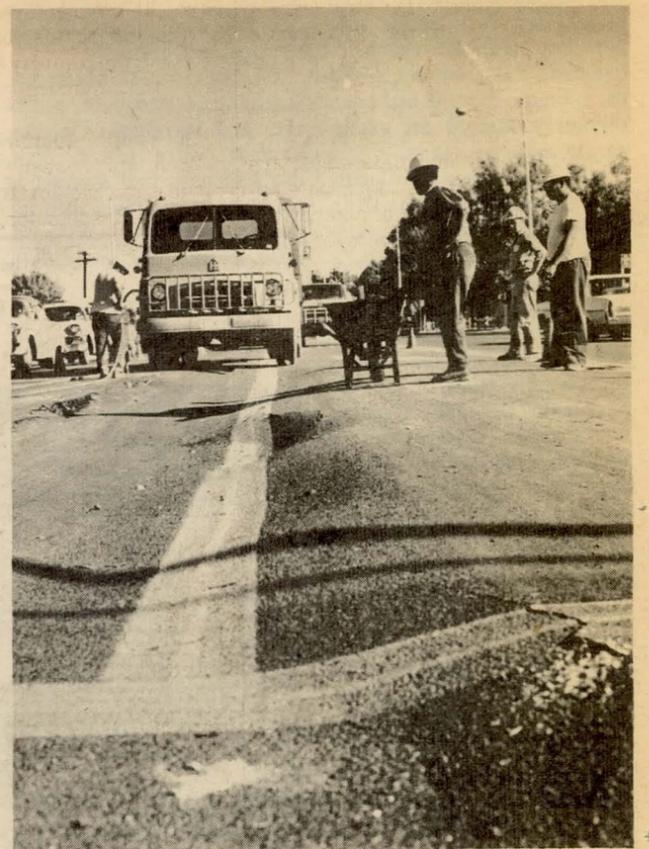
★★★



WHAT A MESS! -- Miss June Tagliaferro, 2423 E. Monroe, examines soggy, waterlogged equipment and carpeting from her apartment. Heavy rain brought nearly a foot of unwelcomed water into her apartment, she said. The radio is part of the equipment she is using to study electronics. She estimated \$300 damage to the radio equipment and \$200 damage to personal belongings. (American Photo by Tom Mitten.)



TOO MUCH WATER -- Accumulated rain water on the roof of a Shell service station at 1501 N. Central proved to be more than the roof could handle. It collapsed, pouring hundreds of gallons of water into the station. LaCoy Johnson, station manager, surveys the damage. (American Photo by Jaime Ontiveros.)



WAVY ROAD -- City of Phoenix street maintenance crews were busy today repairing a 50-yard stretch of 19th Avenue just north of Thomas Road which was undermined by last night's torrential rain storm. Thousands of dollars damage was inflicted on city streets. Nearly two inches of rain caused widespread flooding. (American Photo by Jaime Ontiveros.)

42769

Need For Future Water Plan Is Told At Tempe Conservation Meet

The inhabitants of Arizona are now using twice as much water annually as is being put into the water sources and by the end of the century population is expected to be around seven million persons, requiring a third again as much water.

That was what H. S. Raymond, manager of Maricopa Municipal Water Conservation District No. 1, said in a talk before the Soil Conservation Society in Tempe, Saturday morning.

Raymond said that 6.6 million acre feet of water is now need-

ed annually and of this only 3.6 million acre feet is considered to be a "safe" water harvest. The remaining water is pumped from ground sources and not replaced.

Irrigation use accounts for two-thirds of the total state water consumption, he said, with domestic and municipal use taking only 235,000 acre feet per year compared to 4,700,000 acre feet for irrigation, 50,000 acre feet used by mining operations and the same amount by industry. Livestock operations require another 65,000 acre feet.

Projecting requirements 50 years from now, he said that a projected state population of more than 9½ million by 2020 would use nearly 10-million acre feet of water per year. As a past president and current member of the Central Arizona Project Association board of directors, Raymond said, "We have fought the battle of the Colorado for some forty odd years and are very close to seeing the Central Arizona Project become a reality. We must now commence to work on a plan that will ultimately take care of our water needs in the year 2020 and beyond."

police reported today.

U.S. Puts Phoenix In Disaster Area After Storm

EVENING

AMERICAN

9-21-64

The entire City of Phoenix today was declared a disaster area by the United States Government.

The Small Business Administration said that federal aid, in the form of 3-percent loans, would be available to businesses and private citizens who suffered any loss due to last week's storm.

Alvin Meyers, of Los Angeles, SBA regional director, said that he personally declared this city a disaster area, adding:

"I was stuck in Phoenix the night of that damn storm. When I got back to Los Angeles, I immediately moved to have Phoenix made a disaster area."

Meyers said that applications for the loans can be made at the Phoenix SBA office, 2727 N. Central. Loans will be made for up to 20 years.

Fred Glendenning, Phoenix' director of public works, said the federal aid "doesn't solve any problems at all."

Glendenning said that the loans will only help out those persons who were hurt by the storm, but that "the next time it rains we'll have another flood."

Recently, a \$10 million bond issue was proposed to build a better drainage system for Phoenix, but Glendenning called this "only a start." He said much more money would be needed to do a thorough job. The whole issue of floods and drainage will be brought up tonight at the City Council meeting, he added.

Acting City Manager Char-

les Esser was asked by the Evening American what he thought of living in a disaster area.

"I think it's wonderful," Esser replied. "Now we can all go down and get loans."

"Does this put Phoenix in a class with Nagasaki and Hiroshima?" Esser was asked.

"I suppose it does, in a way," he opined.

Mayor Milton Graham is touring Germany and probably is not aware as yet that he will be coming home to a disaster area.

Most of the storm damage resulted from flooding. Motels were particularly hard hit and a group of motel operators last week went to City Hall and requested assistance of some sort.

HENRICH

Worst In Many Years**Storms Leave Many Areas In Ruin****Destruction Comes From Lashing Rains, Roaring Flood Waters And Pounding Hail**

The cotton pictured above may look as if it had been chemically defoliated and ready for harvest. But a closeup examination will reveal that the "defoliation" — done by a pounding hail storm — took off most of the cotton bolls as well as the leaves. J. H. Sossaman, long-time Queen Creek area farmer, examines damage with son, James, and grandson, Scott, 1½.

THIS HAS been absolutely the worst year for storm damage of cotton and other crops in recent history, if not for all-time. Pounding hail and rain combined with the destruction of rushing flood waters wreaked havoc throughout the state.

Educated guesses on the dollar damage figure range into the millions. Just how bad it has been as far as cotton is concerned will become painfully evident when the final harvest figures begin to filter in to the Federal-State Crop Reporting Service in Phoenix and are compared with pre-storm production estimates.

Despite the severe storms this year, the Reporting Service is predicting a slightly larger crop than 1963 even though it will be coming into the gins later. Total cotton planting as of Sept. 1 was estimated at 375,000 acres of which probably less than 5% suffered any measurable storm damage.

Long-time crop insurance man Don Charles, of Hebbard and Charles, said apparently no area of the state escaped without damage. It was just less severe in some areas than others, he explained. "This has been the worst year for hail damage in the last 15 years and it just might also be the worst in history."

Charles said he has handled claims for adjustments of losses from the Kansas Settlement, south of Willcox, San Simon up to Marana and Red Rock to Peoria and Queen Creek. "These are only a few areas. I know of quite a bit of other damage which was not covered by insurance." Losses in the Peoria area from a hail storm early in August were estimated to exceed \$500,000.

Hail Cuts Wide Path

Probably one of the worst — if not the worst — storms of the season struck the Salt River Valley's east side the night of Sept. 14 with lashing rains

and pounding hail. It left a path about seven miles long varying in width from one-half to three-quarter miles of unbelievable damage just west of Queen Creek. About 2,000 acres of agricultural land was involved and much of this total was in cotton.

Ray Nichols, manager of Western Cotton Products gin at Queen Creek, surveyed the damage and brought back a long list of farmers who had suffered from the hail. Most severely hit were J. H. Sossaman, Jim Hamilton, Jack Harris, Jack Barnes, Dave Shumway and Stan Turley.

The driving hail apparently came out of the desert near Chandler Heights and followed a north-north easterly path through the prime land out into the desert again east of Williams Air Force Base. Damage in many fields was classed as "total." Field after field in the center of the path was left denuded of all foliage, bolls and cotton with just the bare stalks standing. It was not unlike the ravages of a forest fire.

Sossaman was one of the hardest hit. His fields just happened to run in the same general pattern the storm followed. Most of the others were only hit partially, but Sossaman found a good portion of his cotton virtually worthless. He said out of 250 acres affected, he "might be able" to salvage 100 bales from cotton on the ground! He earlier had estimated the yield from these very same fields at 3.5 bales to the acre. Much the same story came from his neighbors.

Mulched Cotton Damaged

Lynn Duncan of Gulf's Spencer Chemical Div. certainly has had a bad year as far as the weather is concerned. A test plot located at Jay Tschudy's farm on West Williams Field Road in the Kyrene district was damaged by a hail storm in early August. His losses were figured at about

60% and data was fouled up there because of that storm. (AFR Sept. 5, 1964)

Sossaman had another of Spencer's plastic mulched plots and this one was right in the line of fire for the Queen Creek storm. A boll count taken just before the storm showed 480,000 bolls to the acre on the average and one picking of about 100,000 bolls to the acre had already yielded 1.5 bales. Tschudy's damage was not so severe that he did not try nitrogen injection for a boost in top crop, but Sossaman told Duncan his "field was really through."

Preliminary reports from Pima and Pinal counties told of bad flooding along the Santa Cruz River as a result of heavy rains which visited normally dry Tucson day-after-day the first part of last month. Flood waters backed up

south of Eloy behind the Green Valley reservoir and spread out over hundreds of acres of cotton and other crops. For a while when cracks developed in the dam, it was feared that the structure might collapse and send hundreds of tons of water roaring down on the agricultural areas of Pinal county. The dam held fast, but crop

(Please Turn To Page 38)

October 3, 1964

Storms

(Continued From Page 19)

damage in this area still is expected to exceed the million dollar mark.

Hardest hit in this area were the farms of Tom Willmoth, Ben Scott and Jim Savage. Flood waters fanned out completely covering the cotton plants in some areas. However, farmers said the loss was not total and they expected the middle and top crop could be salvaged.

Heavy rains also caused several serious floods in the Harquahala Valley. One in late August damaged crops, turned roads into rampaging rivers and washed out improved ditches. Damage again was expected to be more than \$500,000.

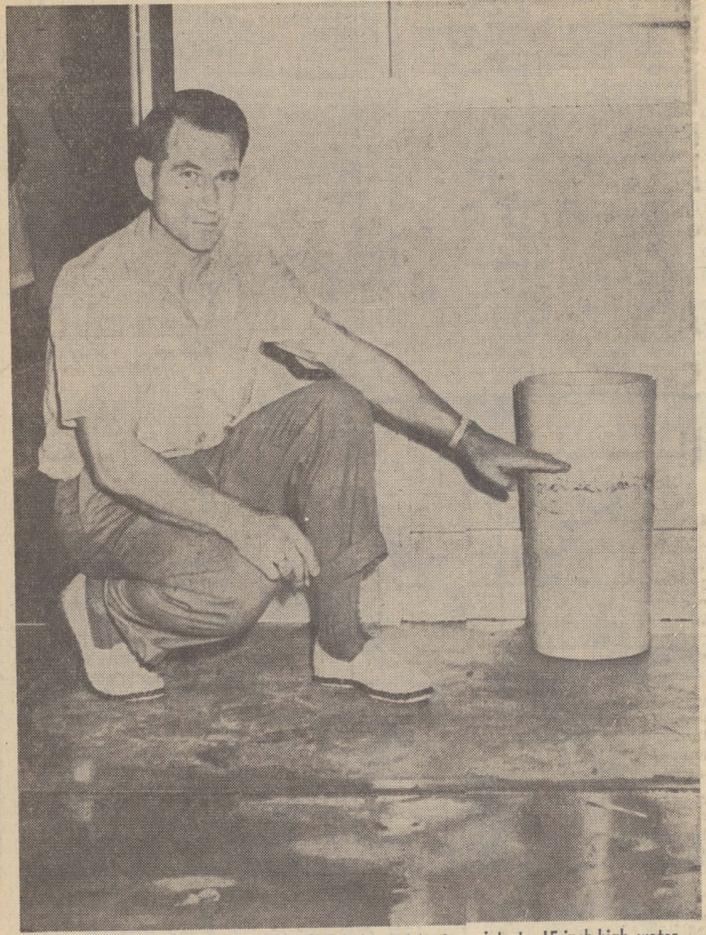
(Ed. Note: The AFR already has printed detailed reports from various sections of the state on storm damage not only to cotton but to other crops as it happened throughout the summer season. This account is intended to serve as a wrap-up to the total Arizona picture and at the same time elaborate on the most recent suffered. C. H.)

Heavy Rains Cause Floods In Many Sections Of City



Car went into water up to door handles at flooded 48th Street and Van Buren during storm, then backed out.

Gazette Staff Photos



Good Samaritan Hospital administrator, Steve Morris, points to 15-inch-high water mark on ash tray in lobby of emergency room after flood.



Weight of water during storm caved in roof of service station at 1501 N. Central. LaCroy Johnson, owner, said roof drain apparently clogged. Walls also buckled. Roof fell on pickup parked inside.



Fifty-four senior student nurses at Good Samaritan Hospital were called out to assist in mop-up operations after rainstorm flooded bottom floor departments with 15 inches of water.



Employees at Liberty Loans, 712 N. Central, were temporarily out of the loan business today as they mopped up after rainwater flooded office. From left are Joe Steiner of 726 W. Cinnabar; Roberta Schultz of 3025 N. 38th St.; Dale Johnson of 74 W. Moreland, and Art Green of 123rd Avenue and Southern.



Kenneth Wright, of 5322 N. 29th Ave. is shown beside his stalled car at 19th and Grand Avenues after a portion of the pavement caved in. Officers said earth settling around a huge storm drain as the result of heavy rain caused the pavement to give way. There were several such cave-ins on 19th Avenue between Thomas Road and Fillmore Street.

Gazette Staff Photos

Poor Flood Control Law Keeps Federal Aid Out

Evening Arizona 10-15-64

By RON VAN DOREN
Staff Writer

Maricopa County and the City of Phoenix cannot receive federal aid for flood control until effective measures are adopted to control land use in flood drainage areas, a county spokesman said today.

Unless the city and county come up with enforceable "flood plan" zoning regulations, the spokesman said, the local flood control district stands to lose some \$98 million in federal funds that would be necessary to finance the latest flood control plan.

It is generally conceded that at least part of the area flooding problem can be blamed on lack of control over indiscriminate construction in flood-prone areas, combined with failure to replace natural drainage channels with storm sewers.

The county has never been able legally to effect "flood plans" zoning, as well as other types of zoning, for lack of legislative authori-

zation. New enabling legislation for the counties is needed.

William Johnson, assistant city planning and zoning director, said the city zoning regulations have never included "flood plan" provisions, although subdivision ordinances have allowed other city departments to pass on the safety and advisability of subdivision locations. With construction in washes, dry river beds and other low areas the rule rather than the exception, the city apparently has failed to take advantage of this regulatory power.

A resolution of intention to enforce flood control zoning is being drafted for the consideration of the county board of supervisors.

However, much of the damage has already been done.

"This is not something that has happened in a few years," said Phoenix Public Works Director Fred Glendening, a flood control expert who has been a longtime

advocate of the flood control district program. "For example, Cave Creek Wash, which once flowed directly south into the Salt River, was cut off by construction of the Arizona Canal in the 1880's."

"The biggest problem is money," Glendening said. "Other cities that have averted flood problems have been able to construct storm sewers as they grew. Our development has been so rapid that this was not possible at the time."

Except for small communities constructed on higher, rolling plains near the river, the Valley was once predominantly irrigated farmland. Natural absorption took up all but the heaviest of floodwaters, while normally dry creeks and washes carried the overflow into the river. Until the dams were constructed on the Salt, sporadically heavy flows inundated farmlands and lower sections of the towns.

\$4 Million Flood Damage

Toll on Private Property Only Guess

By PAUL J. SCHATT

Damage caused by last week's flooding will exceed \$4 million, the state director of Civil Defense and Emergency Planning estimated yesterday.

But official figures to be used in applying for federal disaster funds won't be available until next week, Col. Carl N. Smith said.

Smith said his office has reasonably good information on public damage, but that reports of private damage have not yet been compiled.

"IN A REPORT to the governor, we reported \$1,610,000 public damage in Tucson and Pima County," he said. "And that figure will go considerably higher."

Of the Pima County damage, major loss was to the Tucson sewer system. Ken Son Sanitary District No. 1, Scharman, manager of Tucson said its damaged lines will continue pumping millions of gallons of sewage daily into Rillito Creek until repairs can be made, probably in 30 days.

PRIVATE damage to farmers was termed "quite considerable" in Santa Cruz County and in Pinal and Graham counties, Smith said.

"I would believe that, all told, the private damage will exceed \$3 million," he said.

Sam Stedman, Pinal County agricultural agent, said loss to some cotton growers could be as much as 25 per cent, and even more for a few growers who hadn't started their harvests.

BUT IN other areas, such as near the farming community of Maricopa, Stedman said, water damaged only lower parts of cotton stalks, ruining just ground cotton, which accounts for about 5 per cent of the total harvest. Major effect in this area will be a delay of two weeks or longer for harvests, and a postponement of planting of rotation crops, such as barley, wheat, and safflower.

Thus far, Gov. Goddard has declared three counties, Graham, Pinal, and Pima, emergency areas making them eligible for state funds. Smith said it is possible that Maricopa and Santa Cruz counties "may suffer so much damage that they ought to be included."

SMITH SAID it isn't known whether Gov. Goddard will immediately appeal for President Johnson to declare flood-damaged counties federal disaster areas next week,

when total damage costs will be available.

He noted that federal law requires that a state must have made available or spent \$750,000 within a 12-month period on flood repairs to be eligible for disaster aid, and that there is some confusion as to whether Arizona has met this requirement.

Public Law 875, under which flood aid is distributed, provides only for public damages, not for those suffered by homeowners and private business, he said.

"BUT WHEN that law is invoked, it makes it a lot easier for other agencies of the government to come to the aid of individuals more quickly," Smith said.

These agencies do not make outright grants, however, he said. Their assistance is usually in the form of low interest-bearing loans. Thus, it will be up to businessmen, homeowners, and farmers to arrange for flood aid.

Meanwhile, Gov. Goddard yesterday authorized Smith to spend up to \$30,000 for emergency purposes in Graham, Pima and Pinal counties. In addition, Goddard ordered pay for National Guard troops activated for duty in flood regions of Graham and Pinal counties.

Arizona Republic
12-30-65

Am. Republic

Sewage Flows

Into River

12-30-65

A RUPTURED 10-inch pipeline believed to have washed out last weekend has been pumping 750,000 gallons of raw sewage daily into the Salt River, Phoenix city officials said yesterday.

Art F. Vondrick, assistant director of the City Water and Sewers department, said workmen repairing a washed-out section of road discovered 150 feet of broken pipeline Monday at 19th Avenue and the river.

Since the sewage was greatly diluted in the river, "there was no cause for alarm before," Vondrick said. But the river is receding now, and the sewage is beginning to pond at two places near 19th Avenue, he explained.

