

Previous Minutes. The minutes of the meeting held on August 10, 1962 were not completed.

New Degrees. President Vanderwilt distributed copies of the new curricula for engineering mathematics, engineering physics, and engineering chemistry which had been approved at the faculty meeting on September 11, 1962 for new degrees to be granted in 1964. He pointed out that only minor changes had been made in these curricula after the Board approval at the August meeting.

There followed a discussion on the new degree designations. It was stressed that the curricula and degree designations should adhere to the recommendations of the Advisory Board which were approved by the Board of Trustees, i.e. engineering in minerals and allied fields as opposed to the curricula for degrees regularly offered in chemistry, mathematics, and physics in Arts and Sciences and related colleges. The members of the Board asked that the administration make very clear the understanding that the degrees should be engineering degrees and that accreditation should be obtained, or every attempt should be made to obtain accreditation, under these engineering designations.

Weigman Property - 909 Fifteenth Street. President Vanderwilt reported that a purchase and sale agreement had been executed with the Central Bank and Trust Company for the Marie L. Weigman estate for the property at 909 Fifteenth Street for the sum of \$8,500 as authorized by the Board at the August meeting.

Faculty-Student Seminar. This item was deferred until Mr. Stockmar could be present.

Well Sample Library. This item was deferred until more information could be obtained.

U. S. Scholarship Program. President Vanderwilt reviewed the solicitations made for this program and asked the opinion of the members of the Board regarding further solicitation. All members agreed that further solicitation probably would not be objectionable to the recipients and the program should be promoted.

Transfer of Title - Cecil H. Green Geophysical Laboratory. President Vanderwilt reported that at the May 29 meeting of the Board of Directors of the Colorado School of Mines Foundation, it was voted to transfer the title of the Cecil H. Green Geophysical Laboratory to the Colorado School of Mines. The laboratory is on leased property and is for the use of the Department of Geophysics.

Upon motion made, seconded, and unanimously passed, the Board of Trustees of the Colorado School of Mines accepted the transfer of title to the Cecil H. Green Geophysical Laboratory

September 14, 1962

and equipment and confirmed its obligation and responsibility for the laboratory.

Emeriti Professors. Upon recommendation of Dean Kuhn and President Vanderwilt, it was moved, seconded, and unanimously passed that Professors Clark F. Barb, Lute J. Parkinson, and Arthur P. Wichmann be named Professors Emeriti in recognition of their long and valuable service to the School.

Monthly Reports. Mr. Steinhauer entered the meeting and distributed copies of the monthly reports as follows: Summary of Budget Appropriation & Disbursements, as of August 31, 1962; Balance Sheet, August 31, 1962; Mill Levy Building Fund, as of August 31, 1962; Experimental Plant, Summary of Budget Appropriation & Disbursements, as of August 31, 1962; Dining Hall, covering period July 1, 1962 through June 30, 1963, from July 29, 1962 through August 25, 1962; College Union Fund, Summary of Budget Appropriations and Disbursements, as of August 20, 1962; Mines Park, Statement of Income & Expense, as of August 20, 1962; Mines Park, Summary of Budget Receipts & Disbursements, as of August 20, 1962; Prospector Park, Statement of Income & Expense, as of August 20, 1962; Prospector Park, Summary of Budget Receipts & Disbursements, as of August 20, 1962; Statement of Income & Expense, Mines Bradford Hall & New Dormitory, as of August 20, 1962; Statement of Income & Expense, C.S.M. Houses - Group #1, as of August 20, 1962; Statement of Income & Expense, C.S.M. Houses - Group #2, as of August 20, 1962; Statement of Income & Expense, Mines Park Houses, 29-36 inclusive, as of August 20, 1962; Summary of Budget Receipts & Disbursements, as of August 20, 1962; Statement of Income & Expense, C.S.M. Houses Group #1 & Mines Park Houses, 29-36 inclusive, as of August 20, 1962; Statement of Income & Expense, 1961-62 Health & Accident Plan, Associated Students of the Colorado School of Mines, Inc., August 31, 1962; Budget Period, 1961-62 Health & Accident Plan, Associated Students of the Colorado School of Mines, Inc., as of August 31, 1962; and the Athletic Association, Summary of Budget Appropriations and Disbursements, as of August 20, 1962. The annual Financial Statement of Operation, July 1, 1961 to June 30, 1962 was also distributed.

1963-64 Preliminary Budget. Mr. Steinhauer distributed copies of a preliminary budget estimate for 1963-64 in the amount of \$2,895,561 which had been prepared for presentation to the State Controller in October. The budget included salary increases of 12 per cent for the teaching faculty and 10 per cent for non-teaching staff. President Vanderwilt showed the Board graphs which had been made of salaries in each rank at a selected group of schools as compared to salaries at the Colorado School of Mines.

Future enrollment was discussed in relation to total faculty. There was a discussion of faculty costs per student, including costs other than salaries. Concern was expressed that costs were continuing to increase although enrollment was down.

Upon the recommendation of the administration, the members of the Board unanimously approved the budget as a tentative budget for 1963-64.

