

MINUTES OF
ARKANSAS RIVER COMPACT ADMINISTRATION
MEETING

STAGECOACH INN
Lamar, Colorado

December 9, 1970

Attendance:

For Colorado:

Felix L. Sparks, Denver
George F. Reyher, McClave
J. T. Reedy, Hartman

For Kansas:

Robert V. Smrha, Topeka
Carl E. Bentrup, Deerfield
Logan N. Green, Garden City

For the United States:

Colonel Gustav L. Seligmann, USA, Ret., Las Cruces, New Mexico

Secretary:

Lane L. Hackett, Lamar

Others Attending:

A. A. Fischback, Jr.	Rio Grande Compact Commission	Pueblo, Colo.
E. J. Tripp	U.S.G.S.	Denver, Colo.
Fred Boydston	Colo. Water Conservation Bd.	Denver, Colo.
Francis M. Bell	Colo. Water Conservation Bd.	Denver, Colo.
Carter Hutchinson	Colo. Water Conservation Bd.	Denver, Colo.
Charles L. Thomson	SE Colo. Water Cons. Dist.	Pueblo, Colo.
William Patti	Water Commissioner	La Junta, Colo.
Al Putnam	Fort Lyon Canal Co.	Las Animas, Colo.
Ross W. Moor	U.S.G.S.	Pueblo, Colo.
Howard C. Corrigan	Kansas Div. of Water Res.	Garden City, Kans.
Alfred L. Fuller	Corps of Engineers	John Martin Dam
William L. Lindsey	Corps of Engineers	John Martin Dam
Leo Pollart	Amity Canal	Holly, Colo.
William Howland	Amity Canal	Holly, Colo.
Ralph Strother	Corps of Engineers	Albuquerque, N.M.
Leonard McKinster	Div. of Game, Fish & Parks	Denver, Colo.

Others Attending, Continued

Harry C. Nevius
Duane D. Helton

Amity Canal
Colo. Water Conservation Bd.

Lamar, Colo.
Denver, Colo.

MEETING CALLED TO ORDER

Col. Seligmann called the meeting to order at 9:30 A.M.

Col. Seligmann asked for consideration of the minutes of the last meeting. Mr. Bentrup moved that the reading of the minutes be dispensed with and that they be approved as submitted. Mr. Reyher seconded the motion, and it was approved by a vote of the States.

Mr. Hackett read the Secretary's Report as follows:

SECRETARY'S REPORT
November 1, 1969 to October 31, 1970

The adjustments and board approval of pertinent information for the 21st annual report were not final until late February. Five hundred copies were received from the printer and distributed in June this year.

Copies of these anticipated expenses were transmitted to the Governors of Colorado and Kansas.

A call was made to the States on August 17, 1970, for funds to be paid into the Compact treasury for fiscal year 1970-71. Colorado's share was \$4,014.00 and Kansas' share was \$2,676.00. Both states' warrants were received and deposited during September.

As there was a short storage period in John Martin this year and initial demands by both States were excessive in May, only a total of 27 change in release orders were issued.

One telephonic meeting was held May 25, 1970, for the purpose of declaring the reservoir to become empty.

Correspondence and contact with federal and state agencies has been maintained throughout the year. Communications with the Corps of Engineers has been maintained as required of the Secretary in the performance and functions of duties for the Administration. Contact with the U. S. Geological Survey has become somewhat more inconvenient since the local office was moved to Pueblo.

All current bills of the Administration have been paid. Mr. Smrha moved to accept the Secretary's Report, and Mr. Reedy seconded the motion. The States approved the motion.

Mr. Smrha stated that he had received several bad copies of the 21st Annual Report. Some copies had pages missing, and some had duplicated pages. He asked the Secretary for five or six correct copies. Mr. Hackett said he would mail the copies to Mr. Smrha.

Mr. Reedy submitted copies of the Auditor's Report for distribution to the Administration members and discussed the outstanding features. Mr. Smrha pointed out several typographical errors and suggested that the report be edited before publishing. Mr. Reedy moved to accept the Auditor's Report and publish it in the annual report. Mr. Smrha seconded the motion. It was passed by a vote of the States.