VONDRICK could give no estimate of how much repairs would cost, but said that once workmen have prepared a new

(Continued on Page 12, Col. 1)

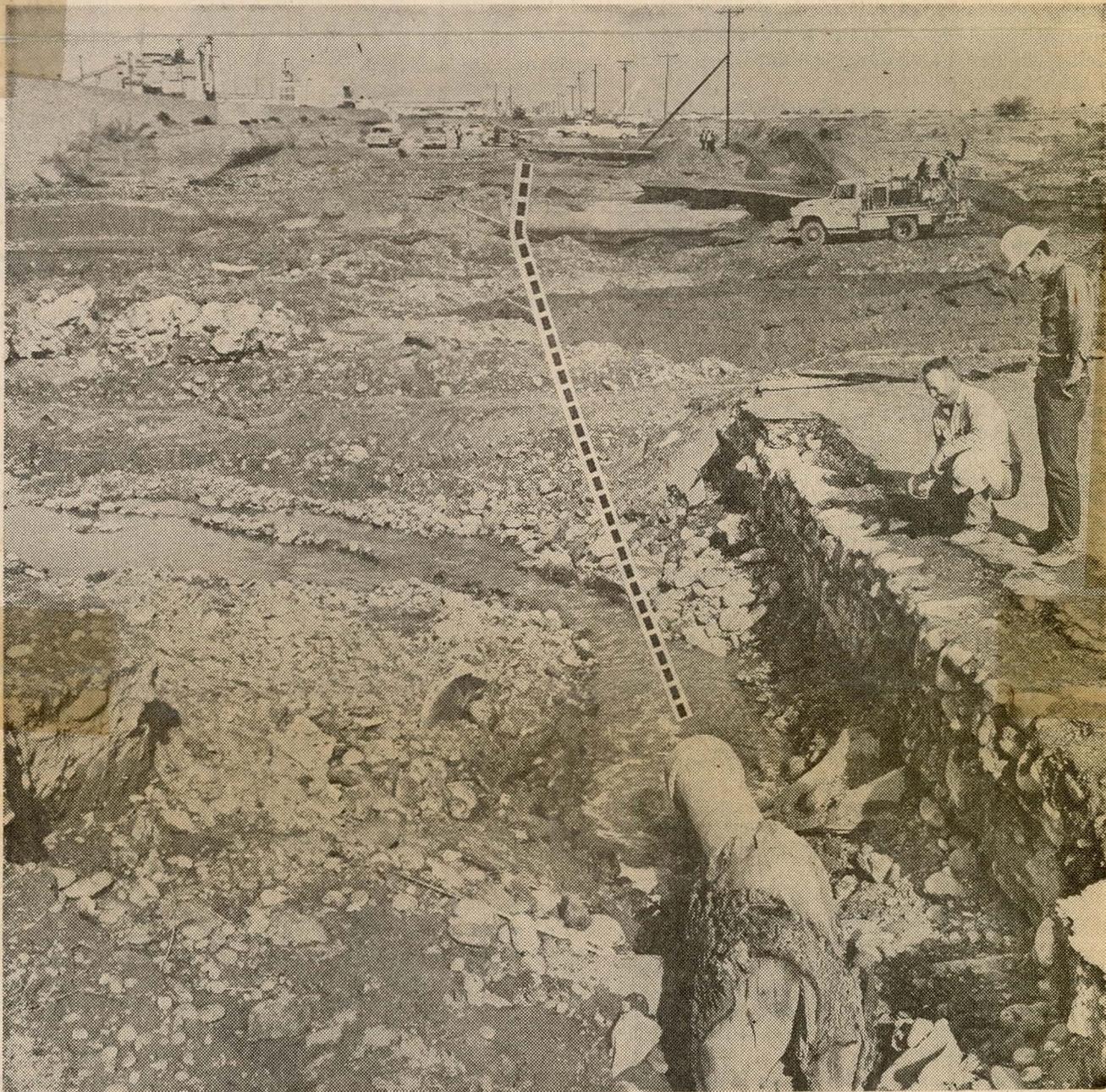


Republic Photo by Ludwig Keaton

SEWAGE PONDS—When city officials discovered Monday that a sewage pipeline at 19th Avenue and the Salt River bed had been washed out by

the flood it was already too late to prevent accumulation of waste in large ponds nearby. Chemicals have been added to reduce the health hazard,

but a new discharge of water from Granite Reef Dam is expected to flush away the sewage. Officials warn Valley residents to stay clear of area.



Republic Photo

BROKEN SEWAGE PIPE — Broken line shows where a City of Phoenix sewage main ran north along 19th Avenue before last week's heavy flow

of Salt River water swept it away, along with the entire roadway. City engineers say repairs cannot begin until the water is gone.

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Salt River Flood Damage \$1.2 Million, Rising Fast



Orien Fifer Jr.

Covering the Flood
Real Team Effort

"OH, NO!" EXCLAIMED the woman beneath the hair dryer. All power was gone; her fastidious hairdo was wet to the scalp.

"Tonight's the big party," she moaned. To the south there were different reactions. Hundreds of persons had to leave their homes, and many of them saw mud and dirty water flow over their precious possessions. It was far more serious than a hairdo that didn't come out quite right. And what went on in our newsroom?

It was early yesterday morning before a weary assistant city editor, a rewrite man, reporters, a desk man and others closed up shop. Temporarily.

"Have someone at the Tempe bridge at 7:30 a.m. when flood peak should hit that area," a note from Bill Meek said.

By midmorning, assignments were made. Radios were on; so were communication networks of police and the sheriff's office. Telephones rang constantly.

A quickly typed memo said:

"Bolles/Keaton . . . Watching Freeway along river bed. Parts deteriorating. Will be in charge of roads, bridges, river washouts.

"Cole/Brown . . . Watch rising water, damage, evacuations. Follow water downstream.

"Cousland/McCarty . . . Staff evacuation center at South Mountain High where several thousand persons have been moved.

"JACK WEST . . . Check evacuation in Lehi area, rising water on Sky Harbor runways. . ."

On it went, reporter-photographer teams, or reporters on their own . . . Armstrong, King, Martin, Early, Bailey, Ridge, Sitter/Repp (watch Central Avenue bridge).

"Paul Dean . . . Trying for flight aboard Gov. Goddard's helicopter. Later may fly own plane . . . Jean Duffy . . . Watch evacuation center Phoenix Union."

The phone rang.

"When are you going to run that item about our picnic?" someone asked.

Early, Heatwole, Murray, Crowe, Wynn, Avery (on duty at Salt River Project headquarters), Berger, Dumond, McVey, Polson, Melbo, Cavanaugh, Felshaw, Haney, Egerton . . . All had chores to perform.

The radio rarely stopped its reports. Joe Patrick said the crest was approaching; water was closing the Central Avenue bridge.

A woman called.

"Things are so sunny and beautiful where I am," she said. "Is there really that much water down there? And why don't they turn it into one of the canyons?"

Ivan Mashek was like a captain staying with his ship. He was on the photo lab mike, talking with the city desk, with photographers in their cars, keeping all informed of developments in other areas. Giving instructions.

The phone rang again:

"Can you come out and take a picture of our New Year's Eve party?" someone asked.

Ed Murray knew we would have to have more space. He got it.

TOM SANFORD and Hugh Harelson had to have four ears, four hands, and the patience of two Jobs. Eddie Meier was waiting for an avalanche of pictures taken on land and from the air.

Ruthie, the telegraph editor, walked in.

"Maybe I should go home," she said.

Her husband, Tod, was manning the news desk, and it was to be a night when about 75 per cent of the news content of the paper would be devoted to the flood.

Earl Zarbin was to assemble a mountain of notes from dozens of sources and write the main story. Others were to contribute sidebars. Copy editors were ready to process the stories quickly, all mechanical departments were alerted. This was a big one.

"And I," said our business editor, "have to concentrate on an increase in interest by a savings and loan company."

A former city editor now in the Smart Department (editorials) came into the newsroom, his nose twitching like a hound dog on the scent of a rabbit.

A preacher-poet came in and read a poem about the glories of climbing Camelback Mountain.

Someone said there was a man in the lobby with a lot of animals.

"He says his name is Noah," said the wisecracker.

Estey Reed called to say Indians on the Gila and Salt River reservations were flooded out and needed food and clothing. Send it to 4307 E. Catalina or 4514 E. Earll, he said.

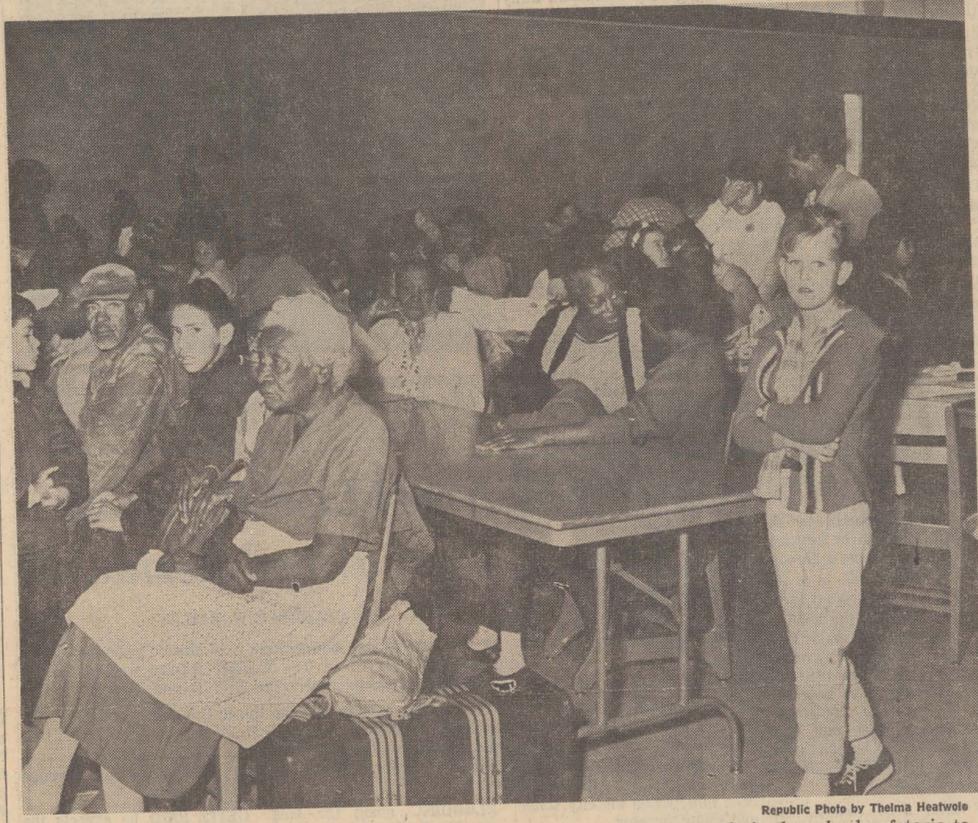
DESPITE THE seriousness of the flood, there was an orderliness about the preparation of its coverage. Nobody went shouting up and down the aisles. It was a team effort, well coordinated.

A man on the radio was talking with a pal in a helicopter, high over the muddy water.

"The river is more than a mile wide at Seventh Street," the man in the helicopter said.

There was a pause for a commercial.

"Water," said the announcer, "is your most precious resource."



JUST WAITING—Evacuees, estimated at 2,500 to 4,000, converged upon the campus at South Mountain High School. Some carried changes of clothing and waited patiently in the school cafeteria to learn the fate of their homes. Soon after this picture, evacuees were fed dinner of breaded steak.

\$700,000 To Public Property

By DON BOLLES

ESTIMATED damage from the free-churning waters of the Salt River had soared past the \$1.2 million mark last night and the cost was rising hourly.

State officials said the full cost of the flooding will not be known until the brown, foamy waters have receded and the destruction uncovered.

But this much was known last night:

—Damage to public property was estimated by state Civil Defense headquarters at "over \$700,000."

—The loss in flooded homes and businesses was estimated at \$500,000. The home damage was much less than anticipated when upwards of 5,000 persons were evacuated.

Sen. George Peck, D-Maricopa, toured the flooded area by auto and said he will confer with legislative colleagues early next week to see if the governor's \$30,000 emergency fund can be bolstered.

Here is a rundown of the major damage areas, provided by state Highway Director Justin Herman, state Civil Defense chief Carl Smith, local officials, and private businessmen:

Maricopa Freeway around 30th Street and the river, \$300,000 for emergency fill with boulders and wrecked autos, replacing washed-out concrete and rails, and building a flood control dike.

COUNTRY CLUB Drive, Mesa, \$150,000 to \$170,000 to replace 23 washed-out pipes and roadway. The culverts were installed for flood protection only last November.

Mill Avenue, Tempe, lower roadway, \$25,000 to repave.

Tempe sewers, \$100,000 to repair.

Central Avenue bridge, unknown damage from erosion of foundations and sagging of roadway.

Sky Harbor Airport, \$25,000 for repairing blast fence at east end and repairing runway and taxiways.

River-level crossings at 40th, 24th, 16th, Seventh streets and Seventh, 19th, 35th and 51st avenues, at least \$150,000 and probably higher.

Arizona Public Service Co., rupture of gas lines at Seventh, 48th and 56th streets, unknown.

U.S. 80, considerable erosion near Buckeye, unknown.

Tanner Brothers Contracting Co., 2606 S. 40th St., huge rock crusher toppled and fell on dikes, costing thousands of dollars.

ON SCOTTSDALE Road near Tempe, water swirled around and into JD's nightclub, a service station, wrecking yards, and homes.

There was considerable damage suffered by businesses in the normally dry river bed. But (Continued on Page 22, Col. 3)

Red Cross Meets New Flood Crisis

By REVA BERGER
Republic Women's Editor

COME HELL or high water—and yesterday was a bit of both—the Red Cross is on the scene.

Broadcasting appeals by radio and telephoning close to 1000 standby volunteers, the Maricopa County Red Cross contingent hit the streets early. Project: feeding and housing evacuees.

Working closely with schools, they initially set up four evacuation centers, expanding them later into a total of 11. Schools are the natural link because of their food inventories and space available for cots.

IN URGENCY to get sufficient food to last through the night, the Red Cross worked closely with William Pederson—food director for Scottsdale High School System—and independent caterers. All evacuation station directors were given requisition slips enabling them to go to any store in their area, purchase the necessities and guarantee total refunding by the Red Cross.

Most Red Cross workers were roused out of their beds by the shrill ring of the phone around 7 a.m., the first ones by Lee Krebs, chapter manager, who himself had spent the night at the 1510 E. Flower headquarters.

Within minutes after the flood warning became imminent, seven mobile trucks were dispatched to follow the Salt River on both sides, constantly broadcasting back information.

THE INFORMATION was relayed into a radio shack in the middle of the Red Cross HQ, where three men sat, ear phones strapped to their heads. These men remained in constant contact with all evacuation stations, as two-way radio communication is one of the first things set up at each station.

Backing up the Red Cross servants were hundreds of Phoenixians who at one time or another have had Red Cross training. And some who just had sympathy for the cause, some talent, and the desire to volunteer.

A constant stream of people flowed through the main doors of headquarters, past the pot of steaming hot coffee, and up (Continued on Page 22, Col. 4)

Stream Polluted by Sewage, But Health Danger Minimal

By STERLING RIDGE

SEWAGE polluted floodwaters of the Salt River in the Valley last night, but presented no immediate major health problems in Maricopa County, according to Dr. S. F. Farnsworth, county health director. No threat was posed to municipal drinking water supplies.

However, he listed several important "don'ts" for residents:

- Don't swim or wade in flooded areas.
- DON'T DRINK the floodwater.
- Don't eat food affected by the flood.
- Don't drink water from private wells in areas that have been flooded until it has been boiled or the health department has inspected it.

"Actually, unless something unexpected happens, the majority of our work won't come until the waters recede," Dr. Farnsworth said.

"RIGHT NOW our nurses and doctors are working with the Red Cross and Civil Defense, and the rest of our people are standing by in case they are needed."

The health director said sewage in the water came from flooded sewage plants in Mesa and Tempe, inundated sewage ponds in Scottsdale, and a ruptured sewer line in Phoenix at 19th Avenue and the Salt River. The latter occurred last weekend.

"THESE places are all discharging raw sewage into the Salt River, and sewage contains dangerous bacteria," Dr. Farnsworth said. "However, as long as we have this volume of water there is no great danger."

"All the areas that are flood-

ed now are on domestic water or on safe well water."

All domestic water supplies were in good shape yesterday, Farnsworth emphasized.

THE CITY of Phoenix shut off water mains crossing the Salt River to south Phoenix as a precautionary measure and put that area on pump water from wells in south Phoenix.

In Tempe, citizens calling city hall were advised that their

water supply was safe since it came from a closed system fed by deep wells.

But Tempe officials also advised that boiling drinking water would be a wise precaution, since the possibility of pollution could not be ruled out altogether in case a water main broke.

DR. WILLIAM Moore, state health director, said his department was offering primarily backup support to the County Health Department.

An Index for Floodouts: Some Do's and Don'ts

By JULIAN DEVRIES
Medical Editor, The Arizona Republic

FLOODWATERS ARE frequently contaminated waters.

Here are a few simple precautions to observe by those victimized by the flood, or those engaged in rescue and repair operations:

1. PROTECT all open skin surfaces from contact with floodwater. A simple gauze and adhesive tape bandage covered with cellophane and held in place with cellophane tape will suffice.
2. Avoid chilling and exposure as much as possible. Change into dry clothing at the earliest opportunity, even though chances are good it will be soaked, too.
3. DRINK HOT COFFEE, tea or chocolate (or cocoa) to keep warm. Heat generated by alcoholic drinks is quickly dissipated, and no amount of liquor ever "warded off a cold."
4. If normal drinking water supplies have been disrupted, first strain through fine cloth and then boil for at least 20 minutes whatever water can be obtained.
5. Before use, boil for at least 15 minutes all glasses, dishes and utensils exposed to the flood.
6. DON'T TRY to salvage for use any edibles which may have come in direct contact with floodwaters, unless the foodstuffs are in unopened, watertight containers.
7. When it's all over, and you're tired and hungry, eat just enough to dull your hunger, and then get as much rest as possible. You can eat all you want later.
8. Thoroughly wash everything which has been in the flood.

Observance of these few rules can help to avoid much of the intestinal upsets and other illnesses which usually follow floods.

Floodwaters Leave Phoenix With Street, Garbage Crisis

The City of Phoenix yesterday prepared to fight back against the floodwaters that wiped out city streets and forced an unprecedented garbage disposal crisis.

Mayor Graham estimated that the flooding Salt River will inflict nearly \$500,000 damage to city streets.

"I don't want to minimize the damage," said Graham, after a plane tour of the flooded area. "But bad as it is, it could have been worse. It's amazing that more damage wasn't done."

"IF THIS doesn't show the people why they should vote for the bond issue, I don't know what could."

County property owners will vote on a \$22.7 million flood control bond issue, tentatively scheduled in February.

"You could pick any kind of figure you want as a damage estimate," said Fred Glendinging, the city's director of public works. "It might cost \$200,000 to repair the Central Avenue bridge alone, but we just don't know."

"We can't tell because everything is under water. But I'm sure there's going to be substantial damage."

TWICE-A-MONTH trash pickups in Phoenix will be suspended temporarily to put more crews on garbage collection, said James A. Stokely, general superintendent of street maintenance.

The reason for this, he said, is that all city refuse must be disposed of in the municipal landfill at 19th Avenue and Greenway in the extreme northwest part of the city.

The city's other two landfills in the Salt River bed at 15th Avenue and 16th Street were inundated by the floodwaters.

Normally, all garbage and trash collected south of Camelback Road is deposited in the Salt River landfills.

MORE garbage crews are needed, Stokely said, because of the increased hauling times to the landfill. This also will boost refuse disposal costs sharply, he said.

Stokely urged all city residents not to trim trees, cut grass or do anything else for the next several days that will add to the city trash disposal problem.

The twice-monthly trash collections already were behind schedule, Stokely said, because of the recent rains and abnormally heavy Christmas season trash loads.

MAYOR Graham made a tour of trouble spots along the river shortly after midnight yesterday, then started another just before dawn. He had high praise

for the police and deputies working long hours to protect residents.

Visiting each flooded area with Charles Esser, assistant city manager, he helped coordinate efforts of the many agencies working together to battle the flood, and made sure that adequate manpower, equipment and communications were available.

During the afternoon Graham and Esser took a flight over the entire flood area, from Stewart Mountain Dam at Saguaro Lake through the city.

AT PHOENIX - Maricopa County Civil Defense Headquarters in Papago Park, Graham and Esser joined in conferences to determine what additional efforts would be needed in which areas.

"Phoenix contributes \$29,000 each year to Civil Defense," said Graham. "Today, they've been worth \$29,000 per hour to us."

The damage caused by the flood will have to be repaired by funds obtained through taxes, Graham said.

"I'd like to implore all of the people to vote for the bond issue," he added. "A major flood in Phoenix could cost us an additional \$25 to \$30 in taxes for each home. The bond issue will cost the average homeowner about \$5 per year, and there would not be the human suffering that always occurs in disasters like this."

IF THE flood control bond issue passes, \$93 million in federal funds will become available.

Graham and Esser said it could not yet be decided whether to make temporary repairs to the streets wiped out by the floodwaters.

"We'll either have to put in temporary streets and expect to have them knocked out in the spring," said Esser, "or we'll have to put in installations that can take the water we'll be getting then. There's no use trying to do the job halfway."

Stokely and Glendinging said "extensive repair work will be necessary at all the river crossings."

