"If the Central Arizona Project Bill as now conceived by Colorado and her neighboring Upper Basin States eventually becomes a reality, the people of Colorado will owe a debt of gratitude for the generalship provided by Governor John Love in achieving state-wide unity and for the statesmanship provided by Felix Sparks, director, Colorado Water Conservation Board, in achieving basin wide unity." (Fred Kroeger, Member Colorado Water Conservation Board, March 2, 1966)

**COLORADO WATER CONGRESS NEWSLETTER**

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C. N. Feast
Newsletter Editor

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Gordon Scheer
Executive Director

1550 Lincoln St.
Denver, Colorado

WATER CONGRESS MEETINGS RATED AS SUCCESS

DISTRICT MEETINGS of the Colorado Water Congress held throughout the state during late February and early March were successful and well attended, according to a report by Gordon Scheer, executive director. Featured speakers included R. J. Moses, counsel, Colorado Water Conservation Board; David Miller, attorney, Greeley; J. R. Barkley, chairman, Colorado Water Congress; Bill Mattern, division engineer, State Engineers Office; Richard Eckles, coordinator, Colorado Natural Resources Department; Kenneth Balcomb, attorney, Colorado River Water Conservancy District; Fred Kroeger, member, Colorado Water Conservation Board; John Cuykendall, chairman, Colorado Underground Water Commission; and John Sayre, attorney for the Northern Colorado Water Conservation District.

BARKLEY: "The Central Arizona Project is essential to both the Upper and Lower Basins of the Colorado River, and the expression of East-West Slope unity as provided in the recent resolution by the Colorado Water Conservation Board was one of the most significant acts taken in recent years for the development of Colorado."
MOSES: "At the February meeting of the Rio Grande Compact Commission, Texas did not again threaten to sue over Colorado's deficiencies in Rio Grande River water deliveries at the state line. Deficiencies to date total approximately 937,000 acre-feet. This does not mean that Colorado should let down her guard. Continued efforts must be made to increase deliveries in the attempt to thwart future suits." Speaking on this subject, Representative Clarence Quinlan, Antonito, said, "Some-day the Colorado Water Congress may be asked for its support if it becomes necessary for the Legislature to appropriate money to defend the suit."

BALCOMB: "The legislative process required to secure the passage of the Central Arizona Project will be long and complicated, and in this connection, I am yet concerned whether the city of Denver will or will not support the new Western Slope Projects as conceived in the project bill now before Congress."

MATTERN: "We must keep in mind that any regulations governing the administration of wells in accordance with H.B. 1066 shall be drawn up whereby such regulations will apply uniformly throughout the state." Mattern pointed out that almost without exception, the most junior surface right is superior to the most senior ground water appropriation, and when surface flows are not sufficient to supply decreed rights, the amount available should be augmented by pumping from the underflow, either directly to the land or into the ditch. R. V. Rouse, chairman District 3, pointed out that, "The law relating to the establishment of
priorities for the diversion of water by wells cannot be properly and fairly administered until the State Engineers office has a record of every well in the state including their priority dates and decreed flows."

MILLER: "The proposed Narrows Project on the South Platte River must be operated along the lines of an informal agreement now in effect on the river in that upstream storage will be recognized first."

Miller pointed out that if the project is not operated with regard to the river as a whole, someone will be injured and the project may be in trouble.

RIVER BOARD APPROVES CENTRAL ARIZONA PROJECT

THE UPPER COLORADO RIVER COMMISSION at its meeting in Cheyenne, Wyoming on February 22 adopted a resolution which approved and supported the proposed Lower Colorado River Basin Bill which includes the Central Arizona Project. The resolution did not endorse any specific legislation, but it supported certain principles designed to protect the future water resource development program in the Upper Division States under the Colorado River Compact. Part of the text of the resolution is stated:

"NOW, THEREFORE, BE IT RESOLVED by the Upper Colorado River Commission at an adjourned annual meeting assembled in Cheyenne, Wyoming this 22nd day of February, 1966, that it regards the February 8, 1966 Recommended Revision of H.R. 4671 as one vehicle for implementing its resolution of August 16, 1965 to be submitted to the Interior and
Insular Affairs Committees of the United States Congress for their consideration and aid in formulating and enacting a law, among other features, the principles and criteria expressed in said Recommended Revision."

"Recommended Revision" to which the resolution refers is the one adopted by the Colorado River Conservation Board on February 8 which requests authorization of five major projects in Colorado and includes provisions for protection of Upper Basin consumptive use allotments.

SNOW FENCES INCREASE WATER USE

PROFILE STUDIES of the snowpack created by snow fences built by the U.S. Forest Service along the top of Independence Pass as part of the Lake Creek Water Yield Improvement Project indicate an increase of 705 percent in the water stored by the drifts as compared to adjacent areas without snow fences, according to a release by Jacob Jauch, forester, San Isabel National Forest, Pueblo, Colorado. Jauch said, "At this time 1.3 miles of snow fences have been constructed and the drifts created by the fences will increase late runoff and decrease evaporation." Climatic and stream flow data are being measured to determine the effect of management practices, and eventually computers will be installed to predict water yields.

