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**Title**

Newspaper Articles from  
1963-1974 and Undated Re:  
Salt River, Luke Air Force  
Base, Bond Issues,  
Powerline Earthfill FRS,  
Granite Reef Dam, Buckeye  
Valley, Gila, Gillespie,  
Arlington, Rainbow Valley,  
Agua Fria, Gravel Pits,

**007.181**

Library Call No. 007.181

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

0	Year	Title of Newspaper Article	X Key Words
44	February 7, 1963	Supervisors to Study Antismog Code Today	X Maricopa County Supervisors, Study, Proposed Regulations, Controlling Air Pollution, County Board of Health, Proposed Countywide Flood Control Program, Flood Prevention Projects, County Flood Control Advisory Board, County Manager Charles W. Miller
14	March 13, 1963	2 Flood Projects Backed	X Flood Control Projects, Winslow, Scottsdale, Army Engineers Board of Rivers and Harbors, Sen. Carl Hayden, Scottsdale Project, Channelization of Indian Bend Wash, Arizona Canal, 7 Miles South, Salt River, Hayden, Miller Roads, Diversion Levee, Little Colorado River, Ice House Wash, Congress, Funds, Arizona Flood Control Officials
43	August 1, 1963	Dam in Box Canyon	X Luke White, Revival, Dam, Box Canyon, Delbert Kirby, Maricopa County Officials, Favor, Recreational Area, Hal Warner, Maricopa County Flood Control District Estimate of Cost, U.S. Department of Interior, City Attorney Frank Stanlis, Secretary of Interior Stuart Udall, Money, Appropriated by Congress, Warren Kelly, Arizona Game and Fish Commission
13	September 1, 1963	Flood Control, Other Items Studied by House Group	X HB 220 Concerning Flood Control, Tempe, Salt River
2	December 5, 1963	Free Land Sought for Floodway	X Free Rights-of-way, State-owned land, Proposed Bond Issue, Countywide Flood Control Program, County Manager Charles W. Miller, Refnes, Ely, Beck and Co., of Phoenix, Agent, Bond Proposal, Board of Supervisors, Proposed Flood Control Program, U.S. Corps of Engineers, Congress, Federal Government, Dams, Dikes, Diversion Channels, Maintenance, Federal Funds
3	October 6, 1964	Luke AFB Trailer Site Gets Zoning	X Maricopa County Board of Supervisors, Final Zoning Approval, 512 Unit Mobil Home Park, John F. Long, Protests, Pendergast School District, 115th Avenue and Glendale, Luke Air Force Base Personnel, Marcel Boulais, Pendergast School Trustee, Cooperated, Federal Funds
24	December 31, 1965	Controlled Channel (Picture)	X Salt River, Flooding, Scottsdale Road, Water, Confined, Narrow Channel, 16th Street, Flood Officials, Appropriate Flood Control Measures, Water Release, Natural Excavating Effect, Heavy Flow, Maricopa Freeway
20	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 Manger 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
5	January 27, 1966	Court Rules For Maricopa Flood Unit	X Maricopa County Flood Control District 's Authority, Flood Control Project, Property Value, Upheld, Superior Court, Judge William A. Holohan, Flood Control District, County Board of Supervisors Plaintiffs, E.A. and Morris Weintraub Defendants, Cross Claim, Denied, Donald D. Meyers, Attorney, Maricopa County, Landmark Decision, State of Arizona, Flood Control Districts Make Long-range Plans, Without Rear of Liability, Adjacent to Black Canyon Highway, Carl Lake Pleasant, Property Devalued
4	March 2, 1966	Election Called for march 8 - \$22.7 Million Flood Control Bond Issue to be Determined	X Property Owners, Maricopa County, Polls, County's Flood Control District \$22.3 Million, General Obligation Bonds, Countywide Flood Control Program, Federal Government, Construction Funds, Acquisition Rights of Way, Modification, Existing Roads, Bridges, Maintenance, Flood Control Structures, U.S. Army Corps of Engineers, Soil Conservation Service, W.B. Barkley, Chairman Maricopa County Flood Protection Committee, Bond Issue, Taxes, Flood Control Bond Issue
10	August 2, 1966	Phoenix (Powerline Earth Fill Floodwater Retarding Structure)	X Flood Control District of Maricopa County, Construction, Powerline Earthfill, Floodwater Retarding Structure, Apache Junction-Gilbert Watershed, Pinal County, Clearing, Grubbing, Excavation, Reinforced Concrete, Corrugated Meta Pipe, Trash Rack, Slide Gate, Bids Close
35	September 15, 1969	Channelization of Agua Fria is Defended	X Channelization, Aqua Fria River, Flooding Downstream, Gila, Avondale, Col. John C. Lowry, 1966 Salt River Runoff, Sierra Estrella Golf Course, No Damage, Road Flooded, Fill to Build Interstate 10, County Parks Department, Concern, Unundating Park, Dumping Water, Maricopa County Board of Supervisors, Casey Abbott Park, Flood, 200 Years, 1891 Salt River Flood, Water 300 Feet North of Washington Street, Phoenix, Standard Project Flood, Erosion, Water, Spread Out, Silt Left, Gila be Channelized Downriver, Westside Community Council, Removal, Saltcedars, 115th Avenue to Gillespie Dam, U.S. Corps of Engineers, 1957, Center of River, Game and Fish Department, Prevent Clearing
12	February 20, 1974	Phase B of Flood Control Meet Set	X Chairman Bob Corbin, Maricopa County Board of Supervisors, Phase B, Comprehensive Flood Control Plan, U.S. Army Corps of Engineers, Financial, Federal, State, County, Municipal Agencies, Project Sites, Future Recreational Use

0	Year	Title of Newspaper Article	X Key Words
23	April 01, 19??	River Floods Roads - Tempe Bridge Only East Valley Crossing	X Salt River, Running, River Crossing Roads, Closed, Mill Avenue, Verde River, Flood Control Dams, Valley, Filled, Overflowing, Irrigation Demands, Mesa's Country Club Drive, Tempe, Downstream, Phoenix's 40th, 48th Streets, Flow, Heavy, Wash Out Crossings, Damage, Arizona State University, Gammage Auditorium, Washington, Legend City, Van Buren, Phoenix Municipal Stadium, Curry Road, Chief of Police Worth Farley, Fire Chief Bill Hanna, Hayden Road Plaza, Tempe Bridge, Arizona Highway Patrol, Scottsdale's Disposal Plant, Washed Out
26	August 01, 19??	Flood Control Bids	Maricopa County Flood Control District, Vineyard Road Dam, Apache Junction, Build Contract, Soil Conservation Service, Inspections, Engineering, Maintenance, Permanent Easements, Powerline Dam, Rittenhouse Dam, State of Arizona, Powerline Dam, Wm. Police Concrete Construction, Phoenix, AGC Contractor, Funds, Flood Retarding Structures, Flood Control Levy, Real Property Evaluation
36	December 05, 197?	\$25,700 Will Build Horse Trail Bridges	X Tempe Firm, Equestrian Bridges, Arizona and Crosscut Canals, Maricopa County Board of Supervisors, Low Bid, J.W.J. Construction Co., Engineer Leroy Lewis, County parks and Recreation Department, Concrete Bridges, Arizona Canal, 19th Avenue, 24th Street, 68th Street, Crosscut Canal, McDowell, Sun Circle Hiking and Riding Trails, Partially Finances, Interior's Special Contingency Fund, Pinal County, Three Flood Control Dams, Apache Junction, Maricopa County Engineer John C, Lowry, Maricopa County, Protect Eastern Maricopa County Areas, Maintain Structures, Vineyard Road, Floods
6	January 00, 1966	Water Still Flows; Damage Checked (Pictures)	X Salt River, Tempe Bridge, Salt River Flood, Rattlesnake, High Ground, Central Avenue Bridge, Jerry D. Jacka, Maricopa County Sheriff's Office, Flood Washed Out Culvert, Seventh Street Crossing, Crack
7	January 00, 1966	South Phoenix Residents Want New Bridge on Salt	X South Phoenix Residents, Build, Additional Bridge, Salt River, Damage, Central Avenue Bridge, Tempe Bridge, Crossings, Fred Noell, Junior Chamber of Commerce President, Flood, Worse, Serious Problems, Concern, Isolated, From Phoenix
33	January 07, 197?	Floodway Meet Slated at Chandler	X Williams Air Force Base-Chandler Watershed, Vineyard Road and Rittenhouse Floodwater Retarding Structures, Constructed, East Maricopa Natural Resources Conservation District, Maricopa County Flood Control District, U.S. Soil Conservation Service, Study, Feasibility, Roosevelt Water Conservation District Floodway, Gila River, Walter D. White, Chairman, Col. John Lowry
29	June 01, 197?	Flood Victims Demand Channel Through Gila Saltcedar Jungle	X Buckeye Valley, Arlington valley, Rainbow Valley, Clear Channel, Gila River, Prevent, Floods, 1973, Sportsmen, Ecologists, Blocked, Channelization Plan, Army Engineer Corps, Buckeye Irrigation Co., Arlington Irrigation Co., Farm Damage, Gillespie Dam to Painted Rock Dam, Director Robert Jantzen, Game and Fish Department, Flood Victims, Game and Fish Commission, Pictorial Evidence, Maricopa County Flood Control District
37	June 24, 19??	Dam Supporters Withstand Bid to Cut Funds	X Controversial Dam, Built, Verde River, Phoenix, Challenge, Environmentalists, House Appropriations Committee, Rep. Larry Coughlin, Delete \$326,000, Pre-construction Work, Dam Site, Study, Mitigate, Endangered Bald Eagle, Dam Safety Funds, Repair of Existing Dams, General Accounting Office, Cliff Dam, Violate, Law, Beneficiaries, Real Estate Developers, Bureau of Reclamation, General Construction Budget, Repairing Two Unsafe Dams, Reps. Eldon Rudd, Tom Bevill, John Myers, Cost, Taxpayers, Plan 6, CAP, Flood Control, Valley, Ed Osann, Lobbyist, National Wildlife Federation
19	March 01, 19??	River Flow to Close Crossing	X Salt River Project, Opened, Tap on River, Phoenix, Granite Reef Dam, Scottsdale, Salt River Channel, Dick Juetten, Assistant General Manager, Flow, Close Unbridged River Crossings, Mesa, Tempe, Phoenix, Storm, High Country Snows, Reservoirs, Salt River, Unfilled, SRP, Pump, Ground Water
46	March 04, 19??	River Flow 'Isolates' Mesa Area	X Mesa, Isolated Peninsula, Roaring Salt River, Culverts, North Country Club Drive, Major Access, Scottsdale, Phoenix, McKellips Road, Broadway, Southern Avenue, Baseline Road, Flooded Streets, Release of water, Dry Salt River Channel, Salt River Project, SRP, Bartlett and Horseshoe Lake Reservoirs, Verde River, Streets, Salt and Agua Fria Rivers, Closed, Water Covered, Northern Arizona, Major Winter Storm, Heavy Snow Warning, Central Mountains, Southeast Arizona, Interstate 17, Flagstaff, Cordes Junction, U.S. 180, Grand Canyon, New River, State Route 88, Tortilla Flats, Apache Junction, Pima County Sheriff's Department, Mt. Lemmon Highway, White Mountains

