

## SPECIAL APPROPRIATION

## FACULTY PAYROLL - Voucher #40

798	Boughton, Augustus S.	398.30
799	Hughes, Richard V.	629.76
800	Hutchinson, Robert M.	503.42
801	Johnson, Don H.	396.22
802	Johnson, George W.	458.70
803	Johnstone, James G.	429.58
804	Jones, John H.	357.15
805	Jordan, A. Raymond	746.90
806	Jurney, William H.	530.15
807	Keating, Paul H.	499.09
808	Kelly, T. A.	554.87
809	Kelsey, Harry E.	442.10
810	Kent, Harry C.	345.99
811	Kline, John V.	498.44
812	Klugman, Michael A.	423.18
813	Koehler, Edward C.	181.86
814	Kuhn, Truman H.	1,033.94
815	Lafferty, Michael H.	311.04
816	Laubach, Winton	349.62
817	LeMaire, George W.	527.28
818	Lentz, Oscar	390.94
819	LeRoy, Leslie W.	831.12
820	Long, V. Allan	602.19
821	Lucas, George E.	417.13
822	Marsh, Donald C.B.	374.87
823	Marshall, Scott J.	445.52
824	Mateer, Warren D.	387.98
825	Mathews, Frank S.	503.23
826	Merideth, George T.	623.33
827	Merrin, James	472.85
828	Milich, Dale	333.16
829	Moore, Fred E.	363.11
830	Morgan, Lyman W.	525.47
831	Nordquist, Carl G.	421.14
832	Ogden, Lawrence	401.99
833	Osborn, Robert B.	455.47
834	Parker, Ben H., Jr.	324.95
835	Parkinson, Lute J.	711.81
836	Faynter, Thomas E.	483.39
837	Pearson, Robert S.	358.11
838	Pegis, Anton G.	453.68
839	Peters, William R.	476.00
840	Pierce, Albert L.	353.65
841	Pohrte, Theodore W.	424.64
842	Poole, H. Gordon	748.11
843	Preston, Ronald D.	507.40
844	Prince, Lawrence J.	452.42
845	Pugh, Bill R.	415.15
846	Richtmann, William M.	500.83
847	Rinehart, John S.	819.20
848	Rodgers, Paul A.	468.13
849	Rowland, David A.	321.28
850	Sankovitz, James L.	402.43
851	Schieltz, N. Cyril	558.94
852	Shull, Charles M. Jr.	440.12

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #40

853	Bisson, George T.	326.99
854	Smiley, Francis E., Jr.	471.85
855	Starks, Charles W.	446.19
856	Steinhauer, Gurnett	776.19
857	Sutherland, Joycelyn	288.52
858	Taylor, Robert J.	345.24
859	Toles, Chris	406.86
860	Traxler, David W.	411.56
861	Vanderwilt, John W	1,106.83
862	Waldron, Howard L.	360.17
863	Weimer, Robert J.	438.81
864	Wichmann, Arthur P.	545.62
865	Wilcox, Virginia Lee	555.50
866	Williams, Art	442.09
867	Williams, John T.	472.96
868	Williams, Terrance J.	329.79
869	Wright, Curtis	382.29
870	Wright, W. Lloyd, M. D.	481.64
	TOTAL FACULTY PAYROLL	59,770.79

SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #41

871	Aldridge, M. Floyd	195.81
872	Bacon, Claud A.	308.90
873	Bain, Miriam W.	189.84
874	Barksdale, Becky A.	209.01
875	Berthal, William L.	253.22
876	Baxter, Viola	194.65
877	Bedner, Cecilia	210.31
878	Berlin, Avis M.	151.94
879	Billingham, Charles	252.11
880	Eliss, Mary Geneva	194.58
881	Braun, Frank J.	249.98
882	Brill, Edward	264.15
883	Britton, Esther	201.00
884	Brobeck, Harold V.	254.05
885	Brindle, Estel	205.25
886	Bufmak, Frank	214.98
887	Burtlow, Cedric Gene	271.27
888	Bussert, Shirley	221.51
889	Campbell, Russel E.	300.74
890	Carder, Charlotte	179.45
891	Elevins, Vera	189.70
892	Carlson, Phyllis	229.81
893	Carver, Walter B.	219.53
894	Casady, Leonard D.	335.31
895	Caster, Rosalie	208.61
896	Chambers, Paul L.	289.30
897	Childers, Engra M.	299.39
898	Connor, Rex L.	246.35

## SPECIAL APPROPRIATION

## CIVIL SERVICE PAYROLL - Voucher #41

899	Crabtree, John Arrie	268.94
900	Denley, Clint E.	153.22
901	Dickens, Earl	411.28
902	Diltz, Glenn	271.35
903	Dillon, Dorothy	207.21
904	Dillon, Ross Harold	284.59
905	Dinkmeyer, Elvera B.	283.89
906	Dolan, Francis	324.70
907	Doller, Claude E.	227.28
908	Donshee, George W.	268.94
909	Dugger, Helen	212.05
910	Dygert, Harold	200.95
911	Essley, Fred D.	339.88
912	Eastin, Dick	213.28
913	Eddleman, Janice C.	225.06
914	Ervin, Madelyn R.	208.61
915	Ferner, Clarence J.	219.53
916	Fortune, William E.	304.53
917	Gallagos, Alfred J.	285.40
918	Gilchrist, Clarence	202.15
919	Godfrey, J. H.	234.93
920	Good, Doris	229.81
921	Goodhead, James W.	184.67
922	Graham, Doris L.	361.75
923	Gregory, Clyde G.	351.24
924	Haas, Theodore E.	279.03
925	Hader, Albert H.	198.61
926	Hansen, Ola E.	199.00
927	Hatfield, John D.	292.97
928	Hemberger, Clarence G.	377.43
929	Hofmeister, Edward C.	234.75
930	Howarter, William H.	212.32
931	Hungness, Carl Hall	243.75
932	Jenson, Henrietta O.	220.51
933	Johnston, Helen	257.34
934	Kerley, Walter C.	184.10
935	Koch, William O.	242.70
936	Kruger, Richard F.	218.31
937	Kubesh, Josephine	205.70
938	Lamb, Melanee B.	208.61
939	Lange, Edward	324.77
940	Lee, William	313.71
941	Lietz, Rudolph	254.05
942	Ljungvall, Donald	271.89
943	Loving, Orville O.	355.43
944	Mandiloff, Dean M.	282.25
945	Mandiloff, Vasil C.	234.43
946	Marvin, Thomas	216.38
947	Matthews, Arthur W.	179.05
948	Mattson, Walter	274.75
949	McHulty, Susan Lee	189.55
950	McPhail, Vernon W.	210.85
951	Melcher, Adolf A.	186.75
952	Master, Chris L.	294.30
953	Miller, Robert A.	335.72