THESE crossings are at 48th, 40th, 24th, 16th, and Seventh streets and at Seventh, 19th and 35th avenues.

The west foundation on the S. Central Avenue bridge sank 11 inches, causing the opposite northbound lanes on the bridge's east side to be closed and opened alternately to traffic. The west side of the bridge, Glendinging said, was built about 40 years ago and its wood pilings have rotted.

The east side of the bridge was built about 10 years ago and is in good shape, he added.

CITY CREWS worked through the night Thursday and early Friday getting equipment away from the river bed, posting street barricades and installing 2,000 sandbags at the openings of the levees around the 23rd Avenue and Salt River sewage treatment plant.

The 23rd Avenue and 91st Avenue sewage treatment plants were operating smoothly late last night and appeared out of danger.

Dario Travaini, water and sewers director, said an abandoned treatment pond at the 31st Avenue plant was washed out.

TRAVAINI also reported: —The major water transmission main crossing the Salt River at 16th Street was shut down. All domestic water in south Phoenix is from wells.

The transmission main was closed as a precautionary measure. If it ruptured, Travaini said, the city's reservoirs would be drained before all the valves could be closed.

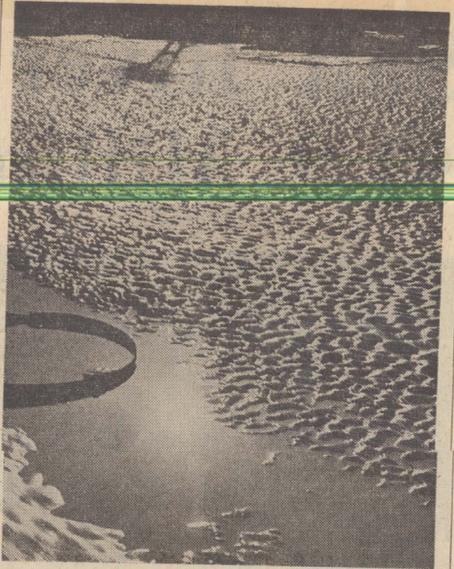
—Three 250-horsepower motors at the Salt River pumping station at the confluence of the Salt and Verde rivers 20 miles northeast of Phoenix were completely submerged by floodwaters.

BUT, HE said, this plant was not in operation and its flooding will not affect domestic water service.

Travaini estimated that no more than \$15,000 damage has been inflicted on the city water and sewer systems.

Stokely also reported that the city maintenance storage yard at 40th Street and the river had been evacuated as a precaution.

Maricopa County officials reported that more than 100 dogs and cats were evacuated from the county dog pound, 2204 S. 26th St. The animals were given to a private veterinarian and to the humane society and some were returned to their owners.



FOOTPRINTS—This pattern was created yesterday when cattle had to be evacuated at Del Rio Cattle Co., S. 56th St., in Tempe, near Salt River.

New Flood Warning For Safford Residents

By CLARENCE W. BAILEY

A new runoff from southwestern New Mexico yesterday began to swell the Gila River. The Weather Bureau warned Safford residents to brace themselves for their second flood in a week.

The warning bulletin said the Upper Gila River crested at 2 1/2 feet above flood stage at Cliff, N.M., at noon yesterday, and that wall of water surged through Cliff yesterday.

GEITZ SAID he expects the water to take 30 hours to reach Safford, but that he cannot estimate how bad the flooding will be at midday today when the first surge reaches the city.

Meanwhile, at Snowflake, 120 miles north of Safford, residents began to recover from a flood that devastated roads and countryside west of the town Thursday.

Heavy rains on water-soaked hills created a torrent that flashed down Cottonwood Wash one-half mile west of the Snowflake business district.

A 150-FOOT section of Arizona 277 to Heber and five drainage pipes were swept away, leaving an impassable channel to block traffic.

Uprooted trees tangled with scattered drainage pipes south of the highway and rapidly collected floating brush and debris. Water accumulating behind the flood-formed dam then spilled eastward where it flooded a residential area and caused 12 families to flee.

Elsewhere throughout the state, including flood-damaged Tucson, no new flood threats were foreseen yesterday.

Guard Denies Lack Of Food for Workers

Arizona National Guard officers yesterday denied reports that 500 guardsmen on emergency duty had to work without food.

Maj. Norbert Sinski said mess teams served hot lunches in all guard units called on emergency flood control duty.

In addition, he said, each guard motor vehicle is equipped with emergency C-rations.

River Goes on a Bender

Flood Is Contrast of Silent Awe, Raging Terror

By PAUL DEAN

From the air, Arizona's Great Flood was a thing of silent awe.

Above the din of an airplane engine there was no sound to the torrent.

But below, giant steel concrete mixers were tumbled and tilted like Ping-Pong balls. Brown-flecked whitecaps were slamming against concrete footings and wobbling solid steel power pylons. Angry water eroded concrete-hard dirt and weakened solid rock cribs.

THEN THERE were vast areas of genuine quiet. New lakes whispering across the meadows and desert of the Verde Valley, and knots of people gazing silently at their strange, wet countryside.

A hundred working Arizonians shared this aerial grandstand yesterday. They were part of an airborne armada of light planes that pitched in to help bail out the Valley of the Sun from above.

Men like Gov. Goddard who spent five hours cramped in a two-place Arizona Army National Guard helicopter, and who personally warned ranchers and farmers to clear threatened areas.

THERE WERE regional Bureau of Reclamation engineers from Boulder City, Nev., who fluttered around the Valley in another chopper, penciling plans should Washington declare the waterlogged desert a disaster area.

Then the highway patrolmen who flew overhead to pinpoint traffic jams and alternative routes. And the pilots of the U.S. Army, Air Force, the Maricopa County Sheriff's Air Posse, the Civil Air Patrol and the Arizona National Guard, flying mission after mission to watch for stranded persons, animals and developing flood perils.

As one harassed air traffic controller at Sky Harbor Airport put it:

"WHAT WITH newspapers, and radio and television stations all wanting to get their people airborne, I think I was busier today than any police officer at a downtown intersection."

Aircraft of the CAP scoured every inch of the flood area from Buckeye to Bartlett and back.

But at the source, Bartlett and Roosevelt lakes, there was little to indicate the damage being created 40 miles downstream.

ONLY PREVIOUS visitors would know that the giant rooster tails rising from the dam spillways were anything out of the ordinary. Who but a frequent tourist could see that a Fibreglas outboard was cruising around an island that a month ago had been a peninsula picnic ground?

Hawk eyes were needed to see wheel tracks leading from lakeshore to house trailers that had hurriedly been hauled out of harm's way.

FIVE MILES east of Scottsdale it was slicing across a desert road, leaving 100 yards underwater and telephone poles twisted at crazy angles.

Ol' Man River was hammering and sloshing at full bore as it tore first across Granite Reef Road, then Country Club Drive and finally Scottsdale Road. Cubes of yellow from the air were Arizona Highway Department trucks keeping motorists away.

There were few sightseers. Phoenix had listened to police warnings to keep clear of flooded areas.

Beyond Scottsdale Road, the muddy waters had fanned out to a quarter mile, flooding quarries and marooning bulldozers and gravel crushers. Some were stranded on tiny spits of sand. Others showed only cabs above the surface.

Downriver from both Bartlett and Roosevelt lakes the scene was pastoral. Cattle grazing in the Verde Valley and a boy swimming in a broad, meandering Salt River.

Road, the muddy half-mile-wide Salt River had split into two loops, broadening its advancing front.

AT THE Tempe bridges, floodwaters had risen halfway up billboards that normally tower over passing motorists.

Past these triple spans, the Salt River stretched its width again, pouring through and around the Smith & Kelly stockyards, south of E. Jefferson. Wet cattle stood knee deep in water. Some were huddled together on hummocks too small to accommodate more than a dozen.

The east end of the main jet runway at Sky Harbor was under water. Two thousand feet of submerged asphalt made a poor overshoot area for any pilot who misjudged his landing roll.

SOUTH CENTRAL was the only southern route of entrance and exit for Phoenix motorists. Every other street and avenue that crossed the river bottom had been drowned in brown water.

River bottom quarries in southwest Phoenix seemed to have fared worse than their eastern competitors. Gravel trucks, mixers, crushers and

Goddard Stays Awaits Flood

By BILL J.

Gov. Goddard remained undecided President Johnson to declare Arizona area in need of federal repair fund.

Goddard was interviewed on his over the Salt River Valley. He desisted of the cresting Salt in an effort to warn unbelieving Valley farmers and residents out of flood danger.

But, when asked about federal flood relief, he said he would delay contacting Washington until he gets more accurate estimates of damage done and the state's capacity to help.

A GODDARD AIDE explained that federal law apparently requires the state and local governmental units to obligate at least \$750,000 of their own for the repair of flood-damaged public works before federal aid is extended.

For this reason, he added, the state Senate appropriations chairman, Ben Arnold of Coolidge, also made an aerial survey of flood damage yesterday. Rough estimates placed damage at more than \$1 million.

GOV. GODDARD called a more efficient flood-warning system a "must." He said that his helicopter "scared the heck out of some people" in attempting to herd them out of the path of the Salt River flood.

"Many of them recognized me from pictures," he said, "but they didn't seem to understand how serious this was."

He added, "people don't realize it, but this thing moves fast, and it has a tremendous current."

Still another official who flew over the Salt River Valley with a view to possible federal relief measures was A. B. West, regional chief of the U.S. Reclamation Bureau from Boulder City, Nev.

WERE THE PRESIDENT to declare the Valley a federal disaster area at the governor's request, said West, the federal Office of Emergency Planning would:

—Designate federal agencies like the Reclamation Bureau and Corps of Engineers and possibly the Department of Health, Education and Welfare to spend their construction

Daily Crossword Puzzle

ACROSS

- Footless animal
- Use the molar
- Stupid style
- Prevailing
- Book of hours
- Therefore
- Discharges
- Performer's raw material
- Harass
- Restraining
- Pert. to the stars
- Fabric
- Cong
- At the table
- Setting apart
- Curier's piece
- Before
- Without animation
- Come out ahead
- Open-mouthed

58 Whitney's creation: 2 words

62 Pert. to country of Europe

63 Have efficacy

64 Be effusive

66 Drive off

67 Number

68 Refrigerated

69 Garment

70 Try out

71 Ethereal

DOWN

- One-celled animal: Var.
- Fruit of the apple family
- Kind of poet
- Be worthy of recompense
- Midwestern city: Colloq.
- Oregon mountain
- Read
- Spanish painter
- Series of steps
- Bitter
- Yech
- Levites' ancestor
- High clear ringing sound
- Community city: 30 Feminine name
- Rooms for relaxing
- Thin round pieces
- Places upon a list
- New Brunswick's neighbor
- City of Oregon
- Desire
- Instrumentality
- Southern States
- Small amount
- Chemical

Yesterday's Puzzle Solved: 1/1/66

Answers: 1. HOLE, 2. MULE, 3. STUPID, 4. PREVAILING, 5. BOOK OF HOURS, 6. THEREFORE, 7. DISCHARGES, 8. PERFORMER'S RAW MATERIAL, 9. HARASS, 10. RESTRAINING, 11. PERT. TO THE STARS, 12. FABRIC, 13. CONG, 14. AT THE TABLE, 15. SETTING APART, 16. CURIER'S PIECE, 17. BEFORE, 18. WITHOUT ANIMATION, 19. COME OUT AHEAD, 20. OPEN-MOUTHED, 21. READ, 22. SPANISH PAINTER, 23. SERIES OF STEPS, 24. BITTER, 25. YECH, 26. LEVITES' ANCESTOR, 27. HIGH CLEAR RINGING SOUND, 28. COMMUNITY CITY: 30 FEMININE NAME, 29. ROOMS FOR RELAXING, 30. THIN ROUND PIECES, 31. PLACES UPON A LIST, 32. NEW BRUNSWICK'S NEIGHBOR, 33. CITY OF OREGON, 34. DESIRE, 35. INSTRUMENTALITY, 36. SOUTHERN STATES, 37. SMALL AMOUNT, 38. CHEMICAL

More About Flood Toll

(Continued from Page 21)

many of them averted worse problems by having bulldozers push dirt embankments before the river rose.

A \$500 GASOLINE storage tank and hundreds of empty barrels from a supply company floated down the river and under the Central Avenue bridge about 11 a.m., joining the pieces of houses and logs in the debris-strewn waters.

Cattlemen from inundated farms around 51st Avenue mounted horses and drove cattle along the roads to high ground. Many lost their hay, however.

Stationary feed lots in eastern Phoenix felt the wrath of the reborn river, but several thousand head of cattle were evacuated safely by truck. A helicopter scared some cattle off newly formed islands in midriver.

HARDEST HIT were the Hughes and Ganz Cattle Co. and the Smith and Kelly Feed Co., both on S. 48th Street, and the Del Rio Cattle Co., S. 56th Street, Tempe.

Mud-covered Brud Delano, a Del Rio official, was near exhaustion as he herded cattle on horseback through the murky water. He said he couldn't estimate the damage to area feedlots, including his own.

Charged against the flood dollar were the cost of National Guard and civil defense rescue operations, constantly hovering helicopters, extra po-

More About Red Cross at Work

(Continued from Page 21)

to the receptionist who acted as traffic control manager.

AT 11 A.M., Evelyn Carmack, owner of La Galeria Art Gallery, pushed open the door.

Mrs. Edwards, a school nurse, had been called at home at 4:45 a.m. by the Red Cross, and as one of the first to arrive at this post. She helped to register people, set up a first-aid station, and proceeded tranquilly to do what had to be done.

"MANY OF THEM here were housed early by police knocking on their doors," she said, "but they are all quite calm now." and the gentle Red Cross workers continued to circulate through the crowd, checking the insulin intake of a homeless diabetic, and watching carefully for any signs of shock.

The chief of the station, Edward Biringer, ate his first hot meal in hours, a bowl of rationed

Tempe Bridge Only Crossings

Only U.S. 60-70 at the Tempe way were open across the Salt ment agencies reported.

The S. Central Avenue bridge and opened during the night aft

Rivers May Give State \$10 Million Bill

By JACK WEST

Arizona's bill for the floodwaters that have tormented her for the past two weeks may top \$10 million, officials estimated yesterday.

Meanwhile, Phoenix remained a city cut in half by the flooded Salt River with the closure of the S. Central Avenue bridge.

Motorists trying to make their way between the northern and southern portions of the city squeezed their cars into bumper-to-bumper traffic over the Tempe bridge and Maricopa Freeway, with only two-lane traffic possible over either.

AND REP. LEON Thompson, D-Maricopa, asked for an investigation of operations of sand and rock companies in the Salt River bed, which he said threaten the flooding of homes and

"violate the protection of the (Central Avenue) bridge."

Citizen cooperation was asked to reduce use of natural gas. Telephone service was cut off in some areas east of Scottsdale Road.

GOV. GODDARD pointed out that it would be impossible to determine the total statewide damage accurately for some time. He estimated roughly that repairs to roadways, bridges and other public property in the state probably would top \$3 million, including \$1.3 million in Phoenix and Maricopa County and \$100,000 in the Safford area. He added that the figures could climb as the floodwaters continue to roll.

Unofficial estimates of damage to private property around the state so far totaled \$7 million over the past two weeks. \$2.8 million in Phoenix and Maricopa County and \$1 million in the Safford area.

GODDARD SAID more accurate figures could be expected following his meeting Tuesday with officials of Maricopa County and its four larger cities and the heads of the state departments concerned.

The S. Central Avenue bridge remained closed to all but emergency traffic last night. This came after a span of the older west side of the bridge which carries southbound traffic dropped some 4 to 6 feet toward the river.

Engineers worked throughout yesterday to find a method of determining whether the partial

collapse endangered the newer East side of the bridge. Its northbound lane was converted into a two-way lane for emergency vehicles.

"IF WE FIND that the east side of the bridge is safe, we'll reopen it to two-lane traffic," said Mayor Graham. "But it may take some time to find out. We might have to wait until the river bed is dry before we really can determine just how serious the damage is."

Mayor Graham said new roads would be laid on the river bed as soon as the water stops running, to ease the traffic problem as quickly as possible.

"We'll be right on top of it," he promised.

THE MAYOR added that repairs to the bridge might not be as costly as had been feared.

"We can't tell yet," he said, "but we're hoping that all we'll have to do will be to replace the damaged section. If so, then the cost will be only in the tens of thousands of dollars rather than in the hundreds of thousands."

Total damage to city streets and other facilities would be at least \$250,000, Graham said.

Rep. Thompson, in a letter to Gov. Goddard, asked for an investigation into operations of sand and rock companies in the Salt River bed which he said placed the "rights and the interest of the state and its inhabitants in great danger."

IN HIS LETTER, Thompson said the Union Rock and Sand

Co. has built a jutting island alongside the south end of the bridge which interferes with the normal flow of water.

City engineers said the spit of land may be constricting the water flow under the bridge by one-third. The damaged portion of the bridge is located at the tip of the spit, which is used by the firm as a storage and parking area.

MAYOR GRAHAM said it would be impossible to determine what part the spit might have had in the collapse of the bridge until a thorough examination of the damage is made. It would not be possible to force removal of the island, he added, without recourse to court action.

Rep. Thompson charged that the man-made spit, combined with removal of dirt around the bridge, "violates the protection of the bridge and the regulation of the flow of the river." One engineer who examined the excavations on each side of the bridge said that, in effect, the structure was "a bridge on top of a dam."

STATE OFFICIALS said last night that the flood erosion which crumbled one side of the south approach to the Maricopa Freeway bridge and forced closing of two of its four lanes appeared to have been stopped. They added that it seems unlikely the remaining two lanes of the freeway might have to be closed.

A team of damage estimators from the Los Angeles office of the U.S. Army Corps of Engineers visited Phoenix yesterday for a preliminary briefing on the flood situation.

HIGH WATER ROUNDUP

JAN. 4, 1966

State Welfare Funds Taking Flood Beating

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HE SAID he gave welfare units in Maricopa, Pima, Pinal, Graham and Yuma counties "the go-ahead" to issue cash orders and to supply federal surplus foods "where it was determined they were needed." He is awaiting their reports.

The Salvation Army cooperated with welfare personnel in offering aid in Maricopa, Pima and Yuma counties.

A major allotment of federal commodities, including canned beef, corn meal, wheat flour, rice, lard, peanut butter and beans, will be distributed tomorrow in Yuma.

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"We are working closely with the Salvation Army and the Migrant Ministry in determining further commitments of money and food," Graham said.

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A number of cots and blankets from local emergency supplies have been returned to storage.

All the armed forces bedding temporarily is housed in the Air National Guard hangar at Sky Harbor but will be moved from there.

Man Sought Again After Flood Rescue

Sheriff's deputies today were still seeking a man "rescued" from atop a car stalled in the middle of Salt River during flooding.

Last Friday, Gary Hart, 23, was taken from a car at the Hayden Road crossing of the river. He was lifted safely to the bank by an Arizona National Guard helicopter.

HART TOLD deputies at the time that another man, whom he identified as Carl Pastorino, was with him and disappeared in the floodwaters as he attempted to swim to shore.

Today deputies said they could find no evidence that a Carl Pastorino ever existed.

THEY ALSO discovered that a warrant for Hart's arrest was outstanding on a charge of car theft. After the car from which Hart was rescued was pulled from the river, deputies found that it was reported stolen Dec. 30.

Capt. Ralph Edmundson of the sheriff's office said he doubted if there were a second man with Hart when the car stalled in the river.

Businessmen To Learn About Flood Loans

Gazette Scottsdale Bureau

SCOTTSDALE—Twenty-five businessmen in the Scottsdale Road and Salt River area, hard-hit by the river bottom flood, will meet at 8 p.m. today with Small Business Administration (SBA) officials and the Red Cross. The meeting will be at East Hayden Plaza in Radio Station KYND.

ROY SNELL, SBA loan specialist, said he will brief businessmen on how to make application for low-interest disaster loans.

Those whose businesses were badly hurt by the flood and don't qualify for SBA aid will be able to apply for Red Cross assistance, according to Lee Krebs, manager of the Red Cross' county chapter, who also will attend.

SNELL SAID he received six or seven loan inquiries since Maricopa County was declared a disaster area eligible for 3 per cent loans. One man applied in person for information.

Jan. 4, 1966

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The Phoenix Gazette

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Lack Of Organization In Flood Aid Claimed

Command Post Need Declared

Lack of communication and coordination during the weekend flood was criticized today by the superintendent of Phoenix Union High School System, whose schools were used to house evacuated families.