Bid Opening - Married Student Housing, College Union. Mr. Steinhauer reported that the bids for construction of the new married student housing project and the college union would be opened at 2:00 p.m., October 2, at the office of the State Purchasing Agent, Room 20, State Capitol Building. Because of the tightness of the time schedule, Mr. Steinhauer asked that President Vanderwilt be authorized to accept the bids providing they are within the budget.

It was moved by Mr. Fenwick, seconded by Mr. Coors, and unanimously passed that President Vanderwilt be authorized to accept on behalf of the Colorado School of Mines, the successful bids for the construction of the new married student housing project and the college union, providing the bids do not exceed the budgeted funds and are in conformance with the approved plans for financing.

Mr. Steinhauer stated that the completion date for the married student housing was September 1, 1963 and the college union, February, 1964. He stated that the bids specified that the contractor would start moving equipment onto location not less than five days after notice of award.

Conversion to Natural Gas. Mr. Steinhauer reported that he had been contacted by the State Planning Division who asked that we have a study made on the merits of converting our coal heating system to natural gas. He said the State had offered funds from the Capital Construction Fund to pay for the study. Mr. Steinhauer stated that a similar study had been made in 1957 and, at that time, it had been decided not to make the conversion.

The need for such a study at this time was questioned and the matter was tabled.

Long-Range Plans. President Vanderwilt reported that as earlier reviewed, the Association of State Institutions of Higher Education in Colorado was working on a long-range plan for voluntary coordination and joint planning in Colorado higher education and, of course, the capital outlay needs were involved. Also, the State Planning Division has requested a five-year projection of needed capital outlay, this to be in one-year stages.

A proposed campus plan was shown to the Board with Mr. Steinhauer's and President Vanderwilt's recommendations on a five-year projection for campus development and new buildings. The Director of the State Planning Division had indicated that the proposed five-year projection was to be subject to review and revision each year. The plan was approved by the Board and Mr. Steinhauer was authorized to submit the five-year projection to the State Planning Division.

President Vanderwilt distributed copies of a statement from the Presidents Association report which pertained to the Colorado School of Mines, covering aims and goals of the School. He asked if the members of the Board could read the statement and give him their thinking for inclusion in the final draft which would be presented later to the Board for further review.

Public Service Right-of-Way. President Vanderwilt presented an amended right-of-way request from Public Service Company for relocation of the power line crossing the west campus. Mr. Greenwald, Director of Plant Facilities at the School, had checked the descriptions and recommended the right-of-way be granted.

On motion made, seconded, and unanimously passed the request was approved and the Board authorized President Vanderwilt or Mr. Steinhauer to sign the necessary documents.

Metallurgy Departmental Staff. President Vanderwilt announced the resignation of Professor H. Gordon Poole, Head of the Department of Metallurgy. Dean Kuhn recommended and President Vanderwilt concurred in the recommendation that Professor Poole's resignation be accepted and that his release from his School contract for the 1962-63 school year become effective October 1, 1962; and further that Dr. N. Cyril Schieltz be appointed Acting Department Head, and that an effort be made to obtain a permanent qualified department head.

The Board approved this arrangement.

Architect's Fee for Interior Decorating, College Union. Mr. Sudler's request for the contract to handle the interior decorating of the college union for a fee of \$6,000 was again discussed. The matter was tabled.

The meeting adjourned at 1:00 p.m.

Secretary

Golden, Colorado
October 10, 1962

The Board of Trustees met in special session on October 10, 1962, at 8:30 a.m., in the President's Office of the Colorado School of Mines.

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

Dr. Parker, President of the Board, presided.

President 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 14, inclusive.

October 10, 1962

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #28

695	Allen, Jimmie L.	436.86
696	Aylor, Maynard F.	432.16
697	Babeck, Henry A.	523.25
698	Badgley, Peter C.	574.23
699	Baer, Charles R.	514.32
700	Bariani, Geraldine D.	386.17
701	Barton, Richard J.	493.96
702	Bartunek, Paul F.	589.52
703	Bator, George T.	602.04
704	Bauman, Victor W.	411.81
705	Bass, Daniel M., Jr.	824.69
706	Bisque, Ramon E.	459.46
707	Bloom, Harold	461.10
708	Bremacke, Frits S.	706.47
709	Bryner, Leonid	454.52
710	Burdick, H. Dean	646.69
711	Burger, William V.	631.04
712	Campbell, Frank R.	542.02
713	Carpenter, Frederick	585.01
714	Carpenter, Robert H.	598.20
715	Chapitis, William J.	472.43
716	Charost, Jacques	594.21
717	Coke, John M.	644.31
718	Compton, W. D.	514.21
719	Conrey, Bernetta	385.97
720	Cook, George S.	392.95
721	Coolbaugh, David F.	567.48
722	Darden, James	398.81
723	Darnell, Byron	310.66
724	Davies, Joseph E.	531.01
725	Dickerhoof, Dean W.	349.53
726	Dunke, Walter H.	693.15
727	Eng, Henry K.	445.44
728	Epie, Rudy G.	466.73
729	Ferrell, Edward F.	427.03
730	Finney, Joseph J.	451.34
731	Fisher, Edward G.	512.03
732	Fletcher, David E.	445.06
733	Fletcher, Hilbert E.	478.30
734	Fox, Leland S.	399.93
735	Fritts, Paul J.	431.47
736	Frost, Hildreth, Jr.	511.72
737	Frush, Charles O.	532.10
738	Gary, James H.	811.13
739	George, John M.	411.71
740	Gore, Jack E.	420.00
741	Greenwald, Robert L.	625.46
742	Grosvenor, Niles E.	506.79
743	Guay, Wilbur J.	413.86
744	Gutzman, Raymond R.	510.37
745	Hadsell, Frank A.	520.92
746	Hall, James L.	437.57
747	Hancock, John W.	442.99
748	Hartmeier, L. W.	560.45
749	Haun, John D.	281.74