0	Year	Title of Newspaper Article	X Key Words
1	March 19, 196?	Flood Chances Remote; Bridges Timetable Told	X Flowing, Salt River, Mesa, Maricopa County Officials, Bridges, Waterway, Salt River Project, Inflow, Rainwater, Melted Snow, Watershed, Releasing, Granite Reef Dam, Closed, Alma School Road, McKellips Road, Country Club Drive, Tempe, Tempe Bridge, Superstition, Maricopa Freeways, County Highway Department, Build, Alma School Bridge, Timetable, Proposed Structure, Hayden Road, Scottsdale Road, Salt, Tempe Mill Avenue Bridge, Design, Hayden Structure, State Highway Department, Scottsdale Road Bridge, Design Stage, Construction, Salt River Channel, Reroute, Bridge Site, River's Current Path, SRP Assistant General Manager Reit Teeples, Minimum Level, Storage Space, Salt River Lakes, Verde River Lakes, Control Any Inflow, Uncontrolled Flooding, Valley, 1965, 1966, Flood Danger, Temperatures, Rainfall, Salt and Verde Watersheds, Reservoir Storage Space, Handle Snow Pack, Phoenix, Robert Ingram, Chief Meteorologist, National Weather Service, Flood Dangers
39	May 01, 198?	Cliff Dam Foes Vow Court Fight - Eagle Habitat in Peril, Audubon Society Says	X Maricopa Audubon Society, Sue, Stop Construction, Proposed Cliff Dam, Verde River, Phoenix, Flood, Habitat, Desert-nesting Bald Eagle, Endangered Species, Gov. Bruce Babbitt, Congress, Funding, Central Arizona Project, Herb Fibel, President of the Society, Fight Construction, Verde River Designated Federal Wild and Scenic River, CAP, Plan 6, Roosevelt Dam, Flood Control, Narrow River Channel, Rio Salado Project, Reclaim Riverbed, Homes, Hotels, Recreational Areas, Businesses, Industrial Plants, Assistant Interior Secretary Robert Boadbent, Arizona, Complete Agreement, One Voice, Funding panel, Jack Pfister, Salt River Project General manager, Bill Chase, Phoenix Water Management Advisor, Jay Rhodes, Central Arizona Water Conservation District, SRP, Safety Concerns, Horseshoe Dam, Floods, 1978, 1980, Flood damage, Bridges, Existing Dams, Sky Harbor Airport, Protected, Town of Allenville Relocated, Flood Plain, Salt River, Dr. Robert Witzemen, Riverbed, Salt River Valley, Lakes, Real-estate Dams, Income-tax Dollars, Water-wasting, Scams, Flood-prone Real-estate
34	May 07, 19??	Aqueduct Dike Plans Detailed	X North Scottsdale Homeowners Association, Drawings, Granite Reef Aqueduct, Central Arizona Project, CAP Environmental Impact, Michael Thomas, Acting Chief of Engineering Division, Bureau of Reclamation, Arizona Projects, Aqueduct, Landscaped Dike, Recreational Uses, Protection Against Floods, Earthen Dike, Paradise Valley, Drainage, McDowell Mountain Foothills, Flood Protection, Concern, Rain Waters, Cave Creek Road, Union Hills Drive, 108th Street, Cactus Road, Maximum Potential Rainfall, Drainage Area, Frank Welsh, Environmental Engineer, State and Federal Water Experts, Underground Water Table, Salt River Project, Overstores Water, Reservoirs, Salt River, Valley
30	November 07, 19??	Supervisors Call Public Hearing on Proposed Flood Control Program	X Board of Supervisors, Public Hearing, Proposed Comprehensive Flood Control Program, Maricopa County, Maricopa County Flood Control District Advisory Board, Engineering Studies, Three Priority Groups, Federal Government, Board Chairman Barney Burns, Approval, Debt Retirement, Chandler Area, Buckhorn-Mesa Structures, Retarding Structures, Floodways, Debris Basin, Diversion Box, Floodwater, Irrigation, Apache Junction-Gilbert, U.S. 60-70-80-90, Storage, Flood Storage, Dam, Floodways, Retarding Basin, Mesa-Chandler-Gilbert Floodways, Gila River, Williams Field-Chandler Structures, Queen Creek Floodway, Channel, Roosevelt Water Conservation District Canal, Pima Indian Reservation
16	Undated 01, 19??	But Not for Long (Picture)	X Dark Cloud Bed, Tempe Butte, Phoenix, Silt Deposited, Flooding, Flooded
18	Undated 01, 19??	\$3.5 Million Program to Stop City Floods	X City of Tempe, Eliminate, Flooding, Grover Serenbetz, City Public Works Director, Expand, Storm Drainage System, Homeowners, Flooded Areas, Prevent Flooding, Mr. and Mrs. Bert Barnum, Flooded, Deluge, Nearly Two Inches of Rain, Balboa Drive, Mill Avenue, Debris Trapped, Drainage Ditch Trash Gate, Flooding Homes, Moss Growing, Dislodged and Swept, Into Trash Gates, Clogging Gates, Cleaned, Downpour, Heaviest Flooding, Mill Avenue Underpass, Riviera, Rural Road, Alameda and Balboa
25	Undated 01, 19??	Council Lauds Flood-Control Dam Project	X Phoenix City Council, Maricopa County Board of Supervisors, Cave Creek and Dreamy Draw Dams, Vic Mayor Jarrett Jarvis, Councilwoman Sophia Kruglick, Phoenix, City Engineer Fred Glendenning, Warning, Flooding, 1921, 1943, Arizona Canal, Salt River
27	Undated 01, 19??	Tempe Gets Assurance on Floods	X Tempe City Officials, County Flood Control Program, Protect City, Future Flood Damage, Tempe City Council, John C. Lowry, Flood District Chief Engineer and General Manager, Tempe Area, Not Endangered, Comprehensive Flood Control Plan, Building and Development Permits, Approved Resolution, Opposing, Proposed Flood-control Program, Salt River, Proposed Maxwell Dam
28	Undated 01, 19??	Three-Part Flood Plan is Proposed	X Curbing Flood Damage, Phoenix Metropolitan Area, U.S. Corps of Engineers, History of Flood Damage, Maricopa County, Future Flood Protection, Northwest Phoenix, Phase "B", System of Dams, Cave Creek, Skunk Creek, New River, Dreamy Draw, Diversion Channels, Deer Valley, Channel Improvements, Agua Fria, Gila River

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31	Undated 01, 19???	Gila River Floods South of Buckeye	X Gila River Floodwaters, Havoc, Farm Communities, Closed, Buckeye, U.S. 80, River Crossing, Waters, Flow, Bridge, Wash Out, Western Side, Flood Threat, Arlington, Palo Verde Communities, Lt. James Hill, Sheriff's Office, Dynamited, Floodgates, Gillespie Dam, Gates, Not Been Opened, 1930, Earthen Dam, Build, Depression Years, Gila Bend Indian Reservation, Flooding Conditions, Painted Rock Dam, Farms are Under Water, Gila Bend, Aqua Caliente, Sentinel, Rainbow Valley, Gillespie Dam Bridge, Hassayampa River, Wickenburg, Bank to Bank, Danger Threat, Avondale, Patterson Road
38	Undated 01, 19???	Bid to Ease Cliff Dam Advances	X Legislation, Ease Environmental Opposition, Cliff Dam, State Senate Natural Resources and Agriculture Committee, Senate Bill 1397, Habitat Improvements, Verde River, State-federal Funding Agreement, Central Arizona Project Dams, Destroy, Scenic Stretch, Flood, Nests of Two Pairs of Endangered bald Eagles, Prevent Construction, \$385 Million Dam, National Environmental Groups, Filed Suit, U.S. District Court
40	Undated 01, 19???	Dam Fund Shortfall Possible	X Gov. Bruce Babbitt, Local Funds, Speed Completion, Central Arizona Project Dams, Interior Department, Cliff Dam's Construction, \$127 Million Short, Federal Dam Safety Dollars, U.S. Bureau of Reclamation, Horseshoe Dam, Verde River, Bartlett Dam Downstream, Environmentalists, Challenging, Congress, None, Used, Build New Dams, Rep. Jim Kolbe, CAP Opponents, Not a Repair, Doug Lowenstein, Howard Metzenbaum, 1984 Negotiations, Passage, Dam Safety Bill, Sen., Dennis DeConcini, Michael Rappoport, Salt River Project, Senate Energy and Natural Resources Committee Chairman James McClure, Prohibit, Construction, New Roosevelt Dam, Salt River, Jackson Lake Dam, Idaho, Orme Dam,
41	Undated 01, 19???	Salt River Bottoms Could Make Quite a Lake, Aerial Photo Shows (Picture)	X Gravel Pit Lakes, Phoenix, Flow, Floodwaters, Salt River, Gravel Pits, 16th Street, Seventh Avenue, 40 to 50 Feet Deep, Leonard Halpenny, Engineer for Water Development Corp., Buckeye Irrigation District, Salt River Channel, Salt River Project Farmers, Wells, River Water, Buckeye District, Old Water Rights, Appropriating Floodwaters, Aerial Photos, Flood Channel, Salt Concentration, Groundwater
42	Undated 01, 19???	Engineer Says Dam Feasible (& Picture)	X Maxwell Dam, Mesa, Central Arizona Project, Oliver H. Lillard, Chief of Engineering Division, U.S. Bureau of Reclamation, Valley Chamber of Commerce, Valuable Returns, Flood Control, Recreation, Electric Power, Congress, Parker Dam, Viaducts, Reservoir, Tucson Area, L-shaped Lake, Verde River, Salt River, Earthfill Dam, Phoenix-Payson Highway, Phoenix-Scottsdale-Tempe-Mesa
45	Undated 01, 19???	Flood Isolation of South Side Towns Called Real Danger	X Isolation, Mesa, Valley, Flooding, Voyle Petri, Maricopa County Highway Department, Mesa Chamber of Commerce, Salt River, McDowell-Country Club Crossing, Dams, Rain, Snow, Upper Verde and Salt River Watershed Areas, River Channel, Rural-Scottsdale Road Crossing, Damage, Heavy Rains, Cost, Repairs, Bridge, Heavy Flow of Water, Cut off Travel, Maricopa County
47	Undated 01, 19???	Country Club Crossing's Pipes Get Major Test (& Pictures)	X N. Country Club Dr. Crossing, Salt River, Closed, 6-ft. Diameter Concrete Pipes, Flood Waters 9 ft. Deep, Salt River Project, 25 Years, Water May go Over Roosevelt Dam Spillway, Roosevelt Release, 4-dam Salt River System, Rod J. McMullin, SRP General Manager, Spillway Gates at Saguaro Lake, Mormon Flat Dam, Saguaro Lake, Mesa, Run-off, Streams, Reservoir, Granite Reef Diversion Dam, Test, River Flowed, Released, Upstream Dams
48	Undated 01, 19???	Verde Water May Bring More Woes	X Mesa Area, Salt River, Heavy Rains, Snow Run-offs, Salt River System, Verde River System, Roosevelt Dam Spilling, SRP, Granite Reef Dam, Horseshoe Dam, Bartlett Dam, Country Club Dr., Washed Out, Spring Flood, Rebuilt, Concrete Pipes, Flow of Water
15	Undated 01, 196?	Flood Plan Misgivings Explained	X City Manager Louis S. Cooper, Clarified, Maricopa County Flood Control Plan, Deer Valley Area, Indian Bend Wash, Scottsdale, Provisions, Flood Waters, Dumped, Salt River Bed, Tempe, Countywide Plan, Washington, D.C., Tempe Mayor John Moeur, Indian Bend Project, Arizona State University, Rivera Bed, Senators Carl Hayden, Paul Fannin, Rep. John Rhodes
17	Undated 01, 196?	Just in Case - Disaster Committee Checks Plans for Possible Flooding	X Tempe, Disaster Including Possible Floods, Civil Defense, Flood Situation, Chief of Police Worth Farley, Gale Christy, Bill Hanna, Lou Scherer, Kent Swisher, Douglas N. MacArthur, C.C. Rivers, Joe Salvato, Harry Foard, Mayor John Moeur, Downstream Order, Arizona Public Service Co., Ocotillo Power Plant, Arizona State University, Tempe's Business District, Sewage Disposal Plant, Livestock Feeding Operations, River, 48th and 56th Street

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32	Undated 01, 196?	Firm Challenges Low Bid on Dam	X Tucson Company, Low Bidder, Construction, Vineyard Road Dam, Apache Junction, Ashton Company Inc., County Flood Control Department, William Pulice Concrete Construction, Challenged, Plans, Specifications, John C. Lowry, Chief Flood Control Engineer, Refer, Legal Council, Earthen Dam, Vineyard Road, Maricopa County Flood Control District, Eastern Maricopa County, Powerline Dam, Cost, Federal Government, Maintain Structures, Supervisor L. Alton Riggs, Rittenhouse Dam
21	Undated 01, 1964	Barrier Reef (Picture)	X Tempe, Hayden and Scottsdale Roads, Water, Broken Evergreen Ditch, Surged Over Roads, River Bottom, New Channel, Butte
22	Undated 01, 1964	Storm Closes Roads	X River Channel, Hayden Road Crossing, Bob Snyder, City Engineer, Damage, Rural and Hayden Road Crossing, Repair, Arizona Highway Department, Upkeep, Mill By-pass, Chandlerites, Ignore Hayden Road Barrier, Car Stalled
8	Undated 01, 1966	Gas Main Nearly Ready (Picture)	X Arizona Public Service Natural Gas Line, Salt River, Hayden Road, Below, Bottom, Riverbed
9	Undated 01, 1966	Scottsdale Road Tour (Picture)	X Detour, Scottsdale Road Crossing, Salt River, Opened, County Highway Department, Hayden Road Crossing, Closed, University Drive and Princess Road, Around Barriers, Risking, Trapped, Loose Sand
11	Undated 01, 198?	Two Flood Control Projects Will Protect East Mesa	X Preliminary Reports, Mesa, Help Fund, Two Drainage Projects, Spook Hill Master Drainage Plan, East Maricopa County Drainage Plan, Control Future Flooding, Eastern Maricopa County, Management System, Nuisance Flooding, Maricopa County Flood Control District Engineer Kebba Buckley, Maricopa County Highway Department, (MCHD), (FCD), Western Pinal County, Apache Junction, Bush Highway, Brown Road, Buckhorn-Mesa Watershed Protection Project, Spook Hill Floodway, Flood Retarding Structure, Signal Butte Floodway, Protect Land, Downstream, Floodwater, Sediment Damage, Storms, 100-year Floods, Historically, Flows, Spook Hill Watershed, Discharge, Gila River, Chandler, Divert Flows From Salt River, Increased, Development, Major Constraint, Drainage, 1984, Heavy Rains, Property Damage, Homes, Businesses, Small Parcels, Cost, Construction, Retention Basins, Runoff, Released, Underground Storm Drains, Dam, Ellsworth Road, Ravens Roost, Levee, Usery Mountain Park, Right-of-way, Powerline Floodway, Ray Road, Maricopa County, 100-year Runoff, Usery and Goldfield Mountains, Natural Drainage System, Dry, Small Washes, Rain, Shallow Washes, Overflows, Alternative Drainage System, Detention Basins, Channels, Collect Runoff, Reduce Peak Flows, Carry Runoff, Roosevelt Water Conservation District Floodway, 21 Retention Basins, Upper Watershed, Middle and Lower Portion, Large Retention Basins, Directs Flows, RWCD Floodway, Mesa Public Works Director Dean Sloan, Maricopa County Flood Control District Advisory Board, Board of Supervisors, Design, Land Acquisition

*Mesa*  
**Flood Chances  
Remote; Bridges  
Timetable**

As the flowing Salt River continues today to make a peninsula out of Mesa, Maricopa County officials say relief — via bridges across the waterway — for local motorists headed west from here may be a long time coming.

Salt River Project, in a news conference this morning, indicated that the river will continue to flow at least "a couple more weeks" at various levels, "depending on inflow" of rainwater and melted snow from the watershed.

The Project currently is releasing 13,000 cubic feet per second (cfps) from Granite Reef Dam northeast of Mesa. That release rate has closed all north west routes — Alma School Road, McKellips Road and Country Club Drive — out of Mesa except those which traverse Tempe and the Tempe Bridge or which lead to the Superstition and Maricopa freeways.