Dr. Howard C. Seymour said that although "valiant service was rendered by thousands of people, and in general people were housed, fed and cared for . . . there are some soft spots, and I think we really ought to look at them as a community.

"FOR EXAMPLE, our schools got conflicting information or no information at all, although they were trying to do that which was expected of them.

"While the Red Cross was calling me to say that families would have to be held overnight in South Mountain and Phoenix Union high schools, the principals were calling me to say the National Guard had removed all the families."

He said that no one person or agency, to his knowledge, was solely in charge of coordinating rescue operations, "an absolute necessity in any chain of command.

"IT IS POSSIBLE the mayor or city manager's office should be so designated so instructions for schools could emanate from one point in case of another emergency."

The superintendent said requests for feeding operations should have come to his office instead of to principals or individual schools.

"The request for such services could then have been relayed out; I could have had everyone where they were needed, when they were needed; and much confusion could have been avoided.

"APPARENTLY WE have failed to impress those who work with us in the community on how the schools operate in an emergency such as this kind. This we will attempt to remedy.

"Another illustration is the failure to get needed medical help to our schools. The aged, young children, youngsters sick with measles, were brought in.

"Our nurses worked valiantly, but we had to call on the president of our board, Dr. Trevor Browne, an M.D., to intercede to get someone at Phoenix Union to care for the ill. Here, a procedure of organization may have been helpful.

"THIS RIVERBED flood did give us some opportunity to assess how well the community is able to really take care of these emergency conditions. I think we can learn from this what not to do and what to do.

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"THIS RIVERBED flood did give us some opportunity to assess how well the community is able to really take care of these emergency conditions. I think we can learn from this what not to do and what to do and we pledge our personnel and services to do so.

"The school's only interest is making sure it performs even better and in the interest of the total community. After all, these are the community's schools."

Jan 5, 1966

Emergency Aid Slows To Trickle

Emergency welfare aid to river flooding victims and migratory workers out of work because of recent heavy rains has ebbed to a trickle, Arizona Department of Public Welfare Commissioner John O. Graham said today.

"We still are handing out cash orders for rents, groceries, and gasoline in Pinal county. Farm workers in the Eloy-Stanfield area have been unable to return to the fields but are expected to next week if the weather remains dry," Graham said.

The commissioner said he will give a full report on costs of the emergency aid during the crisis, at a meeting of the statewide board next Thursday.

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Rep. G. O. Biles, D-Greenlee, House appropriations committee chairman, said today he has no plans to assemble his group for emergency action Monday morning in advance of the opening of the new session at noon.

Sen. Ben Arnold, D-Pinal, has announced that the similar committee he heads in the upper chamber will meet early Monday to whip through a bill to appropriate \$1 million for flood relief.

Biles said it is his view that no legal action can be taken until after the new session is convened formally.

He offered no comment as to what his attitude will be if the flood relief legislation sponsored by Arnold is passed by the Senate and sent to the House.

★ ★ ★

City Traffic Engineer Charles Haley today urged employees, if possible, to leave for and depart from their jobs 10 or 15 minutes earlier than usual.

This would help considerably

to relieve traffic congestion caused by the flood, Haley said.

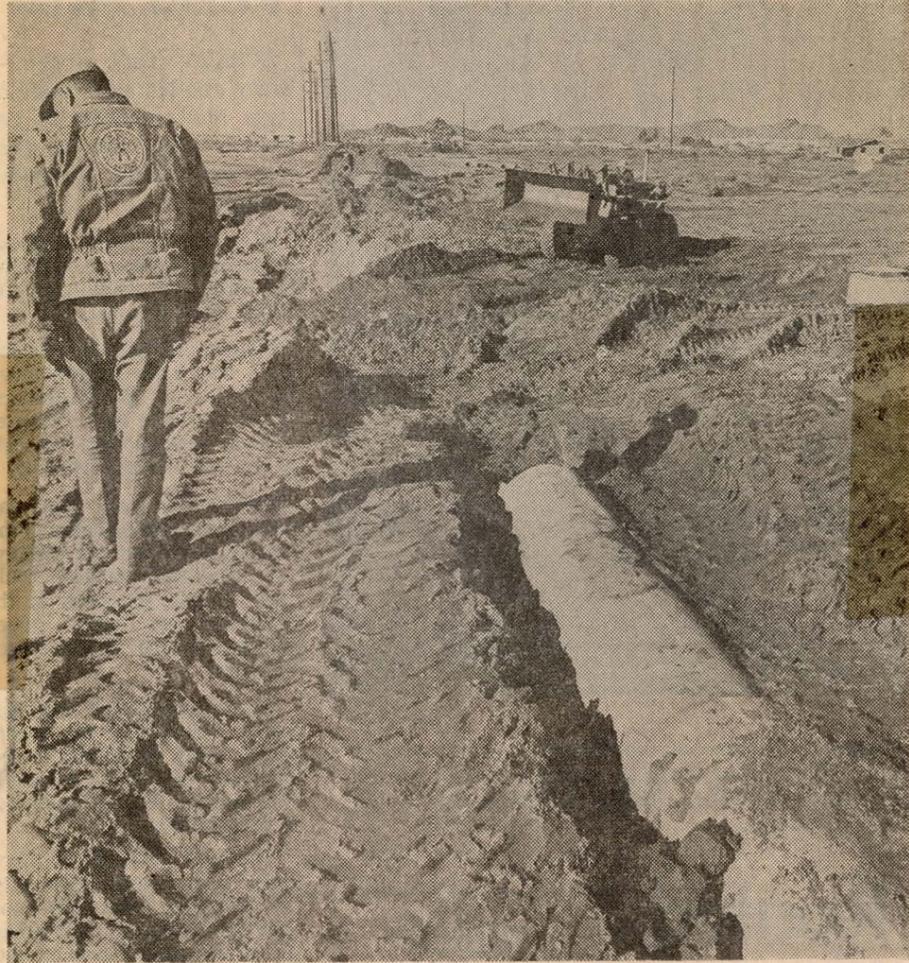
Haley said that traffic last night and this morning at the Central Avenue and Tempe bridges was the best since the flood crisis began.

He also urged more people to use the freeway entrances to and from Phoenix and Tempe.

Jan. 5, 1966

The Phoenix Gazette

PHOENIX, ARIZONA, WEDNESDAY AFTERNOON, JANUARY 5, 1966



Gazette Staff Photo

Scottsdale sewer ponds in the Salt River channel, damaged when the usually dry riverbed was flooded, are being repaired by city work crews.

Aid for Damages

Sunday Is Target Day For Ending Spillover

There will be no slackening in the release of water into the Salt River before Sunday evening at the earliest.

Rod J. McMullin, general manager of the Salt River Project, said today the rate of release will continue at 14,000 cubic feet per second, the rate at which the river has flowed through Phoenix for the last two days, until the project has 200,000 acre feet of unfilled capacity behind its system of dams.

THIS POINT should be reached by 6 p.m. Sunday, McMullin said. But, he said, calculations could be thrown off if there is more rain, if higher temperatures melt snow on the watershed or if an increase in runoff is caused by other related conditions.

After the storage room is achieved, the rate of water release from the dams on the Verde and Salt rivers will be matched to the rate of flow into the reservoirs, McMullin said. This is expected to be about 5,000 cubic feet per second.

AFTER A FLOOD conference called yesterday by Governor Goddard, the governor said he will hold off asking the President to declare Arizona a disaster area.

Goddard was told by the approximately 100 state, county, city and federal officials present that December floods in the state caused at least \$4½ million damage to publicly owned streets, highways and other facilities.

HOWEVER, THE governor said, "I think we're going to have to explore every possible

Phoenix countered that his city had suffered at least \$1.6 million in damages, and that "we don't have this kind of money; we don't know where it's coming from."

A Salt River Project spokesman said today, "we do not feel that it is our responsibility to provide the answer to the question of liability from floodwater damage."

Among other damage estimates presented at the governor's meeting were these:

- Maricopa County — \$2,020,810 to public property.
- Mesa — \$56,000, mostly to the sewage disposal system.
- Tempe — \$75,000.
- Scottsdale — \$10,000.
- State highways — \$898,678.
- Salt River Project facilities — \$241,000.

Goddard estimated Pima County damages at \$1.3 million; Graham County at \$100,000; Turn to **WATER** on Page 8

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Plans May Ease Bridge Traffic

Emergency measures to ease the flow of traffic between the center of Phoenix and South Phoenix, Tempe and other points south of the Salt River were announced today.

They include temporary restoration of the water-damaged South Central bridge, opening today of new exit-entrance points on the Maricopa Freeway and preparation of a plan to speed opening of one riverbed crossing as soon as the water flow in the Salt River subsides.

Meanwhile, Phoenix and Tempe traffic officials, concerned over the continuing bottlenecks in traffic movement between the two cities as a result of the flood, planned to direct rush-hour movement from the air today.

FROM 4 TO 6 p.m., a radio-equipped airplane carrying Charles E. Haley, Phoenix traffic engineer; Phoenix Police Capt. Robert Volden, and either Tempe Police Chief Worth Far-

cers was to fly traffic patrol. They planned to observe motor vehicle movements and give instructions to ground units by radio.

Tempe and Phoenix officials have worked out a joint plan to move traffic between the two cities via the new Maricopa Freeway access ramps to be opened today at 32nd Street.

THE EXIT ramp will provide eastbound motorists an alternate to the existing freeway exit at 40th Street, which now is creating an intolerable

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HOWEVER, THE governor said, "I think we're going to have to explore every possible avenue of paying our own way first."

He said state and local government units must commit at least \$750,000 for emergency repairs before federal help could be granted, and added that he would make no move for federal aid without more complete damage figures.

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For traffic going from Tempe Turn to ●BRIDGE on Page 8

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Sheriff's deputies today were still seeking a man "rescued" from atop a car stalled in the middle of Salt River during flooding.

Last Friday, Gary Hart, 23, was taken from a car at the Hayden Road crossing of the river. He was lifted safely to the bank by an Arizona National Guard helicopter.

HART TOLD deputies at the time that another man, whom he identified as Carl Pastorino, was with him and disappeared in the floodwaters as he attempted to swim to shore.

Today deputies said they could find no evidence that a Carl Pastorino ever existed.

THEY ALSO discovered that a warrant for Hart's arrest was outstanding on a charge of car theft. After the car from which Hart was rescued was pulled from the river, deputies found that it was reported stolen Dec. 30.

Capt. Ralph Edmundson of the sheriff's office said he doubted if there were a second man with Hart when the car stalled in the river.

Businessmen To Learn About Flood Loans

Gazette Scottsdale Bureau

SCOTTSDALE—Twenty-five businessmen in the Scottsdale Road and Salt River area, hard-hit by the river bottom flood, will meet at 8 p.m. today with Small Business Administration (SBA) officials and the Red Cross. The meeting will be at East Hayden Plaza in Radio Station KYND.

ROY SNELL, SBA loan specialist, said he will brief businessmen on how to make application for low-interest disaster loans.

Those whose businesses were badly hurt by the flood and don't qualify for SBA aid will be able to apply for Red Cross assistance, according to Lee Krebs, manager of the Red Cross' county chapter, who also will attend.

SNELL SAID he received six or seven loan inquiries since Maricopa County was declared a disaster area eligible for 3 per cent loans. One man applied in person for information.

Jan. 5, 1966

Health Warning Cites Garbage

Delays in the pickup of garbage and other refuse resulting from recent flood conditions will not ease regulations against dumping in unauthorized areas, the county health department said today.

"PERSONS WHO indiscriminately deposit rubbish in va-

cant lots and other areas will be subject to prosecution under provisions of the sanitary code and municipal regulations," Joseph Weinstein, environmental health director, said.

Property owners who permit such actions on their land

also are in violation of the law, he pointed out.

"CARELESS DISPOSAL of garbage is a public nuisance and, more important, a detriment to public health," Weinstein said. "There is no excuse for an individual to create a condition, regardless of

any emergency, which might prove harmful to his own health or that of his neighbors."

The health official said persons who encounter serious problems in the disposal of excess refuse should telephone the health department's sanitation division at 258-6381.

Republic
1-5-66

Officials Review Flood Damage Estimates



GOV. GODDARD
Wait And See



MAYOR GRAHAM
Taxes May Rise



CARL N. SMITH
Explains Law



SAMUEL LANFORD
County Roads Hit



JOHN LOWRY
"Could Be Worse"



LEON THOMPSON
Challenges SRP

Valley Residents Warned Floods Threat to Mid-May

By JOE COLE

"UNTIL mid-May, Phoenix should probably stay on standby alert for possible recurrence of Salt River flooding," Rod J. McMullin, Salt River Project general manager, suggested yesterday.

The Valley can expect a warning up to 24 hours but not more the next time the flooding occurs, said McMullin.

He spoke in defense of the Project's previous release of water at the governor's conference on flood damage.

He also spoke to dispel rumors that Roosevelt Dam could collapse.

"There is absolutely no danger to any of the dams," he declared.

McMULLIN took to the front center of the highway department auditorium and spent 20 minutes answering questions.

The flow of water from reservoirs on the Salt and Verde rivers may be reduced considerably at 6 p.m. Sunday, McMullin forecasted.

"That is, if all conditions remain the same, if the inflow declines as we figure it will, if the weather doesn't change—I want to make all these qualifications clear," McMullin added.

Maricopa County Flood Control District general manager, added that the 1891 flood in Phoenix was four times worse than the present one.

"And nothing has been done to prevent that happening again," Lowry continued.

State, county and city officials reported to Goddard that a total of \$4,490,705 in damages was done to public property in December floods in the state, based on preliminary estimates.

Maricopa County turned in an informal claim for \$2,020,810, led by \$1,614,810 that Mayor Graham termed a "conservative" estimate of damage to Phoenix municipal property.

THE PHOENIX damage was itemized by Graham at \$1.29 million for streets and roads, including \$250,000 to repair the Central bridge; \$228,000 for Sky Harbor Airport, \$54,100 for water lines, \$39,600 for sewage system damage, and \$3,200 for landfill damage.

Mayor Bert Brown of Mesa reported that his city suffered \$50,000 in sewage disposal system damage, and another \$6,000 damage elsewhere.

Tempe suffered approximately \$75,000 in damage, "a rough estimate," said Mayor John C. Moeur.

SCOTTSDALE officials reported approximately \$10,000 in damages.

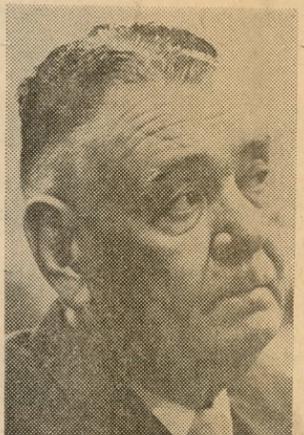
County Engineer Samuel Lanford estimated damage to county roads at \$250,000.

Goddard listed Pima County damages at \$1.3 million, Graham at \$100,000, Pinal at \$121,217, and Yuma County at \$40,000.

JUSTIN Herman, state highway director, estimated that it would take \$898,678 to repair destroyed state highways and roads.

McMullin, placed damage to Salt River Project at \$241,000.

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THE RELEASE of water beginning last Thursday was "necessary and unavoidable," McMullin responded to implied allegations by Reps. Leon Thompson and Cloves Campbell, both Maricopa Democrats, that the water could have been released earlier and more slowly.

"We took every action as soon as conditions indicated action should be taken," McMullin stated. "There was no guesswork."

James Ligner, U.S. Geological Survey water expert from Tucson, backed McMullin with a statement that darkened the faces of conference attendants.

"It's not historically unreasonable to expect that things three, four, five times worse can happen," Ligner commented.

"In fact, you should count on it," he added.

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\$15,361-394 Year End Total —

Tempe Daily

1965 Was Up And Down Year For Building Locally



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Bill Dooley photo

Monthly Figures Varied

Final Figures Rank As Fourth Best Here

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Those final totals for 1965, plus the monthly report for December, both were issued today by C.C. Rivers, city building inspection director, and they show:

1—For the entire year the city Building Inspector's department staff approved a total of 1,295 jobs with an overall evaluation of \$15,361,394, the fourth best year in city history.

2—During December the corresponding figures were 65 new construction starts worth \$696,935, an evaluation total that proved to be the third lowest monthly figure during the year.

But the real story of building, 1965 style, was not so much the final figures for that 365 day period as the developments during the year.

And those highlights included:

—The over two months long strike-lockout situation in the construction field resulting in sub par evaluation figures in June and July, usually two of the best months for new work starts, according to Rivers' historical records.

—Issuing of permits for the first time on jobs which were city projects. This included the \$2,915,890 water treatment plant and the \$245,000 swimming pool at McClintock High school. Not included however, are several million dollars worth of construction at Arizona State University.

—Unexpected rises and sharp declines from month to month in the final evaluation figures with the biggest being a plunge of nearly \$3-million between the final figures for May and the corresponding ones for June.

—An all time one month record evaluation figure, \$3,260,361, achieved in May, primarily because of the water treatment plant job.

—And matching lows such as the meager 11 single family residential unit starts in June,

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Project Dams Twice Checked Flash Runoff From Up-River Watershed, McMullin Asserts

SRP responsibility for down-river flooding of the Salt river was disclaimed by the project's general manager, Rod J. McMullin.

The Salt River Project not only did not "cause" the flood, but actually it served to hold damage down to less than it might have been, even though flood control is not a function of SRP, McMullin contended.

As a matter of fact, within the period since December 20, two floods occurred. Without the modifying effect obtained by the presence and management of the SRP dams, each of the two onrushes of water would

have been greater and more disastrous than was the 75,000 cubic feet per second flow permitted over the New Year's weekend.

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Continued on Page 4

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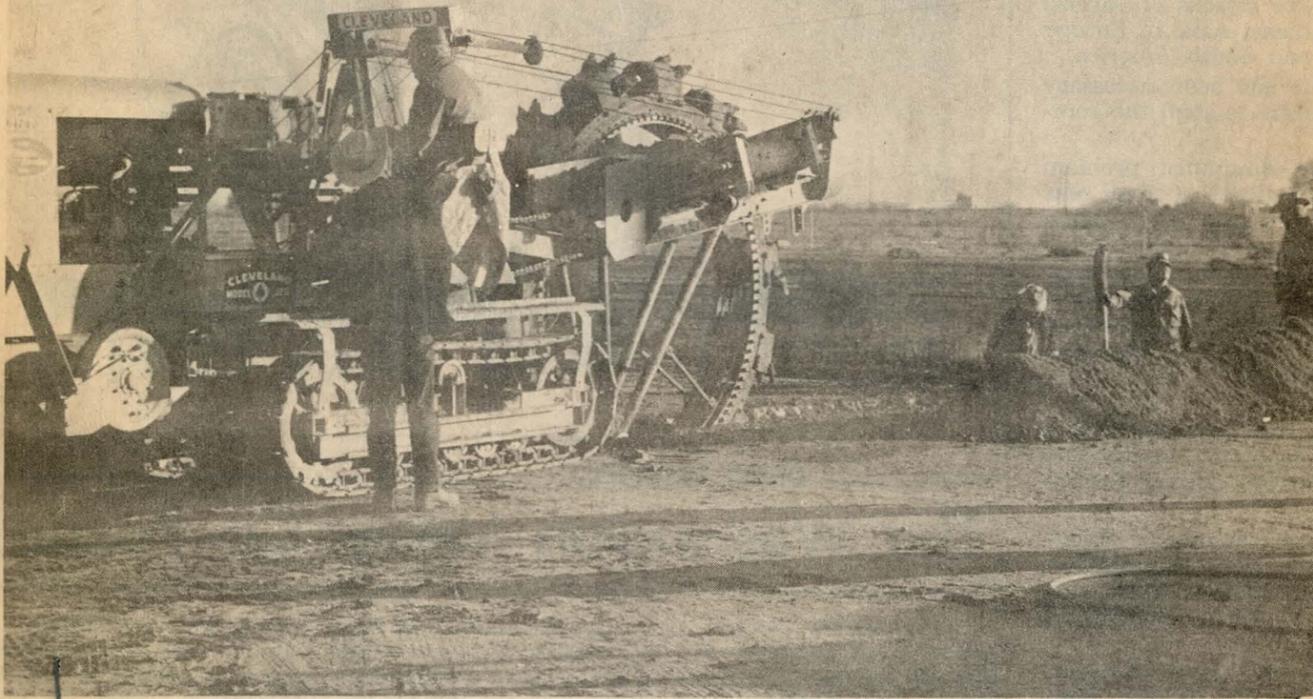
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Robert Evans, owner of Cyr & Evans, contractors, questioned the actions of the Salt River Project regarding release of water. His firm suffered financial loss when a sand-gravel stockpile washed away.