HIGH PLAINS TO BE CONSIDERED FOR UNDERGROUND DESIGNATION

THE COLORADO GROUND WATER COMMISSION will hold a hearing in Wray, Colorado on April 14, for the purpose of taking testimony on a proposal to designate the High Plains Underground Water Basin located in
Central Eastern Colorado as a "designated basin," according to an announcement by George Colburn, Commission Engineer. Colburn said that this testimony must be in writing and be in the hands of the Commission at its Denver office on or before April 12. The Commission has tentatively set May 13 as the date for a meeting of the Commission to officially act on the proposal. This meeting is also to be held in Wray.

GOVERNOR SIGNS WATER POLLUTION CONTROL LAW

GOVERNOR JOHN LOVE, on March 9, signed the Water Pollution Control Act passed by the 1966 session of the Legislature. At the same time, the Governor announced his seven appointments to the newly created 11-member commission. Love named Howard Lewis of the Adolph Coors Company as a representative of industry; John Kemp, Adams County Commissioner as the representative of local government; Leo Summerville, Fruita, representing agriculture; and four members representing the general public - Charles Nicola, Denver; Edmond F. Gobatti, Pueblo; Joseph F. Jelley, Colorado Springs; and Norman A. Evans, Fort Collins.

Members appointed to represent state government include Betty Chronic, Boulder, representing the State Board of Health; Harry Combs, Denver, representing the Game, Fish and Parks Commission; and Richard Eckles, state coordinator of natural resources. Yet to be appointed is a member of the Colorado Water Conservation Board.

The new commission has authority to set water quality standards for water supply, fish and wildlife propagation and recreation. The act will be administered by the State Board of Health.
ITEMS IN BRIEF

The Tri-County Water Conservancy District, headquartered in Mont­
rose, announced the completion of negotiations with land owners in an
area south of Montrose for the purpose of securing sites for the drill­
ing and construction of test wells to be used ultimately in a proposed
domestic water system for the Uncompahgre Valley. The drilling and
construction of the test wells is to determine the source and quality
of underground water in this area, which is planned as an interim
source of water for the Uncompahgre Pipeline.

* * * * *

The Army Corps of Engineers and the Colorado Highway Department
have wound up in a conflict over the Corps' plans to build a flood con­
trol dam on Bear Creek below Morrison. The highway department has plans
to construct the extended Hampden four-lane highway westward
through the area which includes the proposed dam and reservoir. The to­
tal highway project cost will be upward of $7 million, of which $3.5
million has been spent so far. The Corps plans the Bear Creek Dam as a
companion project to the Chatfield Dam, both to be constructed for the
protection of metropolitan Denver against damaging floods.

* * * * *

The Colorado-Ute Electric Association has asked the Colorado Su­
preme Court to reconsider a decision holding that the Association's
$30.5 million steam electric generating plant at Hayden, Colorado was
illegally constructed. Attorneys for the Association cited federal
constitutional questions as their reasons for requesting a rehearing.
If the High Court denies this request, association attorneys will ask
for a stay of execution pending further appeal to the U.S. Supreme
Court. The Colorado Public Utilities Commission has joined Colorado­
Ute in seeking reconsideration of the Court's ruling.

* * * * *

Dr. Robert A. Downs, chief of dental health for the State Health
Department, reports that Colorado ranks fourth in the nation in fluori­
dation in its public water supplies. Dr. Downs said 84.2 percent of
the state's population is served by water supplies containing either
natural or controlled fluoridation. Maryland, Rhode Island, and Wis­
consin rank slightly higher than Colorado.

* * * * *
Senator Peter H. Dominick, (Colorado), has announced he will push for a major rainmaking plan for the Colorado River Basin. Dominick, chairman of the Senate Commerce Committee hearings on weather modification, said, "Rainmaking is probably the best solution to the basin's water problems, and the only other answer is to import water at a tremendous cost."

* * * * *

The U. S. Bureau of Reclamation reports that the Bureau's income from its electric power operations totaled $101 million for the fiscal year ending last June 30. Commissioner Floyd E. Dominy said, "It also is significant that with the completion of new generators, the power income rose 20 percent from 1964 to 1965.

* * * * *

Roland R. Renne, director of the office of water resources research for the Interior Department, warns against a "let the Government do it" attitude on fighting water pollution. Renne said, "Private and local action is absolutely essential if government programs are to accomplish their objectives.