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher 928

750	Hayes, John A.	650.38
751	Hebel, Ivan L.	593.43
752	Hiltrop, Carl L.	450.44
753	Hollister, John C.	835.73
754	Houghton, Augustus S.	474.92
755	Hughes, Richard V.	724.04
756	Hutchinson, Robert M.	606.11
757	Jensen, R. C.	383.80
758	Johnson, George W.	555.19
759	Johnstone, James G.	526.20
760	Jordan, A. Raymond	823.80
761	Jurney, William H.	585.78
762	Kalal, Leonard A.	436.72
763	Kelly, T. A.	671.47
764	Kelsey, Harry E.	463.70
765	Kent, Harry C.	430.61
766	Kline, John V.	563.02
767	Klugman, Michael A.	514.05
768	Koehler, Edward C.	192.45
769	Kohlman, Charles A.	389.64
770	Kuhn, Truman H.	1,089.60
771	Laubach, Winton	317.02
772	LeMaire, George W.	625.54
773	Lantz, Oscar H.	437.41
774	Lefroy, L. W.	906.38
775	Long, V. Allen	682.79
776	Lubahn, J. D.	778.31
777	Luess, George B.	546.71
778	Macleay, Robert Q.	501.56
779	Manfred, Ernest J.	337.85
780	Marsh, Donald C. B.	455.78
781	Marshall, Scott J.	443.31
782	Mateer, W. D.	402.51
783	Mathews, Frank S.	593.26
784	Merideth, George T.	767.48
785	Merrin, James	523.31
786	Moore, Fred E.	442.32
787	Morgan, Lyman W.	600.73
788	Nordquist, Carl G.	510.84
789	Ogden, Lawrence	450.19
790	Osborn, Robert B.	515.05
791	Pegis, Anton G.	542.14
792	Penley, James C.	463.51
793	Pierce, A. L.	372.12
794	Pinnick, Harry T.	534.06
795	Pohrte, Theodore W.	417.60
796	Poolo, H. Gordon	835.18
797	Preston, Ronald D.	564.20
798	Reed, John J.	763.60
799	Reynolds, G. Fredric	446.78
800	Richtmann, W. M.	557.01
801	Rinshart, John S.	943.56
802	Robinson, James G.	666.45
803	Rodgers, Paul A.	578.35
804	Sankovitz, James L.	493.77

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #28

805	Schieltz, N. Cyril	670.44
806	Shull, Charles M., Jr.	521.00
807	Sisson, George T.	365.21
808	Smiley, Francis E., Jr.	537.32
809	Spear, Sherman W.	591.63
810	Starks, Charles W.	396.73
811	Steinhauer, Garnett	906.94
812	Stewart, Frances L.	332.16
813	Sutherland, Joycelyn	330.27
814	Taylor, Robert J.	374.58
815	Thomas, John C.	368.52
816	Trexler, David W.	468.69
817	Vandervilt, John W	1,169.75
818	Van Felt, Chancy D.	480.26
819	Weiner, Robert J.	569.61
820	Wilcox, Virginia Lee	642.45
821	Williams, Art	494.75
822	Williams, John T.	583.65
823	Wright, Curtis E.	444.70
824	Wright, W. Lloyd	342.47
TOTAL FACULTY PAYROLL		69,341.47

SPECIAL APPROPRIATION

SUMMER SCHOOL PAYROLL FOR FACULTY - Voucher #28

953	Babcock, Henry A.	196.05
954	Barton, Richard J.	176.35
955	Chapitis, W. J.	99.52
956	Cook, George S.	185.35
957	Dunke, Walter H.	255.80
958	Epis, Rudy C.	163.63
959	Fisher, Edward G.	257.09
960	Fox, Leland S.	138.81
961	Fritts, Paul J.	152.48
962	George, John M.	152.81
963	Grogan, Michael I.	26.65
964	Gutzman, Raymond R.	180.26
965	Hartkemeier, L. W.	201.67
966	Hayes, John R.	228.27
967	Habel, Ivan L.	241.69
968	Johnson, George W.	99.52
969	Johnstone, James G.	182.63
970	Jurney, William H.	206.20
971	Kelly, T. A.	191.53
972	Kline, John V.	199.86
973	Leubach, Winton	147.19
974	Maclesy, Robert Q.	191.58
975	Marshall, Scott J.	170.91
976	Nordquist, Carl G.	176.84
977	Osborn, Robert R.	190.22
978	Pegis, Anton G.	99.52