Meanwhile, a county highway department spokesman told The

Tribune that previously- build a b School Road any cou timetable five years.

"We don't know," Alma Sch program, commente even preli has been proposed

The spot that bridge Hayden F Road at the existing Bridge —

Design cent con structure Highway Bids are from not be comp after aw spokesm

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manager held a press today that the Project intends to maintain a minimum level of 125,000 acre-feet of storage space in the Salt River lakes and

*Phoenix Gazette*  
**Free Land  
Sought For  
Floodway**  
*12-5-63*

Preliminary steps were being prepared today to obtain free rights-of-way on state - owned land that would cut as much as \$7 million from a proposed bond issue of approximately \$25 million for a countywide flood control program.

County Manager Charles W. Miller said Refnes, Ely, Beck and Co. of Phoenix is scheduled to be named agent for the bond proposal by the board of supervisors on Monday. Informal approval of the appointment was voted yesterday by the super- visors.

A portion of the proposed flood control program, to cost \$70 million, was approved last month by the U.S. Corps of Engineers and submitted to Congress, for approval. A total of \$10.3 million of that cost would be paid by the county, with the federal government providing the balance.

The entire county project, including dams, dikes and diversion channels, will cost an estimated \$115 million. The county's share of the total cost, including rights-of-way and maintenance, would be about \$25 million. The remaining \$90 million would come from federal funds.

Miller said the process of obtaining free rights-of-way would involve a great deal of paper work and legal steps, and would not be completed for some time.

# Flood Chances <sup>Mesa Tribune</sup> 2/19

## Remote; Bridges Timetable Told

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Meanwhile, a county highway department spokesman told The

Tribune this morning that previously-alluded-to plans to build a bridge across Alma School Road are in fact not in any county construction timetable for at least the next five years.

"We don't even have that (the Alma School bridge) in our program," the spokesman commented, indicating that not even preliminary planning yet has been started on that proposed structure.

The spokesman said, however, that bridges west of Mesa — on Hayden Road and on Scottsdale Road at the Salt, just east of the existing Tempe Mill Avenue Bridge — are in the works.

Design and plans are 95 per cent complete on the Hayden structure, according to a State Highway Department official. Bids are to be called 60 to 90 days from now, and construction will be complete about six months after awarding of a contract, the spokesman estimated.

The Scottsdale Road bridge still is in the design stage, with plans slated for completion in about 60 days, but no construction timetable established, pending availability of federal funds and re-digging of the Salt River channel to reroute the water to the bridge site, about 1,000 feet north of the river's current path.

Notwithstanding the bridge situation, SRP assistant general manager Reid Teeple said today that the Project intends to maintain a minimum level of 125,000 acre-feet of storage space in the Salt River lakes and

## More About Salt River

(Continued from Page 1)

of 20,000 acre-feet in the Verde River lakes, in order to control any inflow from the watershed and to guard against repetition of uncontrolled flooding which took place in the Valley in 1965 and 1966.

Teeples and a panel of water experts said they believed flood danger at this point to be slight as long as temperatures and rainfall on the Salt and Verde watersheds remain normal in the next few weeks.

However, the Salt River Project said it must leave reservoir storage space to handle a snowpack two to three times normal. And to do it, its spokesmen said, water will continue coming downstream, flooding many of the roads in the Mesa, Tempe, Scottsdale and Phoenix area.

They concurred, in general, with an earlier report by Robert Ingram, chief meteorologist for the National Weather Service, that flood dangers from the heavy snowpack are slight.

# Luke AFB Trailer Site Gets Zoning

The Maricopa County Board of Supervisors yesterday gave final zoning approval to a 512-unit mobile home park requested by builder John F. Long, despite protests from Pendergast School District.

The park, to be located at 115th Avenue and Glendale, will be built to serve Luke Air Force Base personnel.

The zoning was granted to Long originally with the stipulation that he make satisfactory arrangements with the school districts involved.

**YESTERDAY** Long contended he had made reasonable offers to the school district and asked the board to rule that he had fulfilled this requirement.

He said he had made an offer to Pendergast of a 12-acre school site adjoining the property and gave it the option of buying an additional eight acres.

Marcel Boulais, a Pendergast school trustee, agreed that Long had cooperated with the school district, but voiced fear that the sudden influx of children at the park might cause a serious problem.

"I DO NOT feel that the offer on record does satisfy the stipulation," he said, "but we will try to work out something if the board of supervisors agrees with Mr. Long."

Boulais pointed out that regular homes with the same number of children would have an "80 to 90 per cent higher assessed valuation than those in the trailer park. We are expecting a 300 per cent enrollment increase over the next three years from the park," he added.

Pendergast now has 225 pupils. More than 600 are expected to come from the park.

**FEDERAL FUNDS** would probably be allocated to the school, Boulais said, but added that he did not know whether they would be available this school year.

Plans for the park call for partial completion early next year.

Long pledged himself to work with the school district on the problem.

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Election Called For March 8

3-2-66

Chandler  
Arizona

## \$22.7 Million Flood Control Bond Issue To Be Determined

Property owners in Maricopa County will go to the polls next Tuesday, March 8, to approve or reject the issuance and sale by the county's Flood Control District of \$22.3 in general obligation bonds, proceeds of which will be used to finance Maricopa's share of a countywide flood control program.

Approval of the bond issue is required by the federal government before it can make available an additional \$93 million in construction funds.

Taxpayers in the Chandler district will vote at the Junior High School Library, 191 W. Oak-

land St. Those in Higley and Queen Creek districts will vote at the Queen Creek Elementary School and voters in Gilbert will vote at the Gilbert town hall.

Polls in all county precincts will be open from 6:00 a.m. to 7:00 p.m.

Eligible to vote is any adult taxpayer who owns real property within the boundaries of Maricopa County and who has resided in the county for a year

or more and is a duly qualified elector (this last means his or her name is on the current voter registry).

Voters will cast their ballots at the polling places designated for the precinct in which they reside, not necessarily where the property is located.

If the bond issue is accepted, the county monies will be used for acquisition of necessary rights of way, modification of certain existing roads and bridges, and maintenance of a network of flood control structures to be erected during the next 10-12 years by the U. S. Army Corps of Engineers and the Soil Conservation Service.

W. B. Barkley, chairman of the Maricopa Citizens Flood Protection Committee has stated that cost of the bond issue to the average homeowner in taxes if based on a home valued at \$15,000 will amount to only 35 cents a month, or about "one cigarette a day."

The county elections department (262-3801) will be open election day from 5:30 a.m. until the polls close and will be available to answer queries and provide information on the Flood Control Bond Issue.

1-27-66

## Court Rules For Maricopa Flood Unit

Maricopa County Flood Control District's authority to reveal plans for a flood control project without liability for the effect on property value was upheld this week in Superior Court.

Judge William A. Holohan returned the judgment in a suit filed Nov. 15, 1961, in which the flood control district and the county board of supervisors were the plaintiffs and E. A. and Morris Weintraub the defendants.

A **CROSS CLAIM** of the defendants for \$2,688,000 against the flood control district was denied in the judgment.

Donald D. Meyers, attorney for the district, which includes all of Maricopa County, called the ruling "a landmark decision for the State of Arizona because it authorizes flood control districts to make long-range plans and reveal them to the public without fear of liability."

**THE WEINTRAUBS** were listed as owners of a 2,250-acre tract adjacent to Black Canyon Highway and 7 miles southeast of Lake Carl Pleasant. The tract is included in a proposed flood control project.

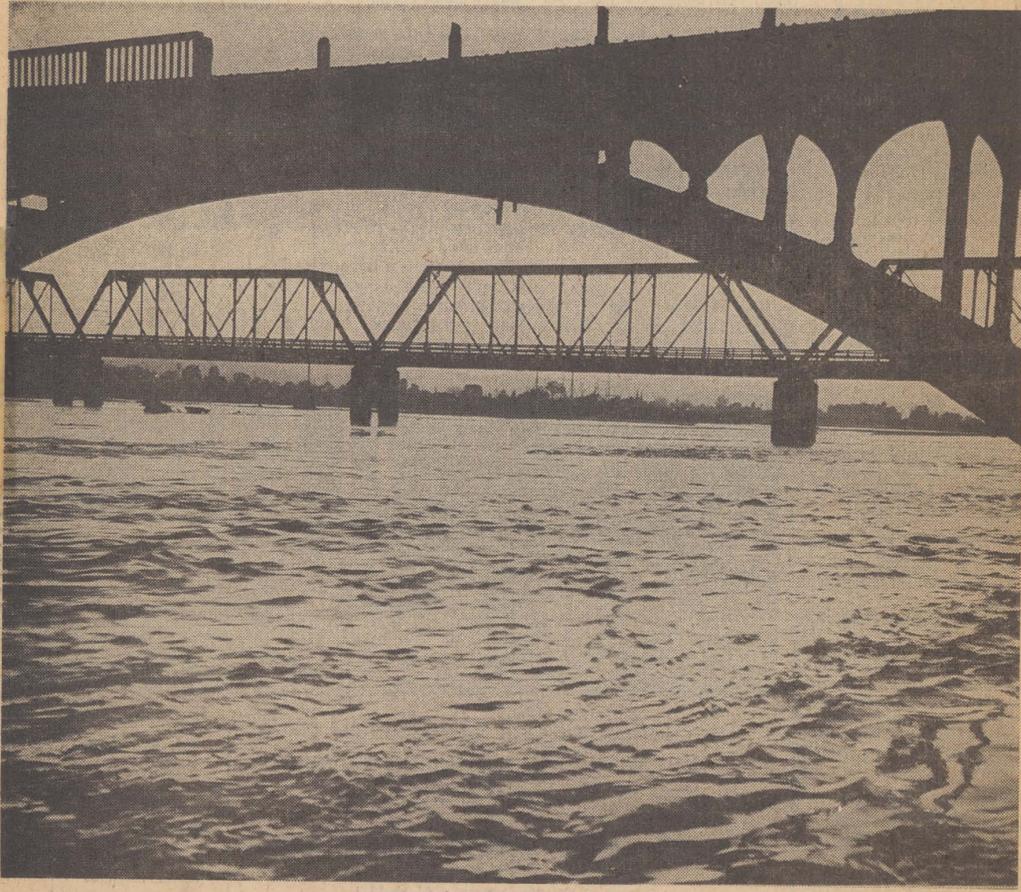
In an earlier court action, they failed to collect \$2,688,000 damages from the board of supervisors. They claimed their property was devalued when the supervisors declared it within the flood control project.

The flood control district and supervisors filed the subsequent action to clarify their authority. Judge Holohan sustained their authority to reveal flood control program plans and ruled that such action did not damage the property or cloud its title.

# Water Still Flows; Damage Checked

★ ★ ★ ★

★ ★ ★ ★

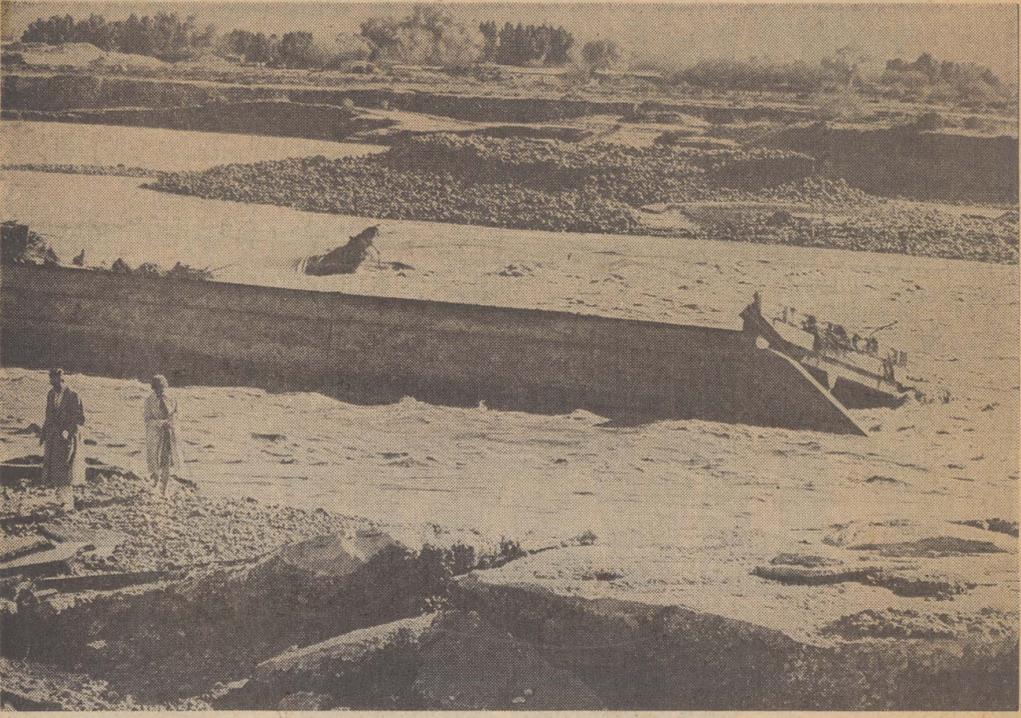


Gazette Staff Photos

Water Still Swirls In Salt River Under Tempe Bridge

★ ★ ★ ★

★ ★ ★ ★



Flood Washed Out Culvert At Seventh Street Crossing

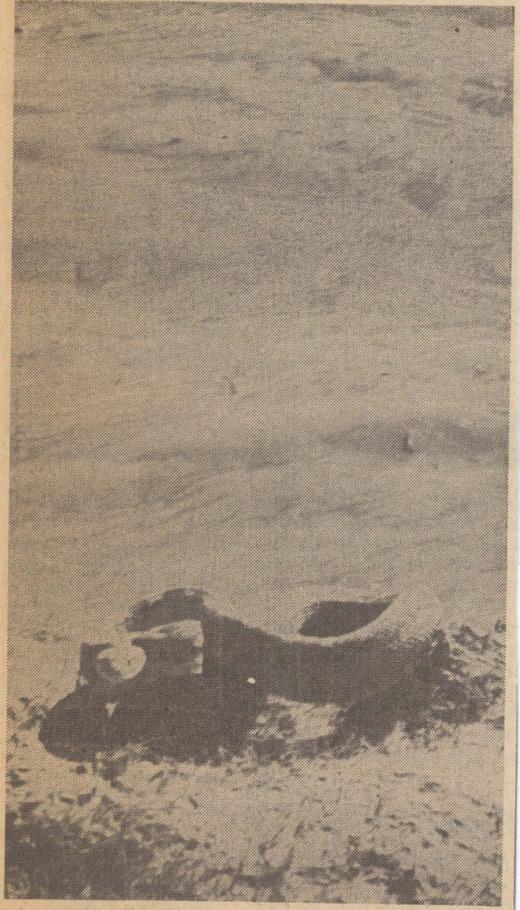
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City Employee Checks Crack In Central Avenue Bridge

## Refugee



Another refugee from Salt River flood was this rattlesnake, which sought high ground near Central Avenue bridge. Picture was taken by Jerry D. Jacka of the Maricopa County sheriff's office.