* * * * *

The State Board of Health has approved the allocation of $366,714 in federal funds to Fort Collins to help construct a $1.9 million metropolitan area sewage system and has also approved a $19,900 federal grant to the Hill-N-Park Sanitation District in Weld County to help build an outfall sewer and lagoon costing a total of $78,261.

* * * * *

Murray Stein of the U.S. Public Health Service, Washington, has warned the Great Western Sugar Company that it must make a major cleanup of its pollution discharges into the South Platte River. Stein emphasized that his department's aim will be to clean up the South Platte to the extent where it will support warm water fish. He estimated, if pollution can be stopped, it will only take two years to clean up the river.

A high-level government official, who asked that his name be withheld said this procedure is "putting the cart before the horse." Use must be established before criteria can be developed. Since the South Platte has never been a warm water fishing stream, such nonexistent use should not be the basis for the establishment of quality standards.

* * * * *
Henry Caulfield, director of the Interior Department resources program staff, has been appointed executive director of the new Federal Water Resources Council of which Secretary Stewart Udall is chairman.

* * * * *

Federal Power Commissioners stand ready to lift the license of any privately-owned hydroelectric project on public land unless suitable public recreational facilities are established at the project at the owners expense. (Colorado River Association Newsletter - February, 1966.)

* * * * *

The California River Board recently approved the revised draft of the Central Arizona Project legislation. Text of the California Board action is:

"The Colorado River Board of California approves in principle the revised draft of proposed legislation for a Colorado River Basin Project, H.R. 4671, received from the Upper Colorado River Commission, dated February 22, 1966, with the understanding that the Bureau of Reclamation will make a study and report as to the capacity of the Central Arizona aqueduct." (Daily News, Indio, California, March 3, 1966.)

The action refers to the draft approved by the Colorado Water Conservation Board on February 8, 1966.

THROUGH THE WATER METER

An electronic brain installed at the Bureau of Reclamation office in Montrose, Colorado will control the vast network of power dams constructed on the Colorado River. The brain serves through a microwave network in Arizona, Utah, California, New Mexico and Colorado to release water at various dams to generate power . . . The Colorado Game, Fish and Parks Commission approved an action to spend $100,000 to rebuild the washed-out dam on Clear Creek below Georgetown . . .

The Interior and Agriculture Departments have approved the creation of the Flaming Gorge National Recreation Area located at Flaming Gorge
Reservoir on the Green River in Utah and Wyoming. The Denver Planning Board has tentatively approved a policy which would require suburban areas to promise to annex if they want city water and sewer services. As of March 1, snow cover is below average in most of the high mountain water sheds in Colorado. The National Wilderness Society opened a field office in Denver on March 1. Mark Wagner of Grand Junction has been appointed to the Bureau of Land Management State Advisory Board. U.S. Representative Byron G. Rogers, Denver, has expressed pleasure with the new draft of the bill authorizing the Central Arizona Project and five major projects in Colorado. Cost estimates on the Fryingpan-Arkansas Project have been increased from $170 million to $182 million. City of Saquache has called for sealed bids for the installation of a storage tank and piping for a municipal water system. "Poor planning and the insistence of people to build homes and factories in known flood areas" were cited by Dr. Gilbert White of the University of Chicago as reasons for major flood losses throughout the nation. Members of the Rio Grande Water Users Association have established an assessment fee of 50 cents per unit. At the last meeting all officers and board members were re-elected. Two thousand acres of Kannah Creek watershed land near Grand Junction, including two reservoirs and all water rights, are being offered for sale by the owner, Charles V. Hallenbeck. Colorado Legislature, by House action not concurring with a Senate resolution, has paved the way for continuation of the $5 visitor fee for en-
trance to state parks and recreation areas . . . The Colorado Game, Fish and Parks Department has recommended building a recreation lake near Loma, estimated to cost $330,000 . . . Glenn G. Saunders, chief counsel for the Denver Water Board, announced he will relinquish this position on July 1 but will continue as a board employee at an outside office. Job title — solicitor . . . The Bureau of Reclamation has decided it can satisfactorily operate the reservoirs of the Colorado River under the new criteria included in the Central Arizona Project legislation . . . The Corps of Engineers has ruled out establishing a temporary pool at John Martin Dam near Caddoa. Reason: The potential flood hazard on the Arkansas River is too great to allow storage. This temporary pool, proposed to increase water conservation, is not to be confused with the proposed 10,000 acre-feet minimum recreation pool . . . Interior Department has approved a $1 million repayment contract with the Uncompahgre Valley Water Users Association for rehabilitation of the Gunnison Tunnel and an $859,000 contract with the Bostwick Park Water Conservancy District to cover part of the cost of the Bostwick Park Project below Gunnison . . . Electricite de France, a French nationalized French power company is building a power plant to harness the ebb and flow of tides for the generation of electricity . . . Suadi Arabia is undertaking one of the world's largest single integrated surveys of land and ground water resources ever carried out. American technical assistance is being provided . . . Bids on the construction of 56 dams approximately five miles northeast of Grand Junction on the
Indian Wash watershed have been called for by the Bureau of Land Management... It is estimated that the Fryingpan-Arkansas Project will pump $18 million a year into the Colorado economy when completed... The Colorado Legislature passed a law providing for the control of air pollution by the State Department of Public Health and local agencies... The Western States Water Council has called for a close scrutiny of water conservation practices among member states... The Colorado Legislative Council, through its water committee, will conduct water meetings in 1966 to develop information on the workings of and problems arising from the water law legislation adopted in 1965... Ron Strahle, president of the Colorado Game, Fish and Park Commission, said that Colorado lags far behind other states in the development of parks and is losing out in the competition for the tourist dollar... Brighton City Council has employed the Denver Engineering Firm of Henninger, Durham and Richardson to conduct a detailed study of the city's long-standing water problems. After the contract is approved the city will apply to the Housing and Home Finance Agency for a federal public works study grant - an interest-free loan to be repaid when construction on the water system begins... Governor Robert Smylie, of Idaho, has labeled a proposal to divert water from the Pacific Northwest to the Southwest "unsound and unfair"... The United States Government is considering a plan to help the United Arab Republic and Israel to build atomic reactors for desalting seawater.
PUBLICATIONS