## EXPERIMENTAL PLANT FUND

TOTAL PAYROLL & DEDUCTIONS ON EXPERIMENTAL  
FUND

441.88

## SPECIAL APPROPRIATION

## SUPPLY VOUCHERS

46	Abrahams Magazine Service, Inc.	227.13
47	Academic Press, Inc.	7.79
48	Ace-Kauffman Rubber Stamp & Seal Co.	53.80
49	American Linen Supply Co.	8.40
50	American Mathematical Society	476.00
51	American School and University	7.00
52	American Society for Testing Materials	195.00
53	Audio-Visual Center	43.36
54	Waynerd F. Ayler	9.66
55	Peter C. Badgley	14.95
56	George Banta Co., Inc.	11.59
57	Bartell Tool Service	19.55
58	Matthew Bender & Co., Inc.	18.50
59	Harold Bloom	8.89
60	Book-of-the-Month Club, Inc.	5.29
61	Braniff Airways, Inc.	133.10
62	Braun-Knecht-Haimann-Company	383.30
63	Brinkmann Instruments, Inc.	124.00
64	BEOS Incorporated	216.28
65	Buehler Ltd.	39.00
66	Burch Warehouse & Transfer Co., Inc.	438.00
67	H. Dean Burdick	185.61
68	Wm. V. Burger	66.12
69	Central Electric Supply Co.	42.00
70	Central Scientific Company	22.56
71	Clear Creek Transportation Co.	31.64
72	Mel Coffman Associates, Inc.	46.81
73	Colorado Central Power Co.	3,155.77
74	The Colorado News Company	39.50
75	Colorado Office Supply, Inc.	122.95
76	Colorado & Southern Railway Co.	12.33
77	Colorado Surplus Property Agency	1,314.19
78	Consolidated Parts, Inc.	6.96
79	Continental Oil Company	116.85
80	Ben Cook Supply Co.	969.50
81	Max Cook Sporting Goods Co.	443.20
82	H. G. Daniels Company	25.20
83	James W. Darden	39.06
84	Denver Bookbinding Co.	467.19
85	Denver Electronic Supply Co.	122.45
86	Denver Machine Shop, Inc.	810.10
87	Earl Dickens	24.50
88	Dictaphone Corporation	9.87
89	Dixon & Company	168.06
90	DoAll Denver Company	14.02
91	Dover Publications, Inc.	18.94
92	E. I. DuPont de Nemours & Co., Inc.	38.75



## SPECIAL APPROPRIATION

## SUPPLY VOUCHERS

93	Duwall-Davison Lumber Company	114.06
94	Harold H. Earhart	18.20
95	Educational & Institutional Cooperative Service, Inc.	123.75
96	Elk Coal Company	2,331.51
97	Ease Radio Company	146.25
98	E-Z Way Laundry	53.40
99	Edward C. Fisher	112.50
100	Fisher Scientific Company	42.88
101	Foss Drug Company	254.45
102	M. L. Foss, Inc.	500.74
103	Frankel Carbon & Ribbon Co.	132.30
104	Frontier Press	27.49
105	Gardner-Denver Company	10.30
106	Gates Factory Store, Inc.	138.80
107	General Electric Co.--Apparatus Sales Division	66.50
108	General Electric Co.--X-Ray Dept.	50.20
109	General Electric Supply Co.	7.25
110	City of Golden--Water Dept.	5,969.30
111	Golden Laundry-Mat	217.44
112	Graham Paper Company	1,076.45
113	Grinnell Company	110.57
114	Clara C. Gross	119.38
115	Hank's Gift & Art Shop	200.00
116	Hassco, Inc.	17.28
117	Hendrie & Bolthoff Co.	87.69
118	Nicks-Denver Company	35.60
119	A. E. Heinsohn	24.20
120	A. E. Hirschfeld Press, Inc.	6,287.00
121	Helio Buchhandlung und Antiquariat GmbH	17.50
122	Hercules Powder Company	275.00
123	Hewlett Packard Company	1,100.00
124	International Business Machines Corporation	807.68
125	Interscience Publishers, Inc.	6.50
126	Inter-State Radio & Supply Co.	54.64
127	Jensen Paper Company	283.80
128	Jimmie's Shoe Shop	19.70
129	Johns-Manville Sales Corporation	179.63
130	Johnson Hardware, Inc.	17.59
131	Johnson Reprint Corporation	258.84
132	Johnson Tele-Visuals	1,421.80
133	George W. Johnson	5.46
134	Walter J. Johnson, Inc.	97.00
135	Journal of Mathematics & Physics-- Massachusetts Institute of Technology	24.00
136	Joy and Cox, Inc.	26.39
137	Joy Manufacturing Co.	72.76
138	K. C. Construction Supply Co.	39.83
139	Kellogg's Hardware, Inc.	7.98
140	Kendrick-Bellamy Co.	409.39
141	Harry C. Kent	17.01
142	Keuffel & Esser of Colorado, Inc.	431.15

## SPECIAL APPROPRIATION

## SUPPLY VOUCHERS

143	Kidde Sales & Service Co.	41.00
144	Kistler's	142.70
145	Kohler McLister Paint Co.	75.88
146	Kreus Periodicals, Inc.	96.19
147	Truman H. Kuhn	13.86
148	Lehans & Co.	47.40
149	Lakewood Sign Service	34.40
150	Edward W. Lange	8.75
151	S. O. Lindahl Photo Sales, Inc.	9.75
152	V. Allen Long	6.50
153	James D. McLean, Jr.	15.65
154	McMurtry Mfg. Co.	114.65
155	George T. Merideth	89.50
156	Merritt Tire Shop	306.82
157	Metal Goods Corporation	11.72
158	Mid-West Debate Bureau	19.13
159	Midwest Saw Filing & Grinding Works	9.10
160	Mine and Smelter Supply Co.	979.49
161	Minerals Unlimited	250.00
162	Minneapolis-Honeywell Regulator Co.	8.62
163	Mountain & Plain Paint Co.	160.57
164	Mountain States Telephone & Telegraph Company	1,715.73
165	Murray Equipment Co.	52.20
166	Mutual Furniture & Fixture Co.	67.16
167	National Mine Service Co.	50.00
168	National Oil Scouts & Landmen's Association	35.00
169	National Theatre Supply Co.	8.08
170	Natural History Book Club, Inc.	13.42
171	W. W. Norton & Co., Inc.	9.18
172	Old West Publishing Co.	12.75
173	Paint & Lacquer Co.	46.87
174	Paramount Cleaners-Dyers	68.75
175	L. J. Parkinson	12.60
176	Frank Paxton Lumber Co.	233.45
177	J. E. Payne	15.00
178	Pearce Drill Steel Corporation	67.83
179	William R. Peters	12.74
180	Photostat Corporation	27.10
181	John W. Pickthall	8.26
182	Pioneer Auto Wracking Co.	5.48
183	Pittsburgh Plate Glass Co.	15.15
184	Pleasant View Water & Sanitation District	9.90
185	Wendell G. Plumber	12.95
186	Harry H. Post Co.	129.25
187	Public Service Co. of Colorado	288.07
188	Publishers Press, Inc.	276.97
189	Purity Textiles Corporation	340.00
190	A. D. Sedinsky & Sons	33.21
191	Gordon Remstetter	145.00
192	Rapidac Reproductions, Inc.	51.00
193	Readex Microprint Corporation	118.29
194	C.S.M. Revolving Fund	708.97