Meanwhile, a one-hour discussion forum is scheduled for 3 p.m., Sunday, over Radio KYND. SRP officials will be invited to participate. The radio station was one of the victims.

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(Continued on Page 4)

Phil. Lockett

Emergency Flood Repairs Ordered

1-11-66

In a three-hour session, the Phoenix City Council authorized \$340,000 in emergency flood repairs, picked a landfill site and approved a \$9,750 survey of a proposed convention center and auditorium.

Work will begin tomorrow on these facilities damaged by the Salt River flood: restore the partially collapsed west span of the South Central Avenue bridge (cost \$150,000); construct culverts and restore 16th Street without pavement (cost \$115,000); build culverts and restore 19th Avenue without pavement (\$66,000); repair the sanitary sewer main at 19th Avenue (\$9,600).

DURING THE 18-day river dry-up scheduled by the Salt River Project, Seventh Street

and Seventh Avenue will be opened temporarily to take traffic detoured during repair of the Central Avenue bridge, City Manager Robert Coop said.

Spillway gates were closed last night on Stewart Mountain Dam, on the Salt River, and on Bartlett Dam, on the Verde. It will be tomorrow evening before water stops flowing over Granite Reef Diversion Dam, and another day or two before the riverbed is dry enough for construction work.

EFFECT OF THE water cutoff could be seen at mid-morning today at the Country Club Drive crossing in Mesa. Where three major channels had been slashed by water running across the roadbed, only one still had water in it.

Highway department crews were building an earth dike upstream from the crossing, to divert water into culverts which were left intact by the high water. Construction of a temporary roadbed to reopen the route to traffic will require another week to 10 days, provided there is no further water release upstream, it was estimated.

THE COUNCIL selected a site for a sanitary landfill, but it may not be able to obtain it. Despite strenuous objections from members of the Deer Valley Land Owners Association, the council voted to purchase 640 acres of state-owned land eight miles northwest of Phoenix in an area known as Middle Mountain.

However, Obed M. Lassen, state land commissioner, said the state won't sell the land unless the city obtains the grazing lease from the owner, Robert Lockett, owner of Lockett Ranches. His attorney, James Hill, told the council that Lock-

ett is "unalterably opposed" to the landfill site because he feels it would seriously impair his cattle operation.

MAYOR MILTON Graham said Lockett pays the state \$21.10 a year rent on the 640 acres, whereas the city would pay about \$300,000 for the land. "It would be in the best interest of the taxpayers of the state and of the City of Phoenix for the state to sell this property," Graham said.

Other objectors included landholders represented by attorney Edward (Bud) Jacobson. He represented an appraiser, Larry Burke, who said a landfill might decrease the value of surrounding property by \$60,000 to \$200,000.

But Alfred Rasor, an appraiser for the city, said a landfill could be developed into a golf course and thereby actually enhance the value of surrounding property.

THE COUNCIL last night also voted to hire Stanford Research Institute of Menlo Park, Calif., to recommend what type of convention center and auditorium Phoenix needs, define the area in which it should be located and report on the convention business the city can expect from such a facility.

In other action, the council decided to pay \$84,000 for five acres of land and improvements from the Arizona Biochemical Co. on the northwest corner of 22nd Avenue and Lower Buckeye Road. The land is needed for expansion of the adjacent 23rd Avenue sewage treatment plant and for a buffer zone for the city's fire department training grounds, said John Williams, city finance director.

CONTROL SOUGHT

Lakes Up Some; Gates Closed Yet

Lakes on the Salt and Verde rivers were making slight gains in storage today after release operations had attained an "open storage" total of 265,000 acre-feet for some control of any increase in runoff.

Gates of the lower dams, Stewart Mountain on the Salt and Bartlett on the Verde, continue closed, although about 5,000 second-feet of water was downstream at Granite Reef Diversion Dam from earlier releases.

Operations plans of the Salt River Project are to permit storage gains again during the slow runoff, but maintain open capacity at around 200,000 acre-feet. Inflow at 8 a.m. today was 3,221 second-feet for the system.

Lake Pleasant of the Beardley Project, northwest of Phoenix, had filled to capacity today. It holds 158,000 acre-feet. Officials said inflow had dropped to 144 second-feet, but that releases to canals from Lake Pleasant and its diversion reservoir below were being made at around 1,000 acre-feet a day, an amount that the canals will handle.



DISCUSS DISASTER — Members of the Tempe branch of the Maricopa County chapter of the American Red Cross heard latest reports on recent local flood situation at regular monthly breakfast meeting yesterday (Wednesday) held at Harman's restaurant. Pictured are (l to r) Joe Spracale, disaster chairman; Mrs. Charles Hoyt, chairman of volunteer workers; and Mrs. Nancy Schroeter, first aid chairman. Bill Dooley photo

Appraisal Of Flood Disaster Help Made By Tempe Red Cross Branch

The role of the Tempe Branch of the Maricopa County chapter of the American Red Cross during the recent flooding and high water in the Valley was reported on Wednesday morning at the regular monthly meeting of the local branch, held at Harman's Ranch Restaurant.

Joe Spracale, branch disaster chairman, gave the report which covered the activities of his committee and the work of Mrs. Nancy McCluney, case worker for the Red Cross. He reported that the National Guard armory was opened and used as a relief headquarters for the stricken families.

Flood damage was centered in the North Tempe area off of Princess Road and Mary drive, where eight families, consisting of 39 persons were evacuated when flood waters reached their homes with a depth of from six inches to two and a half feet. All eight of the families were helped.

Emergency assistance has been authorized totaling \$1058 for lodging, food, laundry and cleaning supplies, clothing, shoes and bedding. One home was looted after the family had been evacuated. Four of the

cases have been closed as no further needs are indicated, while four others have applied for rehabilitation assistance with household furnishings at an estimated amount of \$325.

Lee Krebs, Chapter Manager, reported that county-wide there were 45 families whose homes were damaged by the high waters of the Salt River. He stated that many people volunteered their services to the Red Cross during the emergency period, and, although all of them were not needed, the officials of the Red Cross wish to express their heartfelt thanks for the many offers of help.

Several other reports were also given at the meeting of the local branch, which was conducted by Bruce Harper, chairman.

Mrs. Charles Hoyt, chairman of the Red Cross Volunteer Workers, reported that during the month of December the workers put in 230 hours of volunteer work at the Arizona State Tuberculosis Sanatorium north of Tempe, and in south Phoenix at the time of flood crisis, and a Christmas party was given at the hospital by the Kappa Delta sorority at Arizona State University which participates in the volunteer program. Mrs. Hoyt reported that a meeting of the workers was held Tuesday at the sanatorium. The group also assists at the clinic held at the sanatorium the second Friday of each month and at the maternity clinic held in Chandler on

the second and fourth Wednesdays.

She also reported that a recruitment program is underway to secure more volunteer workers to assist at the sanatorium through this program. Workers are given a six hour orientation at the Chapter headquarters before assuming their duties, which consists of non-professional tasks for the patients, staff and visitors to the hospital.

Plans are being made to coordinate first aid classes at the local fire and police departments and through community groups, it was announced by Mrs. Thomas Schroeter, first aid chairman for the local branch. Primary need of the program at the present time is for more instructors, and she asked that all persons qualified to teach one of the first aid courses to volunteer their services through her.

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Harper read a report which was submitted by Steve Forister, chairman of the water safety program, who reported on the swim classes conducted last summer, during which 1960 hours of volunteer work were contributed. Here again, he reported, was the need for instructors as only thirteen of the 43 qualified instructors in the Tempe area participated in the program during 1965.

A committee meeting was held recently during which the future of the water safety program was discussed. All available facilities will be solicited for use in the classes in Tempe, and a group was appointed to devise a formal program of instruction suitable for publication. All qualified instructors in the area are urged to participate in the program in 1966.

Announcement was made of a

TRADITIONAL
Keepsake
WEDDING SETS

Harve's Watch Shop
JEWELRY . . . GIFTS
518 Mill Avenue



DISCUSS DISASTER — Members of the Tempe branch of the Maricopa County chapter of the American Red Cross heard latest reports on recent local flood situation at regular monthly breakfast meeting yesterday (Wednesday) held at Harman's restaurant. Pictured are (l to r) Joe Spracale, disaster chairman; Mrs. Charles Hoyt, chairman of volunteer workers; and Mrs. Nancy Schroeter, first aid chairman. Bill Dooley photo

Appraisal Of Flood Disaster Help Made By Tempe Red Cross Branch

The role of the Tempe Branch of the Maricopa County chapter of the American Red Cross during the recent flooding and high water in the Valley was reported on Wednesday morning at the regular monthly meeting of the local branch, held at Harman's Ranch Restaurant.

Joe Spracale, branch disaster chairman, gave the report which covered the activities of his committee and the work of Mrs. Nancy McCluney, case worker for the Red Cross. He reported that the National Guard armory was opened and used as a relief headquarters for the stricken families.

Flood damage was centered in the North Tempe area off of Princess Road and Mary drive, where eight families, consisting of 39 persons were evacuated when flood waters reached their homes with a depth of from six inches to two and a half feet. All eight of the families were helped.

Emergency assistance has been authorized totaling \$1058 for lodging, food, laundry and cleaning supplies, clothing, shoes and bedding. One home was looted after the family had been evacuated. Four of the

cases have been closed as no further needs are indicated, while four others have applied for rehabilitation assistance with household furnishings at an estimated amount of \$325.

Lee Krebs, Chapter Manager, reported that county-wide there were 45 families whose homes were damaged by the high waters of the Salt River. He stated that many people volunteered their services to the Red Cross during the emergency period, and, although all of them were not needed, the officials of the Red Cross wish to express their heartfelt thanks for the many offers of help.

Several other reports were also given at the meeting of the local branch, which was conducted by Bruce Harper, chairman.

Mrs. Charles Hoyt, chairman of the Red Cross Volunteer Workers, reported that during the month of December the workers put in 230 hours of volunteer work at the Arizona State Tuberculosis Sanatorium north of Tempe, and in south Phoenix at the time of flood crisis, and a Christmas party was given at the hospital by the Kappa Delta sorority at Arizona State University which participates in the volunteer program. Mrs. Hoyt reported that a meeting of the workers was held Tuesday at the sanatorium. The group also assists at the clinic held at the sanatorium the second Friday of each month and at the maternity clinic held in Chandler on

the second and fourth Wednesdays.

She also reported that a recruitment program is underway to secure more volunteer workers to assist at the sanatorium through this program. Workers are given a six hour orientation at the Chapter headquarters before assuming their duties, which consists of non-professional tasks for the patients, staff and visitors to the hospital.

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Announcement was made of a disaster workshop which will be held on February 2 at the chapter headquarters in Phoenix, during which all persons in the county who have any connection with this area of the program or who are interested in the work are asked to attend.

TRADITIONAL
Keepsake
WEDDING SETS

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1-13-66

Farm Flood Aid Is Sought In Four Arizona Counties

\$716,000 From U.S. Fund Asked

Four Arizona counties were recommended today for federal disaster funds to repair flood damage to farms.

The U.S. Department of Agriculture (USDA) State Disaster Committee urged that \$716,000 be allocated from USDA emergency funds for repair and rehabilitation to farms in Graham, Greenlee, Gila and Pinal counties.

THE FUNDS are set aside to put farm lands back into production after extensive damage by flood, earthquake or other natural disaster.

Dr. George E. Hull of Tucson, extension director for Arizona; George Freestone of Phoenix, state director of Farmers Home Administration, Phoenix; and O. W. (Bill) Rugg of Casa Grande, state chairman of the Arizona Agricultural Stabilization and Conservation Service (ASCS), make up the USDA State Disaster Committee. It evaluated the reports on flood damage to farms and recommended disaster designation to the secretary of agriculture.

Steve Faltis, state executive director of the Soil Conservation Service (SCS) said emergency funds are sought for the grading of farm land eroded by flood waters, restoring of dikes, concrete and dirt ditches of irrigated lands and the re-leveling of irrigated lands, channel repairs and reconstruction of fences on crop and range lands.

PIMA, SANTA CRUZ and YAVAPAI committees found flood damage but decided that it was not necessary to ask for the emergency Agricultural Conservation Program (ACP) funds at this time, Faltis stated.

While there was flood damage to crop and range lands in other counties, the studies by local committees indicated that farmers and ranchers will be able to handle the repairs on their own or through use of regular ACP funds.

Faltis said that about \$1.5 million a year has been made available for the regular crop and range land improvements in which farmers put up about equal amounts of funds. When emergency funds are made available under disaster programs, the government assumes a major portion of costs, expected to be around 80 per cent.



Gazette Staff Photo by Ziggy Ziegler

City work crews knock out damaged pavement on west span of the Central Avenue bridge over Salt River. After repair work to structure, 150 feet of the span will be resurfaced. Undamaged east span is still open to two-way traffic.

IF FLOW STOPS

2-Week Time Set To Fix Crossings

If the Salt River stops flowing, temporary traffic crossings will be completed by tonight at Seventh Street and Seventh Avenue and two more crossings, at 19th Avenue and 16th Street, will be constructed in the next two weeks.

"The river is not going down as fast as we hoped," Fred Glendening, city public works director, said. "But we still believe we can complete temporary roads for traffic at Seventh Street and Seventh Avenue by tonight. Remember, though, these crossings will be washed out again when a dry-up period ends in two weeks and water is once more released into the river."

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BY THEN, however, the city expects to have completed culvert crossings at 19th Avenue and 16th Street.

The culverts will be designed to handle 13,000 cubic feet per second of water. This would be about one-sixth of the 80,000 cubic feet which flowed down the river Dec. 31, causing considerable damage to roads and other installations in the riverbed.

CITY CREWS and equipment are working on the approaches at all four crossings. They also were working beneath the collapsed 150 feet of the west span of the South Central bridge. The undamaged east side of the bridge is carrying traffic.

At times during the bridge repair, Glendening said, traffic will be stopped entirely on the bridge and motorists must detour to the temporary crossings at Seventh Avenue and Seventh Street.

THE CITY also is concerned about how best to keep water off the south runway of Sky Harbor Airport in the vicinity of 40th Street, Edward M. Hall, streets improvement administrator, said.

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Glendening said construction crews still are encountering a problem from the flow of released water. A Salt River Project spokesman said the Salt River should stop flowing in the Phoenix area. The Project stopped releasing water from Stewart Mountain and Bartlett dams Monday night.

At Granite Reef Dam on Salt River northeast of Mesa, a helicopter was used to lift cement being poured into a 50-foot section of the diversion structure damaged during the recent spilling of high water.

Gas

(Continued from page 1)

being laid as a precautionary measure to assure dependable service, the company announced. The existing line had been buried 12 feet below the level of the river bottom as it existed when the line was installed. When the water receded, it was found that the swift current had cut a new channel so deep it left the gas main exposed in several places.

Company engineers believe the old line could not withstand buffeting from a repetition of heavy flow of water such as occurred between December 31 and January 10.

The two draglines began excavation for the new line Thursday, but with need to get the line completed within the period of the 18-day dry-up, decision was made to go on the "around-the-clock" schedule today. Originally, plans called for burying the new line 30 feet below the river-bed, but seepage of water into the excavation yesterday indicated 25 feet as a more practical depth.

The trench is from 30 to 35 feet wide, and is expected to take nine days to complete. The draglines moved to the middle of the river and began working in opposite directions, one toward the north bank, the other toward the south.

APS crews were scheduled to begin welding sections of the 10-inch pipe together during the weekend. As soon as sufficient length of trench has been opened, cranes will lower the pipe into the excavation. At 30-foot intervals, 3,000-pound concrete weights will be attached to the pipe to help keep the line in place if river currents ever reach it. The concrete will increase the total weight of the line five times.

An almost identical project is underway across the Salt River bed at 48th street, but the trench there requires a length of only 1,000 feet and only one dragline is being used there. The project is to replace the pipe ruptured by the river current after the water uncovered it. The company hopes also to have the 48th street line in service before water is released into the river again.

Two New Gas Mains To Go Under Water

Tempe Daily News 1-15
Two draglines which had been assigned the job of digging a 3,000-foot trench across the Salt River bottom at Hayden road went on an "around the clock" operating schedule today.

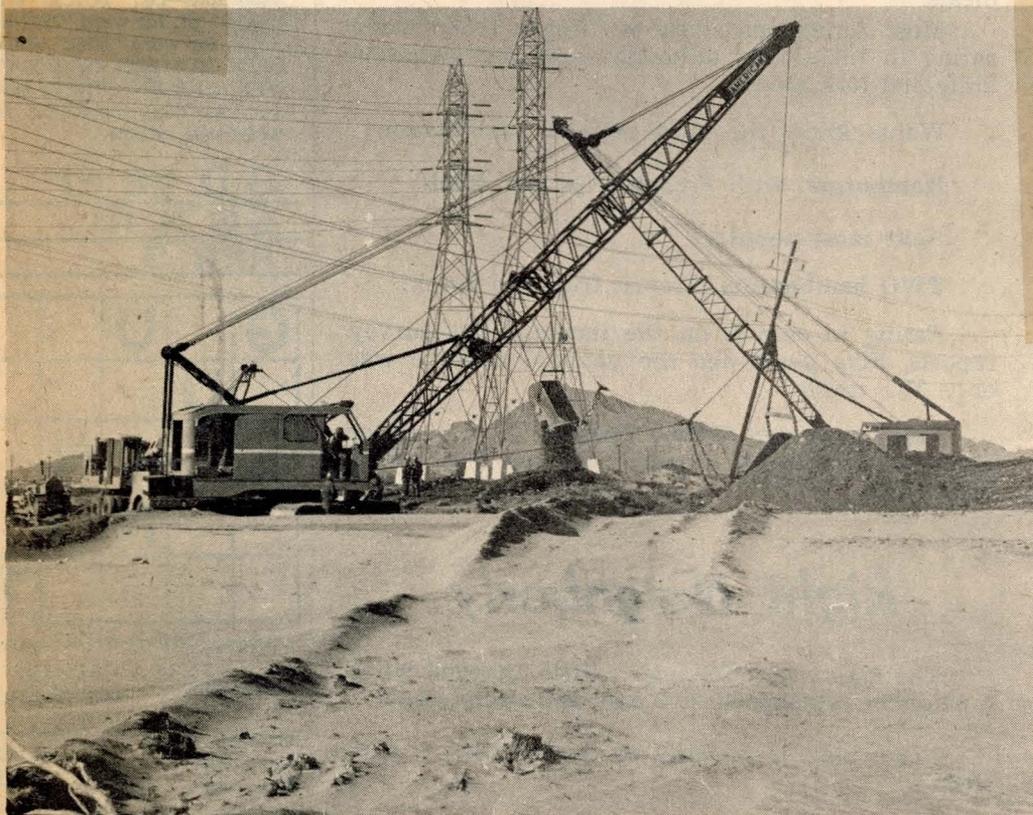
The big machines will work continuously until the work of installing a new 10-inch natural gas main is completed, Arizona Public Service company announced this morning.