SPECIAL APPROPRIATION

SUMMER SCHOOL PAYROLL FOR FACULTY - Voucher #28

979	Fohrte, Theodore W.	108.63
980	Preston, Ronald D.	142.34
981	Reed, John J.	218.31
982	Richtmann, W. H.	247.87
983	Schieltz, N. Cyril	248.50
984	Smiley, Francis E., Jr.	148.41
985	Starks, Charles W.	161.41
986	Williams, John T.	200.94
987	Zinbeck, Donald A.	51.67
TOTAL SUMMER SCHOOL PAYROLL FOR FACULTY		6,100.51
GRAND TOTAL - REGULAR & SUMMER SCHOOL PAYROLL FOR FACULTY		75,441.98

SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #29

825	Apodaca, Richard M.	190.63
826	Averill, Margaret B.	127.94
827	Bain, Miriam W.	298.25
828	Barge, Keith A.	238.54
829	Barthel, William L.	314.90
830	Berlin, Avis M.	189.42
831	Billingham, Charles	293.20
832	Blackwell, Doris E.	234.45
833	Bliss, Mary Geneva	225.80
834	Both, Jacqueline L.	221.06
835	Braun, Frank J.	283.13
836	Britton, Esther B.	232.15
837	Brobeck, Harold V.	300.02
838	Brown, Em Arnold	232.09
839	Bruns, Audrey M.	236.49
840	Bufoak, Frank	244.42
841	Burtlow, Cedric G.	350.61
842	Bussert, Shirley	244.04
843	Carper, Leorabel	211.83
844	Carver, Walter B.	258.99
845	Casady, Leonard D.	405.77
846	Chambers, Paul	291.96
847	Childers, Eagra M.	345.72
848	Connor, Rex L.	294.88
849	Crane, Lidia A.	326.87
850	Danley, Clint	327.39
851	Dickens, Earl	361.93
852	Dillon, Ross Harold	381.25
853	Dinmeyer, Elvera E.	302.83
854	Dolan, Francis	373.35
855	Drake, Ollie L.	154.49
856	Dygert, Harold	236.48
857	Easley, Fred D.	393.05
858	Eastin, Dick	248.70

SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #29

859	Farmer, Clarence J.	235.65
860	Fortune, William E.	349.08
861	Galleaga, Alfred J.	363.96
862	Geary, Edwin J.	303.78
863	Gillechrist, Clarence	233.70
864	Godfrey, J. H.	256.25
865	Graham, Doris L.	224.97
866	Gregory, Clyde G.	397.43
867	Grewal, Martha H.	284.58
868	Hansen, Ola E.	228.26
869	Hatfield, John	316.67
870	Helps, Diane L.	208.15
871	Hendrickson, Vernon A.	265.78
872	Hoffman, Helen H.	208.15
873	Hoskins, Raymond	199.69
874	Howarter, William H.	255.80
875	Jenson, Henrietta O.	269.67
876	Johnston, Helen	300.51
877	Krottil, Tetley L.	287.91
878	Kruger, Richard F.	256.25
879	Kubesh, Josephine	222.15
880	Lamb, Melanee B.	238.99
881	Lange, Edward	387.96
882	Lee, William	335.67
883	Leitz, Rudolph	298.57
884	Light, Sheila M.	211.26
885	Ljungvall, Donald	328.18
886	Lochel, Doe Ann R.	266.99
887	Loving, Orville	402.91
888	Mendiloff, Dean M.	337.05
889	Mendiloff, Vasil G.	256.25
890	Nervin, Thomas	234.12
891	Matthews, Arthur W.	213.15
892	Mattson, Carl Walter	328.18
893	Meerdink, Elly	255.64
894	Mester, Chris	374.30
895	Michaelis, Harold C.	326.04
896	Mineff, Peter	270.77
897	Moore, Onace	276.26
898	Nandrea, Michael, Jr.	241.25
899	Nichols, Clarence	439.03
900	Nobles, William	210.59
901	Nordyke, Ina G.	223.00
902	Obermeyer, Robert H.	258.08
903	O'Lear, Thomas	342.42
904	O'Neil, Milton	423.23
905	Paddelford, Mary M.	228.55
906	Parsons, Von E.	269.01
907	Partridge, Jesse C.	203.57
908	Payne, Jesse E.	289.38
909	Perez, John R.	299.50
910	Peters, Roy V.	235.65
911	Phillips, Helen K.	234.74
912	Pickthall, John W.	388.64
913	Porter, Dorothy M.	201.26

SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #29

914	Powell, Charles L.	374.45
915	Ratcliff, John B.	383.18
916	Reese, Sherilyn F.	201.91
917	Rhema, Ruth Ann	321.99
918	Rice, Ilah M.	182.70
919	Rice, Shirley A.	210.01
920	Richards, Robert H.	357.97
921	Robb, Donald	268.65
922	Rogers, Charlotte C.	213.36
923	Routh, Carl D.	346.38
924	Rushton, John E.	247.02
925	Sackett, Ruth H.	259.21
926	Schader, Loretta B.	282.42
927	Schieffelin, Eleanor	270.32
928	Siefken, Elizabeth F.	133.17
929	Simpson, Albert E.	318.89
930	Simpson, Bert D.	228.26
931	Simpson, Frances	270.31
932	Simpson, Minnie	158.34
933	Smith, Mildred	318.22
934	Spencer, Robert A.	371.40
935	Stark, Henry	311.81
936	Steffonich, Marvyl I.	294.64
937	Sterling, Mary Ann	317.89
938	Stolpa, Vincent R.	423.25
939	Teer, Lacy E.	188.17
940	Thomas, Laverne F.	256.25
941	Thomas, Luella F.	256.75
942	Tiedt, John	216.25
943	Tomic, Frank J.	244.42
944	Tracy, Frank	384.56
945	Tripp, Warren	350.61
946	Underwood, Lavern P.	268.01
947	Underwood, William V.	269.65
948	Valentine, Florence D.	223.44
949	VanDewarker, Letta M.	267.11
950	Vaughn, Clarence	219.02
951	Waters, Ernest E.	464.23
952	Wendell, David L.	307.55
TOTAL CIVIL SERVICE PAYROLL		35,852.98

SPECIAL APPROPRIATION

GRADUATE FELLOWSHIP PAYROLL - Voucher #30

988	Advincula, Guido, Jr.	90.97
989	Bouche, Ramon	147.33
990	Chandra, Suresh	90.97
991	Crews, George	100.00
992	Cummins, William F., Jr.	147.33
993	Desbazeille, Gerard	90.97
994	Diebold, Frank E.	90.97

SPECIAL APPROPRIATION

GRADUATE FELLOWSHIP PAYROLL - Voucher #30

995	Generoso, Eustaquio	90.97	
996	Goeling, Arthur W.	158.91	
997	Han, Charles Ju Wu	90.97	
998	Hobbs, James W.	147.24	
999	Jones, Peter B.	90.97	
1000	Void		
1001	Judy, Millard M.	228.60	
1002	Koch, Robert W.	90.97	
1003	Leitinger, Hans	90.97	
1004	Lobato, Fabiano Sayeo	147.33	
1005	Michals, Donald	147.33	
1006	Pan, Fih Hai	147.33	
1007	Reynolds, Robert R.	90.97	
1008	Roberts, Robert S.	147.33	
1009	Tan, Mario Y.	147.33	
1010	Walton, David S.	147.33	
1011	Wang, Yung Liang	158.91	
1012	White, Christopher G.	147.33	
1013	Wu, Ching Huang	90.97	
	TOTAL GRADUATE FELLOWSHIP PAYROLL		3,120.30

SPECIAL APPROPRIATION

MISCELLANEOUS PAYROLL - Voucher #30

1014	Amado, Henry	232.88	
1015	Austin, Anthony G.	78.77	
1016	Beaty, Ernest B.	209.51	
1017	Brennecke, Anne	42.50	
1018	Brennecke, Louise	4.38	
1019	Cunningham, John F.	42.50	
1020	Gould, James A.	13.11	
1021	Hansen, Leonard C.	223.00	
1022	Hofer, Arthur	249.00	
1023	Iurie, Marcia L.	174.86	
1024	Jackson, Jesse, Jr.	209.51	
1025	Moreno, Robert	243.60	
1026	Peters, John W.	95.18	
1027	Pomeroy, Charles B.	264.36	
1028	Ross, George	142.87	
1029	Roybal, Floyd	221.31	
1030	Zanto, Ernest A.	197.64	
	TOTAL MISCELLANEOUS PAYROLL		2,644.98

SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #30

1031	Berndt, Charles F.	3.75	
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SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #30

1032	Brennecke, Paul	4.00
1033	Brown, James	45.25
1034	Buturis, Frank J.	22.50
1035	Clark, Richard L.	13.00
1036	Cruzan, Robert H.	6.00
1037	Edwards, Jonathan, Jr.	52.00
1038	Farris, Douglas F.	30.00
1039	Grogan, Mike I.	96.00
1040	Halbig, Arthur F.	31.00
1041	Hahn, Donald C.	6.00
1042	Lashy, John R.	13.50
1043	Mathias, J. Paul	13.50
1044	McDonnell, William	31.00
1045	Meller, Ron	18.00
1046	Peterson, Dale W.	27.50
1047	Philippus, John	34.00
1048	Platt, John F.	46.00
1049	Porter, Gary D.	11.50
1050	Riecken, Robert J.	30.00
1051	Robbs, Peter M.	47.50
1052	Salwerowicz, Frank	42.00
1053	Santora, John	17.00
1054	Smookler, Stanley	64.50
1055	Snell, Gary D.	18.00
1056	Sprague, Jon G.	33.00
1057	Stradley, James A.	2.00
1058	Tan, Mario Y.	26.00
1059	Tojara, Frank D.	23.75
1060	Towner, Robert K.	27.50
1061	Townsend, Ralph E.	12.50
TOTAL STUDENT HELP PAYROLL		848.25
TOTAL GRADUATE FELLOWSHIP, MISCELLANEOUS AND STUDENT HELP PAYROLLS		6,613.53

SPECIAL APPROPRIATION

DEDUCTIONS ON FACULTY PAYROLL - Voucher #28

Federal Withholding Tax	13,931.72
Colorado Withholding Tax	2,034.76
Retirement	5,508.38
Equitable Life Assurance Society	1,638.56
C.S.M. Federal Credit Union	1,446.44
Mile High United Funds	85.50
Bonds	445.00
State's Share to Retirement	5,313.30
School's Share of Faculty Insurance	1,587.02

