

MINUTES OF A MEETING OF THE
STATE WATER CONSERVATION COMMISSION

Held in the Office of the State Water Conservation Commission, Bismarck, North Dakota,
October 24, 1949, at 9:30 o'clock a.m.

A regular meeting of the North Dakota State Water Conservation Commission was held in the Office of the Water Conservation Commission in the State Capitol, Bismarck, North Dakota, on October 24, 1949.

MEMBERS OF STATE WATER CONSERVATION COMMISSION PRESENT:

Hon. Fred G. Aandahl, Governor and Ex Officio Chairman
S. W. Thompson, Vice Chairman, Devils Lake, North Dakota
Einar H. Dahl, Commissioner from Watford City, " "
Curtis Olson, Commissioner from Valley City, " "
Math Dahl, Commissioner of Agriculture and Labor, Bismarck, North Dakota
A. M. Christensen, Commissioner from Minot, North Dakota
J. J. Walsh, Secretary and Chief Engineer, Bismarck, North Dakota

Einar Berge, Publicity Manager

OTHERS PRESENT:

Elmer L. Worthington, District Conservationist, Soil Conservation Service, Bottineau, N.D.
Fred Gessener, Chairman, Bottineau County Drainage Board, Upham, N. Dak.
Walter C. Erdman, Secretary, Bottineau County Drainage Board, Willow City, N.D.
A. Richard Moun, Work Group Engineer with the Soil Conservation Service, Bottineau, N.D.
John Dillon, District Conservationist, Soil Conservation Service, Park River, N.D.
A. B. Linford, District Conservationist, Soil Conservation Service, Wahpeton, N.D.
Boyd Fenwick, County Commissioner, Pembina County, N.D.
John Snyder, " " " " " "
F. Hall, " " " " " "
W. Halfpenny, " " " " " "
Geo. Moses, Associated Press, Bismarck, North Dakota
Judge A. M. Christianson, Supreme Court, Bismarck, North Dakota
Walter Maddock, State Director, Farmers Home Administration, Bismarck, North Dakota
Fred J. Fredrickson, Washington, D.C. representative for the Commission

The meeting was called to order by Vice Chairman Thompson at 9:30 a.m., with Commissioners Math Dahl, Curtis Olson, A. M. Christensen, S. W. Thompson and Secretary Walsh present.

Commissioner Olson made a motion that the minutes of the September 2, 1949, meeting of the State Water Conservation Commission held at Minot, be approved. The motion was seconded by Commissioner Christensen. Motion carried.

It was moved by Commissioner Christensen and seconded by Commissioner Math Dahl, that the Financial Statements for the months of August and September, 1949, be approved and filed in the office of the Commission. Motion carried.

Representatives of the Bottineau County Drainage Board entered the meeting at 9:40 o'clock a.m. Those representing Bottineau County were: Elmer L. Worthington, District Conservationist, Fred Gessener, Chairman, and Walter C. Erdman, Secretary.

Mr. Worthington informed the Commissioners concerning the drainage work proposed for construction in Bottineau County for the 1949-1951 biennium. He said the estimated cost of reconstructing the Kane Drain would be \$40,000, earthwork estimated at \$35,000, and that the drain would benefit 20 land owners. The ditch will be about 9 miles, including laterals, and drainage area covers from 1,500 to 2,000 acres. The District was given assurance by the Water Commission to proceed with the work on the drain, but were instructed to obtain the approval of the Soil Conservation Service and the engineering staff of the State Water Commission. The Commission gave them the assurance that they would pay 40% of the cost of the earthwork removal, including the cost of private drainage crossings.

Commissioner Einar Dahl entered the meeting at 10:10 a.m.

Commissioner Math Dahl left the meeting at 10:12 a.m.

In reviewing Gessner Drain #2, Mr. Worthington stated this was an old ditch which had been designed by Mr. Augustadt. The Water Commission requested the County to have surveys made and plans and specifications submitted, as well as a map showing the land owners benefited, and send a set of plans to the Water Commission. They were also requested to have the Soil Conservation Service and engineers from the State Water Commission approve the construction.

Mr. Worthington said a new legal drain, known as the Steinberger Drain, would come up for approval later on. They were advised, by the Commission, to have plans and profiles, approved by the Soil Conservation Service, and maps showing the area benefited and ownership, along with a complete statement of yardage and costs submitted to the Water Commission. They were directed to send these to the State Engineer, after which they would be considered at a meeting of the Commission.