The Treasurer's Report was presented by Mr. Reedy as follows:

TREASURER'S REPORT
Year Ended October 31, 1970

<u>CASH IN BANK - NOVEMBER 1, 1969</u>	\$ <u>11,256.10</u>
<u>FUND BALANCE, NOVEMBER 1, 1969</u>	<u>11,256.10</u>
<u>RECEIPTS:</u>	
<u>Revenue from Assessments:</u>	
Colorado	\$ 4014.00
Kansas	<u>2676.00</u>
<u>TOTAL RECEIPTS</u>	\$ <u>6,690.00</u>
<u>TOTAL AVAILABLE</u>	\$ <u>17,946.00</u>
<u>DISBURSEMENTS:</u>	
Surface Water Investigations, Cooperative	
Gage Replacements and Rehabilitations,	
U.S. Geological Survey	\$ 4050.00
Secretary's Salary	1500.00
Printing	480.40
Travel	439.40
Telephone	275.85
Legal and Audit	100.00
Payroll Tax	72.00
Typing and Mailing	80.70
Insurance	25.00
Office Supplies	37.10
Capital Outlay - Equipment	<u>240.00</u>
TOTAL DISBURSEMENTS	\$ <u>7,300.45</u>
FUND BALANCE, OCTOBER 31, 1970	<u>\$ 10,645.65</u>

Mr. Bentrup moved to accept the Treasurer's Report, and Mr. Reyher seconded. The States approved the motion.

Mr. Hackett presented the Report of the Operations Committee and a memorandum concerning a problem that developed because the number of measurements

Made at the compact stations by the U.S.G.S. was insufficient. Both are included below.

OPERATIONS REPORT
November 1, 1969 - October 31, 1970

Storage in John Martin on November 1, 1969, the beginning of winter storage for this year, was 20,420 acre feet. No river flow was being released for Colorado. The gates remained closed until March 9, 1970, at which time, Colorado demanded 30 cfs of river flow as provided for in Article V-A of the Compact. River flow for Colorado varied from none to 65 cfs through April 16. On April 1, 1970, the beginning of irrigation season, 54,180 acre feet of conservation storage had been acquired.

Initial gate opening for storage water release was made April 17, 1970, to fulfill a Colorado demand for 100 cfs with 57,591 acre feet in storage. Kansas placed their first call and Colorado increased demand for a total of 800 cfs on April 20. Snow and rain showers in late April reduced reservoir demand of both States to 400 cfs. The maximum demand was released at 0830 M.D.T. on May 11 when Colorado called for 600 cfs and Kansas called for 500 cfs. The reservoir became empty at 2100 M.D.T. on May 28. The gates remained open for Colorado decreed priorities until 0800 M.D.T. on October 8. Snow and freezing temperatures created conditions such that Colorado was unable to utilize all of the river flow. Three Colorado ditches called for 175 cfs. on October 12. This release order was only delivering about 100 cfs after a 24-hour period when it ordinarily takes 8 to 10 hours to deliver the demand. Consequently, the release order was increased to a total of 200 cfs, but it still did not fill the ditches call. A memorandum to the Administration from the Secretary covering this situation is attached to this report. Colorado's demand continued for 115 to 140 cfs until the end of season. The reservoir gates were closed at 1600 M.D.T. on October 31 with 2,692 acre feet in storage.

During the first half of July, the Purgatoire River had three erratic runs of water, but due to the irrigator's demands, closing the gates was not advisable. The Wiley and Big Bend area received two and one half inches or more of rain on July 12 creating heavy runoff below John Martin and caused three small breaks in the Amity Canal which stopped diversions for 3 or 4 days. Colorado ditch diversions and the stateline flow was exceptionally good for the year considering short supply of tributary runoff.

The changing river channel at the Compact measuring stations is continuing to create problems for efficient administration or reservoir inflow and releases. During April through October, 13 measurements for each Compact station were made by the U.S.G.S. or about two per station per month, which were not sufficient to keep current with the sanding and scarifying that occurred this year.

About the normal amount of outages of the high frequency transmitters was experienced in receiving gage height signals. Having the print out receiver at the Secretary's home is proving to be a much better arrangement than in the past.

Storage in John Martin was 8,237 acre feet on December 9, 1970.