**SPECIAL APPROPRIATION**

**SUPPLY VOUCHERS**

195	John S. Rinehart	13.52
196	Rio Grande Co.	14.70
197	Robinson Brick and Tile Co.	114.50
198	Rockmont Envelope Co.	70.09
199	Rockwall Manufacturing Co.	12.78
200	Rocky Mountain Camera Repair Co.	35.00
201	Sanitary Specialties Co.	11.40
202	James L. Benkovits	51.38
203	School Science & Mathematics	9.00
204	Scran's Radio and TV Service	30.20
205	Scribbler's Book Company	59.47
206	Charles Scribner's Sons	123.38
207	Sears, Roebuck and Co.	235.26
208	Serv-All Parts Co.	5.88
209	J. A. Saxauer Mfg. Co., Inc.	19.61
210	Silver State Printers	68.20
211	Silver Steel Company	66.12
212	Francis E. Smiley, Jr.	11.62
213	Stechert-Hafner, Inc.	123.10
214	Gurnett Steinhauer	20.02
215	Strawn's Stationery	587.18
216	Tatnall Measuring Systems Co.	2,921.51
217	Technical Equipment Corporation	1,600.00
218	Thermo-Fax Sales of Colorado, Inc.	11.07
219	Thompson Pipe & Steel Company	134.08
220	Chris Tolos	115.78
221	Transport Clearings of Colorado, Inc.	81.19
222	Union Supply Company	150.93
223	United Air Lines	97.70
224	U. S. Geological Survey	37.10
225	United Tool & Material Co.	77.28
226	University of Colorado--Research Service Laboratories	64.00
227	John W Vanderwilt	89.85
228	Warren Lumber & Hardware Co.	306.08
229	Weaver Electric Co.	20.00
230	Western Belting Co., Inc.	23.74
231	Westinghouse Electric Corporation	172.50
232	John Wiley & Sons, Inc.	20.69
233	H. W. Wilson Company	480.00
234	Zep Manufacturing Co.	129.40
235	C.S.M. Research Foundation, Inc.	5,551.72
<b>TOTAL SUPPLY VOUCHER ON SPECIAL APPROPRIATION</b>		<b>53,425.23</b>

**EXPERIMENTAL PLANT FUND**

4	C.S.M. Research Foundation, Inc.	2,023.35
<b>TOTAL EXPERIMENTAL PLANT FUND</b>		<b>2,023.35</b>

MILL LEVY BUILDING FUND

418	American School Supply Co.	16,800.00	
419	Bell Plumbing and Heating Co.	1,091.50	
420	Scott Bros. Electric Co.	4,769.00	
421	W. L. Snee Co.	650.00	
	TOTAL MILL LEVY BUILDING FUND		23,310.50

Previous Minutes. The minutes of the October 9, 1959 meeting were approved.

Curriculum Changes. A letter dated October 30 had been sent to each member of the Board outlining changes in the course schedules under consideration by the faculty Curriculum Committee. These changes would increase somewhat the time given nontechnical, basic sciences, and engineering sciences, and decrease the time devoted to the professional or practical courses. The changes would result in around 3 to 5 per cent decrease in total credit hours required in four years and also a slightly lower credit hour student load in the freshman-sophomore years in relation to the junior-senior years.

President Vanderwilt asked for instructions on which changes in the curriculum he should bring to the Board for its information and action. The members of the Board felt that any change which would in any way affect the character or the standing of the school should be brought to the attention of the Board for action.

One reason advanced for lowering student credit hours was to reduce or avoid criticisms by accrediting agencies that the student load at Mines was too heavy.

Action was deferred on the proposed course changes until a full meeting of the Board could be arranged.

Dr. John J. Reed. Supplementing the information provided at the October meeting, President Vanderwilt reviewed the personal record and qualifications, including supporting references, of Dr. John J. Reed as a prospective member of the Mining Department.

Through interviews on campus and at professional meetings during the past few years a mutual interest was developed. On the basis of this interest and qualifications, Professor Parkinson and Dean Kuhn recommended that Dr. Reed be employed as of August 1, 1960 as Professor of Mining Engineering at a salary of approximately \$10,000 for the regular nine-month school year. President Vanderwilt said he concurred with the recommendation in the belief that Dr. Reed would be a valuable addition to the faculty.

Upon motion, duly seconded, it was unanimously agreed that Dr. Reed should be offered the appointment as recommended.



Computer Operation. President Vanderwilt passed around a report showing a breakdown on the operation of the computer for the past year. It was noted that the computer had been used a total of 1,047 hours. The idea of making the computer available for private commercial use was discussed briefly.

Monthly Reports. Summary of Budget Appropriation and Disbursements as of October 30, 1959; Balance Sheet, October 31, 1959; Mill Levy Building Fund as of October 31, 1959; Experimental Plant, Summary of Budget Appropriation and Disbursements, as of October 31, 1959; Dining Hall covering period July 6, 1959 through June 30, 1960; Statement of Income & Expense, Canteen, covering period September 20, 1959 through October 20, 1959; Statement of Income & Expense, Mines Park, as of October 20, 1959; Mines Park, Summary of Budget Receipts & Disbursements, as of October 20, 1959; Statement of Income & Expense, Prospector Park, as of October 20, 1959; Statement of Income & Expense, Mines Bradford Hall & New Dormitory, as of October 20, 1959; Statement of Income & Expense, C.S.M. Houses - Group #1, as of October 20, 1959; Statement of Income & Expense, C.S.M. Houses - Group #2, as of October 20, 1959; Statement of Income & Expense, Mines Park Houses - 29-36 Inclusive, as of October 20, 1959; Summary of Budget Receipts and Disbursements, Mines Park Houses, 29-36 Inclusive, as of October 20, 1959; Statement of Income & Expense, C.S.M. Houses Group #1 & Mines Park Houses, 29-36 Inclusive, as of October 20, 1959; Statement of Income & Expense, 1959-60 Health & Accident Plan, Associated Students of the Colorado School of Mines, Inc., October 30, 1959; Budget Period, 1959-60 Health and Accident Plan, Associated Students of the Colorado School of Mines, Inc., October 30, 1959; and Athletic Association, Summary of Budget Appropriations and Disbursements, as of October 20, 1959.

Clay Pit Area. Mr. Steinhauer reported that he had talked with Mr. William Parfet who had stated that the owners of the clay pit area had become interested in some property owned by the Standard Fire Brick Company and were considering the possibility of attempting to trade with them. A drill test on the area was to be done the following week. Mr. Parfet had suggested that after the test was made a group, including Mr. Steinhauer, contact the Standard Fire Brick Company and try to arrive at agreeable terms.

Bank Resolutions. Mr. Steinhauer presented resolutions permitting the school to open new savings accounts to accommodate present savings accounts which had gone over \$10,000. The following resolutions were unanimously adopted:

RESOLVED, that the funds of the Colorado School of Mines be and the same are hereby authorized to be added to or paid into a savings account in Capitol Federal Savings and Loan Association of Denver and that said institution be and it is hereby authorized to pay withdrawals until further written notice to it signed in the name of this organization as indicated by the signatures of John W Vanderwilt, President, and Gurnett Steinbauer, Treasurer. Said institution is authorized to supply any endorsement for the Colorado School of Mines on any check or other instrument tendered for this account and it is hereby relieved of any liability in connection with collection of such items which are handled by it in accordance with customary banking practice and it shall not be liable for the acts of banks serving as its agents, sub-agents or others or for any casualty. Withdrawals may not be made on account of such items until collected, and any amount not collected may be charged back to this account, including expense incurred, and any other outside expense incurred on account of this account may be charged to it.

