FOREWARD

Four meetings of members of Provo River Distribution System Board were held during 1967. They being on January 11th and 12th and June 6th and 27th, 1967. The 1967 minutes covering these meetings are included in this report and show all resolutions made and all recommendations for 1967 and 1968 seasons to date. The 1965 annual report includes an index covering Board Meeting minutes from 1960 to 1965 inclusive.

Data pertaining to current and future operations are included in the 1960, 1961, 1962, 1963, 1964, 1965 and 1966 Commissioners Reports, and to avoid duplications are omitted from this report, but are referenced by page and report. They are as follows:

(1) Articles of Association, page VII, 1960 report.
(2) List of Water Users and Acre Rights Wasatch Division, 1960 report.
(3) Wasatch Division Third District 1st clas water rights as of December 9, 1963 with summary of diversions, acre right and cfs, page 56, 1963 report. Also see page 3 of 1963 Foreward.
(4) Range and observation of Wells, Heber Valley, page 71, 1960 report.
(5) Basis for computing Assessment Provo River, page VI, 1961 report.
(6) Blue Cliff 50 cfs assignments tabulation, page 12, 1961 report.
(7) Tabulation of summer UP&L Co. D.C.R. tarserary storage release to Utah Lake showing conveyance losses, page VII, 1961 report.
(8) Head of River Storage Res. Acre Foot capacity tables, page 47, 1963 report.
(9) List of Class "A" water in cfs 100% River for Utah Valley Diversions, page 9 of 1963 report.
(10) Season changes in Provo River Rights and Methods of computation, page 4 of Foreward, 1963 report.
(11) South Fork, Utah County, Irrigation Water Schedules, Appendix or Exhibit I, 1964 report.
(12) Available points of Diversion relative to Provo River Water, Appendix or Exhibit II, 1964 report.
(13) Tabulation of Secondary direct flow water rights below D.C.R. giving priority dates, Appendix or Exhibit III, 1964 report.
(14) 1965 Tabulation of Acres cfs Summit and Wasatch County Provo River water right ownerships, referenced to Finding of Fact of Decree Case #2888 by Ike Baum Deputy Commissioner, Appendix I, 1965 report.
(15) 1965 report and record of the effect Utah Power & Light Co. diversion in Sec. 27, T5S, R3E, SLM has on the 4650 ft. Provo River reach above same including Vivian Park, Appendix, 1965 report.
(16) 1965 prediction and forecast of which might seriously effect Provo City tax structure some 8 years hence should Provo City carry to completion the Ercanbrack $400,000 land purchase in South Fork, Appendix III, 1965 report.
(17) Analysis of Tanner fictious (no certificate) Provo Bench shares set up and leased from year to year by his heirs with use of N.F. water on a debit and credit basis to accomplish this proceedure. See "Outline Distribution Provo Bench Canal 1967" page 9 this report. Also see 1967 bi-monthly reports Sheet No. 1 of Reports No's 14, 15, 16, 17, 18, and 19.

(13) Report on disposition of automatic records used on River at Vivian and South Fork found in last two paragraphs, page 3, 1966 Footnote of Annual Report.

Computed Natural Flow of Provo River below D.C.R. provided 100% and more of class "A" demands, together with large quantities of secondary rights for Bonneville Canal as Oct. 15th when that canal ceases to take water.

Deseret Diversions for Districts 1, 2, and 3 provided 100 percent of first class rights for the entire irrigation season with some secondary water until the latter part of July with 17th class water available to July 16th. Heavy valley summer rains together with later snow pack will accounted for this abundant supply.

Provo Res. U.P. Co. first diverted Blue Cliff water August 1st. Only small quantities of this Class A water was diverted by the canal until Oct. 15th on days no secondary was available, to avoid piping of a power differential. A schedule of Blue Cliff water available was furnished Provo Res. Co. during the irrigation season.

The total Natural Flow (248,300) A.F. Utah Valley for the water year Nov. 1, 1966 to Oct. 31, 1967 equaled 138% of that for the previous year. The irrigation season U.F. April 1st to Oct. 31, 1967 equaled 159% of that for the 1966 season and 65% of that for 1965.