**GAS MAIN NEARLY READY** — Working around the clock over the weekend, dragline and bulldozer operators, welders and line crews, made fast progress on the new Arizona Public Service natural gas line across the Salt River at Hayden road. The line is anchored by 3,000-pound concrete weights attached to it at 30-foot intervals, and is being buried 25 feet below the bottom of the riverbed.



**SCOTTSDALE ROAD DETOUR** — Rough and dusty, but passable, a detour for the Scottsdale road crossing of the Salt River was opened to traffic by the county highway department Sunday. Hayden road crossing remains officially closed between University drive and Princess road. Some motorists went around barriers to venture the Hayden crossing, risking becoming trapped in loose sand.

PHOENIX (POWERLINE EARTH-  
FILL FLOODWATER RETARDING

ROCKY MOUNTAIN CONSTRUCTION—August 2, 1966

STRUCTURE.) No. AZ-20. Flood Control District of Maricopa County, 3325 West Durango Street, Phoenix. Construction of Powerline earthfill, floodwater retarding structure in the Apache Junction-Gilbert Watershed, Pinal County. Quantities include: 360 acres clearing and grubbing; 313,900 cu. yds. excavation; 820,600 cu. yds. earthfill; 116 cu. yds. reinforced concrete; 160 lin. ft. reinforced concrete pipe; 94 lin. ft. corrugated metal pipe; 1 trash rack and 1 slide gate.

Bids close August 15 in Room 6029, Federal Building, Phoenix.

# Two flood control projects will protect East Mesa

By DEAN RHODES

Preliminary reports call for Mesa to help fund two drainage plans — the Spook Hill Master Drainage Plan and the East Maricopa County Drainage Plan — that would control future flooding in eastern Maricopa County.

"These would create a management system so there won't be nuisance flooding in the East Valley," said Maricopa County Flood Control District Project Engineer Kebba Buckley.

The estimated cost of the Spook Hill recommendation is \$34.5 million, but the actual cost to the three participants — Mesa, the Maricopa County Highway Department (MCHD) and the Maricopa County Flood Control District (FCD) — is unknown.

The East Maricopa County study lists estimated costs, ranging as high as \$84.8 million, but there has been no attempt to break costs down into Mesa, Maricopa County and developer shares.

The Spook Hill Watershed Master Drainage Plan is a joint \$100,000 study sponsored by Mesa, the FCD and the MCHD. The study focused on the watershed as a whole rather than on a politically-defined area.

The Spook Hill watershed affects 16 square miles in eastern Maricopa County and western Pinal County (Apache Junction), east of Bush Highway and north of Brown Road.

Currently, the Buckhorn-Mesa Watershed Protection Project (the Spook Hill Floodway and Flood Retarding Structure, and the Signal Butte Floodway), protect land downstream from floodwater and sediment damage caused by storms up to and including 100-year floods.

Historically flows from the Spook Hill watershed discharge into the Gila River across what is now Mesa and Chandler. The Spook Hill and Signal Butte structures divert flows to the Salt River.

Because of increased development in East Mesa, streets and utilities are starting to be a "major constraint" to drainage. In the summer of 1984, heavy rains caused substantial property damage to homes and businesses in East Mesa.

"Division of ownership into numerous small parcels will add tremendously to the cost of providing for drainage," the study indicates.

The recommended plan calls for construction of retention basins in the northern and central zones of the watershed; that runoff be released by underground storm drains and occasionally by open channel; construction of a dam just east of Ellsworth Road near Ravens Roost; and construction of a levee along the western boundary of Usery Mountain Park.

Estimated cost is \$52.2 million, with private developers paying \$17.7 million and the three public entities paying the other \$34.5 million.

The plan would call for the purchase of 537 acres of right-of-way at \$60,000 an acre.

"The recommended plan may be implemented by private developers, public agencies or a combination of both," the report states.

The preliminary \$140,000 East Maricopa County Master Drainage Plan, prepared for the FCD, develops a master drainage plan from

See FLOOD/page 12

## • FLOOD

From page 1

approximately Brown Road to the Powerline Floodway near Ray Road. The watershed, located almost entirely in Maricopa County, includes four different governments: Maricopa County, Mesa, Apache Junction and Pinal County.

The primary objective of the East Maricopa County plan is to develop a drainage system that will contain a 100-year runoff.

The plan encompasses 70-square miles south of the Usery and Goldfield Mountains. The natural drainage system consists of usually dry, small washes which flow only during and immediately following rain. When the capacity of the shallow washes are exceeded, overflows occur on the land, flooding recently-built homes and businesses.

The alternative drainage system includes various combinations of detention basins and channels which would form an integrated network to collect runoff, reduce peak flows, and carry runoff to the Roosevelt Water Conservation District floodway.

The preferred alternative calls for 21 retention basins in the upper watershed, while, in the middle and lower portion of the watershed,

large regional basins.

"This approach provides control and directs flows safely through the remainder of the drainage system to the RWCD Floodway," the plan says.

Of the four alternatives, the preferred one costs the least, estimated at \$68.4 million. The plan was developed based on comments and recommendations from Mesa and the FCD.

Basin storage of 130 acres could be reclaimed for other uses in the future as the area reaches full development. The current value of the 130 acres is \$5.7 million.

Mesa Public Works Director Dean Sloan said the two plans, when in place, will go "a long way toward alleviating the flooding situation" in East Mesa.

Buckley said public meetings on the two plans will be held within the next four months. They will then be heard by the Maricopa County Flood Control District Advisory Board and the Board of Supervisors.

Once adopted, a four- to five-year design and land acquisition phase will follow. Total project length will depend on available funds.

Sloan said Mesa will not have funds available for several years to finance the drainage plans.

"We'll probably have to finance it with a bond issue," he said.

Westside 2-20-74 Pg. 4

## Phase B Of Flood Control Meet Set

Chairman Bob Corbin of the Maricopa County Board of Supervisors has called a meeting of various government agencies to discuss Phase B of the county's Comprehensive Flood Control Plan.

Requested by the U.S. Army Corps of Engineers, the meeting has been set for 9 a.m. Tuesday, March 12, at the County Administration Building.

Corbin said the main purpose of the meeting will be to discuss financial participation of federal, state, county and municipal agencies in designing Phase B project sites for future recreational use.

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

Northwest Peoria Times 2-22-74 Pg. 2

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# Flood Control, Other Items Studied By House Group

By FLORENCE ROTH

The Agriculture and Irrigation committee of the State House of Representatives met at 8:30 a.m. Monday and again at 1 p.m. Tempe legislator Jim Holley reports.

Appearing before the group in the morning were the proponents of HB 247 which pro-

poses a State Department of Agriculture. The opponents were heard in the afternoon. No action was taken by the committee.

Other matters before the group concerned HR 12 (held in committee), HB 247 and HB 257 returned for consideration of the House. Also HB 240 concerning flood control held in committee. This bill is of more than passing interest to Tempe because of its effect on Salt River properties.

The House convened at 10 a.m. and adjourned about 1 p.m. There was a full calendar of bills. Some were passed and sent to the Senate and others sent to the Governor. Of interest was HB 200 creating an office of director of the budget. It was passed in the House 45-33 but it apparently faces tough opposition in the Senate.

HCR 20, a constitutional amendment recommending a change in the Board of Education, passed 50 to 28. SB 193 which forbids any county the right to split and was aimed at Cochise County, failed to carry the two third emergency vote which would have made it immediately effective.

The Ways and Means committee met at 9 a.m. and 2 p.m. They finally got their version of the tax equalization bill out with a "do pass" recommendation. The bill sent out, according to Holley, is extremely deficient and misleading.

Representative Holley said that "the bill as sent out is far from the final tax bill that will eventually be passed. We all hope the improvement will be vast." Holley urges that you keep your attention on this measure and offer your own hopes and suggestions.

## 2 Flood Projects Backed

Republic Washington Bureau  
ASHINGTON— Flood control projects at Winslow and Scottsdale which will cost more than \$11 million have been approved by the Army Engineers' board of rivers and harbors, the office of Sen. Carl Hayden, D-Ariz., announced yesterday.

The \$8.5 million Scottsdale project calls for the channelization of Indian Bend Wash from the Arizona Canal 7 miles south to the Salt River. Indian Bend Wash lies between Hayden and Miller roads in Scottsdale.

At Winslow, the proposed \$2,775,000 flood control projects involve building a diversion levee from a point southwest of the city's municipal airport east to the Little Colorado River and en-

larging the channel along Ice House Wash through the city. The public works committees of the House and Senate.

The proposed projects still must gain approval of three federal agencies before being submitted to Congress for funds to begin construction of the projects, officials said.

They said the rivers and harbors board's recommendation will go to the chief of the Army Engineers, then to the secretary of the Army and finally to the bureau of the budget before it is sent to

Arizona flood control officials reported they expect Congress to approve both projects this year as part of the omnibus rivers and harbors authorizing legislation.

Once the projects gain this approval, however, another measure must be adopted by Congress appropriating the funds to carry out the projects.

### MASS BY CARDINAL

LISBON (UPI)—Francis Cardinal Spellman of New York, on a visit to the pilgrim center of Fatima with 1,000 American pilgrims, will celebrate Mass in St. Domingos Church here tomorrow.

SINGER — ELECTROLUX

# Flood Plan Misgivings Explained

Gazette's Tempe Bureau

TEMPE—City Manager Louis S. Cooper today clarified the city's stand on the Maricopa County flood control plan.

"One portion of the plan deals with Deer Valley area and the Indian Bend Wash east of Scottsdale. We definitely favor flood control but we want to be assured some provisions will be made for flood waters dumped into the Salt River bed at the edge of Tempe," Cooper said.

The \$100 million countywide plan is now under consideration in Washington, D.C.

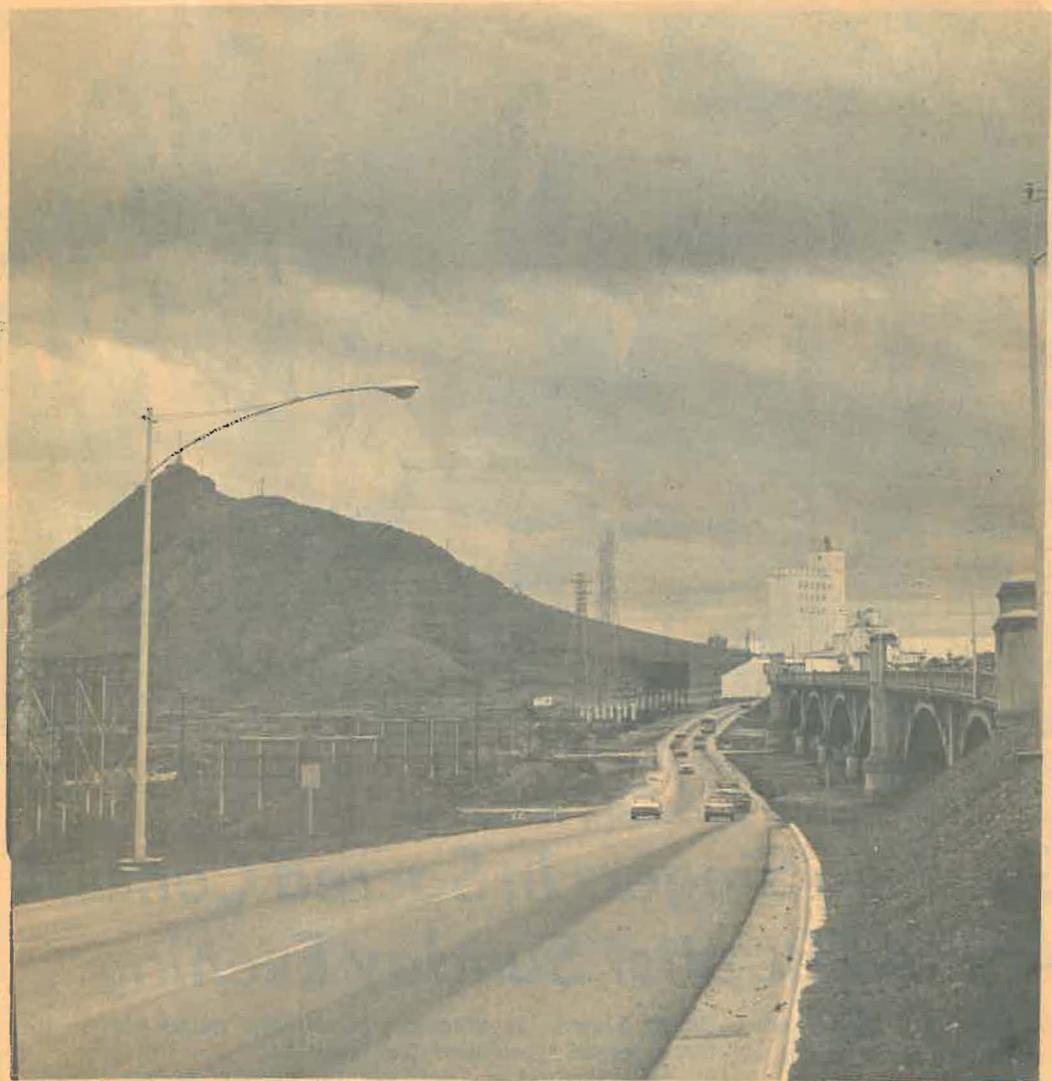
Tempe Mayor John Moeur said the Indian Bend project is designed to dump 40,000 cubic feet of flood water per second in the Salt River bed. He pointed out Arizona State University buildings, as well as other property, are adjacent the river bed.