The main will be installed 45 feet east of the present four-

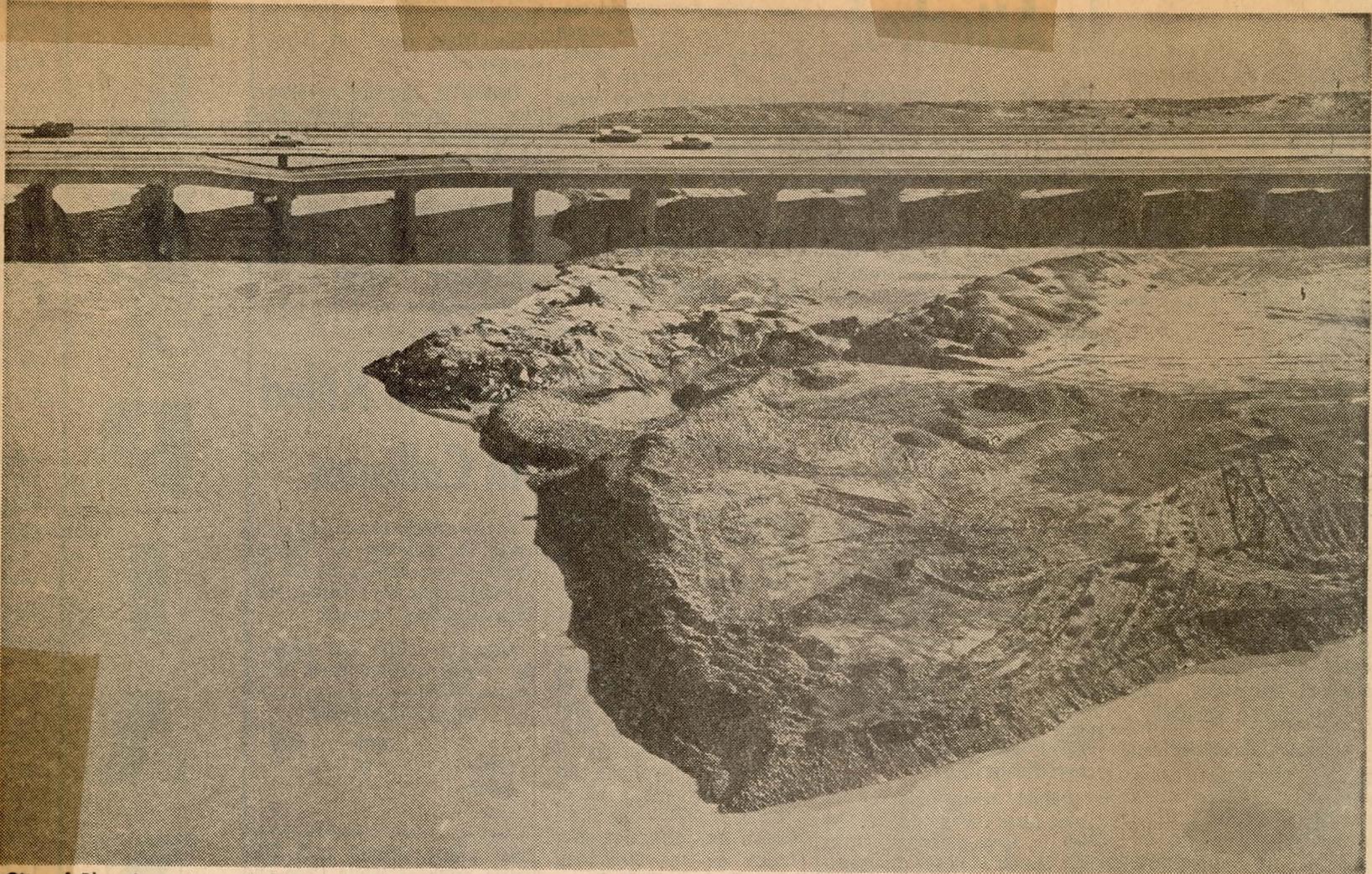
year-old 10-inch main which came into the news two weeks ago when three other APS mains were lost during the flooding of the Salt River bottom.

Although the existing line at the Hayden road crossing held up during the high water period, proving a vital factor in the supply of gas service to Scottsdale and an area of north-east Phoenix, the new line is

(Continued on page 4)



RESTORING 48th MAIN — Uprooted and ruptured by swift current in the Salt River during the December 31-January 10 runoff, the 48th street APS gas main will be relaid in the 1000-foot trench being dug by this dragline. Two other draglines are working around the clock to install an entirely new 10-inch main at the Hayden road crossing.



City of Phoenix engineers believe picture proves material deposited by gravel firm diverted flow of Salt River and caused weakening of piers and collapse of the roadway on the west span of South Central Avenue bridge. City will ask for court order requiring the gravel firm to remove material.

Temporary Crossings Will Open

A temporary crossing for motorists will be opened at Seventh Street tomorrow night, and another at Seventh Avenue will be opened Sunday night.

Fred Glendening, public works director, said the Seventh Street crossing will carry one lane of cars each way, and Seventh Avenue will carry two lanes each way.

THE SEVENTH Street crossing will be primitive, but strong enough to carry traffic, he said.

"The residue of water at both crossings is making it difficult for our crews to work there," said Glendening. "We also have the problem of placing three sections of heavy pipe at each crossing to permit passage of water."

When the dry up of the river ends in two weeks, the Seventh Street and Seventh Avenue temporary crossings will be abandoned. But they will be replaced by more permanent crossings at 19th Avenue and 16th Street, Glendening said.

CROSSINGS NOW in use are the east span of the South Central bridge, the Maricopa Freeway and the Tempe bridge. The Salt River flood washed out eight other crossings.

City crews are at work at Seventh Avenue, Seventh Street, 19th Avenue and 16th Street.

Phil Hayette 1-14-66

Storm-Sewer Blast Injures 2 Workers

Two Salt River Project employees were seriously burned today in a gas explosion at the bottom of 15-foot-deep storm sewer excavation at Seventh

Street and Bethany Home Road.

C. R. (Chuck) Wooden, 37, of Peoria, and Jack Fox, 24, of 8545 E. Thornwood, Scottsdale, were taken by ambulance to Good Samaritan Hospital.

The explosion was heard two blocks away, officers said.

DALE BURK, 25, of 3616 E. Turney, was the third man in the excavation. He said structural cement forms separated him from the other two men.

A fourth laborer, Ignascio Mesa, 20, of 3401 E. Windsor, said he was standing on the piled-up dirt, looking down into the hole.

"I heard an explosion, felt the heat and turned around and saw Chuck on fire," Mesa said.

MESA'S eyebrows and sideburns were singed. Burk and Mesa were taken to St. Joseph's Hospital and dismissed after treatment.

Floyd Wright, Salt River Project superintendent on the job, said the men were strip-



IGNASCIO MESA

ping concrete structural forms from a new "irrigation turnout" structure.

An official at the scene said the explosion was believed to have been touched off by a spark in accumulated gas at the bottom of the hole.

SRP May Get Flood Aid If Legislature Passes Bill

BULLETIN

A bill to increase the \$30,000 state emergency fund to \$750,000 was passed in the senate today over heated objections from some members that it would give the governor "a blank check." The vote was 24 to 3.

The Salt River Project, which controlled release of water that caused recent riverbed flooding, apparently would be eligible for emergency flood aid under a bill being considered today in the Arizona Senate.

Some senators questioned whether the Salt River Project should be eligible for state aid and this point touched off a lengthy discussion during a hearing on the bill.

THE PROJECT, which had responsibility for releasing water from behind dams on the Verde and Salt rivers, constitutionally has the legal status of a municipality. Some senators believe this would make the project eligible for flood-damage funds—putting the project in the position of being responsible for release of water that caused flooding and then collecting state and/or federal aid from the resulting damages.

A bill favored by Governor Goddard and backed by a majority of senators calls for increasing the state emergency fund from \$30,000 to a new level of \$750,000—the amount required to be spent in one year for eligibility for receiving federal disaster funds.

SEN. ROBERT Hathaway, D-Santa Cruz, said he is for the proposal and believes it should be pushed through the legislature speedily. However, it questioned the propriety of giving state and federal disaster relief funds to the project.

"I think that if there is any way to do it we should exclude the project from the bill," Hathaway observed.

Sen. Harold C. Giss, D-Yuma, majority leader, joined Sen. Ben Arnold, D-Pinal, head of the appropriations committee, and Sen. Glenn Blansett, D-Navajo, chairman of the counties and municipalities committee, in disagreeing with this view.

ALSO DISAGREEING was Sen. George Peck, D-Maricopa, who said: "We should not attempt to prevent the governor or anyone else from spending this emergency money in any way required. If we try to do this we might as well kill the whole bill."

But Sen. Edward Kennedy,

D-Pima, joined with Hathaway in questioning tax assistance to the project in this regard.

Kennedy said there has been a long-standing battle between the privately operated Arizona

Public Service and the Salt River Project over such matters as taxation.

"**IF THE** project needs emergency money it can go before the corporation commission and request rate increases," he said. "Including the project in this bill would only stir up another storm."

Hathaway entered into discussion again by commenting: "It is not the state's responsibility to take care of project damage. We tried to tax the project, and they came in with a voluntary tax, but it was little enough."

Senator Giss indicated the matter was of no great importance.

"**WHAT SOME** are overlooking," he said, "is that every dollar spent within a year by any governmental agency counts toward the minimum of \$750,000 needed for federal aid. This means that money spent by the project counts toward state credit. It could be that the state would never spend a dollar for the project. It is also possible that very little of the \$750,000 asked in the bill would be spent through the governor's office, since counties, cities and other agencies would make their contributions."

Originally intended to be rushed to senate passage the first day of the session, the bill was sidetracked for a short time again this morning when Giss objected to it being pushed through Blansett's committee before it had been assigned formally by the senate president.

Emergency Fund Measure Introduced in Senate

Mesa Tribune
1-18-66

PHOENIX (AP)—The Senate Appropriations Committee introduced a bill Monday to raise the governor's emergency fund from \$30,000 to \$750,000.

In the bill is a clause making it retroactive 120 days, which would make the measure applicable to the December floods in Arizona.

The bill would allow the governor to expend money from the general fund for major disasters or other emergencies.

Sen. Edward Kennedy, D-Pima, introduced a bill directing the State Board of Health to develop standards for the quality of air. The antismog measure would allow the State Highway Commission to adopt regulations for controlling exhaust fumes from automobiles.

Every 1967 or later model motor vehicle sold in Arizona would have to be equipped with a certified device to control exhaust fumes.

The Appropriations Committee also introduced a bill to appropriate \$369,000 to the National Guard for a new headquarters and administration building in Papago Park in Phoenix.

Another bill from the same committee would make the state examiner the federal-state liaison officer. He would be charged with conferring with

federal officials and agencies concerning grants to counties and school districts. The examiner would report to the federal government and legislature annually on the status of federal grants.

The bill would boost the examiner's salary \$3,600 per year from the current \$12,000.

Other measures introduced today in the Senate would:

Make a \$270,136 appropriation to the Board of Directors of State Institutions for Juveniles. Most of the money would go for the care of girl juvenile offenders and for psychotherapy treatment.

Appropriate \$25,000 for the State Tuberculosis Sanatorium for the current fiscal year's operations.

Memorialize Congress in opposition to the Dodd Bill or any other federal legislation relating to the regulation and registration of mail order firearms sales.

In the House, bills were introduced to:

Require at least a nine-month school year.

Permit the use of fireworks to disperse wildlife from farm lands.

Authorize the governor to transfer State Hospital Land to Maricopa County for construction of a county hospital.

Senate OK Due for Flood Emergency Fund Bill Today

Mesa Tribune
1-18-66

PHOENIX (AP)—Senate passage was expected today for a bill to increase the governor's emergency fund from \$30,000 to \$750,000.

Four committees gave quick approval to the bill with only one minor amendment.

The Senate Judiciary Committee amended the bill to make sure that it would take in any type of major disaster which might strike in Arizona.

The Senate majority then caucused and leaders said they would begin debate on the bill around noon.

Earlier this morning at a meeting of the Counties and

Municipalities Committee, there was some debate over whether the Salt River Project should be included as eligible for state aid.

Sen. Robert Hathaway, D-Santa Cruz, said he didn't think the project should be included. Sen. Edward Kennedy, D-Pima, agreed and said he couldn't see the need to protect an organization which competes with other public utility companies.

"If they had an emergency, they could simply apply to the Corporation Commission to increase their rates and make up deficits," Kennedy said.

Sen. George Peck, D-Maricopa, said the bill should be left as is and should include the project because it is owned by the people of the state.

"I can't see any foundation for excluding them," Peck said.

The bill is written so that it provides state aid for "political subdivisions" of the state. The Salt River Project is considered a "political subdivision."

Peck said he feels the legislature should not "tell the governor how to spend the money."

The senators objecting to inclusion of the project appeared to agree with Peck.

Hathaway said that although he would like to see a change, he would hesitate to suggest an amendment because it could cause a hitch.

Phx. Gazette
1-18-66

Coop Lists 'Challenges' Facing City

This is the year of decision during which Phoenicians must face up to six major challenges, City Manager Robert Coop said today.

"All of these challenges must be met if Phoenix is to continue its dynamic and orderly growth," Coop told members of the Phoenix Kiwanis Club meeting at the Hotel Westward Ho.

"**THEY SHOULD NOT** be viewed in the light as problems inasmuch as they should be regarded as opportunities to make our town a better place in which to live," said the city manager.

"These areas of concern to Phoenix and all Phoenicians," said Coop, are:

(1) Passage of a sane and reasonable housing code to meet minimum standards of health and safety in existing housing. "Nearly every major city in the United States has one."

(2) City council formation of neighborhood paving districts to reduce dust and smog and improve the values and appearance of the neighborhoods.

(3) The beginning of a convention center and auditorium and revitalization of the downtown area.

(4) A favorable vote in the March 8 flood control bond election. "The city's plans in the Salt River bed for bridges and other crossings depend on the outcome of the election."

(5) Urban beautification. "This includes a wide range such as sign control, landscaping, street cleaning and attention to the city's general appearance."

(6) Federal approval of the Papago East Freeway as a necessary step to relieve increasing traffic congestion on present east-west arterials.

Some House Chiefs Unhappy About Emergency Fund Bill

PHOENIX (AP) — A bill to increase the governor's emergency fund from \$30,000 to \$750,000 was dumped in the lap of the Arizona House today, and some leaders of the lower chamber weren't too happy about it.

The Senate passed the measure 24-3 Tuesday afternoon after an hour's debate.

This came only one day after the bill was introduced and the measure had whipped through four committees with only one minor amendment.

House Speaker Jack Gilbert, D-Cochise, made it clear he was unhappy the bill was rushed through without consultation on it between the two chambers.

He said last week the houses had agreed to discuss major bills before passage by either house to iron out any major conflicts.

House Majority Leader John Haugh, R-Pima, said it would be 10 days or so before the bill can clear committees in the lower chamber.

House Appropriations Committee Chairman G. O. Biles, D-Greenlee, said the Senate's hasty action could result in a longer over-all period before any such bill can become law. He said his committee will "check it out" thoroughly.

Voting against the bill in the Senate were Sens. C. B. Smith, D-Santa Cruz; John Conlan, R-Maricopa, and Ray Thompson, D-Yuma.

Thompson was the most critical of the measure in Tuesday's debate. He argued most of the destruction by recent floods in Arizona was caused because of construction in river beds. He said the state taxpayers should not have to pay for reconstruction of facilities which were put in such locations.

Senate Majority Leader Har-

old Giss, D-Yuma, fielded most of the questions on the bill and was chief spokesman for it. He said it would enable the state to qualify for federal aid in any future disaster, and would give the governor grounds for asking for federal help in repairing damage from the floods.

With the flood relief bill out of the way, the Senate turned its attention today to other legislation.

The Senate Judiciary Committee introduced bills to allow the use of temporary judges in Maricopa County to help clear up a backlog of superior court cases. Arizona Supreme Court Chief Justice Fred Struckmeyer suggested the use of such judges.

In the House, the governor's bill to reform the state fiscal system was introduced today by the State Government Committee. The same bill was introduced earlier this week in the Senate.

House committees plan to concentrate on passage of this bill.

A public hearing on this measure and another bill introduced last week is set for Friday in the House.

THE SUPERINTENDENT SAYS:

Gazette - 1-21-66
**Red Cross Pays
For Flood Food**

By HOWARD C. SEYMOUR
Superintendent, Phoenix Union
High School System

QUESTION: Who pays for the food and labor expended by the school system during the flood emergency?

It hasn't been completely untangled yet, but we have been instructed by the Red Cross to bill that organization for the food served to flood victims. This we will do. One bright note in the cost picture is the fact that the cafeteria workers who were turned out at about 3 a.m. Friday to open and operate cafeterias at Phoenix Union, South Mountain, Central and North high schools have refused compensation for the services they rendered. The 310 hours they worked ordinarily would call for wages totaling \$556.15.



SEYMOUR

As I've said, the total isn't known yet, but with those two items covered in the ways I've indicated, there isn't a great deal more to consider. And Nick Fitch, our cafeteria supervisor, and the cafeteria employees certainly rate three rousing

Questions about the Phoenix schools may be sent to Supt. Howard C. Seymour at 3010 N. 11th Ave. His answers appear every Monday, Wednesday, and Friday in The Gazette.

cheers for the attitude they've adopted.

QUESTION: So many of the questions you try to answer in this column are completely asinine. Why don't you just skip them?

Who's to classify them as asinine? What's obvious or trivial to one person is a considerable problem to another. As a matter of fact, that's one reason this column exists. You know that we have five people on our board of education, each elected for a five-year term. You're aware that there are 10 high schools in the system and 13 elementary districts feeding youngsters into them. But you've been here a while. What about the hundreds of new families who come here every month? They knew all about the schools in Philadelphia, or Roanoke, which might give you some trouble. But things are different here and just as they have to learn that Central Avenue is our main street, with streets located to the east of Central and avenues to the west, so they need to know some of the basic facts about our ways of running schools.

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QUESTION: As a parent I've often found it difficult to assess the worth of a teacher. It must be equally so for other adults. What's wrong with accepting the opinions of those who know them best, the youngsters who see them every day during the school year?

When I start taking my medical problems to plumbers and my roofing difficulties to swimming pool experts, I'll start asking pom-pom girls to evaluate teachers for me. It seems to me that the best judge of a plumber is a person who knows something about plumbing. By the same reasoning it would follow that people who know about education and educators will tend to be the best qualified to assess the worth of teachers, individually or collectively. Old-fashioned I may be, but I'm stuck with this idea.

QUESTION: I want so much for my child to be successful that I'm willing to do anything for him. Isn't that the best way to help?

On the basis of the results of other attempts to help with this all-out attitude, I'd say that it's one of the best ways I know to guarantee the youngster's failure. It's an old observation that individuals and nations gain strength through struggle, through overcoming obstacles, through adversity, and that only the strong succeed. This doesn't mean that your boy has to have a lot of problems set up for him if he's to have any chance of success. It means only that those he runs into should be his to solve. One obvious reason is that you're not going to be around for him to lean on all his life.

The best way to help him to whatever success is, is to be sure he has a study character and sound principles and let him take it from there. If you've done your work properly, starting with the day he was born, he'll do fine. But if you've carried him on your shoulders all the way up to high school, without developing the character and instilling the principles, it's

For Flood Food

By HOWARD C. SEYMOUR
Superintendent, Phoenix Union
High School System

QUESTION: Who pays for the food and labor expended by the school system during the flood emergency?

It hasn't been completely untangled yet, but we have been instructed by the Red Cross to bill that organization for the food served to flood victims. This we will do. One bright note in the cost picture is the fact that the cafeteria workers who were turned out at about 3 a.m. Friday to open and operate cafeterias at Phoenix Union, South Mountain, Central and North high schools have refused compensation for the services they rendered. The 310 hours they worked ordinarily would call for wages totaling \$556.15.

As I've said, the total isn't known yet, but with those two items covered in the ways I've indicated, there isn't a great deal more to consider. And Nick Fitch, our cafeteria supervisor, and the cafeteria employees certainly rate three rousing



SEYMOUR

Questions about the Phoenix schools may be sent to Supt. Howard C. Seymour at 3010 N. 11th Ave. His answers appear every Monday, Wednesday, and Friday in The Gazette.

cheers for the attitude they've adopted.

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The best way to help him to whatever success is, is to be sure he has a study character and sound principles and let him take it from there. If you've done your work properly, starting with the day he was born, he'll do fine. But if you've carried him on your shoulders all the way up to high school, without developing the character and instilling the principles, it's too late now. You can stand by to pick up the pieces from time to time, but it's a long way from the repair shop to success.

Ph. Hand
1-24-66
**Flood Aid
Hikes Rolls
Of Welfare**

The Arizona Welfare Department's continuing program to cut back unwarranted payments to families under the aid to dependent children program resulted in locating 108 absent parents in December, with monthly savings of \$9,194 to accrue.

Welfare Commissioner John O. Graham also reported that recent heavy rains and flooding increased the emergency relief rolls 904 cases during the month. A total of 1,457 was approved for general assistance and emergency relief.

Eight old age assistance grants were authorized over December 1964 figures and one fewer case was closed with 154 cases approved.

Aid to dependent children cases approved totaled 280, a decrease of 39 from December 1964, with 56 more cases closed than during December 1964.

Aid to the permanently and totally disabled cases approved totaled 102, a decrease of one; 10 tuberculosis control applications were approved, compared with seven in December 1964.

Total increase in all case categories from December 1964 was 879 with 187 more cases closed.

**Salt Shut-Off
May Continue**

Weather conditions remain favorable for continuance of the 18-day shut-off of water releases started Jan. 10 by the Salt River Project.