The Commission requested the Secretary to ask the Attorney General for an opinion on whether property owners within a drainage district and who have not contributed to the cost of the drain, have the right to discharge their drainage waters into the district drainage ditch, without paying their share of construction and maintenance costs. As designed, the proposed district drainage ditch is not large enough to carry off any additional drainage water.

The Bottineau County drainage board left the meeting at 10:55 a.m.

Pembina County drainage representatives entered the meeting at 10:55 a.m. Those present were: John Dillon, District Conservationist from Park River and A. B. Linford, District Conservationist, Wahpeton, and the following members from the Pembina Board of County Commissioners: Boyd Renwick, John Snyder, F. Hall and W. Halfpenny.

Mr. Dillon explained to the Commissioners that Pembina County had advertised for bids and awarded contracts for drainage work, and were now asking the Water Commission for an allocation of 40% of the cost of the construction work. Contracts which have been awarded to the lowest bidders are as follows:

Drain #16, awarded September 26, at a total of \$13,531 to Johnson & MacDonald, at 17¢ a yard. Will be completed this fall.

Drain #22, awarded September 9 to the Jordan Construction Company, estimated cost - \$24,766.55, at 13.9¢ a yard. Will be completed this fall.

Drain #23, bids opened August 19, 1949, awarded to Ames Sand & Company, Fargo, estimated cost - \$11,992.91, at 17.9¢ a yard. Is about one-half completed.

Drain #28, awarded October 11 to the Jordan Construction Company, \$4,138.62, at 12¢ a yard.

(All of the above contracts were advertised after July 1, and surveys and plans have been made.)

Drain #20, bids will be opened November 1, total cost estimated at \$45,000 (including culverts, at an estimated cost of 11¢ a yard.)

Drain #47, new drain proposed by the drainage board. Is in the process of going through legal hearings and being established. No contract has been let. Total cost estimated at \$21,000. (Note - See letter from W. M. Felson of 10-22-49.)

Drain #55, new drain proposed by the drainage board. Is in the process of going through legal hearings and being established. No contract has been let. Is estimated to cost \$15,928. (Re note above estimates state's share \$8,125.36.)

Drain #8, Plans were submitted in fall of 1948. Contract was made prior to last appropriation made on July 1. To be paid from 1947 appropriation.

Contracts have been let for a total of \$54,429.08, the State's share of 40% amounting to \$21,771.60.

Governor Aandahl entered the meeting at 11:23 a.m.

Commissioner Math Dahl reentered the meeting at 11:30 a.m.

Applications from counties for assistance in carrying on drainage work was considered The last session of the State Legislature appropriated \$150,000 to the State Water Conservation Commission to assist in drainage or irrigation. Out of this amount, the Commission approved the following:

ALLOCATION OF DRAINAGE FUNDS TO COUNTIES FOR THE 1949-1951 BIENNIUM, BY THE STATE WATER CONSERVATION COMMISSION:

Cass	\$ 20,000	Richland	\$ 8,000
Dickey	3,000	Sargent	4,000
Ransom	8,000	Traill	5,000
Grand Forks.	8,000	Walsh.	5,000
Pembina.	35,000	Bottineau.	14,000

Total allocated \$110,000.00.

A motion was made by Commissioner Olson to approve the allocation of funds to the various counties as outlined, which motion was seconded by Commissioner Christensen. Upon call of the roll by Governor Aandahl, as Chairman, Commissioners Thompson, Olson, Christensen, Math Dahl and Governor Aandahl all voted aye. Motion carried.

The meeting recessed at 12:00 o'clock noon.

The meeting reconvened at 1:30 p.m. with the following persons present: Commissioners Einar Dahl, Olson, Christensen and Thompson, and State Geologist, Wilson M. Laird and P.D. Akin of the Geological Survey.

Dr. Laird reported to the Water Commission on the progress of their underground water program and requested financial assistance for their future needs. They stated that about \$20,000 had been spent on actual drilling work during the past year, and additional monies would now be needed for administrative and accounting work directly related to the projects and to carry on their program of assembling water use data concerning water levels. Mr. Akin reported on drilling operations in the Devils Lake area, stating that pumping tests conducted around Sweetwater Lake showed the quality of the water to be good, but the water possibilities were not enough to take care of the needs of the town for long periods. He stated that studies do not indicate there is any connection between the Lake waters and the ground waters in that area.

Dr. Laird and Mr. Akin left the meeting at 2:10 p.m.

It was the recommendation of the Commission that the State Geological Survey should curtail their program now and get along with the funds they have left for this fall, but that the groundwater investigations now in progress be completed as soon as possible.