RESOLVED, that the funds of the Colorado School of Mines be and the same are hereby authorized to be deposited or paid into a savings account in the Golden Savings and Loan Association and that said institution be and it is hereby authorized to pay withdrawals until further notice to it signed in the name of this organization as indicated by the signatures of John W Vanderwilt, President, and Gurnett Steinbauer, Treasurer. Said institution is authorized to supply any endorsement for the Colorado School of Mines on any check or other instrument tendered for this account and it is hereby relieved of any liability in connection with collection of such items which are handled by it in accordance with customary banking practice and it shall not be liable for the acts of banks serving as its agents, sub-agents or others or for any casualty. Withdrawals may not be made on account of such items until collected, and any amount not collected may be charged back to this account, including expense incurred, and any other outside expense incurred on account of this account may be charged to it.

RESOLVED, that John W Vanderwilt, President, and Gurnett Steinbauer, Treasurer, are hereby authorized in any manner to negotiate, cash or transfer in the name of the Colorado School of Mines Dormitory System Revenue Fund all checks,

drafts, notes, and other paper payable to it, or in which it has an interest; also, to deposit all such items or funds in the Colorado National Bank of Denver; and also to draw, sign and deliver in the name of said Colorado School of Mines Dormitory System Revenue Fund, all checks against its funds on deposit in said bank (including those drawn to the individual order of any persons whose names appear thereon as signers) and to do all such other acts and things as may be incidental to such authority and power.

The Board adjourned for lunch and afterwards reconvened in the President's Office.

Science Building Location. A letter received that morning addressed to the Board from Mr. Arthur W. Buell was read. In the letter Mr. Buell stated his reasons for not being willing to sell his house to the school. Alternate sites were discussed. The possibility of Mr. Buell changing his mind was discussed. It was agreed that all the information on the long-range plans and the architect's recommendations on the location of the science building should be made available to and discussed with Mr. Buell.

Budget Committee. President Vanderwilt reported that the legislative Joint Budget Committee would be on campus to review the 1960-61 budget. He invited the members of the Board to attend the meeting.

Group Insurance Refund. A dividend of \$5,415.65 was reported for the faculty group life and health and accident plan for the year ending May 27, 1959.

NHA Application. Mr. Steinhauer reported that he had written the Housing and Home Finance Agency in Fort Worth, Texas to inquire about making application. The Housing and Home Finance Agency had invited the school to submit an application and to send representatives to a preplanning conference in Fort Worth. Mr. Steinhauer discussed building costs and tentative budgets for married student housing, a college union, and a fraternity row. The feeling was expressed that it would be desirable to have Mr. Steinhauer, and possibly the President, go to Fort Worth to discuss this but that it should be brought back to the Board before an application is filed.

Opening Date of Fall Term. President Vanderwilt stated that for some time there had been general feeling by the faculty and administration that the opening date of our fall term and the date for Commencement should be changed to conform with dates of other schools. The Board approved the changes beginning with the fall of 1960.



CSM Research Foundation Reports. Monthly reports on Prospector Service and Western Coking Coals were made available to the Board for their information.

The meeting adjourned at 3:00 p.m.

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Secretary

November 6, 1959

Golden, Colorado  
November 19, 1959

The Board of Trustees met in special session on November 19, 1959 at 2:30 p.m. in the President's Office at the Colorado School of Mines, Golden, Colorado.

Present: Messrs. Coors, Fenwick, Johnston, Parker, and Stockmar.

Absent: No member.

President Vanderwilt and Dean Kuhn attended the meeting.

Dr. Parker, President of the Board, presided.

The meeting was called to discuss changes in the courses of study as proposed by the Curriculum Committee, beginning with the 1960-61 school year, and if time permitted, to discuss the organization of an advisory committee as discussed by the Board in previous meetings.

Curricula for 1960-61. President Vanderwilt reported that he had, on the previous day, received a report from the Engineers' Council for Professional Development on the results of the inspection for accreditation of the geology, petroleum refining, and petroleum engineering options. Each option had been accredited for an additional two years and the accompanying report had detailed strengths and weaknesses of each department inspected. The report was read to the Board.

The advantages of accreditation and the make-up of the accrediting agencies were discussed briefly.

Dean Kuhn and President Vanderwilt reviewed in detail the thinking of the Curriculum Committee leading to the suggested changes in the four-year curricula.

Members of the Board expressed the view that since the Board of Trustees is responsible for school policy, it is within the province of the Board to set limits on total credit hours and total aims for undergraduate and graduate courses, but the faculty and

November 19, 1959



administration should be left to arrive at details which would go into such total credit hours and total aims.

Members of the Board questioned the value of ROTC in the school curriculum, whether or not it should be required of all students, and whether the time spent could not be used to better advantage. President Vanderwilt and Dean Kuhn were instructed to present this to the Curriculum Committee and report back to the Board at the December meeting.

There followed a lengthy discussion on the teaching and integration of the humanities, basic science, engineering science, and professional or applied engineering within the framework of a four-year undergraduate course of study.

The members of the Board unanimously adopted the following resolution:

RESOLVED, that the semester hour requirements for graduation in the regular four-year undergraduate curricula shall be a minimum of 152 credit hours and a maximum of 160 credit hours as required for each option by the faculty and approved by the Board of Trustees, plus such additional credit hours for such summer courses as are scheduled and approved.

It is the consensus of the Board of Trustees that all students should be expected to devote a minimum of 60 hours each week to class attendance and preparation therefor and that the course content and the outside preparation required should be determined accordingly. There is no thought or intention on the part of the Board of Trustees that the fixing of the foregoing credit hour requirements, although in some cases slightly lower than those heretofore required, shall be regarded as an indication that less effort shall be expected of students or faculty to achieve and improve upon the high caliber of engineering teaching and learning heretofore available at the Colorado School of Mines. Indeed it is hoped and expected that every effort will be made by faculty and administration to improve student interest and motivation, strengthen course content, and harmonize and integrate a more intensive training in basic and engineering sciences with appropriate courses in the humanities and professional engineering.

Advisory Committee. Members of the Board asked that Dr. Vanderwilt mail copies of the list of names to be considered for an advisory committee to the Board on long-range scholastic objectives.

The Board adjourned at 5:15 p.m.

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Secretary

November 19, 1959

Golden, Colorado  
December 11, 1959

The Board of Trustees met in regular session on December 11, 1959, at 8:30 a.m., in the President's Office at the Colorado School of Mines, Golden, Colorado.

Present: Messrs. Fenwick, Johnston, and Parker.

Absent: Messrs. Coors and Stockmar.

Dr. Parker, President of the Board, presided.

Dr. Vanderwilt attended the meeting.

Bills against the SPECIAL APPROPRIATION, SCHOOL OF MINES TAX FUND and the MILL LEVY BUILDING FUND were examined and allowed as set forth on the following pages, Nos. 2 through 16, inclusive.