Cooper said city officials have sent letters to Senators Carl Hayden and Paul Fannin and Rep. John Rhodes asking the river bed situation be considered.

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**BUT NOT FOR LONG** — Dark cloud bank over Tempe Butte yesterday (Thursday) foreshadowed things to come. Northbound lane leading to Phoenix had been cleared day before of silt deposited by last week's flooding and the sun broke through the clouds just after this photo was taken. Today area is flooded again.

Bill Dooley photo

**JUST IN CASE —**

# Disaster Committee Checks Plans For Possible Flooding

Tempe does have a disaster plan and it was reviewed Wednesday afternoon.

Surprised?

Well, since the advent of Civil Defense several citizens of the community, primarily administrative personnel of the city, have worked on and kept up-

dated such a plan — even including possible floods.

That was the reason for Wednesday's huddle.

To check out the program an emergency call went out and the staff assembled in less than 10 minutes. Then, for 30 to 40 minutes they discussed the

“flood situation” — a distinct possibility in the immediate future.

Chief of Police Worth Farley headed the parley which was attended by: Gale Christy, acting manager; Bill Hanna, fire chief; Lou Scherer, public works director; Kent Swisher, administrative assistant; Douglas N. MacArthur, city attorney; C.C. Rivers, building department; Joe Salvato, parks and recreation; and Harry Foard, finance director.

Mayor John Moeur is also a member of the committee.

Discussions centered around — in downstream order — the Arizona Public Service Co. Ocotillo power plant; the campus of Arizona State University; Tempe's central business district; the city's sewage disposal plant; and, the three livestock feeding operations in the river between 48th and 56th street.

# \$3.5 Million Program To Stop City Floods

The City of Tempe will spend \$3.5 million in the next two years in an attempt to

eliminate flooding like that which plagued some areas of Tempe Sunday.

Grover Serenbetz, city public works director, said the money would be used to expand the city's storm drainage system.

The statement was made after homeowners in flooded areas complained Monday the city was doing nothing to prevent flooding.

Mr. and Mrs. Bert Barnum, 14 East Balboa drive, were flooded for the fourth time in Sunday's deluge, during which nearly two inches of rain fell in central Tempe. (Photo in Monday's TDN.)

Other homeowners in the Balboa drive-Mill avenue section of the city suffered similar fates. Some told a TDN photographer they were going to sue the City of Tempe.

Serenbetz blamed debris trapped in a drainage ditch trash gate for causing the flooding of the homes.

He said moss growing along a drainage ditch which runs near the area apparently dislodged and swept into the trash gates other debris, clogging the gates.

According to Serenbetz, the drains were cleaned three times during the Sunday downpour and are cleaned each week as a precautionary measure.

Heaviest flooding in Tempe was in the area of Mill avenue underpass and on Riviera, just east of Rural road. Homes were flooded between Alameda and Balboa east of Mill.

## River flow to close crossings

The Salt River Project opened the tap on the river through Phoenix today, sending 900 cubic feet per second over Granite Reef Dam in Scottsdale.

"Nine-hundred cubic feet per second into the Salt River channel isn't much water," Dick Juetten, assistant general manager, told emergency agencies. "It may be well into Sunday before we see it."

The flow is expected to close unbridged river crossings throughout Mesa, Tempe and Phoenix for the next two weeks.

"It's a nice problem," Juetten said. "The storm two weeks ago on the 15th and 16th of March really made our season."

Without those high-country snows, reservoirs on the Salt River would have remained unfilled, forcing SRP to pump at least 100,000 acre-feet of ground water this year, he said.

An acre-foot of water covers one acre to the depth of one foot and supplies an urban family of five for one year. Electricity to pump an acre-foot costs about \$30.

# SRP Prevented Worse Flood, Manager Claims

## 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.

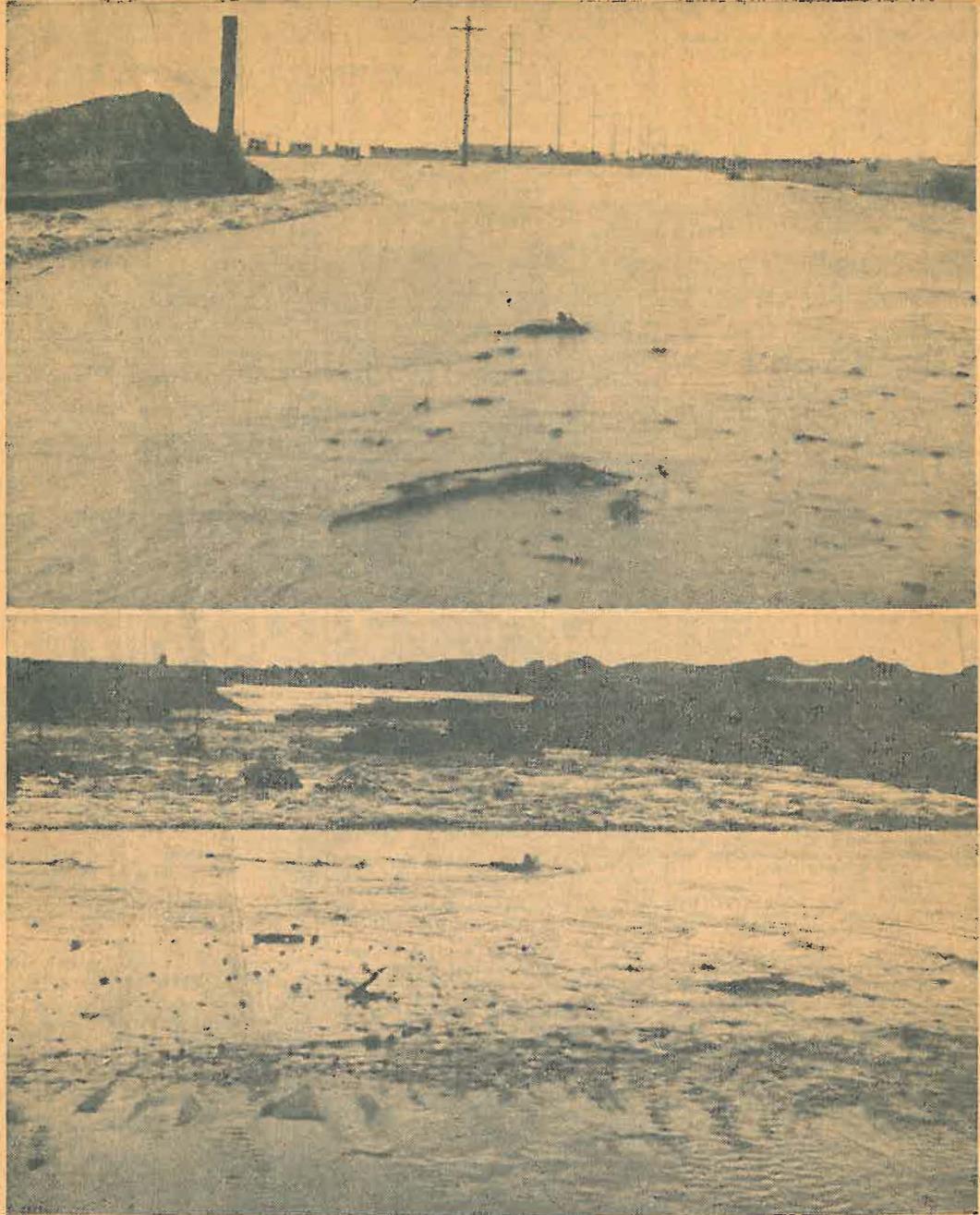
As a matter of fact, within the period since December 20, two floods occurred. Without the modifying effect obtained by the presence and management of the SRP dams, each of the two onrushes of water would

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

During the brief period of heavy rains and melting snows immediately before Christmas, water accumulated with alarming speed in both systems of reservoirs, the two on the Verde and the four on The Salt. Had the reservoirs been full, or even near full, before this inflow, the SRP would have been unable to prevent the water from rushing on downstream. Such a flow, at its maximum, could have been three times as great as the maximum flow of the New Year weekend. And it would have hit the downriver area as a flash flood, rather than as a gradually increasing flow.

By Friday, December 24, the reservoirs were nearly full. On Christmas Eve it became necessary to open the Roosevelt spillways for the first time since 1941. The amount of water released over Christmas weekend was small enough to be contained by the low-flow channel, which by the way is not the Salt's historic riverbed. Damage was done to the Hayden road crossing, but by the beginning of the week it was possible to reopen Country Club drive and the northbound lane of Mill avenue.

Continued on Page 41



**BARRIER REEF** — The approaches to Tempe via Hayden and Scottsdale roads looked like this Saturday evening and most of the day Sunday as water from the broken Evergreen ditch surged over both roads at the river bottom. At top, a sheet of water covers Hayden road. Below, currents cross and twist to find a new channel from Scottsdale road toward the Butte. Katy Worth photo

(Continued from page 1)  
 river channel near the Hayden road crossing.

Bob Snyder, city engineer, reported no major damage to any city streets. The Rural and Hayden road crossing will need repair, especially along the shoulders of the roadway. The Arizona Highway Department is responsible for upkeep of the Mill by-pass.

About midnight Saturday a couple of youthful Chandlerites

decided to ignore the Hayden road barricades, drove around them and into the water where their car stalled. Fortunately it stalled where the water was shallow or it might have been washed downstream. One of the youth reportedly could not swim.

A tow truck was called for removal of the vehicle.

■ America needs more flag wavers!

# River Floods Roads

## Tempe Bridge Only East Valley Crossing

The Salt river was running, river crossing roads were closed, and traffic was snarled on Mill avenue Wednesday morning — all the aftermath of a wet, early-April.

Prospects are that the Salt, fed by the Verde river, will flow freely for a few more days. Flood control dams north of the Valley were filled to overflowing and irrigation demands were not using all water being released.

Mesa's Country Club drive was closed Tuesday afternoon but crossings in Tempe remained open until late at night or early Wednesday morning. During the day, downstream, Phoenix's 40th, 48th streets and others were closed as the water headed toward the west.

It is not believed the flow is heavy enough to wash out the crossings. Damage can be expected, however.

Usually heavy morning traffic was complicated by the resumption of Arizona State University classes following the Easter holiday. North-bound cars were backed up the full length of Mill and around the curve near Gammage auditorium. South-bound traffic, north of the bridge, strung out on Washington to about Legend City and Van Buren to Phoenix Municipal stadium. Curry road was jammed from end-to-end.

Tempe police put traffic signals on blinker and directed movements manually. In fact, Chief of Police Worth Farley found it necessary to put several off-duty men to work to handle the morning jam. A "repeat" is expected during the evening hours, probably complicated by the fact downstream crossings, open this morning, are now flooded.

Fire Chief Bill Hanna stationed one truck at Hayden Plaza East this morning and planned to direct it by radio if needed. This would avoid

(Continued on Page 7)

## River

(Continued from Page 1)  
bridge traffic. The same procedure is to be continued until roads are open normally.

Police telephones have been "swamped" throughout the day regarding what routes were open. The standard reply very early was: "Use Tempe bridge."

Reports of a "disastrous flood" were denied all round. One caller queried the Arizona Highway Patrol with: "Is water running over Tempe bridge?" Actually, the flow at the bridge is three to four feet deep over the Mill avenue river bottom by-pass.

Some ponds used by Scottsdale's disposal plant were washed out.



## Salt River

12:50 p.m. Dec. 31, 1965

**CONTROLLED CHANNEL** — At the same time the Salt River was flooding a  $1\frac{1}{4}$ -mile-wide section at Scottsdale Road, an equal quantity of water was confined to this relatively narrow channel

less than 500 feet wide at 16th Street. Flood officials think this indicates appropriate flood control measures in the Scottsdale Road area could be expected easily to control a water release such

as occurred Dec. 31. A deeper existing channel at 16th Street, plus the natural excavating effect of the heavy flow, contributed to keeping the Salt River well confined at this point.

## Council Lauds Flood-Control Dam Project

The Phoenix City Council today prepared a resolution praising the Maricopa County Board of Supervisors' decision to build the Cave Creek and Dreamy Draw flood-control dams.

Vice Mayor Jarrett Jarvis said, "we want to give a word of commendation and support to the supervisors for this wise move."

Councilwoman Sophia Kruglick said, "It is fitting we do so because the people of Phoenix will be among the principal beneficiaries of the two dams north of the city."

Mrs. Kruglick recalled City Engineer Fred Glendening's warning that flooding such as occurred in 1921 and 1943 could hit an area between the Arizona Canal and the Salt River, affecting 95,000 people, 30,000 dwellings and 36 schools.

**Flood Control** Bids will be received by the Maricopa County Flood Control District, 3325 W. Durango, Phoenix, on August 15, for the Vineyard Road Dam. The project (shown as No. 18 on the accompanying map, located south of Apache Junction; estimated cost is about \$600,000.