Mr. George Moses, of the Associated Press, entered the meeting at 2:33 p.m.

Judge A. M. Christianson entered the meeting at 2:33 o'clock p.m.

Judge Christianson recommended that the Water Commission consider giving the Lewis and Clark Irrigation District some assistance in the reconstruction of their drain. Commissioner E. Dahl said the District has agreed to keep and maintain the drain if constructed, but they are financially unable to pay for the cost of construction. It was suggested that the Water Commission assist in financing the work. It was estimated that the drain will cost from \$5,000 to \$10,000, and the Commission felt the District should contribute 20% of the cost, as their share, and the State Water Commission's share should come from the prior fund of \$10,000 which has been allocated to the District from the 1947-1949 fund.

Commissioner Christensen made the following motion: "I move that the Water Commission ask Commissioner Einar Dahl to work out an arrangement with the directors of the Lewis and Clark irrigation project with respect to the drain in such a way that the lawsuit will be dropped and that the Water Commission, out of the prior allocation, will contribute up to 80% of the cost of the drain." The motion was seconded by Commissioner Olson. Upon call of the roll by Governor Aandahl, Commissioners Einar Dahl, Christensen, Thompson, Olson and Governor Aandahl all voted aye. Motion carried.

Judge Christianson left the meeting at 3:00 o'clock p.m.

Mr. Walter Maddock of the Farmers Home Administration, Bismarck, entered the meeting at 3 o'clock p.m.

Mr. Walter Maddock, State Director of the Farmers Home Administration, met with the Commission and discussed their Water Facilities program. He stated that the Bureau of Reclamation has been trying to work out a contract with the Cartwright Irrigation District, and expect to let a contract next spring or before July 1. The Farmers Home Administration has made a loan to Mr. Bill Lassie, whose project is located within the irrigation district. Mr. Maddock said it was their desire to work in cooperation with the Water Commission. He extended an invitation to the Members to attend all their state and county meetings of the Agricultural Advisory Council, and to designate one member of the Commission as a representative to attend these meetings. He announced that the next meeting would be held at Fargo on November 15. Governor Aandahl suggested that notices of the meetings be sent to the Secretary of the Water Commission in order that they might send a representative to attend.

Mr. Maddock left the meeting at 3:40 p.m.

Commissioner Thompson gave a report on his attendance at the meeting called by the City Commission of Grafton on October 18, to determine ways and means of supplying their city with water from the Homme Dam, and their problems in connection with the pollution of waters from the Park River. Mr. Theo. W. Sette, Bank of North Dakota, and Mr. R. H. Sherman, Chairman, and H. W. Swenson, Secretary, of the Board of Administration, were present representing the State.

Commissioner Thompson said he had called their attention to the fact that both Park River and Grafton have signed assurances that local interests would prevent the

discharge of raw sewage into the river by municipalities, and that adequate sewage treatment facilities would be provided. Mr. Thompson stated he had told the people of Grafton that the Water Commission would be glad to assist them, but that this was pretty much of a local problem.

It was agreed that the Commissioners should all attend the State Reclamation Association Convention at Devils Lake on November 18 and 19, and that Commissioner Einar Dahl should represent the Water Commission at the North Dakota Natural Resources Council meeting to be held at Bismarck on November 15.

Fred J. Fredrickson, Valley City, reported on the National Water Conservation Conference held in Chicago on September 22 and 23, and expressed his interest in the North Dakota State Water Conservation Commission becoming a member of that Association. Mr. Fredrickson presented Resolutions on behalf of the Southeast District of the Water Conservation Conference and made a plea for membership in the organization. Mr. Fredrickson also asked that Secretary Walsh be made a member of the Water Conservation Conference, to serve as a member of equitable distribution of power, and also requested that the Water Commission look into these matters and study the reports of the Water Conservation Conference and make recommendations to the Legislature.

Commissioner Christensen made the following motion: "I move that we subscribe \$250 in payment of annual membership fees and services, to the National Water Conservation Conference." The motion was seconded by Commissioner Olson. Upon roll call, Commissioners Einar Dahl, Olson, Thompson, Christensen and Governor Aandahl all voted aye. Motion carried.

Mr. Fred Fredrickson informed the Commission that Mr. Fred Hagen, Fargo, had requested him to inform the Water Commission that they would like to have a meeting of all interested parties as to matters of irrigation of water right priorities from the Baldhill reservoir.