MEMORANDUM

November 21, 1970

TO: Board Members, Arkansas River Compact Administration

FROM: Lane L. Hackett, Secretary

SUBJECT: Gaging Stations

During the annual meeting in Lamar on December 9, 1969, consideration was given to the Compact gaging stations and the cooperative agreement with the U.S.G.S. for additional measurements. The budget for the 1970-71 agreement was increased \$500.00 to cover the cost of about 50 additional measurements, to a total of \$3,800.00 for the fiscal year. As this year's annual meeting is scheduled for December 9, 1970, I am taking this means of reporting to you in advance the results received thus far on the operation of the stations.

The reservoir became empty on May 28, 1970, and no water was available for storage until October 8, 1970. During this period Water District No. 67 ditches were diverting river flow under decreed water rights. The U.S.G.S. was making measurements at the Compact stations only every two or three weeks. As the State of Colorado hydrographers were in the area, I requested they fill in the voids by making measurements at the five Compact stations. They very generously made measurements about once a week to facilitate recognition of changes in the river channel at these stations.

When storage began on October 8, 1970, a shift of -0.08 ft. in gage height, as measured by the U.S.G.S. on October 5, was being applied to the station below John Martin Reservoir. A demand of 175 cfs by Colorado was ordered released at 0830 M.D.T. on October 12 which normally would deliver 150 cfs to the Amity Canal approximately eight hours later. Twenty-four hours later only 100 cfs was being delivered for Amity diversion, so the order was increased to 200 cfs. The state hydrographer made a measurement on October 14 which indicated a -0.23 shift in gage height and a total discharge of only 138 cfs. The Corps of Engineers Resident Superintendent was informed of this change in shift at the station, but he was reluctant to apply this change to the release because it was not made by the U.S.G.S. It was implied that the release order should be increased rather than use the State hydrographer's measurement.

After some discussion via radio with the Corps of Engineers Albuquerque, it was agreed to recognize the State hydrographer's measurement, and the release was adjusted to fulfill the request. A.U.S.G.S. measurement followed the State's measurement by five days and arrived at a -0.22 ft. shift in gage height and a discharge of 139 cfs.

This is one of several occasions in the past that have made the operation of the reservoir and administration of the Arkansas River difficult as well as inefficient.

The proposed agenda for the next annual Compact meeting does include revision of the rules and regulations as well as budget approval.

I respectfully submit this memorandum for your considerations in advance of the meeting.

Mr. Smrha moved acceptance of the Operation Committee Report. Mr. Reedy seconded the motion, and it passed a vote of the States.

Mr. Sparks said the Legal Committee had no report, but there are some items he would discuss later in the meeting.

Mr. Smrha reported that the Engineering Committee had no assignment and therefore no report.

Mr. Hackett read the minutes of the special telephonic meeting. The minutes follow:

SPECIAL TELEPHONIC MEETING
May 25, 1970

A special telephonic meeting was held May 25, 1970, in accordance with Article V-F of the Compact for the purpose of declaring the reservoir to become empty. It was declared the reservoir would become empty May 28, 1970.

Mr. C. J. Kuiper, Colorado State Engineer, and Mr. Rudy Styduhar, Division Engineer, were notified of this action and administration of decreed water rights for Colorado would commence on May 28 unless a change of conditions justified cancellation or modification of this notice.

The reservoir became empty 2100 M.D.T. on May 28, 1970.

Participating members:

For Kansas - Mr. Bentrup and Mr. Green.

For Colorado - Mr. Reedy and Mr. Reyher.

Mr. Smrha moved, and Mr. Bentrup seconded that the minutes of the special telephonic meeting be approved. It passed a vote of the States.

Col. Seligmann called for an election of officers. A discussion ensued questioning whether Mr. Reedy could be re-elected as he was only Acting Treasurer to replace Mr. Hofmeister. Mr. Sparks made a motion to elect Mr. Reedy Treasurer and re-elect Mr. Bentrup Vice Chairman. The motion was seconded by Mr. Green and approved by the States.

Mr. Bentrup moved that Mr. Reedy be named to the Operations Committee in place of Mr. Hofmeister and that the other committee members be retained. Mr. Reyher seconded the motion, and it passed a vote of the States.

Col. Seligmann called for unfinished business.