This structure will be built under contract to the Soil Conservation Service, although the Maricopa County Flood Control District will handle inspections and engineering and will assume maintenance upon completion. Permanent easements for this project, as well as the Powerline Dam, just completed, and the Rittenhouse Dam, to be built next year, have been granted by the State of Arizona, thereby reducing the overall cost considerably.

The Powerline Dam (shown as No. 16 on the map) was built by Wm. Pulice Concrete Construction, of Phoenix, an AGC contractor. (See pictures - p. 2) The Rittenhouse Dam (No. 36 on the map) is scheduled to be called for bid next spring or summer. This will also be a Soil Conservation Service project.

Funds for construction and maintenance of several other flood-retarding structures are becoming available to the Maricopa County Flood Control District through the present 2¢ flood control levy for each \$100 of real property evaluation. In some cases, federal participation through the Soil Conservation Service will make construction of these projects more feasible.

Continued on AGC page 4

Arizona Chapter, AGC Views & News 1

# Tempe Gets Assurance On Floods

Tempe city officials were assured again today that a proposed \$115 million county flood-control program includes measures designed to protect the city against possible future flood damage.

In a letter to the Tempe City Council, John C. Lowry, flood district chief engineer and general manager, stressed that the Tempe area would not be endangered by any of the proposed projects covered by a comprehensive flood control plan. The plan was approved last November by the county board of supervisors.

Lowry's letter also reaffirmed an earlier agreement giving city officials the responsibility of issuing building and development permits within Tempe's city limits.

Last month, the Tempe city council approved a resolution opposing portions of the proposed flood-control program. At that time, fear was expressed by Tempe officials that the city might suffer future flood damage if a levee system were not first installed along the south bank of the Salt River.

Lowry said present plans call for a levee system unless need for the project is eliminated by prior construction of proposed Maxwell Dam.

# Three-Part Flood Plan Is Proposed

A three-part flood control project costing an estimated \$70 million has been proposed as a means of curbing flood damage in the Phoenix metropolitan area.

District engineer Col. Earl Peacock, of the U.S. Corps of Engineers, Los Angeles, yesterday reviewed the history of flood damage in Maricopa County and outlined recommendations which he said would offer a solution to flooding problems in north and northwest sections of the county.

**THE PROPOSED** program, he said, would provide future flood protection in areas of northwest Phoenix which last August suffered water damage estimated at \$2 to \$3 million.

The plan, labeled "Phase B" by U.S. Corps of Engineers, could be divided into three parts, including:

- A system of dams on Cave Creek, Skunk Creek, New River and Dreamy Draw.
- Diversion channels in Deer Valley to divert residual flows of Cave Creek and Deer Valley to Skunk Creek.
- Channel improvements extending along Cave Creek, Dreamy Draw, Skunk Creek, New River and Agua Fria River to the Gila River.

**COLONEL PEACOCK** said extensive surveys and studies completed by his staff show that approximately \$2.80 in benefits would result from each dollar spent on the proposed program.

Under the proposed plan, the federal government would spend \$59.7 million on construction of 10 components of the over-all project, and the county would furnish the balance of \$10.3 million. The county's share of the cost would cover relocation and modification of highways and

Howard Scott, 40, of Phoenix, was released in fall for several months after being held in jail for several months. Scott, freed by visiting friends, was released in fall for several months. Scott, freed by visiting friends, was released in fall for several months. Scott, freed by visiting friends, was released in fall for several months.

# Flood Victims Demand Channel Through Gila Saltcedar Jungle

PEOPLE OF BUCKEYE Valley, Arlington Valley and Rainbow Valley are determined that there shall be a clear channel down the Gila River, to prevent any more disastrous floods like the floods of 1973.

They are preparing to do battle with the sportsmen and "ecologists" that blocked a channelization plan of the Army Engineer Corps.

The lead is being taken by the Buckeye Irrigation Co., which

operates the irrigation system of Buckeye Valley. A close ally is the Arlington Irrigation Co., which performs the same function in Arlington Valley where most of the farm damage of March and April was inflicted. Inhabitants of Rainbow Valley talk of forming an association so they can join the campaign in organized fashion. Property owners farther down the river, all the way from Gillespie Dam to Painted Rock Dam, are strongly in favor of channelization.

Director Robert Jantzen of the Game and Fish Department has consented to meet with representatives of the flood victims. Whether this means a meeting with the Game and Fish Commission or with Jantzen alone is not known at this writing.

## Photos Tell A Story

But the ball is rolling and the demand for channelization will be supported with ample pictorial evidence, thanks to the Maricopa County Flood Control District.

The District's director, Col. John

ARIZONA FARMER-RANCHMAN for June, 1973

only reporter and a good half of the stories I wrote were picked up at the Adams. It was there that everyone played poker of nights and on Sundays. It was there that I interviewed giants of the copper industry, like Jack Greenway, and heard of "strikes" that turned out to be non-commercial because the ore assayed only a trifling two or three percent. I was tipped off to many a good story by a young desk clerk named Foster Rockwell, fresh out of Yale where he had been a football star. He soon married Margaret the daughter of John C. Adams, the hotel's proprietor, and became the hostelry's manager. Yes, and it was at the Adams that I covered the first convention of the American Cattle Growers Assn. to be held in Arizona. I got well acquainted with its president, H. A. Jastrow, long the principal spokesman for the nation's stockmen. (Did Bill Davis or Dick Schaus ever hear of him?) Convention arrangements were made by a committee headed by Dr. J. C. Norton, later to become state veterinarian. The Adams was half consumed by fire in 1910, not "burned down" as the chroniclers of its demise have written. I wrote a main big story for the Gazette, also a lot of "side bar" material about how the various guests escaped. One was a permanent roomer, Artie Stice, the

*Buckeye*

## Supervisors Call Public Hearing On Proposed Flood Control Program

The Board of Supervisors has called a public hearing for 10 a.m. Wednesday, Nov. 20, on a proposed comprehensive flood control program for Maricopa County.

They tentatively adopted the program in order to set the hearing date. The comprehensive plan was drawn up by the Maricopa County flood control district advisory board and district engineer based on independent engineering studies by local firms.

The comprehensive program is divided into three priority groups. Total estimated cost of the program is \$115 million of which the federal government would pay \$89.6 million and the district, \$25.8 million.

Board Chairman Barney Burns emphasized that the first step is approval of a comprehensive program. After that cost would be estimated and a bond issue called. If the full program is approved, debt retirement would be set up for a period of from ten to 20 years in order to hold the flood control district taxes to a minimum, Burns said.

Projects affecting the Chandler area are:

Buckhorn-Mesa structures —

four retarding structures 11.2 miles long and 8.1 miles of floodways. Debris basin and division box to utilize floodwater for irrigation purposes;

Apache Junction-Gilbert structures — retarding basin south of U. S. 60-70-80-90, 4,135 acre feet storage with 3,960 reserved for flood storage. Dam will be 3.9 miles long, maximum height, 25 feet. 14.8 miles of floodways to operate in conjunction with retarding basin;

Mesa-Chandler-Gilbert floodways — 29-mile system of channels eventually emptying into Gila River;

Williams Field-Chandler structures — Two retarding structures totalling 9 miles in length, 9.2 miles of floodways;

Queen Creek floodway — Channel from Roosevelt Water Conservation District Canal across Pima Indian Reservation to Gila River.

# Gila River Floods South Of Buckeye

Gila River floodwaters are causing havoc with farm communities south of Buckeye, the sheriff's office reported today. The highway patrol closed U.S. 80 three miles south of Buckeye at the river crossing when waters began to flow over the bridge and wash out the western side.

The flood threat to the Arlington and Palo Verde communities was reduced some, according to Lt. James Hill of the sheriff's office, after district engineers dynamited the floodgates of the Gillespie Dam south of the area on Sunday.

**WATERS HAD** threatened the communities when the area behind the dam filled and started to back up along the river, he said.

The gates at Gillespie Dam had not been opened since it was built in 1930 and engineers worked for a week to free them before the action was taken. (Gillespie is an earthen dam built during Depression years).

Near the Gila Bend Indian Reservation at least 10 trailer homes have been moved and several new homes are now under water and more are threatened by flooding conditions, Hill said.

The Painted Rock Dam now has 8,000 acres of water backed up behind it and several farms are under water, deputies from the Gila Bend substation reported today.

**IN ADDITION**, six miles of the river below the dam are filled with water for the first

time ever, and the town of Aqua Caliente is cut off at the river as it enters Sentinel, deputies said.

Rainbow Valley is cut off from direct contact with Buckeye and schoolchildren are being bused west over the Gillespie Dam bridge to schools in Buckeye today.

The Hassayampa River, which flows through Wickenburg, is posing no immediate flood threat to the city although it has now been running bank to bank for 10 weeks.

The section where the Hassayampa joins the Gila River near Palo Verde is still in a danger threat, Hill said, as is the section on U.S. 80 where the highway runs alongside the river, just west of Avondale.

Patrols are also keeping a watch on the Patterson Road section of the highway where the new and old highways join.

## Firm Challenges Low Bid on Dam

A Tucson company was the apparent low bidder yesterday for the construction of Vineyard Road Dam south of Apache Junction.

Ashton Company Inc.'s bid of \$514,621 was lowest of the eight opened at the County Flood Control Department, 3325 W. Durango.

A representative of William Pulice Concrete Construction, 3801 N. 43rd Ave., challenged the Ashton bid on the ground that plans and specifications were not attached.

JOHN C. Lowry, chief flood control engineer for the county, asked the protestor to put his complaint in writing for referral to the district's legal counsel.

The Pulice firm submitted a second low bid of \$516,153.

The earthen dam will be situated 4½ miles south of Apache Junction in Pinal County, east of Vineyard Road. It is the second in a series of three dams planned by the Maricopa County Flood Control District to protect property and installations in eastern Maricopa County. Nearby, the Powerline Dam was dedicated April 7.

COST OF building the dams will be borne by the federal government, and Maricopa County will maintain the structures.

District 3 Supervisor L. Alton Riggs said a contract for the

Vineyard Road Dam will probably be let near the end of the month. Construction is expected to start in mid-September, he said.

Construction on the third structure, Rittenhouse Dam, is expected to start in 1968.



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CHANDLER ARIZONAN  
Chandler, Arizona, Thursday, November 7, 19

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Monday, January 7, 197

Mesa Tribune Pg. 17

## Floodway

## Meet Slated

## At Chandler

A meeting for discussion of the Williams Air Force Base-Chandler Watershed project will take place Thursday night, Jan. 10, in the basement of the Chandler Police Department building, beginning at 7:30 p.m.

The building is located at 250 E. Commonwealth Ave.

So far, as a part of the project, the Vineyard Road and Rittenhouse Floodwater retarding structures have been constructed.

Sponsors of the project, which include the East Maricopa Natural Resources Conservation District and the Maricopa County Flood Control District, asked the U.S. Soil Conservation Service to study the feasibility of extending the Roosevelt Water Conservation District floodway to the Gila River.

The study has been completed, and a chief topic at the Jan. 10 meeting will be a review of that study. Comments of those interested will be used in developing a supplement to the authorized plan.

Those not able to attend the Jan. 10 meeting are invited to submit written material on the topic to Walter D. White, chairman of the East Maricopa NRCD, 110 N. Oregon St., Chandler, Az., 85224, or to Col. John Lower of the Flood Control District of Maricopa County, 3315 W. Durango, Phoenix, 85009.

# Aqueduct dike<sup>5/17</sup> plans detailed

By DENNIS CARROLL

About 35 members of the North Scottsdale Homeowners Association last night got their first detailed look at drawings for the proposed 12.8-mile section of the Granite Reef Aqueduct which will pass through their community.

At the same time they were urged by both a critic and proponent of the Central Arizona Project to attend CAP environmental impact hearings being held today and Thursday at Scottsdale Community College (See above).

Michael Thomas, the acting chief of the engineering division of the Bureau of Reclamation's Arizona projects, told the homeowners that the aqueduct and its landscaped dike would provide many recreational uses while "incidentally" acting as a protection against floods.

He said the earthen dike, while protecting the Paradise Valley section of the 182-mile-long canal from drainage coming from the McDowell Mountain foothills, also would provide flood protection from the same waters for residents south of the canal.

The homeowners expressed concern, however, which Thomas told them the dike could not protect them from rain waters which fall south of the aqueduct.

The Paradise Valley section of the canal is to run southeasterly from Cave Creek Road

and about Union Hills Drive to 108th Street and Cactus Road.

Thomas said the dike provides flood control for the area by feeding flood waters from the 128-square-mile drainage area north of the proposed dike into four areas along the aqueduct. He said that CAP engineers have planned no spillway from the canal into the Indian Bend Wash.

Instead, Thomas said, the basins will be constructed to contain flood waters that would result from previously determined maximum potential rainfall in the drainage area.

Also at the gathering at Cocopah Elementary School was Frank Welsh, an independent environmental engineer who has been leading the opposition to the CAP.

Welsh maintained the CAP would cost water users \$68.5 million for the next 50 years for water that's not needed.

He said surveys by state and Federal water experts show the state's underground water table could provide water for 10 million people for decades to come.

Welsh contended the Salt River Project currently overstores water in its reservoirs. He said if water was stored in the proper amounts its release could be controlled to provide a continually running Salt River through the Valley.

# Channelization Of Agua Fria Is Defended

By BRUCE KIPP

Under normal conditions, channelization of the Agua Fria River will not cause any flooding downstream in the Gila which the Agua Fria joins near Avondale, Col. John C. Lowry, chief engineer and general manager of the county flood district, said today.

He cited the 1966 Salt River runoff which caused a flow of about 60,000 cubic feet of water per second past the area embracing the county's Sierra Estrella golf course. He pointed out that there was no damage at that time to the park and course, although the road leading in was flooded.

LOWRY'S VIEWS were shared, in general, by Homer Richards, urban freeway engineer for the Arizona Highway Department.