Secretary Walsh presented a resolution submitted by the Board of County Commissioners, Adams County, requesting the State Water Conservation Commission to organize a water conservation and flood control district in Adams County. Commissioner Thompson made a motion that the following Resolution be adopted by the State Water Conservation Commission, which was seconded by Commissioner Christensen:

ORDER ESTABLISHING THE ADAMS COUNTY WATER
CONSERVATION AND FLOOD CONTROL DISTRICT

WHEREAS a petition, dated the fifth day of October, 1949, signed by the members of the Board of County Commissioners of Adams County, North Dakota, requesting the State Water Conservation Commission to establish and create a water conservation district consisting of all the territory embraced within the boundaries of said county, has been presented to and filed with the Commission, and

WHEREAS said petition is accompanied by a resolution bearing the certificate of the county auditor which shows that on the fifth day of October, 1949, the Board of County Commissioners of Adams County, North Dakota, in meeting assembled, duly adopted said resolution authorizing and directing the members of said board of county commissioners to sign and file with the Commission said petition, and

WHEREAS the State Water Conservation Commission by resolution adopted on the 24th day of October, 1949, duly approved said petition and authorized the establishment of a water conservation and flood control district, in conformity with the provisions of Chapter 348 of the Session Laws of 1949, to be known as Adams County Water Conservation and Flood Control District, consisting of all the territory contained within the boundaries of Adams County, North Dakota;

NOW THEREFORE KNOW ALL MEN BY THESE PRESENTS:

That it is hereby ordered that a water conservation and flood control district, designated and known as Adams County Water Conservation and Flood Control District and consisting of all the territory embraced within the limits and boundaries of Adams County, North Dakota, is hereby established and that the Board of County Commissioners of Adams County is hereby fully empowered and authorized to appoint a board of Commissioners of said water conservation and flood control district vested with the powers and duties prescribed by statute.

Dated at Bismarck, North Dakota, this 28th day of October, 1949.

STATE WATER CONSERVATION COMMISSION

By: *Fred S. Randahl*
 Governor of the State of North Dakota
 and Ex Officio Chairman of the
 State Water Conservation Commission

ATTEST: *J. W. Olson*
 Secretary and Chief Engineer
 State Engineer

Upon taking of the vote, the Commissioners voted unanimously for the adoption of the Resolution. Motion carried.

Commissioner Thompson made the following motion: "I move that the agreement for an underground water survey and investigation between the Village of Fairmount and the State Water Conservation Commission be approved." The motion was seconded by Commissioner Einar Dahl. A vote was taken, with the Commissioners voting unanimously. Motion carried.

Commissioner Einar Dahl made a motion that the following applications for permit to divert and appropriate water of the State of North Dakota, having complied with the rules and regulations of the State Water Conservation Commission, including publication of "Notice of Hearing" in the local county newspaper, and the necessary information and maps having been filed in the office of the Commission, the applications be approved subject to prior and existing water rights covering the rivers involved:

Application for permit to divert and appropriate
 water from:

G. W. Patterson, Carpio, North Dakota,	Des Lacs River, tributary of Souris River
J. E. Harding, Medora, " "	Little Missouri River, tributary of Missouri
Georgia M. Olsen, Medora, " "	Little Missouri River, tributary of Missouri
D. L. McLeod, Medora, " "	Little Missouri River, tributary of Missouri
Henry Bautz, New England " "	Cannonball River, tributary of the Missouri
Gordon F. Ridl, Dickinson, " "	Green River, tributary of the Heart River

The motion was seconded by Commissioner Olson. Upon taking of the vote, the above applications for permit to divert and appropriate water of the State of North Dakota, were unanimously approved by the Commission. Motion carried.

The Commissioners considered a letter from Chas. E. Brokaw of the Inter-Agency Committee relative to a pamphlet being prepared in regard to activities in the Missouri Basin. Commissioner Thompson made a motion that the Commission purchase pamphlets in an amount not to exceed 5,000. The motion was seconded by Commissioner Christensen.

Roll Call was taken, with Commissioners Olson, Thompson, Einar Dahl, Christensen, and Governor Aandahl all voting aye. Motion carried.

Resolutions were received from the Devils Lake Chamber of Commerce and the Board of the City Commission, Devils Lake, urging that the Garrison Reservoir be named "Lake Thompson" in recognition of the outstanding service of Sivert W. Thompson, who has pioneered and promoted water conservation and development over a period of thirty years. The Commission felt the matter should be further considered, as it is their opinion that the people of North Dakota are very much in favor of honoring Mr. Thompson by naming the reservoir Lake Thompson. The matter was left with Governor Aandahl to contact Major General Lewis A. Pick, Chief of the Corps of Engineers, Washington, D. C., to find out the proper procedure to be followed in having the lake named in honor of Mr. Thompson.