Mr. Sparks said he had given much thought to the revision of the rules and regulations. He said the present rules and regulations were sketchy and, for the most part, repeated what was said in the Compact. He said he would like to receive comments and suggestions from water administration people and users that would confirm that historic practice was satisfactory or indicate ways to improve the operation of John Martin Reservoir and increase efficiency. For an example of the type of thing that might be considered, Mr. Sparks offered a plan that would involve allocation of a certain amount of storage in the reservoir which would be divided among the downstream irrigators. Each irrigator could call for his share of water at his convenience, except that, no annual credits or debits could be accrued under the terms of the Compact. He asked for 90 days to gather comments and make hypothetical studies.

Mr. Sparks' comments generated considerable discussion. The major question was what happens when an irrigator has used his share of allocated water. A difficulty becomes apparent because downstream irrigators can't call for water under the priority system from upstream irrigators as long as there is water in the reservoir. Mr. Sparks said this problem probably could be overcome. Mr. Reyher suggested reducing the maximum demand by irrigators of both States during periods of low storage. Mr. Hackett suggested allowing the gate of John Martin Reservoir be closed to store during small floods without removing Water District 67 from the priority system.

The Administration stipulated the final date of March 1, 1971, for Mr. Sparks to receive comments from interested parties and test various schemes in hypothetical situations. Mr. Smrha said Kansas would be interested only in water deliveries at the stateline.

Mr. Sparks then gave a report of the progress of the State of Colorado to acquire water rights for the maintenance of a permanent pool in John Martin Reservoir. He said the State had no success as it was out-bid in an attempt to purchase the decreed water right of the Las Animas Ditch Company. A tender was out to purchase the water rights of another ditch in the same general area, but there was no progress to report.

Col. Seligmann then called for consideration of the 22nd Annual Report under new business. Mr. Boydston presented the mock-up of the report noting the missing sections and changes. A discussion ensued concerning the contents and arrangements. It was agreed to dispense with Appendix "B-9" but change the designations of Appendices "B-10" and "B-10(A)" to "B-9" and "B-10", respectively. Mr. Sparks agreed to draft resolutions expressing appreciation for the services of Messrs. Heckler and Hofmeister. The Administration agreed to a cut-off date of January 15, 1971, for changes to the annual report.

Mr. Hackett explained that he had obtained only one bid for printing the annual report. The Lamar-Tri-State Daily News offered to print 400 copies for \$426.00 or 500 copies for \$456.00 Mr. Bentrup moved and Mr. Reyher seconded that the bid for printing 400 copies be accepted. The States voted to accept the bid.

Col. Seligmann called for consideration of the F.Y. 1972-73 budget. Mr. Reedy presented a proposed budget. Mr. Sparks suggested that the Administration consider a pay raise for the Secretary, but Mr. Hackett said he would rather have a calculator and described two models that would suit his needs. Mr. Sparks moved to authorize the Secretary to purchase a calculator for \$645.00, the motion was seconded by Mr. Bentrup, and it was approved by the States. After considerable discussion and revision the budget was submitted as follows:

PROPOSED BUDGET

Fiscal Year July, 1972 - June 30, 1973

Personal Services		\$ 1,675.00
Secretary's Salary	\$ 1,500.00	
Social Security	75.00	
Professional Services (Audit)	100.00	
U.S. Geological Survey		4,400.00
Cooperative Services	4,400.00	
Capital Outlay		100.00
Office Equipment	100.00	
Maintenance and Operation		1,890.00
Bond (Treasurer)	15.00	

Printing	500.00
Official Publications	100.00
Travel Expense	500.00
Typing and Mailing	125.00
Investigation and Inspection	100.00
Telephone and Telegraph	350.00
Office Supplies	200.00

Total Budget 1972-1973	<u>\$8,065.00</u>
Estimated Carryover June 30, 1972	<u>155.00</u>
To Be Appropriated	<u>\$7,910.00</u>

Colorado (60%)	\$ 4,746.00
Kansas (40%)	<u>3,164.00</u>
	\$ <u>7,910.00</u>

Mr. Smrha moved to tentatively adopt the F.Y. 1972-73 budget subject to approval by letter not later than July 1, 1971. The motion was seconded by Mr. Sparks, and it passed a vote of the States.

Mr. Sparks' motion to adjourn was seconded by Mr. Smrha and approved by the States. The meeting adjourned at 11:50 A.M.