WAR FOR THE COLORADO RIVER. (Two Volumes.) By John Upton Terrell. Arthur H. Clark Company, Box 230, Glendale, California. $17.50. These books contain some philosophizing about Western water that challenges the intellect. Terrell spent ten years as a lobbyist for Southern California water interests.

DISASTER BY DEFAULT. By Frank Graham, Jr. Lippincott Company. $4.95. This book is a story on the nation's water pollution problem. The reader is led to wonder if we can really win the battle.

COMING EVENTS

Water Research Symposium - Colorado State University, Fort Collins, Student Center, April 26 and 27.

Purpose of Symposium - To promote communication and coordination between research people throughout the state on water resource projects. A panel discussion will be held to discuss future research on water needs within Colorado. The panel will include Colorado Water Department officials and hydrological and water research personnel at Colorado State University.

Harvey Banks, of the engineering firm of Leeds, Hill & Jewitt, San Francisco, will be the featured speaker on the night of the 26th. The subject of his address will be "Planning and Research in Water Development and Management."
COLORADO WATER CONGRESS DISTRICT MEETINGS
Officials and Speakers
S-Speaker; C-Chairman; RC-Rules Committee; EC-Executive Committee

DIST 17
E.R. Salter-C, Craig; Richard Eckles-S, Denver; Sumner Hockett-RC, Hayden

DIST 16
Anthony Williams-RC, Grand Jct.; W. J. Baker-C, Loma; Kenneth Balcomb-S, Glenwood Springs

DIST 12
Harold Anderson-C, Montrose; William Hofmann-Sec., Montrose; Charles Conklin-RC, Delta; Charles Neill-VC, Hotchkiss

DIST 11
Richard Bratton-S, Gunnison; Geo. Everett-RC, Salida; Frank Dilley-C, Canon City; Charles Boustead-EC, Pueblo; John Sayre-S, Boulder

DIST 9
Fred Kroeger-S, Durango; Richard Bratton-EC, Gunnison; Lee Spann-C, Gunnison; Rial Lake-RC, Gunnison

DIST 10
Pete Campbell-RC, Nucla

DIST 13
William Bray-Sec., Redvale; Lowell Staats-C, Nucla

DIST 2-3
Clarence Quinlan-EC, Antonito; Bart Schoolland-RC, Alamosa; R. J. Moses-S, Boulder; Quincy Cornelius-C, Hooper

DIST 14
Charles Hallenbeck-C2, Boulder; Harlan Seaworth-RC2, Wellington Mel Sarchet-RC3, Ft. Lupton; R. V. Rouse-C3, Hudson
EXECUTIVE COMMITTEE MEMBERS BY WATERSHEDS - 1966

A. Colorado
   Amos Horn, Granby

B. North Platte, Laramie
   Clarence Burr, Walden

C. Gunnison
   L. Richard Bratton, Gunnison

D. San Juan, Dolores, San Miguel
   Frank S. Maynes, Durango

E. Rio Grande
   Clarence Quinlan, Antonito

F. Arkansas
   Charles Boustead, Pueblo

G. South Platte
   Milton Nelson, Longmont

H. Denver
   Glenn G. Saunders, Denver

J. R. Barkley, Loveland, Chairman
Archie Toner, Pagosa Springs, Vice-Chairman
Harold H. Christy, Pueblo, N.R.A. President
Robert Fischer, Denver, Secretary-Treasurer
Gordon Scheer, Executive Director

RULES COMMITTEE MEMBERS AND DISTRICT CHAIRMEN

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