As there was no further business before the Commission, the meeting adjourned at 5:30 p.m.

Respectfully submitted,


Secretary

ATTEST:


Chairman

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF ACCOUNTS AS OF October 31, 1949
 1949-1951 APPROPRIATIONS

Fund No.	Appropriation for	Available July 1949	Expended to Sept. 30, 1949	Expended Oct. 1949	Balance Oct. 31, 1949
1	Commissioner's Per Diem and Expenses	\$ 4,000.00	\$ 246.33	\$ 467.31	\$ 3,286.36
2	Administration	30,000.00			
	Collection and Refunds	2,826.09	5,643.17	1,619.69	25,563.23
3	Maintenance of Existing Dams	100,000.00			
	Collections and Refunds	492.17	24,236.71	5,978.93	70,276.53
4	International and Interstate Commissioner's and Conference Expenses	12,000.00	942.33	600.00	10,457.67
5	Topographic and Conservation Cooperation with the U.S. Geological Survey	30,000.00			30,000.00
6	Hydrographic Surveys, Coop. with U.S.G.S.	20,000.00	937.67	1,277.05	17,876.15
	Refund	90.87			
7	Salary-State Engineer	5,400.00	675.00	225.00	4,500.00
8	Construction and Reconstruction - Drains or Irrigations .	150,000.00			150,000.00
9	Engineering & Geological Survey & Demonstrations	30,000.00	1,236.51	226.29	28,537.20
10	Cooperation with U.S. Depts., Small Projects & for organizing Conservation & Irrigation Dist.	135,000.00			135,000.00
11	Other Investigations, Surveys and Etc.	90,000.00	14,568.28	3,171.57	72,296.91
	Refund	36.76			
12	Construction Bond Guaranty Fund	70,541.00			70,541.00
		<u>\$680,386.89</u>	<u>\$48,486.00</u>	<u>\$13,565.84</u>	<u>\$618,355.05</u>

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NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF ACCOUNTS AS OF OCTOBER 31, 1949
 1947-1949 APPROPRIATIONS

Fund No.	Appropriation for	Available July 1949	Expended to Oct. 31, 1949	Balance Oct. 31, 1949
1	Commissioner's Per Diem and Expenses	\$ 4,000.00	\$ 3,855.35	\$ 144.65
2	Administration	30,000.00		
	Plus refunds and collections	5,520.41	31,721.41	3,799.00
3	Maintenance of Existing Dams	45,000.00		
	Plus refunds and donations for dam repairs	27,209.11	72,132.26	76.85
4	Tri-State Waters and Portion of Administration and Conference Expenses	1,000.00	160.92	839.08
5	International and Interstate Compacts	10,000.00	8,522.05	1,477.95
6	Topographic and Conservation Branches, Cooperation with the U.S. Geological Survey	30,000.00	24,878.26	5,121.74
7	Hydrographic Surveys, Cooperation with the U.S. Geological Survey	20,000.00	20,000.00	Nil
8	State Engineer's Salary	5,400.00	5,400.00	Nil
9	Reconstruction of Drains or Irrigation	200,000.00	86,098.63	113,901.37
10	Engineering and Geological Surveys and Demonstrations	30,000.00	30,000.00	Nil
11	Postwar Projects, Cooperation with U. S. Departments	135,000.00	104,211.74	30,788.26
12	Other Investigations, Surveys & Etc.	<u>90,000.00</u>	<u>73,945.06</u>	<u>16,054.94</u>
		<u>\$ 633,129.52</u>	<u>\$ 460,925.68</u>	<u>\$ 172,203.84</u>

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NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
BALANCES OF PRIOR FUNDS RECOVERED BY OPINION OF
ATTORNEY GENERAL AND UNDER SECTION 54-2709
AS OF OCTOBER 31, 1949