To obtain fill to build Interstate 10 and a freer flow of water past the bridge carrying that freeway over the Agua Fria, the highway department plans to channelize the river for five miles downriver.

Members of the county park department's parks and recreation commission last week indicated concern over this channelization lest it result in the unundating of the park by dumping water into the uncleared Gila River where it would spread out, soaking everything in sight.

A \$2 MILLION park they're going to dump water

into it right from Interstate 10," declared commission member Dale Dombey who, with Parks Director Thomas R. Wardell, brought the situation to the commission's attention.

As a result the commission adopted a resolution passing the ball to the Maricopa County Board of Supervisors for its determination.

Lowry said Casey Abbott Park and its Sierra Estrella golf course could only be flooded if a standard project flood of 100,000 to 150,000 cubic feet per second should occur.

SUCH A FLOOD happens about every 200 years, he said, citing the 1891 Salt River flood which brought water 300 feet north of Washington Street in Phoenix at a point or two.

But, said Lowry, even a standard project flood would cause no erosion on the golf course because the water would be spread out and slowed down in velocity. He added, however, when the water receded there would probably be some silt left.

However James L. King, Goodyear businessman who owns a section of land adjacent to the course, said a "competent architect" recommended to the Westside Community Council that the Gila be channelized downriver from the Agua Fria to carry off this flow.

Salt  
KING, WHO HAD 100 acres of maize planted in the same flood plain as the golf course, is a member of the Westside Community Council.

Concerned over development of the area as planned by the county park department, Richards said King has been in to see him a couple of times and has called up, too.

"I didn't know a thing about his having any farmland down there," Richards said.

KING ALSO denied a connection between him and the park.

"What we're doing is for the best interests of the westside," he said.

Lowry said the answer to the whole problem is the removal of such obstructions as salt cedars from the Gila from about 115th Avenue to the Gillespie Dam, about 30 miles downstream.

THIS PROPOSAL, offered by the U.S. Corps of Engineers in 1957, would result in a cleared area down the center of the river, Lowry said. Down this, Lowry explained, the water could flow speedily without slowing down and spreading out.

But, said Lowry, the game and fish department had enough influence to prevent this clearing project from being carried out.

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REPUBLIC  
12/5/17

## \$25,700 Will Build Horse Trail Bridges

A Tempe firm was awarded the contract yesterday to build four equestrian bridges across the Arizona and Crosscut canals.

The Maricopa County Board of Supervisors accepted the \$25,700 low bid of J. W. J. Construction Co., 4543 Transmission Road, Tempe.

Engineer Leroy Lewis of the County Parks and Recreation Department said three of the concrete bridges will be over the Arizona Canal, west of 19th Avenue, at 24th Street, and west of 68th Street. Another bridge will be built across the Crosscut Canal 400 feet south of McDowell.

LEWIS SAID the bridges will improve the Sun Circle hiking and riding trail.

The project is the only one in Arizona being partly financed by the secretary of the interior's special contingency fund, said Lewis.

In other action yesterday, the supervisors:

—Accepted an offer by Pinal County to maintain three flood control dams south of Apache Junction. Maricopa County flood control engineer John C. Lowry said the offer would save Maricopa County about \$8,000 a year.

SITUATED in Pinal County, the three dams are Maricopa County projects designed to protect eastern Maricopa County areas from floods.

Lowry said Pinal County offered to maintain the structures because the dams will

protect Vineyard Road in Pinal County from floods.

—Followed the recommendation of the Maricopa County Sheriff's department in refusing to grant an emergency vehicle permit to David Marsh of 19615 N. 19th Ave. A spokesman for the sheriff's department said Marsh wanted to use a pickup truck as a fire vehicle, but his employer, Rural Fire Department, opposed the application.

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10/24

# Dam supporters withstand bid to cut funds

By Sean Griffin  
Gazette Washington Bureau

WASHINGTON — Proponents of a controversial dam to be built on the Verde River east of Phoenix have fought off a challenge from environmentalists as the House Appropriations Committee completes work on energy and water legislation.

The Thursday skirmish was led by Rep. Larry Coughlin, R-Pa., a nine-term veteran from the Philadelphia suburbs.

Coughlin sought to delete \$326,000 earmarked for pre-construction work at the dam site. The funds would be used in part to study ways to mitigate the effect of dam construction on the endangered bald eagle.

"The precedent it would set is very shattering," Coughlin said, "because it involves the use of dam safety funds not for the repair of existing

dams but for construction of a new dam."

Coughlin cited a recent report from the federal government's General Accounting Office, which concluded that using dam safety funds for Cliff Dam's construction would violate the law.

Coughlin also argued that Cliff Dam had little to do with dam safety.

"The real beneficiaries of the dam would be real estate developers downstream," he said.

The \$326,000 in the bill would not come from the Bureau of Reclamation's dam safety account, but from its general construction budget.

The bureau, citing the expense of repairing two unsafe dams near the proposed dam site, has proposed to partially finance Cliff Dam as the most cost-effective solution to the Verde River's dam safety problems.

Opposing Coughlin were Reps. Eldon Rudd,

R-Ariz., and the chairman and ranking minority member of the energy and water development subcommittee — Tom Bevill, D-Ala., and John Myers, R-Ind.

"If we don't do this, it will cost the taxpayers a far greater amount of money over a longer period of time," said Rudd, whose congressional district includes the dam site.

Bevill defended the appropriation as money that would be used to protect eagles, while Myers joined in on the financial argument.

Cliff Dam is part of Plan 6, a proposal to build two dams and raise the height of a third to provide regulatory storage for the CAP and flood control for the Valley.

Ed Osann, lobbyist for the National Wildlife Federation, called Coughlin's unsuccessful effort "the opening shot in a long campaign . . . We'll be back."

## Bid to ease Cliff Dam advances

Legislation designed to ease environmentalist opposition to construction of the controversial Cliff Dam was approved Wednesday by the state Senate Natural Resources and Agriculture Committee.

Senate Bill 1397 would establish a \$2 million fund to make habitat improvements along the Verde River. Such a fund is required under a state-federal funding agreement designed to speed completion

of Central Arizona Project dams.

The construction of Cliff would destroy a scenic stretch of the Verde River and flood the nests of two pairs of endangered bald eagles.

To prevent construction of the \$385 million dam, a coalition of national environmental groups has filed suit in U.S. District Court.

The \$2 million fund would be used to protect the environment elsewhere on the Verde.

# Cliff Dam foes vow court fight

Eagle habitat in peril,  
Audubon Society says

By MARY A.M. GINDHART  
Arizona Republic Staff

The Maricopa Audubon Society promised Tuesday to sue to stop the construction of the proposed Cliff Dam on the Verde River east of Phoenix, which would flood the habitat of desert-nesting bald eagles, an endangered species.

In response, Gov. Bruce Babbitt appointed a committee to negotiate with the society in hopes of keeping the issue out of court, where it could endanger Arizona's efforts to make a deal with Congress on funding for parts of the Central Arizona Project.

Herb Fibel, president of the society, said the National Audubon Society also has vowed to fight construction of the dam because of the eagles and because that part of the Verde River has been designated a federal wild and scenic river.

"We're not going to roll over and play dead on this one," Fibel told members of a larger Babbitt committee studying local funding for parts of the CAP. "We'll use every legal method possible to fight the building of Cliff."

Cliff Dam, one of the CAP's Plan 6 projects, would work together with a modified Roosevelt Dam on the Salt River to provide flood control on the river through the Phoenix area.

Cliff Dam is needed to narrow the river channel for the planned \$1 billion Rio Salado Project, which would reclaim riverbed land for building homes, hotels, recreational areas, businesses and industrial plants.

Assistant Interior Secretary Robert Broadbent warned the Babbitt funding committee that unless Arizona is in complete agreement when approaching Congress with a Plan 6 funding offer, the chances of approval would be slim.

"Your only chance is to go as one voice," Broadbent said.

Members of the funding panel are looking for ways to use local money to help speed up completion of Plan 6. They plan to make a recommendation to Arizona's congressional delegation by September.

Babbitt selected Jack Pfister, Salt River Project general manager; Bill Chase, Phoenix water-management adviser; and Jay Rhodes, member of the Central Arizona Water Conservation District, to meet with the local Audubon Society and try and resolve the matter.

Cliff Dam is important to the SRP and the city because it would resolve safety concerns about the existing Horseshoe Dam, and Phoe-

## Dam

Continued from B1

nix is interested in buying the CAP water that would be stored the lake Cliff would form.

The proposed dam's original primary purpose was flood control, but since floods in 1978 and 1980, major work has reduced chances of flood damages. Bridges to withstand larger water releases from existing dams have been built, a runway at Sky Harbor Airport has been protected, and the town of Allenville has been relocated.

"Cliff's sole and single purpose now is to narrow the flood plain in order to develop flood plain real estate deep within the presently vacant Salt River of metro Phoenix," said Dr. Robert Witzeman, past president of the Maricopa Audubon Society.

Witzeman questioned whether any of the funding-panel members would buy property in the riverbed that will have as high as a one-in-five chance of being flooded, depending how close the land is to the river.

He said the Rio Salado Project would create 1,400 acres of new lakes in the Salt River Valley, which now has 1,600 acres of lakes.

"The Rio Salado and its Plan 6 real-estate dams send a profligate image of Arizona to the world," Witzeman said. "We squander the nation's income-tax dollars to build water-wasting, flood-prone real-estate scams in the desert for the express benefit of one of the nation's richest, fastest-growing cities."

# Dam fund shortfall possible

By Sean Griffin

Gazette Washington Bureau

WASHINGTON — Gov. Bruce Babbitt will offer \$327 million in local funds Tuesday to speed completion of Central Arizona Project dams.

But the offer, to be considered by the state's congressional delegation and Interior Department officials, appears to be \$127 million short.

That \$127 million equals the federal dam safety dollars planned for Cliff Dam's construction.

Babbitt's up-front funding committee and U.S. Bureau of Reclamation officials assumed that Cliff Dam could be built partially with federal dam safety funds because Cliff would replace the unsafe Horseshoe Dam, on the Verde River, and protect Bartlett Dam downstream.

Environmentalists and some lawmakers are challenging that assumption, arguing that Congress has made it clear in approving \$650 million for dam safety repairs in 1984 that none of the funds was to be used to build new dams.

"This is probably going to be the real hang-up," Rep. Jim Kolbe, R-Ariz., said.

There was no "probably" about it in the minds of CAP opponents.

See • Dams, A-4

## ● Dams

From A-1

"Cliff Dam is not a repair. Cliff Dam is a new dam. There's no question in my mind that Cliff Dam is a new dam," Doug Lowenstein, a top aide to Sen. Howard Metzenbaum, D-Ohio, said.

Lowenstein said that during the 1984 negotiations that led to passage of the dam safety bill, "the issue of new dams was raised, and we made it clear that you couldn't use the money for new dams."

Sen. Dennis DeConcini, D-Ariz., agreed that "safety of dams money was not to be used for new construction," including Cliff Dam, under a 1984 agreement worked out with Metzenbaum.

Michael Rappoport, the chief lobbyist for the Salt River Project, disagrees.

The ban on use of dam safety funds for new construction stems from an agreement between Metzenbaum and Senate Energy and Natural Resources Committee Chairman James McClure, R-Idaho, Rappoport said.

The McClure-Metzenbaum agreement "was intended to prohibit the construction of a new Roosevelt Dam on the Salt River or a new Jackson Lake Dam in Idaho," Rappoport said.

Because Cliff Dam is a legally authorized "suitable alternative" to Orme Dam, an abandoned CAP project, Cliff Dam should not be considered a new facility, Rappoport said.

Alternatives to dam safety funds for Cliff Dam include water user contributions and CAP appropriations.

# *Salt River Bottoms Could Make Quite A Lake, Aerial Photo Shows*

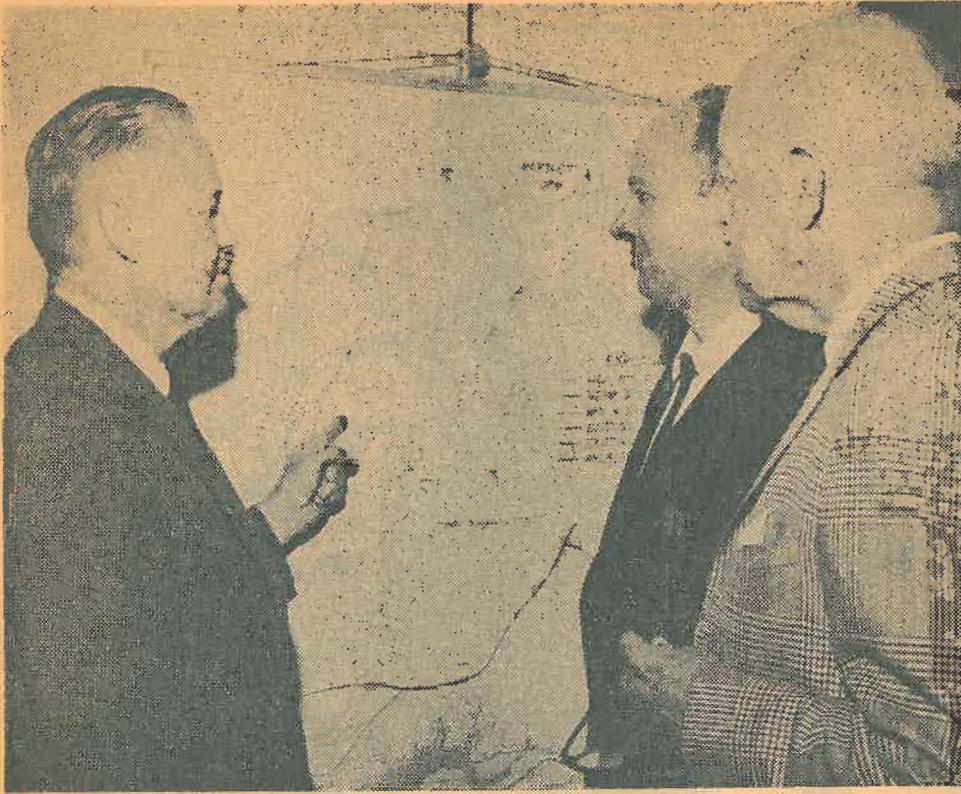


**GRAVEL PIT LAKES** — Phoenix's new lakes, created by the recent flow of floodwaters down Salt River into the gravel pits between 16th Street on the left, and Seventh avenue on the right, present this sight from the air. Some of the lakes filled 40 to 50 feet deep, and they were found al-

most immediately by motorboat enthusiasts. They also were found by Leonard Halpenny, engineer for Water Development Corp., who had been retained by the Buckeye Irrigation District to investigate water losses along the Salt River channel. The gravel pits, Halpenny pointed out, ac-

tually are stealing and retaining for Salt River Project farmers who have wells near the river water which belongs rightfully to the Buckeye

need for a flood channel for the Salt, pointing out that virtually everything in this picture, and more to the north, has been under water in past floods.