December 11, 1959

## SPECIAL APPROPRIATION

## FACULTY PAYROLL - Voucher #226

1132	Axtell, James C.	426.28
1133	Ayler, Maynard	393.64
1134	Babcock, Henry A.	476.38
1135	Badgley, Peter C.	461.52
1136	Bainbridge, Douglas	533.90
1137	Barb, Clark F.	645.90
1138	Bartunek, Paul F.	522.15
1139	Bauman, Victor W.	389.48
1140	Bisque, Ramon E.	407.58
1141	Bloom, Harold	369.46
1142	Brennecke, Fritz S.	599.39
1143	Bryner, Leonid	391.01
1144	Burdick, H. Dean	569.61
1145	Burger, William V.	556.24
1146	Campbell, Frank R.	481.09
1147	Carpenter, Frederick	497.96
1148	Carpenter, Robert H.	521.79
1149	Chapitis, William J.	422.49
1150	Coke, John M.	544.76
1151	Compton, W. D.	432.01
1152	Conroy, Bernetta	364.59
1153	Cook, George S.	461.54
1154	Crowder, Troy F.	672.13
1155	Darden, James	428.13
1156	Darnell, Byron	289.13
1157	Davies, Joseph E.	440.43
1158	Day, Robert B.	386.76
1159	Dunke, Walter H.	581.75
1160	Karhart, Harold H.	575.51
1161	Edwards, Kenneth W.	299.85
1162	Epis, Rudy C.	363.21
1163	Ferrell, Edward F.	383.27
1164	Fisher, Edward G.	401.42
1165	Flatcher, Hilbert E.	436.10
1166	Fox, Leland S.	358.11
1167	Fritts, Paul J.	375.92
1168	Frost, Hildreth, Jr.	432.05
1169	Frush, Charles O.	493.65
1170	Fry, Frances L.	326.30
1171	George, John M.	353.27
1172	Gibbons, Madeline	348.66
1173	Gosman, Albert L.	452.64
1174	Gross, Clara C.	395.36
1175	Grosvenor, Miles E.	440.71
1176	Gusy, Wilbur J.	356.59
1177	Gutman, Raymond R.	435.78
1178	Hall, James L.	390.08
1179	Hancock, John W.	374.47
1180	Hartkemeier, L. V.	506.45
1181	Hasbrouck, Wilfred P.	398.85
1182	Hann, John D.	459.51
1183	Hayes, John R.	525.39
1184	Hebel, Ivan L.	513.09
1185	Hepworth, Malcolm T.	437.97

## SPECIAL APPROPRIATION

## FACULTY PAYROLL - Voucher #236

1186	Hollister, John C.	674.94
1187	Houghton, Augustus S.	398.30
1188	Hughes, Richard V.	629.76
1189	Hutchinson, Robert M.	503.42
1190	Johnson, Don H.	396.22
1191	Johnson, George W.	459.20
1192	Johnstone, James G.	429.58
1193	Jones, John M.	357.15
1194	Jordan, A. Raymond	746.90
1195	Jurney, William H.	530.15
1196	Keating, Paul H.	499.09
1197	Kelly, T.A.	556.87
1198	Kelsey, Harry E.	442.10
1199	Kent, Harry C.	345.99
1200	Kline, John V.	498.44
1201	Klugman, Michael A.	423.18
1202	Koehler, Edward C.	181.86
1203	Kuhn, Truman H.	1,033.44
1204	Lafferty, Michael H.	311.04
1205	Laubach, Winton	349.62
1206	Letaire, George W.	527.28
1207	Lents, Oscar	385.94
1208	LeRoy, Leslie W.	831.12
1209	Long, V. Allan	602.19
1210	Lucas, George B.	417.13
1211	Marsh, Donald C. B.	374.87
1212	Marshall, Scott J.	445.52
1213	Matsar, Warren D.	387.98
1214	Mathews, Frank S.	503.23
1215	Marideth, George T.	623.33
1216	Merrin, James	471.85
1217	Milich, Dale	332.16
1218	Moore, Fred E.	362.61
1219	Morgan, Lyman W.	525.47
1220	Nordquist, Carl G.	421.14
1221	Ogden, Lawrence	401.49
1222	Osborn, Robert B.	455.47
1223	Parker, Ben H. Jr.	324.95
1224	Perkinson, Lute J.	711.81
1225	Paynter, Thomas E.	483.39
1226	Pearson, Robert S.	358.11
1227	Pegis, Anton G.	453.68
1228	Peters, William R.	475.00
1229	Pierce, Albert L.	353.65
1230	Pehrta, Theodore W.	424.64
1231	Poole, H. Gordon	748.11
1232	Preston, Ronald D.	507.40
1233	Prince, Lawrence J.	452.42
1234	Pugh, Bill R.	415.15
1235	Richtmann, William M.	499.83
1236	Rinehart, John S.	819.20
1237	Rodgers, Paul A.	468.13
1238	Rowland, David A.	331.88
1239	Sankovitz, James L.	402.43



SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #236

1240	Schieltz, H. Cyril	558.94
1241	Shull, Charles M., Jr.	425.12
1242	Sisson, George T.	326.99
1243	Smiley, Francis E., Jr.	471.85
1244	Starke, Charles W.	446.19
1245	Steinhauer, Gurnett	776.19
1246	Sutherland, Joycelyn	286.27
1247	Taylor, Robert J.	344.24
1248	Telos, Chris	406.86
1249	Trexler, David W.	411.56
1250	Vanderwilt, John W	1,106.83
1251	Waldron, Howard L.	360.17
1252	Weimar, Robert J.	438.81
1253	Wichmann, Arthur P.	545.62
1254	Wilcox, Virginia Lee	555.50
1255	Williams, Art	442.09
1256	Williams, John T.	472.96
1257	Williams, Terrence J.	329.79
1258	Wright, Curtis	382.29
1259	Wright, W. Lloyd, M.D.	481.64

TOTAL FACULTY PAYROLL

59,735.03

SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #237

1260	Aldridge, M. Floyd	195.81
1261	Bain, Miriam W.	189.84
1262	Barksdale, Becky A.	209.01
1263	Berthel, William Levi	253.22
1264	Baxter, Viola	193.65
1265	Bednar, Cecillie	210.31
1266	Berlin, Avis M.	151.94
1267	Billingham, Charles	252.11
1268	Blevins, Vera	189.70
1269	Blias, Mary Geneva	194.58
1270	Braun, Frank J.	249.98
1271	Brill, Edward	264.15
1272	Britton, Esther	201.00
1273	Brobeck, Harold V.	254.85
1274	Brintle, Estel	205.25
1275	Bufnsk, Frank	214.98
1276	Burtlow, Cedric Gene	283.34
1277	Bussert, Shirley	221.51
1278	Campbell, Russel E.	300.74
1279	Carder, Charlotte	179.45
1280	Carlson, Phyllis	229.81
1281	Carver, Walter B.	219.53
1282	Casady, Leonard D.	335.31
1283	Caster, Rosalie	208.61
1284	Chambers, Paul L.	289.30