Fund No.	Year	Appropriations For	Balance 10-1-49	Expended to Oct. 31, 1949	Balance Oct. 31, 1949
1	1939	Commissioner's Per Diem	\$1,757.00	Nil	\$1,757.00
8	1939	Sponsor's Share of Dam Repairs	2,088.08	\$439.32	1,648.76
1	1941	Commissioner's Per Diem	395.00	Nil	395.00
4	1941	Maintenance of Existing Dams, Plus \$51.00 refund . . .	53.86	Nil	53.86
12	1941	Tri-State Waters, Administration and Conference	8.61	Nil	8.61
15	1941	Topographic Surveys13	Nil	.13
11	1945	Postwar Projects, Cooperation with U.S. Depts.	<u>14,813.72</u>	<u>261.06</u>	<u>14,552.66</u>
			<u>\$19,116.40</u>	<u>\$ 700.38</u>	<u>\$18,416.02</u>

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NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
DEPOSITS IN THE BANK OF NORTH DAKOTA
AS OF OCTOBER 31, 1949

Source of Deposits	Transit No.	Amount Deposited	Expanded to Sept. 30, 1949	Expanded October	Balance October 31, 1949
Collections on Yellowstone Pumping Irrigation District \$3,500.00 warrant. Interest paid to 10-1-44; Tax collections to Jan. 31, 1949	501-118 501-118 501-118	\$366.36 499.53 330.90	Nil	Nil	\$1,196.79
Contributions for Groundwater Surveys:					
Fessenden		\$1,000.00			
Mountain		100.00			
Maddock		750.00			
Lakota		1,000.00			
Rolla		750.00			
Devils Lake		7,500.00			
Aneta		1,000.00			
Litchville		1,000.00			
Wyndmere		1,000.00			
Portland		500.00			
Kindred		1,000.00			
Myle		250.00			
Neché		300.00			
Transfer		.10			
St. John		750.00			
Streeter		1,000.00			
Mohall		1,000.00			
Richardton		750.00			
Portland		200.00			
Bowbelle		1,000.00			
Michigan		580.50			
Wimbledon		1,000.00			
Fairmount	501-128	23,430.60	11,278.44	4,262.12	7,890.04
Sale of N. Dak. Water Development Books	501-127	2,371.10	Nil	Nil	<u>2,371.10</u>
TOTAL OF ALL BANK OF NORTH DAKOTA DEPOSITS AS OF OCTOBER 31, 1949					11,457.93

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PAYROLL OF
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
OCTOBER 1949

Name	Duties	Salary for October	Withhold- ing tax	N. D. OASIS	Hosp. Ins.	Net Pay	Remarks
Walsh, J. J.	Sec'y-State Engineer	\$400.00	\$28.10	\$4.00	\$3.78	\$364.12	Increased June 1947
Acker, Iver	Administrative Ass't	350.00	35.40	3.50	3.78	307.32	Started Jan. 1, 1949
Andersen, Albin	Engineer	250.00	21.00	2.50	3.78	222.72	Increased February 1948
Berge, Einar	Technical Ass't	115.00		1.13	3.78	110.07	Increased February, 1948
Canard, Ruth	Stenographer	90.48	13.60	.98		75.98	Quit Oct. 16, 1949
Carman, Bertha	Typist	76.77	7.07	.77		68.93	Worked 1/2 days during Oct.
Cooper, Vernon	Accountant	300.00	19.90	3.00	3.78	273.32	Increased July 1, 1949
Dodd, Harold	Engineer	275.00	16.30	2.75	3.78	252.17	Increased June 1948
Falconer, Harry	Rodman	140.00	12.90	1.40		125.70	Started April 11, 1949
Gamble, Clarence	Instrumentman	225.00	25.50	2.25		197.25	Increased June 1948
Nichols, Don	Engineer, Ass't Sec'y	325.00	40.10	3.25	1.52	280.13	Increased June 1947
Nordstrom, Franz	Foreman	225.00	8.90	2.25		213.85	Increased May 1, 1949
Orr, F. G.	Bookkeeper	300.00	11.60	3.00	3.78	281.62	Increased February 1948
Peterson, Winifred	Stenographer	200.00	21.90	2.00	1.52	174.58	Increased December 1948
Putz, Roy	Rodman	140.00	12.90	1.40		125.70	Started April 19, 1948
Schmitzke, Otto	Garden Foreman	225.00		2.25		222.75	Started April 19, 1948
Sheldon, Marvin	Engineer	275.00	32.90	2.75	1.52	237.98	Increased April 1, 1949
Tibbs, Gerald	Instrumentman	185.00	19.50	1.85		163.65	Increased February 1949
Torvik, Deane	Engineer	250.00	21.00	2.50	3.78	222.72	Increased February 1948
Hagert, E. S.	Engineer	300.00	28.20	3.00		268.80	
Heyse, Jean	Stenographer	53.23	7.95	.53		44.75	Worked Oct. 3-14, 1949

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