SPECIAL APPROPRIATION

DEDUCTIONS ON CIVIL SERVICE PAYROLL - Voucher #29

Federal Withholding Tax	6,739.20
Colorado Withholding Tax	836.32
Retirement	3,000.64
Blue Cross--Blue Shield	1,195.55
Colorado Employees' Association	104.36
C.S.M. Federal Credit Union	1,762.30
Colorado Employees' Credit Union	55.00
Mile High United Fund	10.60
Bonds	66.25
State's Share to Retirement	2,972.18

SPECIAL APPROPRIATION

DEDUCTIONS ON GRADUATE FELLOWSHIP & MISCELLANEOUS PAYROLLS
Voucher #30

Federal Withholding Tax	571.50
Colorado Withholding Tax	54.64
Blue Cross & Blue Shield	20.60
GRAND TOTAL -- PAYROLLS & DEDUCTIONS	167,368.31

SPECIAL APPROPRIATION

EXPERIMENTAL PLANT PAYROLL - Voucher #31

Crabtree, Edwin H., Jr.	330.08
TOTAL EXPERIMENTAL PLANT PAYROLL	330.08

SPECIAL APPROPRIATION

DEDUCTIONS ON EXPERIMENTAL PLANT PAYROLL - Voucher #31

Federal Withholding Tax	81.00
Colorado Withholding Tax	11.92
Retirement	27.00
State's Share to Retirement	27.00
TOTAL DEDUCTIONS ON EXPERIMENTAL PLANT PAYROLL	146.92
GRAND TOTAL--EXPERIMENTAL PLANT PAYROLL & DEDUCTIONS	477.00

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS - 3-7424-41

351	Ace-Knuffen Rubber Stamp & Seal Co.	5.80
352	Aero Radiator Service	12.00
353	Allied Electronics Corporation	25.02
354	American Linen Supply Co.	7.50
355	American Society for Engineering Education	10.00
356	Autrey Brothers, Inc.	4.00
357	Peter G. Badgley	157.72
358	Fritz S. Brennecke	26.46
359	Budd Division	211.67
360	William V. Burger	25.06
361	Frank R. Campbell	128.25
362	C.S. Card Iron Works Co.	346.80
363	Central Magazine Company, Inc.	6.95
364	Central Scientific Co.	423.68
365	Chemical Publishing Co., Inc.	18.30
366	Clipper Manufacturing Co.	3.00
367	Robert T. Clough, A.R.I.E.A.	13.00
368	Clover Hardware & TV	15.00
369	College Sports Information Directors of America	5.00
370	Colorado Industrial Supply Co.	49.34
371	C.S.M. Revolving Fund	414.14
372	Colorado State Planning Division	3.00
373	Colorado Steel Sash Co.	16.64
374	Colson Corporation	53.56
375	Columbia Ribbon & Carbon Mfg. Co. Inc.	4.63
376	Consolidated Parts, Inc.	9.49
377	Consolidated Vacuum Corporation	25.90
378	Continental Oil Co.	40.68
379	Ben Cook Supply Co.	22.95
380	Cromars ¹	114.39
381	C. A. Crosts, Inc.	25.54
382	Rae Crowther, Inc.	27.00
383	The Daily Journal	11.66
384	Denver Air Machinery Co.	120.60
385	Denver Boulder Bus Company	91.00
386	Denver Distributors	15.40
387	Denver Electronic Supply Corp.	22.58
388	Denver Oxygen Company	3.60
389	Denver Reproductions, Inc.	5.80
390	D & G Construction Co., Inc.	23.75
391	Earl Dickens	67.78
392	Dictaphone Corporation	16.10
393	Donner & Company	30.69
394	I. G. Downs Co., Inc.	73.14
395	Duro-Test Corporation	101.17
396	Duvall-Davison Lumber Co.	128.87
397	Fred Hasley	4.69
398	Eastman Kodak Stores, Inc.	26.12
399	Electro Scientific Industries, Inc.	90.95
400	Engelhard Industries, Inc.	9.19
401	Rudy C. Epis	57.44
402	E. G. Fisher	19.32
403	Fisher Governor Company	59.64