## SPECIAL APPROPRIATION

## CIVIL SERVICE PAYROLL - Voucher #237

1285	Childers, Eugra M.	299.39
1286	Connor, Rex L.	256.95
1287	Crabtree, John Arria	268.94
1288	Denley, Clint E.	153.22
1289	Dickens, Earl	409.78
1290	Dilts, Glenn	271.35
1291	Dillon, Dorothy	207.21
1292	Dillon, Ross Harold	284.59
1293	Dinkmeyer, Elvera B.	283.89
1294	Dolan, Francis	324.70
1295	Dollar, Claude E.	227.28
1296	Donahoe, George W.	268.94
1297	Drake, Ollie L.	175.48
1298	Dugger, Helen	229.19
1299	Dygert, Harold	200.95
1300	Easley, Fred D.	339.88
1301	Eastin, Dick	213.28
1302	Eddleman, Janice C.	225.06
1303	Ervin, Madelyn E.	207.61
1304	Farmer, Clarence J.	219.53
1305	Fortune, William E.	304.53
1306	Gallagos, Alfred J.	285.40
1307	Gilchrist, Clarence	202.15
1308	Godfrey, J. H.	234.93
1309	Good, Doris	229.81
1310	Goodhead, James W.	190.31
1311	Gregory, Clyde G.	348.65
1312	Hass, Theodore E.	279.03
1313	Hader, Albart H.	198.61
1314	Hankel, Alma L.	181.40
1315	Hansen, Ola E.	200.30
1316	Natfield, John D.	292.97
1317	Hamberger, Clarence G.	377.43
1318	Hofmeister, Edward C.	234.75
1319	Howerter, William H.	212.32
1320	Hungness, Carl Hall	243.75
1321	Jenson, Hendrietta O.	220.51
1322	Johnston, Helen	256.34
1323	Karley, Walter C.	184.10
1324	King, William E.	221.34
1325	Koch, William O.	166.87
1326	Kruger, Richard F.	218.31
1327	Kubesh, Josephine	205.70
1328	Lamb, Melanee B.	198.61
1329	Lange, Edward	324.77
1330	Lee, William	313.71
1331	Liets, Rudolph	254.05
1332	Ljungvall, Donald	271.89
1333	Loving, Orville O.	355.43
1334	Mandiloff, Dean M.	282.25
1335	Mandiloff, Vasil G.	234.43
1336	Narvin, Thomas	216.38
1337	Matthews, Arthur W.	183.01
1338	Mattson, Walter	274.75

## SPECIAL APPROPRIATION

## CIVIL SERVICE PAYROLL - Voucher #237

1339	McNulty, Susan Lea	189.55
1340	McPhail, Vernon W.	202.45
1341	Malcher, Adolf A.	186.75
1342	Mester, Chris L.	307.60
1343	Miller, Robert A.	335.72
1344	Miller, Shirley	247.70
1345	Mineff, Peter	210.10
1346	Moore, Onace	235.67
1347	Mosher, Edgar	265.27
1348	Handren, Michael	208.01
1349	Nicholls, Clarence	385.33
1350	Nobles, William	194.65
1351	Obermeyer, Robert H.	212.75
1352	O'Leary, Thomas F.	306.60
1353	O'Neil, Milton F.	362.28
1354	Paddieford, Mary	238.49
1355	Parsons, Dorothy M.	132.01
1356	Parsons, Von E.	236.68
1357	Partridge, Jesse G.	167.27
1358	Patton, Sylvia D.	250.10
1359	Payne, Jesse E.	319.58
1360	Perez, Jose M.	252.50
1361	Peters, Roy V.	203.41
1362	Pickthall, John W.	385.90
1363	Ratcliff, John B.	325.45
1364	Rhoads, Ruth Ann	283.74
1365	Richards, Robert H.	304.54
1366	Robb, Donald	202.15
1367	Rushton, John E.	270.15
1368	Sackatt, Ruth W.	232.71
1369	Schader, Loretta B.	218.30
1370	Schieffelin, Eleanor	269.48
1371	Schmidt, Katharyn A.	200.25
1372	Steffen, Elizabeth F.	162.76
1373	Simpson, Albert E.	265.74
1374	Simpson, Bert D.	194.65
1375	Simpson, Frances	215.90
1376	Simpson, Minnie	61.42
1377	Sism, August	184.05
1378	Slodd, James Thomas	226.08
1379	Smith, Mildred	234.32
1380	Spencer, Robert A.	380.83
1381	Stark, Henry C.	342.20
1382	Steffonich, Harvyl I.	234.54
1383	Steib, Otto J.	198.86
1384	Sterling, Mary Ann	266.99
1385	Stolpa, Vincent R.	351.80
1386	Tear, Lacy	194.65
1387	Thomas, Laverne F.	225.58
1388	Thomas, Luella F.	236.23
1389	Tiedt, John	234.43
1390	Tomic, Frank J.	209.96
1391	Tracy, Frank A.	313.60
1392	Tripp, Warren	283.34

## SPECIAL APPROPRIATION

## CIVIL SERVICE PAYROLL - Voucher #237

1393	Underwood, Lavern P.	228.91
1394	Underwood, William V.	220.56
1395	Van Deaverbar, Letta	226.64
1396	Vaughn, Clarence	191.85
1397	Waters, Ernest E.	386.09
1398	Weldon, Deanna	219.21
1399	Wendell, David	256.88
1400	Zento, Norma A.	198.01
1401	Zyla, Patricia R.	110.38

TOTAL CIVIL SERVICE PAYROLL

34,462.79

## SPECIAL APPROPRIATION

## MISCELLANEOUS PAYROLL - Voucher #238

1402	Beckett, Robert	190.00
1403	Brown, Delmar L.	123.46
1404	Chapin, Charles E.	174.95
1405	Christensen, Einar A.	187.05
1406	Coleman, Rachel	203.36
1407	Davis, E. W.	140.00
1408	Fisher, Joseph	30.00
1409	Gilmore, Curtis	87.69
1410	Hart, Rick	168.86
1411	Hill, David	123.46
1412	Hoover, David L.	140.00
1413	Hoover, Donald B.	174.95
1414	Hoskins, Raymond A.	187.05
1415	Hym, Byung Koo	139.65
1416	Jacobson, Jimmy Joe	123.46
1417	Johnson, Kenneth	16.00
1418	Jones, Patricia	14.57
1419	Kang, George	67.26
1420	Messner, Joseph F.	229.77
1421	Miles, Charles H.	123.46
1422	Morris, Donald	42.50
1423	Pennyik, Tibor E.	123.46
1424	Ross, George	142.58
1425	Roybal, Floyd	197.65
1426	Rufus, Bernhard	119.53
1427	Selters, Judith E.	73.39
1428	Sims, Robert A.	123.46
1429	Srinivasan, G. R.	123.46
1430	Thomson, Ker C.	190.00
1431	Thornton, Dale E.	197.65
1432	Van Horn, Horace H.	92.40
1433	Weissar, Richard	139.65
1434	Werner, Don Lee	134.06
1435	Winterer, Timothy	123.46
1436	Wooden, James	210.00