The delivery capacity capability of Provo River through Utah Valley to handle U.F. at and below D.C.R. was again found obvious when on June 30th and 31st, 1967 it was necessary to raise releases from D.C.R. to 1000 cfs to avoid raising storage in mid Res. above legal and safe limits. A close tab was kept on the reservoir and forecast U.F. by all concerned including the Supt. of Deseret Weather Bureau. Two more days not forecast brought on this emergency. Government forecast proved helpful and substantially correct.

Deer Creek Reservoir was declared officially filled June 1st, with the object of using remaining storage space there-in to handle peak runoff floods without fear remaining over cover. The reservoir remained officially full until July 11th when UPRR Co. flume diversion was cut to U.F. at and below D.C.R.

All downstream lakes comprising local of river storage filled to their allowable capacity for a total of 16,150 A.F. Provo City used all of their local lake storage in connection with culinary delivered, and Provo Res. Co. used in excess of one-fourth of their 4694.15 A.F. impounded in Utah and Salt Lake Counties for irrigation. The balance was sold to Hover Valley users.

Perkins Tunnel diversions accounted for 37,554 A.F. of D.C.R. storage. This is compared with 28,714 delivered through the tunnel and measured by Spalding meter and through flume just below the tunnel. These figures provide for an important 40 percentage loss over a river distance in excess of 25 miles.

NAL

Weber-Provo Canal diversion delivered 58,740 A.F. to Provo River during the water year. Some considerable amount of this was diverted from the Weber River during June and July to alleviate flood conditions on the Weber during that period. Of the total amount 2,042 A.F. arrived at Woodland as Echo storage during July after the 16th. No deliveries from the Weber were made during August, September and October 1967. 9,580 PRWU Co. and Extension water deliveries were made from the Weber during the 1967 water year.

A total of 15,500 A.F. was diverted from Provo River to Salt Lake Aqueduct for the water year. All water diverted during June and to July 12th was free water because DCR was full. This amounted to 2,405 A.F.

Provo River Water Commissioner has imposed no restriction to the use of a reasonable amount of N.F. winter water for municipal purposes, as the decree provides for such winter water use and no abandonment has ever been shown. Note: See letter dated Sept. 30, 1960.

Regulation was again necessary on South Fork, Utah County, and Deer Creek stream, Wasatch County, to attempt to hold these users to the same duty required of other Class "A" users below D C.R. Cooperation was given by some South Fork users in bringing this about.

It is noted the staff of the State Engineer's office has irrigated acreage and location maps of South Fork area substantially completed to bring about judication of South Fork rights.

Delayed court action on the validity and justice of approved change App. #a-4696 and Exchange App #173 with all their ramifications, is the present deterrent in furnishing the Commissioner a clear cut extent basis for distribution of River Side County Club water rights near Provo, Utah.

Progress in other fields of the use of IBM machines for computations, points the way to its use in water distribution computations. When it becomes less expensive and a fool proof programing can be evolved which includes all the deversified essential factors of Provo River water rights, then its use adoption should be considered.

The array of legal talent present at the State Engineer's hearing at Utah County Court House on Oct. 3, 1967 protesting App's a-4977, a-4978, a-5244, and a-5245 Provo City Corporation together with the civil complaint #31569 filed in the Fourth Judicial District Court dated Dec. 28th, 1967 and signed by the same group of legal talent; indicates another attorneys holiday is eminent, at the expense of the water users, equal to that occurring in 1932 when Case #2888 was determined, unless a compromise can be effected. The use of winter and surplus water practices by Provo City, together with other Class A users is real but limited. Result of any long drawn out court case is bound to equal substantiall that brought out in a compromise of thinking and fair minded men. Why not try it?

Hubert and Don: If this could be accomplished I would feel that my services had been, over the past 8 year worth while, to Provo River Distribution system and Utah Valley.

April 1st, 1968 terminates my official ties with Provo River Distribution. The work has been challenging, invigorating and interesting over the past 8 years. Many new friends have been acquired through this service. My life has been made more abundant as a result of this opportunity to serve. Any new or added data determined by my research and study of Provo River Distribution is tabulated and listed in the eighteen appendix or exhibits shown in paragraph No. 2 of this Foreword.

Analysis of deduction in determining N.F. Sheet #4 and guidelines for effecting balances on Sheet #3 of Bi-monthly reports are listed as follows:

~~Jack Gardner~~ ?
Wallace Wayman, Conn.
(Thos L Reese
January 10, 1968)

JAN 10 1968
STATE ENGINEER
COUNTER