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS - 3-7424-41

404	Norma L. Flynn	20.00
405	Foss Company	101.73
406	M. L. Foss, Inc.	167.44
407	Foto Munoz	39.00
408	Frankel Carbon & Ribbon Co.	221.88
409	W. H. Freeman and Company	5.00
410	Ernest F. Fullam, Inc.	14.62
411	Edwin J. Geary	5.95
412	General Binding Corp. & Subsidiaries	112.20
413	General Precision, Inc.	124.31
414	Genuine Parts Company	12.80
415	Geoffroy-Lane, Inc.	16.05
416	City of Golden	295.83
417	Golden Alignment Service	19.13
418	Robert L. Greenwald	12.11
419	Gougar & Todd Sporting Goods Co.	55.20
420	Hall-Sears, Inc.	12.94
421	John R. Hayes	41.78
422	Hendrie & Bolthoff Co.	52.67
423	A. B. Hirschfeld Press, Inc.	190.00
424	Robert M. Hutchinson	30.00
425	International Business Machines Corporation	1,160.95
426	Inter-State Radio & Supply Co.	25.16
427	Instrument Society of America	5.00
428	Jackson Street Tire Shop	65.50
429	Jaques Cattell Press, Inc.	23.00
430	Jefferson Transit Mtn Co.	26.90
431	Jensen Paper Co.	121.20
432	Keuffel & Esser Co.	88.50
433	Kistler's	134.60
434	Kohler McLister Paint Co.	56.04
435	Lundes, Zachary & Peterson Co.	50.08
436	Edward W. Lange	9.59
437	Latimer Fuel Co.	111.10
438	George W. LeMaire	293.30
439	L. W. LeRoy	94.66
440	McGill University	10.00
441	McMurtry Manufacturing Co.	52.60
442	Machinery Supply Co.	11.61
443	Walter Mattson	8.40
444	H. R. Meininger Co.	35.26
445	Mine & Smelter Supply Co.	1,920.84
446	Mississippi Geological Society	20.50
447	Lyman W. Morgan	415.10
448	Mountain States Telephone & Telegraph Co.	1,799.47
449	Northern Miner Press Limited	4.00
450	Milton F. O'Neil	3.64
451	Paramount Cleaners & Shirt Laundry	54.50
452	Parkway Magazine Agency	7.84
453	Frank Paxton Lumber Co.	617.91
454	John W. Pickthall	9.87
455	Pitney-Bowes, Inc.	39.00
456	Platens Supply Company	4.42

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS - 1-7424-41

457	Harry H. Post Company	145.75
458	Public Service Co. of Colorado	2,602.32
459	Rhea Lithographing & Envelope Co.	136.26
460	Richey's Refrigeration Service	19.15
461	J. F. Riggs Publishing Co.	82.94
462	Carl D. Routh	2.52
463	Ryall Electric Supply Co.	71.22
464	Ryder Truck Rental, Inc.	487.01
465	Sanitary Specialties	182.75
466	James L. Sankovitz	49.28
467	Silver King of Colorado	3.18
468	Simplex Time Recorder Co.	18.30
469	Sinclair Refining Company	187.05
470	Sondie & Bronelle	10.85
471	Sherman W. Spear	7.28
472	State of Colorado--Motor Vehicle Division	4.00
473	Standard Oil	121.86
474	Gurnett Steinhauer	18.20
475	Strawn's	226.88
476	Technical Equipment Corporation	720.60
477	Texaco, Inc.	27.08
478	Thermo-Fax Sales of Colorado, Inc.	388.40
479	Transport Clearings of Colorado, Inc.	51.26
480	Tulsa Book & Record Shop, Inc.	15.25
481	U. S. Welding Works Co., Inc.	90.42
482	United Tool & Material Co.	67.82
483	Universal Tractor Company	264.00
484	Van Waters & Rogers, Inc.	685.07
485	VariTyper Corporation	68.00
486	Wards Natural Science Establishment, Inc.	3.65
487	Welch Scientific Company	392.57
488	John Wiley & Sons, Inc.	19.54
489	C. G. Wilhelm	500.00
490	Wilson Sporting Goods Company	219.22
491	Zep Manufacturing Co.	36.36
TOTAL SUPPLY VOUCHERS - 1-7424-41		19,989.18

SPECIAL APPROPRIATION

SUPPLY VOUCHERS - 1-7413-31

32	Alta Engineering Company	951.10
33	Burroughs Corporation	210.00
34	H. L. Foss, Inc.	358.99
35	General Radio Company	565.00
36	Meyer Hardware & Sporting Goods	168.50
TOTAL SUPPLY VOUCHERS - 1-7413-31		2,253.59

SPECIAL APPROPRIATION

SUPPLY VOUCHERS - 1-7413-52

37 C.S.M. Research Foundation, Inc. 921.21

TOTAL SUPPLY VOUCHERS - 1-7413-52 921.21

MILL LEVY BUILDING FUND - 9-9700

12 F. J. Kirchhof Construction Co. 33,369.00

13 McCarty-Johnson, Inc. 2,700.00

TOTAL MILL LEVY BUILDING FUND 36,069.00

Previous Minutes. The minutes of the meeting held on September 14, 1962 were approved.

Well Sample Library. Dr. Parker reported that the persons to whom he had talked had felt that the well sample library should not be abandoned, but he wished to discuss the matter with others before he would be ready to make a recommendation.

Graduate Faculty. President Vandervilt reported on a recommendation from Dean Jordan that the following faculty be appointed to the Graduate Faculty for the 1962-63 school year:

Dr. Richard J. Barton
Assistant Professor of Metallurgy

Professor Daniel M. Bass, Jr.
Professor of Petroleum Engineering and
Head of Department

Professor William J. Chapitis
Assistant Professor of English and Modern
Foreign Languages

Dr. David F. Coolbaugh
Assistant Professor of Basic Engineering

Dr. Frank A. Hadsell
Assistant Professor of Geophysics

Dr. Robert Q. Macleay
Assistant Professor of Physics

Dr. Harry T. Pinnick
Assistant Professor of Physics

Dr. David W. Trexler
Assistant Professor of Geology

President Vandervilt reported that the names of two who had left the School, Professors Keating and Poole, were being removed from the list.