SPECIAL APPROPRIATION

MISCELLANEOUS PAYROLL - Voucher #238

1437	Worsley, Reginald	123.46	
	TOTAL MISCELLANEOUS PAYROLL		4,801.69

SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #238

1438	Anderson, Albert W.	10.50
1439	Anjier, Joseph L.	59.00
1440	Balthazar, Neal	30.00
1441	Beattie, George J.	30.00
1442	Beck, Emory J.	15.00
1443	Berke, William	16.50
1444	Boyd, Bradley K.	55.00
1445	Caindec, Donald A.	25.00
1446	Case, Edwin Ward	1.00
1447	Cederstrom Robert	31.00
1448	Chasis, David	30.00
1449	Cheng, Luis	24.75
1450	Christiansen, Howard	24.00
1451	Clark, James W.	28.50
1452	Clay, Larry E.	30.00
1453	Clifton, Ronald W.	30.00
1454	Conway, Richard D.	20.00
1455	Coop, Kenneth L.	33.50
1456	Copello, Gustavo J.	11.00
1457	Crabtree, Edwin	30.00
1458	Crumb, Robert E.	21.00
1459	Dessler, Robert G.	27.00
1460	Downs, George R.	30.00
1461	Edwards, Thomas D.	33.75
1462	Engel, Bill	30.00
1463	Fatum, Harold	20.00
1464	Ferriter, Robert L.	15.00
1465	Gerdes, W. H.	27.00
1466	Green, Robert E.	8.00
1467	Griffes, Eugene	39.50
1468	Griffin, Albert S., Jr.	20.00
1469	Harmon, Jerald L.	11.00
1470	Heister, Bruce	30.00
1471	Henry, William A.	28.00
1472	Hileman, James Alan	8.50
1473	Hite, John	28.25
1474	Hoefner, Neal A.	29.50
1475	Hutchinson, Gary	60.00
1476	Ibsen, Kenneth	22.00
1477	Inouye, Junji J.	10.00
1478	Iranpur, Iraj	44.00
1479	Jenkins, John Patrick	30.00
1480	Jensen, Kenneth A.	28.00
1481	Johnson, Robert C.	28.00



## SPECIAL APPROPRIATION

## STUDENT HELP PAYROLL - Voucher #238

1482	Judy, M. M.	17.00
1483	Karlsson, Robert H.	21.00
1484	Kendell, John F.	15.00
1485	Kinbell, Charles L.	30.00
1486	Koch, Ewald	30.00
1487	Lagergren, Charles	12.00
1488	Linck, Keith R.	13.00
1489	MacFadyen, John D.	27.00
1490	Majestic, Martin	30.00
1491	Man, M. L.	16.00
1492	Mayadas, Ashok	30.50
1493	McGill, Mary	30.00
1494	Meyers, Donald	30.00
1495	Meyers, Richard	30.00
1496	Miley, Delmer V.	30.00
1497	Hiller, Curtis L.	30.00
1498	Montgomery, James	19.00
1499	Morgan, William R.	43.00
1500	Movarekhi, Parvis	30.00
1501	O'Connell, Kenneth M.	19.50
1502	O'Neil, Dennis B.	30.00
1503	Osborn, Donald H.	25.00
1504	Osborne, Roger	60.00
1505	Parman, Donald H.	11.25
1506	Patton, L. Douglas	13.50
1507	Paulsen, Lyle F.	30.00
1508	Pentilla, William G.	20.75
1509	Perkins, Thomas J.	30.00
1510	Po Saw, T. G.	11.50
1511	Powers, Judy	9.00
1512	Rapp, Edward G.	30.00
1513	Reichmuth, Donald R.	30.00
1514	Royce, Gordon L.	30.00
1515	Sapik, David B.	16.00
1516	Schultz, Donald A.	22.50
1517	Salters, John	31.50
1518	Sethi, K. B.	23.00
1519	Seymour, Lee	34.00
1520	Sheehan, Dennis	30.00
1521	Smith, Samuel Roger	37.50
1522	Strain, Charles	13.50
1523	Suarez, Francisco, A.P.	12.00
1524	Swank, Archer D.	30.00
1525	Turner, Arnold Scott	28.00
1526	Vangelisti, Ronald J.	30.00
1527	Wade, Eugene H.	30.00
1528	Walker, Bill	11.00
1529	Warner, Gary E.	30.00
1530	Waldon, Robert A.	6.00
1531	Wiggins, Ralph	5.75
1532	Williamson, Randall	8.50
1533	Wolf, Carl	30.00
1534	Wretling, Leroy	30.00
1535	Wright, Bob	30.00

SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #238

1536	Yu, Jimmy	26.75	
1537	Zanetall, Joseph	10.00	
1538	Zinbeck, Don	30.00	
	TOTAL STUDENT HELP PAYROLL		2,553.25
	TOTAL MISCELLANEOUS AND STUDENT HELP PAYROLLS		7,354.94

SPECIAL APPROPRIATION

DEDUCTIONS ON FACULTY PAYROLL - Voucher #236

Federal Withholding Tax	9,837.45
Colorado Withholding Tax	590.28
Retirement	4,560.00
Equitable Life Assurance Society	1,341.70
C.S.M. Credit Union	464.84
War Bonds	453.75
Mile High United Funds	79.26

SPECIAL APPROPRIATION

DEDUCTIONS ON CIVIL SERVICE PAYROLL - Voucher #237

Federal Withholding Tax	5,076.70
Colorado Withholding Tax	304.63
Retirement	2,698.47
Blue Cross & Blue Shield	954.35
Civil Service Insurance	64.37
Colorado Employeas' Credit Union	135.00
C.S.M. Credit Union	807.71
Mile High United Fund	15.99
War Bonds	85.00

SPECIAL APPROPRIATION

DEDUCTIONS ON MISCELLANEOUS & STUDENT HELP PAYROLL - Voucher #238

Federal Withholding Tax	425.64
Colorado Withholding Tax	25.56
C.S.M. Credit Union	20.12

SPECIAL APPROPRIATION

SUPPLEMENTARY PAYROLL - CIVIL SERVICE - Voucher #241

Eacon, Viola	<u>91.75</u>	
		129,585.33

SPECIAL APPROPRIATION

DEDUCTION VOUCHERS

239	State's Share of Retirement	7,116.86	
240	Equitable Life Assurance Society	1,333.26	
	TOTAL PAYROLLS & DEDUCTION VOUCHERS ON SPECIAL APPROPRIATION		138,035.45

SPECIAL APPROPRIATION

EXPERIMENTAL PLANT PAYROLL

242	Crebtree, Edwin H.	350.71	
	TOTAL EXPERIMENTAL PLANT PAYROLL		350.71

SPECIAL APPROPRIATION

EXPERIMENTAL PLANT PAYROLL DEDUCTIONS

242	Federal Withholding Tax	61.00	
"	Colorado Withholding Tax	3.66	
"	Retirement	26.51	
	TOTAL EXPERIMENTAL PLANT DEDUCTIONS		91.17
	TOTAL EXPERIMENTAL PLANT PAYROLL AND DEDUCTIONS		441.88

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

496	Acme Building Maintenance Co.	32.00
497	Addressograph-Multigraph Corp.	64.12
498	Ajax Magnathermic Corporation	32.90
499	American Anthropological Assoc.	12.00
500	American Council on Education	6.00
501	American Geographical Society	6.70
502	American Institute of Mining, Metallurgical & Petroleum Engineers	5.00