An SRP official said today total available storage capacity of the system is 214,145 acre ft. There is no water going over Granite Reef dam, and three critical points in the SRP watershed - Payson, Prescott, and McNary - reported below-freezing temperatures.

The SRP has repaired or replaced all major power lines damaged by the New Year's runoff into the Salt River Channel, according to general manager Rod J. McMullin.

The 18-day dry-up of the channel - due to end Jan. 28 - has permitted the Project to replace 13 power poles knocked down by river flow. Most of the poles have been relocated on higher ground.

Mesa Tribune

1-24-66

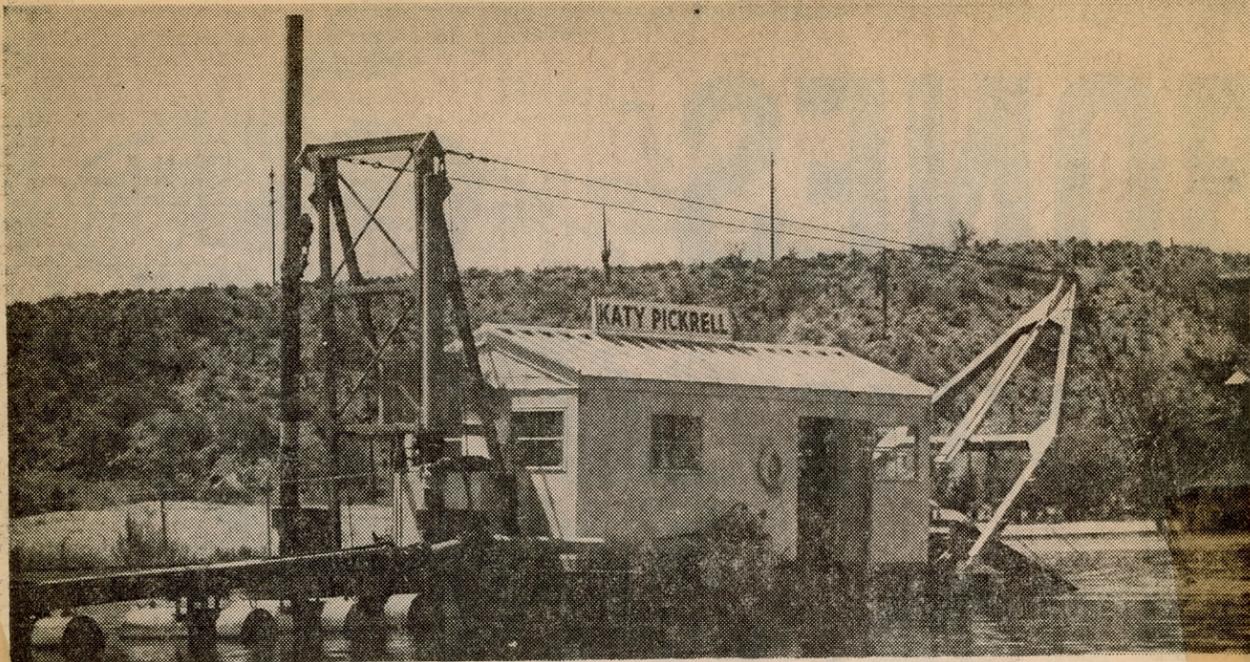
Yazotte
1-25-66
**Narrower
River Channel
Given Praise**

The suggested limits of river channel clearance to a width of 500 feet in conjunction with a proposed county wide flood control program were praised today by Arizona Game and Fish Department officials.

Last month Dr. Wendell G. Swank, director, expressed concern over reported plans for a clearance 2,000 feet wide in connection with recommended channel work on the Salt and Gila rivers.

In reply, L. Alton Riggs, chairman of the county board of supervisors, stressed that any channel clearance in excess of 500 feet would not be approved by the supervisors. The board also acts as board of directors for Maricopa County Flood Control District.

The Game and Fish Department opposed the 2,000-foot width on grounds such a clearance would destroy thousands of acres of natural wildlife habitat.



'ONLY SHIP IN ARIZONA NAVY'

The dredge Katy Pickrell, sometimes called "the only ship in the Arizona Navy," proudly went about its chores of

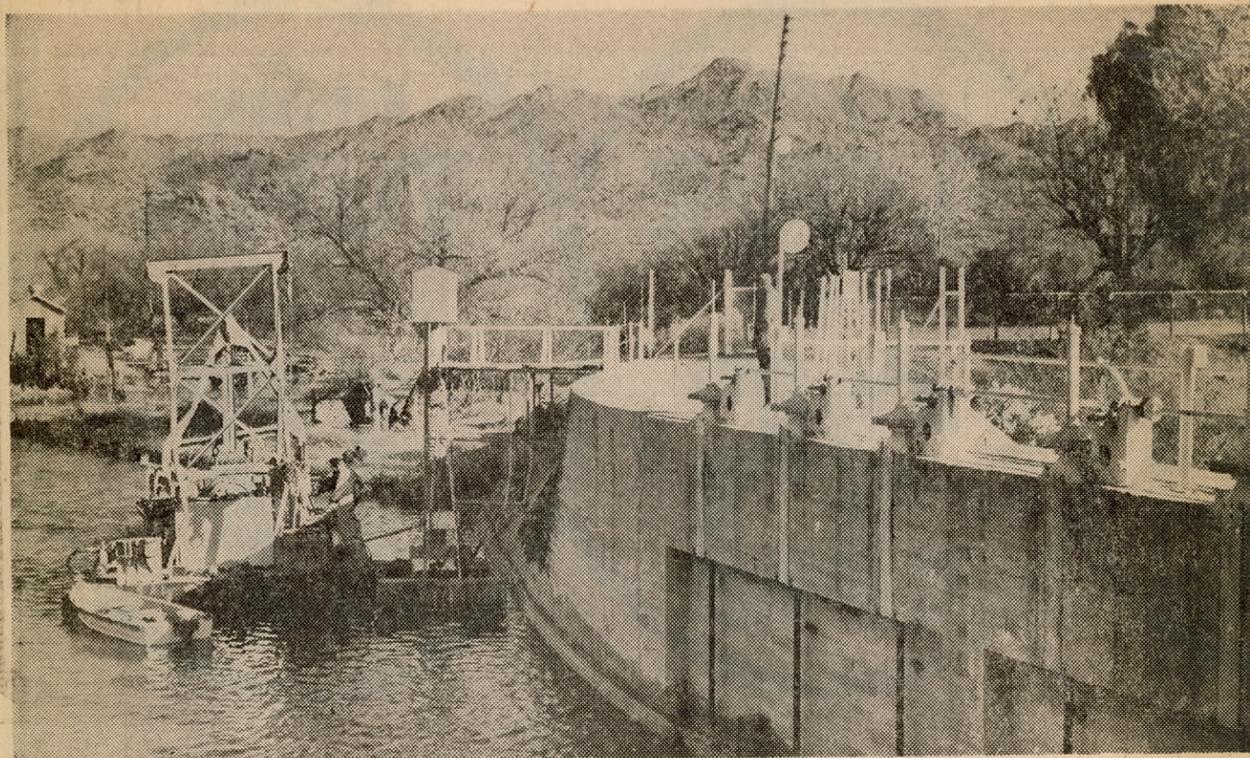
keeping the diversion waters at Granite Reef dam clear of sediment — that is, until the recent floods.



SHE DISAPPEARED UNDER FLOODWATERS

... Then the Salt River Project owned dredge was swamped by floodwaters and five project employees who tried to moor it on New Year's Eve "abandoned ship." They were rescued by helicopter. Its fate was unknown until the water receded

enough by Jan. 6 to show the bottom side up. It was sunk in a deep hole washed out by floodwaters near Granite Reef Dam. Crews have been working to bail out the water and shovel out the sand.



HEADED FOR DRYDOCK

'Katy,' named for the wife of the late W. W. (Bill) Pickrell, former president of the Salt River Valley Water Users Association, has been tied up to a gate at Granite Reef Dam

and will be put in drydock for repairs. Much of the superstructure was twisted and had to be cut off. Project officials said it will cost about \$25,000 to repair dredge.

FLOOD'S AFTERMATH, A ROUNDUP

Plus Gazette 1-28-66 Firm Agrees To Remove River Channel 'Peninsula'

Union Rock and Material Corp., 2000 S. Central, today agreed to abide by a suggested court decree that it should remove a gravel mound "or peninsula" which it built extending into the channel of the Salt River.

The "peninsula," so described by Union Rock's attorney, Mark Wilmer, came into being when the gravel company filled in an area between the river bank and a small island just west of the South Central Avenue bridge.

THE CITY OF Phoenix, which joined in the stipulation, had claimed that the presence of the river obstruction caused the damage which occurred to the bridge New Year's Eve by impeding the river's flow of flood waters discharged from upriver river dams. The landfill was also described as a threat to the bridge if it is not removed before the Salt River Project reopens the floodgates either this weekend or next week.

THE GRAVEL and excavating firm agreed to proceed with "reasonable diligence" for "immediate clearance" of the river channel.

The decree came from Superior Court Judge George M. Sterling and was agreed to today between Wilmer and John Madden, special counsel for the city.

The 19th Avenue bridge over the Salt River should be completed by Monday or Tuesday and those at 16th and 40th streets by next Friday, city officials said today.

These completion dates are dependent, of course, on the extension of the Salt River dry up period until next Friday, Fred Glendening, Phoenix public works director, said.

He also estimated that repairs to the South Central Avenue

bridge will be completed by Feb. 7 or 8.

"We believe the concrete on the deck of the bridge will be poured Tuesday or Wednesday," he added. "A special high strength concrete is being used on the bridges in an effort to reduce the usual period for the hardening of the material."

* * *

The unfilled capacity of Salt River Project reservoirs increased 140 acre feet during the 24 hours ending at 9 a.m. today.

A total unfilled capacity of 211,692 acre feet was reported. This is 11,692 above the point where it will be necessary to end the dry-up of the Salt River channel below Granite Reef.

Project officials are still holding to the possibility that the dry-up will continue until about next Friday. They said any change in weather conditions on the 13,000-square-mile watershed could cause a change in the schedule.

The runoff from the Salt River and Tonto Creek into four reservoirs this morning was at the rate of about 1,566 acre-feet over a 24-hour period. The runoff into the two reservoirs on the Verde River was at the rate of 784 acre feet. Water was being discharged at the rate of 1,150 acre-feet into canals.

* * *

TEMPE—Flood control work in Indian Bend Wash would not

be started until levees have been constructed to protect Tempe from any overflow of the Salt River.

Gale Christy, acting Tempe city manager, said that is the agreement reached between city officials and Maricopa County Flood Control District.

As a result, Christy said he is in favor of the proposed \$22.5 million bond issue to acquire rights-of-way for the flood control work by the U.S. Corps of Engineers. About \$93 million in federal funds would be necessary for all the proposed projects. The bond issue election will be March 8.

Christy said the city is interested in "two major points in flood control." They are: (1) "sufficient levees . . . to protect the city . . ." (2) built as soon or sooner than construction of the Indian Bend Wash project."

2-5-66

Watered Down Flood Aid Bill Sent Back to Senate

PHOENIX (AP) — By a vote of 64-9 the Arizona House Friday passed and sent back to the Senate a watered down bill boosting the governor's emergency fund.

The bill would give the governor the power to allocate up to \$350,000 a year for disaster aid to state agencies and political subdivision.

In the original Senate-passed bill the governor could have spent up to \$750,000 per emergency.

It is expected the Senate will consider the House amendments at a caucus Monday. If the changes are accepted the bill would become the first to pass both Houses of the legislature this year.

If the House amendments are rejected, a conference committee will be set to work out a compromise.

The House bill would limit the governor to \$50,000 per political subdivision unless a special five-man disaster board decided more is justified.

Provisions of the bill would be retroactive to July 1, 1965, and therefore would cover the flooding around Arizona in December and January.

Several House members took the floor to say they didn't especially like the bill but would support it in order to get at least some aid for their areas.

Speaking for the Democratic minority bloc, Rep. Robert

Stamp, D-Maricopa, said: "I want to make it clear we don't condone the cutting of the funds from \$750,000 to \$350,000." He said it is hoped a conference committee will be set up and the original senate figure will be restored.

Rep. Larry Oldham, R-Maricopa, called the measure, a "Tucson flood relief bill." He said it is only designed to get federal funds for Arizona.

"We are substituting city authority with paternalistic care," he said.

Seven other bills and two memorials approved Thursday in committee of the whole also were sent to the Senate with little opposition.

One of them would require Pima county to provide separate shelter care facilities for abandoned or neglected youngsters.

Another would protect doctors and nurses from damage suits which might arise in giving aid at an accident scene which they happened upon.

The Senate met only briefly Friday and then adjourned for the weekend. This was the close of the fourth week of the session.

Groundwater Realities

THE GENERAL public cherishes two delusions about groundwater, repeated frequently in the towns — but not out in the country where farmers have learned the hard facts about aquifers and pumpage.

One delusion is that these storms must have done a great deal toward replenishing depleted groundwater reserves. Another is that artificial recharge could have been effected by letting the flood waters flow into the aquifers through existing wells.

Every hydrologist tells us that natural recharge is extremely slow. Water travels through ordinary soil at less than a snail's pace, 50 feet or less a year in many formations. It moves faster through porous gravel or sand, which usually constitute what we call an aquifer, but still at a rate infinitely less than water will run downhill on the surface.

It is true that there are narrow strips along the Santa Cruz and its tributaries, in Southern Arizona, where there is sand and gravel, or boulders, for quite a distance down. Such formations can recharge very rapidly, because they are porous and have water-holding capacity. Stuart Brown of the USGS reports that in some private wells along the Rillito, near Tucson, the water table has risen 35 feet in the last few weeks. But that replenishment is right along the bed of a river or arroyo, extends hardly any distance laterally. Those water supplies can be pumped out almost as fast as they accumulate.

Yes, all our aquifers will be refilled to a certain extent by the storms of 1965-66. In very few cases, however, will the benefits be immediate. For years and years this moisture will be seeping down to the sand and gravel beds from which it can be pumped. It took centuries for our groundwater reserves to accumulate, and it would take a hundred wet seasons to put back what man has withdrawn in just a few decades.

On the face of it, one would think it a simple matter to turn flood waters into wells and let gravity pull it into the aquifers. It is not at all simple. Flood water is always loaded with colloids, other minerals, and considerable vegetable or even animal matter. Coarse trash can be screened out, but that is not enough. The underground formation seals up, sometimes entirely stopping any movement through perforations in the well casing. Besides, as said before, the movement of water through any formation is so slow that it can't even be called sluggish.

The University of Arizona and other agencies have made extensive experiments, trying to recharge the underground with surface water. They have not come up with any practicable method. Some recharging is being done elsewhere, but at considerable expense and not with any great success where conditions are comparable to Arizona's.

The best we can do at present is to capture all flood water we can on the surface, keep our reservoirs as full as possible, store as much as possible in the soil by irrigating with controlled floods, and resolve to do a better job the next time.

Court Order *Donette* Is Directed *2-7-66* At Landfill

An order requiring Arizona Sand and Rock Co., to start immediately removing its landfill obstructions from the Salt River channel in the vicinity of South Central Avenue bridge was filed today with the clerk of Superior Court.

Signed by Judge George M. Sterling, the order came upon agreement among attorneys for the sand and rock company, Central Avenue Landfill Corp. and the City of Phoenix, plaintiff in the action.

It was decreed that Arizona Sand and Rock must "commence at once, at its expense and without right or claim of reimbursement from the plaintiff" the excavation of its landfill to a bottom elevation of 1,064 feet above sea level and the excavation of a channel to permit free flow of Salt River water southwest from the existing city storm sewer outfall near the bridge.

Both Arizona Sand and Rock and Central Avenue Landfill, which leases from Sand and Rock, were restrained from conducting any landfill above 1,064 feet in the areas described. These involved three specific obstructions which the city claimed impeded the river's flow during the heavy flood runoff last month.

THE ORDERS, however, stated specifically that they did not constitute judgment on any claims which the parties to the action may have or may undertake against one another. This is aside from the fact that Arizona Sand and Rock may not claim reimbursement from the city for removal of the landfill.

Earlier, Union Rock and Materials Corp. had agreed to remove landfill for which it was responsible in the area just downstream from the South Central bridge.

There was no order concerning Arizona Public Service Co., which was listed as a technical co-defendant because some of its powerlines are strung across the river above the Arizona Sand and Rock landfills.

Pleasant's *Gazette* Water Close *2-7-66* To Capacity

Special to The Gazette

LAKE PLEASANT — Water storage in Lake Pleasant measured 157,049 acre-feet this morning—just short of the capacity.

The reservoir, with a capacity of 157,590 acre-feet, is on the Yavapai-Maricopa county line west of New River. It stores water from the Agua Fria River for farm use in the Maricopa County Municipal Water Conservation District No. 1.

A spokesman said that since Jan. 11, the lake has held more water than at any time since the Carl Pleasant Dam was constructed 38 years ago.

Farmers are now using about 2,300 acre-feet a day. Peak use during the summer is about 7,800 acre-feet a day.

Farm Bureau *Chandler Assn* Asks Change In *2-9-66* Canal Drainage

The Maricopa County Farm Bureau has asked that county flood control plans be changed so that drainage canals would flow north to south, rather than from east to west as now proposed.

Members of the County Farm Bureau Board of Directors reaffirmed their support for the flood control project but requested the Corps of Engineers to design the drainage system to empty into the Salt rather than the Agua Fria River.

Farm Bureau President Henry Backer of Chandler said that a north-south alignment could utilize existing rights-of-way and would follow existing patterns of irrigation and drainage systems.

He said the proposed east-west alignment of the Maryvale and Olive drainage canals would require large expenditures for rights-of-way and construction of viaducts over laterals, and would "chop-up" farm lands and fields in western Maricopa County.

Check *Tempe Daily News* Flood *2-10-66* Loss

\$17,000 Is Estimated Damage For Tempe

Tempe's estimated flood loss, the council will be informed at its first February meeting Thursday (tonight) at 8 o'clock, will run around \$17,000. That is part of what Gale Christy, acting manager, will report.

Christy's report will show that about \$2,000 of the total went for overtime pay for police and other emergency personnel. Material damage to water and sewer line make up the balance. There is a chance, the manager also indicated, that damage to the new 43-inch Tempe-Mesa interceptor sewer, not yet in use, may be more. The monetary loss figure there was estimated only as to clearing dirt, silt and mud from the recently installed main.

Main losses to the municipality were the eight-inch water main and the six-inch pressure sewer line across Salt river in the vicinity of Scottsdale road. Two sewer manholes were damaged and the trouble at the disposal plant area, due to the power outage, was handled mainly by city crews.

Other items for council consideration are a request of \$9,000 to \$10,000 for emergency communications equipment and a suggestion that an emergency expenditure be made to codify city ordinances.

The regular agenda, released Wednesday, contains primarily routine items. There are several ordinances pertaining to planning and zoning; amendments to alter building permit fees for local educational institutions; a 54-home subdivision plat for approval; and a recommendation that Tempe participate in the Maricopa County Civil Defense program.

To clear the right-of-way for West University drive, Mill avenue to Hardy drive, it will be necessary for the city to go to court on one parcel that is in an unsettled estate. The listed owner is deceased. The one parcel stands in the way of the paving and drainage project which will be a westward extension of three-quarters mile of paving similar to what is now on East University drive, Mill to Rural road.

As revealed yesterday the council will be asked to approve award of the Central Fire Station building contract to Hal Grammer Construction Co., second low bidder. The delays in financial arrangements for the job resulted in a request by the low bidder that he be released. Just a few hundred dollars separated the two bids, both around \$257,000.

Frank Benedict, TUHS superintendent, has asked to appear in connection with the district's participation in the improvement of McClintock drive near the new high school. Peter D'Amico, representing an oil firm, will seek a variance to increase storage capacity at a service station within the city. Ordinance 274 limits the tanks and sizes as a safety measure.

There is a long list of communications for recognition and consideration.

House to OK \$750,000 Flood Bill

Mesa Tribune 2-12-66

PHOENIX (AP) — The House majority voted Friday to accept a compromise bill which would raise the governor's emergency fund from \$30,000 to \$750,000.

House Speaker Jack Gilbert, D-Cochise, said the coalition caucus was "overwhelmingly"

in favor of the agreement worked out by a joint committee with the senate.

Gilbert said the house will wait until Monday to see if the senate majority accepts the plan.

If the senate accepts the bill, Gilbert said the house will go ahead and pass the measure.

Senate President Clarence Carpenter, D-Gila, said it would

be Tuesday before the upper chamber could pass the bill and send it to the governor.