Gazette Staff Photo

Oliver H. Lillard (left) of the U.S. Bureau of Reclamation discusses proposed Maxwell Dam northeast of Phoenix with Henry Leppla (center), vice president of Mesa Chamber of Commerce, and Lew Haas of the Phoenix Chamber.

## Engineer Says Dam Feasible

Gazette's Mesa Bureau

MESA—Maxwell Dam, northeast of Mesa, is feasible even without the proposed Central Arizona Project.

That's the opinion of Oliver H. Lillard, chief of the engineering division, in the Phoenix office of the U.S. Bureau of Reclamation.

Speaking yesterday before a meeting of Valley Chamber of Commerce presidents and managers, Lillard said Maxwell Dam would pay for itself because of the varied duties it could perform.

"IT WOULD make valuable returns in flood control alone," he said. "In addition, it would create a fine recreation center for this growing metropolitan area and it would furnish some electric power."

Lillard, however, did not sell the Central Arizona Project short. "I am confident it will come up before the next Congress and has a good chance of passing," he said.

Central Arizona Project entails a complicated program of moving water from Parker Dam through viaducts to a reservoir that would be created behind Maxwell Dam. From that point, it would be distributed as far south as the Tucson area.

Lillard said Maxwell Dam would create an L-shaped lake with one leg going north along the course of the Verde River and the other east along the Salt River.

"MINIMUM SIZE of the lake would be three miles north and six miles east. With maximum water supply from all sources, the north leg would be 10 miles long and the east leg, eight miles long."

The dam would be located where the Verde and Salt rivers join, and would be an earth-fill dam more than a mile across and 195 feet high. Original cost estimate was \$40 million, but Lillard said this would be higher now.

Part of the Phoenix-Payson highway would have to be relocated if the dam is constructed, Lillard said.

The dam would be about 15 miles northeast of the Phoenix-Scottsdale-Tempe-Mesa population complex, and would provide excellent recreational facilities with the lake it would create, Lillard said.

Fifteen local club leaders called together by Boss Luke White of the Round Up Club to discuss a revival of interest in a dam in Box Canyon four miles above town spent the hour from 10 to 11 a. m. Tuesday as follows: Wickenburg, Sun.

(1) Heard Delbert Kirby, local recreational director, say that Maricopa county officials are unanimously in favor of a dam on the Box to provide a large recreational area for the county.

(2) Heard Hal Warner, member of the Maricopa County Flood Control District say that while his organization has prepared an estimate of the cost of such a dam as around 12 million dollars, the money to build it would have to come from the U. S. Department of the Interior.

(3) Heard City Attorney Frank Stanlis say that while his close friend Secretary of the Interior Stuart Udall might favor the dam, the money would have to be appropriated by Congress and Arizona already has more than its share of federal money appropriated for recreational purposes.

(4) Heard Warren Kelly of the Arizona Game & Fish Commission say that while his organization strongly favors a dam in the Box it couldn't possibly afford to build it on an annual budget of around 1 1/2 million dollars.

(5) Heard Boss White say, "It looks like we're spinning our wheels; meeting's adjourned."

Attending were Kirby, Warner, Stanlis, Kelly, Reuben Stifel, John Burden, Tom Wilmeth, Bill Bass, Andy Hervey, Carl Brost, R. D. McIntosh, Carl Beillen, Don Kerr and John McCarroll.

Phoenix Republic  
**Supervisors To Study  
Antismog Code Today**  
2-7-63

The Maricopa County supervisors today will meet informally to study proposed regulations aimed at controlling air pollution in the county.

The supervisors took the regulations under advisement last Monday after a public hearing in which several groups argued for specific changes.

The resolutions were recommended for approval last Friday by the county board of health, but a formal decision was postponed until next Monday by the supervisors.

The supervisors are scheduled to begin study of a proposed county-wide flood control program calling for \$135 million in construction of dams, levees and other flood prevention projects.

The two major changes advocated in the proposed antismog code were:

—**HOLDING** hearings before the board of health prior to taking action against a violator of the code. As the regulations now stand, action against an offender could be taken by health department officials and a hearing before the health board would be granted only on appeal.

—Deletion of those regulations aimed at curtailing the emission of gasoline vapors in the atmosphere.

The proposed flood control program was recommended Feb. 6 for supervisory adoption by the county flood control advisory board.

Before adopting the program, however, the supervisors, as di-

rectors of the county flood control district, are required to submit it to a public hearing.

**INDICATIONS** were that the board will study the proposed program for several months before calling a hearing.

Following adoption of the program, the supervisors plan to call a bond election for funds to proceed with construction of the recommended projects.

The size of the bond issue proposed, however, will not be determined until after the flood program is approved. The earliest the bond election could be held would be this fall but there is a possibility it will be held over until next year, said County Manager Charles W. Miller.

# Flood Isolation Of South Side Towns Called Real Danger

MESA (Special)—Almost complete isolation of Mesa and other south side communities from the rest of the Valley due to flooding was predicted yesterday by Voyle Petri, of the Maricopa County Highway Department.

He met with members of the Mesa Chamber of Commerce highway committee to discuss flood control and a bridge across the Salt River at the McDowell-Country Club crossing.

"The dams are almost full," he said, "and weather experts predict more rain. There is snow which will melt in the upper Verde and Salt River watershed areas."

Water will probably overflow the dams above to flood the river

channel, it was pointed out, inundating the McDowell-Country Club crossing as well as the Rural-Scottsdale Road crossing, he pointed out.

Petri cited damage already done to streets and highways crossing the Salt River during the three recent heavy rains. Cost of repairs, he said, would go a long way toward paying for a bridge at the Mesa crossing. He also cited loss of life as a real problem.

"It has been 18 years," he said "since we have had a heavy flow of water in the river to cut off travel across it.

"At that time, Maricopa County had only 80,000 registered vehicles. Now there are 330,000 registered vehicles in the county and

a population of 630,000 compared to 190,000 18 years ago.'

Petri said the economic life of the Valley would be affected by the closing of the river crossing, not only from the standpoint of tourists and visitors avoiding the area because of the traffic delay, but also in loss of time for people living in any community on the other side of the river.

This also would affect, he said, business men having to transact business in other communities.

The committee drew up a recommendation for action which will be presented to the board of directors of the Mesa chamber at the board's next meeting.

Thursday and Friday Night In

# River Flow <sup>Mesa 3/4</sup>

## 'Isolates'

## Mesa Area

Mesa became an almost-isolated peninsula early today, when the roaring Salt River rose over the culverts on North Country Club Drive, closing off this city's major access to Scottsdale, Phoenix and other northern areas.

McKellips Road, the only other major westbound arterial into Scottsdale, has been closed since early this week, leaving Mesa with access to Phoenix and points north only by way of Broadway, Southern Avenue and Baseline Road, across the

to attend classes today because of flooded streets, which kept buses from reaching them.

The problem in getting buses to the areas was caused by the release of water into the normally dry Salt River channel by the Salt River Project.

The SRP was continuing to release water at a rate of 13,000 cubic feet per second into the channel in order to maintain the level of the Bartlett and Horseshoe Lake reservoirs on the Verde River.

At the same time, Mesa school officials said students on the east side of Mesa would also be hampered in getting to school, although all other students would be able to attend classes as usual.

Streets in Phoenix at the Salt and Agua Fria rivers all were closed, while other city roadways were reported water-covered but passable.

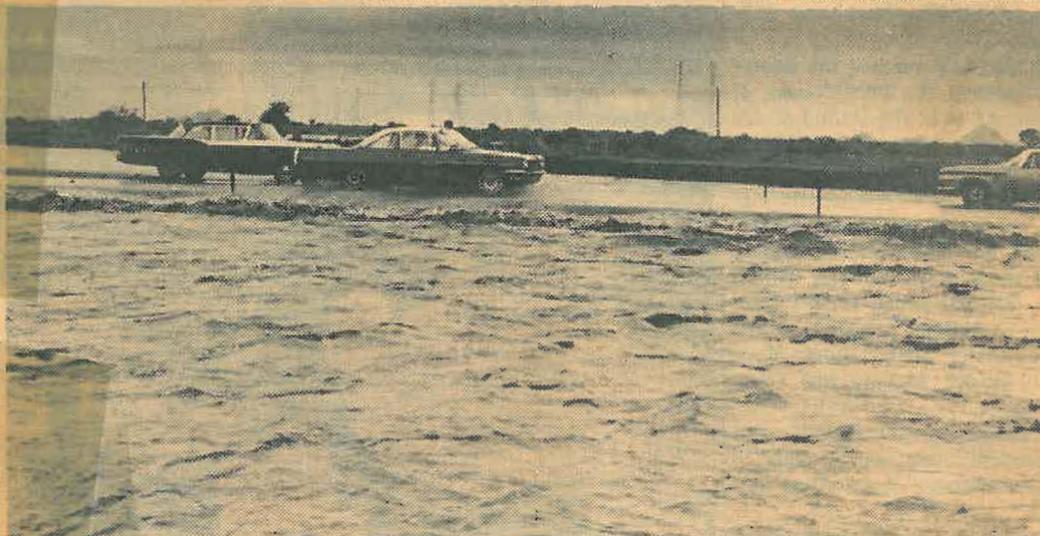
Meanwhile, northern Arizona has been virtually paralyzed by the major winter storm which moved across the state late yesterday.

The weather service said a heavy snow warning was still in effect for the east portion of the central mountains and for southeast Arizona today. Travelers' advisories were in effect elsewhere in the northern portion of the state.

Heavy snow closed Interstate 17 south of Flagstaff at Cordes Junction and U.S. 180 from Flagstaff to the Grand Canyon, while flooding closed U.S. 80 west of Phoenix at the New River and State Route 88 at Tortilla Flats, northeast of Apache Junction.

The Pima County Sheriff's Department also reported that the Mt. Lemmon Highway was closed because of snow.

The major portion of the storm system was reported by the weather service to be south and east of the state early today. However, the weather service said four to six inches of new snow could fall during the day in the White Mountains, and another four inches in the southeast above 4,000 feet.



**TESTING, TESTING** — The recently installed pipes supposed to carry Salt River water under Country Club Dr. were getting a good test today as the river flowed with water released from upstream dams plus runoff from below the dams. Above, cars make their way through water running over the highway; below, upstream side of crossing looks like lake. (Tribfotos)

## Country Club Crossing's Pipes Get Major Test

Traffic flowed today over the N. Country Club Dr. crossing of the Salt River after being temporarily closed early in the morning, but indications

### ★ ★ ★ Verde Water May Bring More Woes

Double-trouble for the Mesa area of the Salt River loomed today as heavy rains and snow run-offs built up water on the Salt River system and Verde River system.

In addition to a possible Roosevelt Dam spilling - the first in 25 years - "we may have trouble on the Verde system," an SRP spokesman today advised The Tribune. The two systems join northeast of Mesa, above Granite Reef dam.

Should water have to be released over the Roosevelt Dam spillway, as anticipated, the flow reaching the Mesa area would be "approximately the same as that of last spring," said an SRP official.

The spring flood referred to came from spillings necessary on the Horseshoe Dam and Bartlett Dam reservoirs of the Verde system. Country Club Dr., north of Mesa, was washed out by the spring flood. Since then, the road has been rebuilt with concrete pipes installed under the crossing to handle the flow of water.

are the road may be closed again this weekend.

The crossing, under which 23 6-ft. diameter concrete pipes were installed last month, withstood flood waters 9 ft. deep which poured over the roadway 6 to 8 inches early today. Traffic was closed at 6:30 a.m., and re-opened at 9 a.m.

Strongest test of the crossing may come this weekend, however, with announcement by the Salt River Project that "for the first time in 25 years" water may go over the Roosevelt Dam spillway. The next two days may see the Roosevelt release, and "if this happens, it may be necessary to open spillway gates on the entire 4-dam Salt River system," said Rod J. McMullin, SRP general manager.

McMullin said that if current run-off trends continue, there is every likelihood spillway gates at Saguaro Lake, which

is taking some of the excess from Mormon Flat dam up the river will have to be opened between 4 p.m. and 8 p.m. today. Saguaro Lake water would reach the Mesa area in about 16 hours, estimated the SRP.

At 8 a.m. today there were 64,000 acre ft. of water in Saguaro Lake. Its capacity is 69,765 acre ft.

Unseasonably warm rains falling on the heavy snow caps above the Roosevelt water shed has caused a tremendously rapid and unexpected run-off into streams feeding into the Project's largest reservoir.

Rains since Dec. 9 have already filled the three lower lakes of the SRP storage chain to near peak capacity. If it is necessary to spill Roosevelt excess water will have to be dumped down the chain to Granite Reef diversion dam. At

(Continued on Page 8)