## SCHOOL OF MINES TAX FUND

## SUPPLY VOUCHERS

503	American Linen Supply Co.	143.58
504	American-Marsh Pumps, Inc.	111.69
505	American Mathematical Society	93.00
506	American School & University	7.00
507	American School Supply Co.	68.70
508	American Society for Engineering Education	15.00
509	American Society of Mechanical Engineers	12.90
510	American Society for Metals	16.34
511	American Society for Testing Materials	372.16
512	American Stencil Co.	108.00
513	Annals of Mathematics	18.00
514	Atlas Copco Pacific, Inc.	32.05
515	Audio-Visual Center	190.74
516	Maynard F. Aylor	15.40
517	Peter C. Badgley	47.90
518	Beckman Instruments, Inc.	1,450.00
519	"Stu" Baresford, Inc.	350.44
520	R. R. Bosker Co.	62.00
521	Lou Bowlds	40.00
522	Braun-Knaecht-Heimann-Co.	55.55
523	Fritz Bronnecke	31.22
524	Bristol Company	121.00
525	Henry Brutcher	8.59
526	J. D. Buckley, Inc.	19.88
527	H. Dean Burdick	232.65
528	Wm. V. Burger	45.00
529	John C. Burt Insurance Agency	1,297.03
530	Butler Paper Company	120.72
531	Cambridge University Press	7.70
532	Canadian Institute of Mining & Metallurgy	10.75
533	J. S. Canner & Company, Inc.	12.44
534	Carpenter Paper Company	30.30
535	C & C Tire & Supply Company	31.70
536	Centennial School Supply Co.	268.62
537	Central Electric Supply Co.	22.86
538	William J. Chapitis	15.54
539	Chemical Engineering Progress	33.21
540	Clover Radio & TV Service	5.90
541	Nel Coffman Associates, Inc.	232.49
542	Cole-Farmer Instrument & Equipment	49.50
543	Colorado Builders' Supply Co.	30.79
544	Colorado Central Power Co.	3,785.07
545	Colorado Metal Plating Works	25.00
546	Colorado News Company	89.58
547	Colorado Office Supply, Inc.	835.58
548	Colorado Research Corporation	33.60
549	Colorado Surplus Property Agency	1,189.70
550	Colorado Tool & Die Co.	19.37
551	Columbia University Press	18.07
552	Conrad Publishing Company	10.00



SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

553	Continental Air Lines, Inc.	68.30
554	Continental Bus System, Inc.	137.70
555	Continental Oil Company	242.22
556	Continental Tool Works	8.11
557	Ken Cook Supply Co.	124.30
558	Max Cook Sporting Goods Co.	127.86
559	Roy L. Daley	47.00
560	James Darden	38.22
561	Daffenbaugh Lumber Co.	136.58
562	Denver Air Machinery Co.	12.02
563	Denver Bookbinding Co.	56.00
564	Denver Electronic Supply Co.	66.66
565	Denver Gear & Parts Co.	37.65
566	Denver Oxygen Company	98.01
567	Earl Dickens	18.48
568	Dixon & Co.	80.00
569	DoAll Denver Co.	73.22
570	Documents Index	52.00
571	Duwall-Davison Lumber Co.	403.90
572	Harold H. Earhart	17.64
573	Edgewater Typewriter Co.	22.50
574	Elk Coal Co.	3,556.13
575	Federal Envelope Company	387.60
576	Fenner-Hamilton Co.	80.68
577	Fisher Scientific Co.	240.67
578	Foss Drug Company	202.16
579	H. L. Foss, Inc.	398.83
580	Frankal Carbon & Ribbon Co.	322.13
581	Steve Frederick Chevrolet Co.	24.61
582	C. O. Frush	21.00
583	Chicago, Burlington & Quincy Rail- road Co.	76.05
584	Gardner-Denver Company	6.28
585	Gates Factory Store, Inc.	65.29
586	Gazetteer Company	75.00
587	General Electric Co.--X-Ray Dept.	7.36
588	Golden Laundry-Hat	133.30
589	Graham Paper Co.	36.00
590	Grimell Co.	197.25
591	Hallack & Howard Lumber Co.	43.98
592	Hagan Chemicals & Controls, Inc.	43.00
593	Hassco, Inc.	39.74
594	C. A. Heim	186.00
595	A. E. Heinsohn	21.78
596	Hendrie & Bolthoff Co.	185.97
597	Hicks-Denver Company	39.62
598	Sam L. Huddleston	75.00
599	Idaho Springs Lumber Co.	73.89
600	Industrial Stationers, Inc.	254.64
601	Ingersoll-Rand Company	55.05
602	International Business Machines	1,268.99
603	International Harvester Co.	20.09
604	Interscience Publishers, Inc.	135.24
605	Inter-State Radio & Supply Co.	9.74

## SCHOOL OF MINES TAX FUND

## SUPPLY VOUCHERS

606	Jeffco Engineering Supply Co.	38.50
607	Jensen Paper Co.	266.27
608	George W. Johnson	5.46
609	Johnson Reprint Corporation	25.64
610	Johnson Tels-Visuals	89.07
611	Walter J. Johnson, Inc.	166.87
612	Kendrick-Bellamy Co.	142.15
613	Kauffel & Esser of Colorado, Inc.	5.44
614	Adolph Kiefer	8.45
615	Kistler's	327.90
616	Kohler McLister Paint Co.	96.75
617	Truman H. Kuhn	8.40
618	Michael H. Lafferty	16.94
619	Lakewood Lock & TV Service	8.10
620	Lane Publishing Company	5.45
621	Edward W. Lange	8.68
622	Lauren Burt, Inc., of Colorado	9.18
623	D. O. Leloy	15.00
624	Library of Science	5.26
625	Liquid Coffee Company	48.10
626	S. O. Lindahl Photo Sales, Inc.	13.34
627	Clarence E. Lovajoy	5.14
628	Marquis - Who's Who, Inc.	19.55
629	Mathematical Assoc. of America	6.25
630	George T. Merideth	161.50
631	Metal Fabricators, Inc.	561.97
632	Meyer Hardware & Sporting Goods	61.86
633	Mickey's Conoco Service	7.11
634	Mine Safety Appliances Co.	20.00
635	Mine & Smelter Supply Co.	1,231.81
636	Mines Supply Co.	7.49
637	Mississippi Geological Society	13.44
638	Modern Business Machines, Inc.	7.25
639	Monarch Metal Products, Inc.	203.50
640	Moore Business Forms, Inc.	317.70
641	Mountain & Plain Paint Co.	9.57
642	Mountain States Telephone & Telegraph	1,764.10
643	Murray Equipment Co.	74.78
644	Mutual Office Supply Co.	323.75
645	National Academy of Sciences	7.50
646	National Mine Service Co.	25.00
647	National Petroleum Bibliography	35.00
648	Glen V. Norton	15.00
649	W. W. Norton & Co., Inc.	11.08
650	O'Meara Meter Company	14.12
651	Organization for European Economic Co-Operation	10.00
652	Otis Elevator Co.	26.11
653	Outlook Publishers	8.23
654	Paramount Cleaners-Dyers	48.50
655	Ben Parker, Jr.	5.46
656	L. J. Parkinson	6.02
657	Frank Paxton Lumber Co.	312.80