The measure would allow the governor to draw up to \$50,000 out of the state treasury for allocation to a state agency or political subdivision if an emer-

gency should be caused by a disaster.

A disaster board would have to approve larger expenditures and would be required to review all disbursements for disasters. On the board would be the civil defense director, attorney general, secretary of state, state engineer and public health commissioner.

It also specifies the governor may use up to \$250,000 to aid political subdivisions in the repair of damages caused to public property by the December and January flooding.

2-3-66

Wildlife Need Considered In River Channel Proposal

Fred Weiler, state director of the Bureau of Land Management, declared yesterday there will be no channel clearance of the Gila River without consideration of the effect on wildlife.

The Maricopa County Flood Control District has proposed that the Gila River be cleared of vegetation and debris from 91st Avenue to Gillespie Dam southeast of Buckeye.

The Corps of Engineers first proposed a channel clearing 2,000 feet wide, but County Supervisor L. Alton Riggs recently said the county supervisors, directors of the flood control district, will approve no channel wider than 500 feet.

Weiler, before leaving for a meeting in New Orleans, said, "It has not been mentioned very often" that the riverbed is under control of the BLM. He said the belt of salt cedars and other types of vegetation along the

Gila is a prime wildlife habitat, especially for doves.

Before the BLM approves any alteration of the Gila River terrain, it will need to know what impact it would have on wildlife, Weiler said.

The BLM will need to know, for example, if the flood control work could cause drainage of several small lakes on the BLM land.

Flood

Mesa Tribune

Funds

2-15-66

Delayed

PHOENIX (AP) — Both the House and Senate accepted today a compromise bill to expand the governor's emergency fund, but final passage of the measure will be delayed until Wednesday at the earliest.

The House adjourned until Wednesday without taking final action on the bill to increase the fund and provide up to \$250,000 to pay for public property damaged by recent floods.

There were a few questions asked but little actual debate in either house on the compromise measure.

The Senate majority bloc approved the compromise bill Monday afternoon. As soon as the Senate acts, the House was expected to follow suit so the bill can be sent to the governor quickly.

Under the bill, the governor's emergency fund is increased from \$30,000 to \$750,000 a year. A five-member watchdog committee of state officials is set up to keep check on all expenditures and must approve allocations of more than \$50,000 to any one political subdivision.

The Senate also tentatively scheduled debate today on 22 bills.

Ten of them are minor appropriations and reallocation bills.

The most important of the group would appropriate \$30,000 to the State Corporation Commission to complete an investigation of Arizona Public Service Co. rates, eliminate the citizenship requirements for licensed nurses and increase the number of judges in Division One of the State Court of Appeals from three to six.

Another bill would eliminate the requirement that medical, dental and veterinary students return to Arizona or repay the state under the Western Interstate Cooperation on Education. Students in the program have their tuition paid at out-of-state schools, but now they must return to Arizona to practice or else repay the tuition.

Flood Fund Bill Sent to Goddard

Mesan Turley Raps Proposal

PHOENIX (AP) — A bill to increase the governor's emergency fund from \$30,000 to \$750,000 was passed by the Arizona House today and becomes the first measure of the regular session to clear both chambers.

The vote in the House was 66-7, with all the opposition votes coming from Maricopa County representatives.

Republican Stan Turley of Mesa said he opposed the bill as not in "the best interest" of Arizona. He said he feared the state would be expected to carry the full load for any emergencies and that local governments would be able to avoid their responsibilities in disasters.

The measure passed the Senate 28-0 Wednesday.

It was worked out by a joint

House-Senate conference Committee. The governor can allocate up to \$250,000 for repair to public property damaged by recent flooding. In the future, the governor can spend up to \$750,000 a year on disaster aid but a five-member board will be expected to serve as a watchdog.

A bill to create a state finance department still faced hurdles in the Appropriations and Judiciary committees before it could be brought to the floor.

Other bills expected to be on the debate calendar would establish daylight savings time summers in Arizona, provide for court injunctions against violators of smog control ordinances, increase penalties for shoplifters, and require parents to pay the cost of maintaining their children in state institutions.

Flood Meet Slated Here

County, state, and federal representatives will be available to answer questions at a special flood control meeting of the East Mesa Area Development Association next Wednesday.

The special breakfast meeting at 7:30 a.m. at the Maricopa Inn will include Col. John Lowry, Maricopa county flood control district engineer; Cliff Pugh, of the U.S. Bureau of Reclamation; and Lucien Hill, of the state soil conservation service.

Arranged by Virgil Crismon, EMADA president, the meeting is being held to provide additional information on the county flood control bond issue March 8. Reservations may be made through the Chamber of Commerce.

The east Mesa area is included in the flood control program to be financed by the bond issue if voters approve the measure.

Businesses, too

*Scottsdale Daily
Progress
9-14-66*

Flood loans sought for homeowners

SBA official views damage

As many as 100 Scottsdale homes and a dozen businesses may be eligible for low-interest government disaster loans for repair of Tuesday's flood damage.

Harold Schnurer, Phoenix area director for the Small Business Administration, toured the flood area this morning with City Manager Bill Donaldson.

Schnurer estimated that 50 to 100 homes and a dozen businesses sustained serious damage when heavy rainfall Tuesday flooded residential streets and caused part of the Arizona Canal bank to break.

He said he has advised the Washington office of SBA of the situation here. It will be up to that office, he said, to decide if an emergency exists here, making the loans available.

Schnurer emphasized that money will be made available on a three per cent loan basis only. Loans can be repaid over 30 years, he said.

The Salt River Project, whose Arizona Canal broke Tuesday, said the gap near Pima Rd. in northeast Scottsdale was plugged at around 3:30 p.m. A canal release gate further to the west, which permitted water to flow into the Indian Bend Wash, was closed at about the same time.

The heavy rain and the spilled canal water resulted in flooding of residential areas northeast of Granite Reef and Jackrabbit Rds., near 70th St. and Pinchot, around 68th St., just north of the canal and south of McDowell between 70th and 72nd Sts. Businesses on Scottsdale Rd. north of Camelback also reported flooding.

Schnurer said that about 50 homes were damaged in the northeast area, about a dozen near 68th St. and about 25 in

the Vista del Camino area south of McDowell.

"Extensive damage" was reported by the Safari Hotel, just north of Camelback on Scottsdale Rd. A spokesman for the hotel said the convention center, first floor offices, and 62 of the hotel's rooms were flooded.

Meanwhile, Valley insurance agents have said that few if any homes carry insurance to cover flood damage.

Gail Scott, an agent here, said that "there is no coverage for losses due to flood. A homeowner, if he's willing to pay that much money for flood insurance, would probably be sitting on pretty low ground in the first place," Scott said.

All Scottsdale public and parochial schools were closed Tuesday because of transportation problems, but reopened today.

City crews bore the brunt of much of the water's attack. A number of streets and intersections were closed by flooding Tuesday and some of them were damaged by rushing water. The city refuse collection schedule also fell a day behind.

One of the worst casualties was the Children's Library section of the Scottsdale Public Library. Located in the basement of the old building, water was more than ankle deep and book damage was noted on the lower shelves.

Only one road, Chaparral Rd. near the canal break, sustained serious damage and it will be closed for some time until that section can be rebuilt.

Other minor repair work will have to be done on small washouts on various other streets and in some parks, including the new Coronado Park, under construction in the wash.

Flood workers had filled 1,100 sandbags and distributed them by 11 a.m. and by last evening, a total of 1,500 had been given out.

Public Works Director Marc Stragier said refuse wranglers had collected about one-quarter of the trash on their route yesterday when they were pressed into service. He expects the trash collection scheduled to be back nearly to normal by Monday.

Floods Topic Of Speaker

James E. Goddard, chief of flood control relations for the Tennessee Valley Authority, will speak to city and county officials about flood problems at a meeting at 8:30 a.m. Aug. 9.

David F. Munns, county budget and research director, said Goddard will discuss flood control and prevention, including problems in Maricopa County.

Attending the meeting will be county department heads, eight Valley mayors and members of the citizens flood control advisory board and the 1957-58 flood protection improvement committee. The session will be at the County Office Building, 35th Avenue and Durango.

Munns said that Goddard is scheduled to study local flood control conditions Monday through Thursday with John Lowry, county flood control engineer.

Rain Damage Is Estimated At \$10,000

Gazette's Mesa Bureau

MESA—Storm flood damage to Highway 60-70-80-89, east of Mesa, was estimated at \$10,000 by Homer K. Richards, district engineer for the Arizona Highway Department.

At one time water overflowed onto the highway from the Eastern Auxiliary canal he said. The damage, he explained, was not to the road surface but to washed out ditches paralleling the highway, and to culverts under the road.

Class Matter
st Office



STORM DAMAGE — Heavy rain Friday night apparently caused an underground fault that created a crack across Highway 60-70, east of the Bush Highway, Saturday morning. Photo at left shows crevice just south of highway and right photo shows highway

crews patching the crack. One eastbound lane was close to traffic but has been reopened. The crack crossed all four lanes of the dual highway. It coursed south across the desert for about a half mile, widening to over four feet at some spots. (Tribfotos)

September 12, 1970

On September 5, 1970, heavy storms actively moved into the valley causing large flows to occur. The following observations were made:

1. The heavy rains caused numerous streets to be flooded and desert washes to run full.

2. In the vicinity of East Bell Road, heavy overland sheet flow was noted. West of 7th Avenue on Thunderbird Road where drainage from Moon Valley crosses Thunderbird, the culverts were full and water was running 2' deep across the road.

3. Heavy overland flow was noted from 59th Avenue to Black Canyon Freeway on Thunderbird Road. (Further to the west was not traveled.)

4. Cave Creek Dam was within 10-12' of the top (see photos) and an estimated 700-800 CFS was being released from the dam. Lee Ohsiek had estimated that 1500 CFS had flowed past Peoria Avenue Saturday night or early Sunday morning. On Sunday about 10:00a.m., Lee estimated 500 CFS at Peoria Avenue. Lee made the following additional observations:

a. The Arizona Canal broke in two places in the vicinity of 10th Avenue between 9-9:30 p.m., September 5, and repair was started about 4:00 a.m., September 6. (See photos.)

b. Ditches and fields washed out in the vicinity of 51st Avenue and Dunlap.

c. New River at Glendale Avenue (September 6) about 2' deep, estimated 1500 CFS; at peak was 5' higher, estimated 10,000-15,000 CFS (12:00 a.m., September 6 peak). Lee had report of 13' of water at Northern Avenue at New River at 12:00 a.m., September 6.

d. At Maryvale on Sunset Drive (vicinity of 63rd Ave.) Lee received calls from 6:00 p.m. to 12:00 p.m., September 5, regarding ponding north of the Grand Canal. Water in homes was 1-2" lower than last month. Men in neighborhood worked to keep drains under canal open.

e. Salt River at 24th Street, water was 6" below top of culvert.

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5. Approximately 2' of water ponded north of the Arizona Canal east of 19th Avenue on Hatcher Road (see photos). Evidently no water flowed across the Cave Creek Spillway at 23rd Avenue and the Arizona Canal.

6. About 2000 CFS was released from the Arizona Canal into Indian Bend Wash at 4:00 p.m., September 5. The canal broke just east of Pima Road at a foot or horse bridge causing flooding along 86th Street in Scottsdale.

On September 8, 1970, I went on a tour of the area with Mr. Marc Stragier, Public Works Director, Scottsdale, and Mr. Walter Raketich, U.S. Army Corps of Engineers, Los Angeles District.

a. The canal break east of Pima was evidently due to piping through the bank because compaction at the footing of the walk bridge was not adequate. Mr. Stragier stated that the bank was never breached before it broke. The water crossed Pima at about Rose Lane and flowed southwest to 86th Street, where it flowed to the south. The ridge along Granite Reef Road kept almost all of the water out of Indian Bend Wash. The boundaries of the flooded area were approximately 85th Street to Pima, Highland Avenue to Rose Lane. Scottsdale officials estimated that 1400 homes (\$25,000-\$30,000 each) had between \$400-\$3,000 damage, or an average of \$1,000 per home. This included damage in sunken living rooms, outside ground-level air conditioners; and about 3/4 of these homes had swimming pools that had to be pumped out (\$,400,000). (See photos.)

b. Debris was deposited on 87th Street and the vicinity north of McDowell, City of Scottsdale. Estimate for removal was \$4,000.

c. Twenty homes were flooded west of Cross Cut Canal at Osborn, City of Scottsdale, Estimate \$1,000 per home (\$20,000).

d. Water ponded 2-3' deep north of the Arizona Canal from about 56th Street in Phoenix to Pima in Scottsdale. Scottsdale City officials were only interested in the area from 64th Street east. Water flowed out of the canal north 4" deep at 64th Street. At Lafayette and 68th Street the depth was 2-3'; at Calle Redondo and 64th Street-68th Street, the depth was 1-1½'. City of Scottsdale estimated 70 homes east of 68th Street (\$45,000-\$60,000 each) had damage between \$1200-\$4000 each (\$210,000). (This does not include homes in Phoenix along canal.)

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e. The Ford dealership shops west of Scottsdale Road had about 2' of water; damage estimated at \$5,000.

f. Stores in Camelback Mall Shopping Center; damage estimated at \$2,000.

g. The Safari Hotel had 57 rooms flooded, and the Convention Center had over one foot of water in it; estimated damage (City of Scottsdale) was \$10,000.

h. Damage to businesses along east side of Scottsdale Road near Safari estimated by Scottsdale as greater than \$10,000.

i. Damage to homes west of the canal from Camelback Road to Spillway (\$800 per home) 10-15 homes or about \$10,000.

j. Three homes north of the canal at Granite Reef Road had \$2,000-\$4,000 damage (\$9,000).

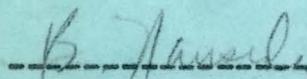
k. The only major road damage was to a washout at Chaparral Road. Scottsdale estimated damage to public utilities and street, \$25,000.

l. Construction of Eldorado Park between McDowell Road and Oak Street suffered about \$40,000 damage.

m. Silt deposited on Golf Courses (Villa Monterey, Coronado, Pitch and Putt south of Thomas), estimated \$10,000.

The City of Scottsdale preliminary damage estimate was about 2 Million Dollars.

7. Due to the large flow in New River that entered the Agua Fria, damage was done to the east approach to bridge on the Agua Fria at Indian School Road. The road was washed out almost to the centerline. No apparent damage was done to the bridge. (See photos.)



B. Nauseda

Public structures incurred damages totaling \$686,000

Gazette Southwest Bureau

Damage to public structures in Maricopa County from flooding early this month totaled about \$686,000, a county flood-control official says.

County highway projects suffered about \$468,000 in losses.

Most of that took place when riverbed crossings were washed out, said Dave Johnson, chief hydrologist for the county Flood Control District.

The city of Phoenix suffered about \$183,000 in damages with about \$100,000 of that coming at facilities being built in the Salt River bed.

The flood-control district lost about \$25,000 in various flood-control projects, including a \$10,000 loss on the Perryville bank stabilization project in the southwest Valley, Johnson said.

Floodwaters caused about \$10,000 damage to a 4-inch Mesa gas line.

Despite the damage, "I think Maricopa County was lucky," Johnson said Wednesday before the county Citizens' Flood Control Advisory Board.

The board also received reports updating work on county flood-control projects:

- Work has begun repairing McMicken Dam in the northwest Valley. The dam is a flood-control structure designed to protect many far-west communities and Luke Air Force Base from flooding.

It was breached after inspections showed it might fail, causing "catastrophic" damage.

- Work on the Perryville bank stabilization was halted by river flows. Mar 11-2-83

County aids victims of flooded homes

By Pat Sallen
Republic Staff

az Rep.
7-26-84

Maricopa County stepped in Wednesday to aid victims of flooding last week in a subdivision east of Mesa because no agency "has owned up to the total responsibility," Supervisor Tom Freestone said.

"More than one (agency) is liable," Freestone told a news conference. "We will see that they own up to it."

"There's been finger pointing over the past week, and that nonsense has got to stop."

Many residents in a 6-square-mile area were forced from their homes by flooding after a severe thunderstorm dumped as much as 4 inches of rain east of Mesa on July 17.

Freestone estimated damage to homes, businesses and other property was at least \$250,000. His supervisor's district includes the east Valley.

Government officials have blamed the flooding mainly on the heavy rainfall but have acknowledged that two federal construction projects, county road con-

struction and blocked drainage easements contributed.

"Somehow, they have to work this out, but in the meantime the people are taking the brunt of it," said Roy Bluhm, director of the county's Civil Defense and Emergency Services Department.

Bluhm's office will act as clearinghouse for flood victims' applications for financial aid. He said the applications will be forwarded to the appropriate authorities after his office verifies their validity.

— County, B4

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"If they have a legitimate claim ... they will be reimbursed," Freestone said. "I will see to that."

One of the federal projects is the Central Arizona Project, being built by the U.S. Bureau of Reclamation, which has contracted with Ball, Ball and Brosamer. The other is the Signal Butte Floodway, which will direct floodwater from washes into the Spook Hill Dam when completed.

The Signal Butte project is being built by the U.S. Soil Conservation Service with the Flood Control District of Maricopa County.

The floodway had been blocked to protect ongoing construction from water. Both the CAP canal and a nearby drainage ditch, which had been blocked, overflowed and caused water to seep into homes.

"Nobody to this date has owned up to the total responsibility of it,"

Freestone said. "It's left residents out there somewhat up in arms."

Claim forms can be obtained from the Bureau of Reclamation trailer on University, three-fourths mile east of Power Road, next to the state Game and Fish Department building. The telephone number is 981-9577.

The office will be open from 6:30 a.m. to 4:30 p.m. Bluhm said Bureau of Reclamation claim forms will be used because the civil-defense department does not have any.

No emergency assistance is available from the county, but Freestone said help is available through the American Red Cross and other agencies receiving federal funding through the county.

How long people will have to wait for claims to be processed is unknown.

Frank Russo, civil-defense support-services manager, said about 100 claim forms have been distributed since the flooding.

Officials said steps are being taken to prevent a recurrence. The county Highway Department and the state Department of Transportation began clearing and grading area roads to provide better drainage, and the Signal Butte Floodway has been opened to allow water to dump into the Salt River.

"Had this rainfall waited for a year from now, it would've gone unnoticed," Freestone said, noting that many of the construction projects in the damaged area will be completed next year.

Arizona Republic JAN 17 1985

U.S. relents, orders help for rain-plagued counties

By ANNE Q. HOY
Republic Washington Bureau

WASHINGTON — In a reversal, President Reagan on Wednesday declared a major disaster in Arizona and freed recovery assistance for three counties hit by tropical rainstorms in July.

Reagan directed the Federal Emergency Management Agency to designate Maricopa, Mohave and Yuma counties eligible for two supplemental recovery-assistance programs.

On Aug. 18, the agency rejected a request from Gov. Bruce Babbitt to classify the counties as disaster areas after the monsoonlike rainstorms pounded them.

The emergency agency said at the time that the state was able to

pay for the recovery effort. But Babbitt appealed the decision Dec. 14.

FEMA Director Louis Guiffrida said that under one program, aid will be provided to Mohave and Yuma county governments to pay 75 percent of the cost of repairing or replacing damaged roads, bridges, public buildings and flood-control facilities. The agency estimates the damage at about \$2 million.

Under the other program, individuals without flood insurance in all three counties will be eligible for low-interest Small Business Administration loans to rebuild homes, farms and businesses.

Uninsured families who do not

— Counties, B8

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qualify for other loans also are eligible for grants of up to \$5,000.

Investigators for the emergency agency said more than 50 homes were destroyed or severely damaged and an additional 275 homes were moderately damaged by heavy rainstorms during a three-month period beginning July 22.

The Small Business Administration already has granted low-interest loans to residents in Yuma and Maricopa counties since Aug. 31, when it declared them disaster areas in the absence of a presidential declaration.

Reagan's action makes Mohave County residents eligible for the

low-interest loans and makes available the grants in all three counties.

Many residents suffering losses have settled flood-insurance claims, received help from the Red Cross and settled claims against the Central Arizona Project, which allegedly contributed to the flooding problems for some, according to Bob Blair, a spokesman for the emergency agency.

Based on updated damage information that agency officials gathered during an on-site visit earlier this month, the agency reversed its decision, Blair said.

Reagan appointed Tom Hamner of the agency's San Francisco office as federal coordinator of the recovery effort. Blair said those interested in applying for aid will be told by local officials of the agency how to do so within a few days.