Upon motion made, duly seconded, and unanimously passed, the new list of Graduate Faculty was approved.

Statement on Objectives - Colorado School of Mines. President Vandervilt reviewed the search that had been made of the objectives of the School as defined by Colorado statutes. The Act passed by the General Assembly in 1881 and which has remained unchanged since that time reads: "The said school of mines shall

have for its object, to furnish such instruction as is provided for in like technical schools of a high grade, and may, by its board of trustees, confer all degrees appropriate to the courses of study pursued."

The members of the Board agreed that education in the mineral fields was implied, but the School was not limited to the mineral fields and that the curricula could be enlarged to include hydrology and mineral economics; and it would probably be desirable to make these two areas specific parts of our objectives in view of the increasing importance and direct relationship of these two areas to our traditional role in mineral engineering education.

Research Project. President Vanderwilt reported on a research project which had been conducted by Dr. Badgley and Professor Poole, along with two other persons, on geological and thermodynamic aspects of lunar rocks. The results had been of great interest and a further research project was to be initiated on campus supported by federal research funds.

Mr. Fenwick excused himself from the meeting at this time.

Mr. Steinbauer entered the meeting at this time.

Bids - HIFA Project. Mr. Steinbauer reviewed the situation regarding the bid opening for the HIFA project - the married student housing and college union. He reported that only four bids had been submitted and the lowest bid was \$1,885,000 or, eliminating all 14 deductive alternates, \$1,792,000, whereas the construction budget for the project was \$1,510,000.

Mr. James Sudler, architect for the project, entered the meeting at this time with three of his associates.

Mr. Sudler distributed copies of a letter to the Board dated October 10, 1962 in which he attempted an analysis of the bidding on the project. Mr. Sudler stated he was of the opinion that the main reason for the overage in the bids was caused by the uncertainties peculiar to the site. He distributed copies of a revised budget for the project and itemized unusual costs in connection with site preparation. He asked the Board to consider the possibility of treating the site preparation as a separate project and requesting state money in the amount of \$150,000 for this purpose.

The Board members thanked Mr. Sudler for his presentation and told him they would consider the entire problem further. Mr. Sudler and his associates left the meeting.

October 10, 1962

The Board discussed the problem at some length.

Upon motion, seconded, and unanimously passed, the Board of Trustees rejected all bids received on the HHFA project.

The Board authorized Mr. Steinhauer to make application to the State Planning Division for a sum in the amount of approximately \$150,000 to be paid from the Mill Levy Fund for site preparation and mechanical and electrical installations.

Utilities, West Campus. Mr. Steinhauer stated that the utilities to serve the south portion of the west campus where the fraternities are building were included in the contract which had just been rejected by the Board. He stated that about three months ago \$32,000 had been authorized from the Mill Levy Fund which could be used for the utilities and bids were being advertised under a separate project. Mr. Steinhauer stated that the bids were to be opened on October 23 and he asked the Board to authorize the acceptance of the low bid, if it is within the \$32,000 budget.

Upon motion, seconded, and unanimously passed the Board of Trustees authorized President Vanderwilt or Mr. Steinhauer to accept, on behalf of the School, the low bid if it is within the \$32,000 budget.

Appointment to the Student Health Committee. Upon the recommendation of the school physician and with the concurrence of President Vanderwilt, the Board approved the appointment of Dr. Carl L. Hiltrop for a three-year term on the Student Health Committee.

Long-Range Plans for Capital Outlay. President Vanderwilt reported that as authorized at the September meeting of the Board, he, Mr. Steinhauer, Dean Kuhn, and Mr. Greenwald appeared before the Advisory Board of the State Planning Division on September 26, 1962 and discussed the request for funds from the Capital Construction Fund of the State which had been previously submitted for (1) land acquisition, \$250,000; (2) Science Building equipment, \$71,000; and (3) lighting for Brooks Field, \$30,000.

Bequest - Elizabeth F. Adami. Mr. Steinhauer reported on a letter received from a New York attorney advising the School of a bequest in the amount of \$10,000 from the estate of Elizabeth F. Adami, the income from which was to be used for student scholarships.

Construction Loan - HHFA Project. Mr. Steinhauer reported that the Denver United States National Bank had agreed to grant a construction loan in the amount of \$1,250,000 at 2-5/8 per cent, simple interest on an unsecured basis.

The Board asked Mr. Steinhauer to notify Denver United States National that there had been a delay in the project but that we did wish to accept the loan.

Monthly Reports. Mr. Steinhauer distributed copies of the monthly reports as follows: Summary of Budget Appropriation & Disbursements, as of September 30, 1962; Balance Sheet, September 30, 1962; Mill Levy Building Fund, as of September 30, 1962; Experimental Plant, Summary of Budget Appropriation & Disbursements, as of September 30, 1962; Dining Hall, from August 26, 1962 through September 29, 1962; College Union Fund, Summary of Budget Appropriation & Disbursements, as of September 30, 1962; Mines Park, Statement of Income & Expense, as of September 30, 1962; Mines Park, Summary of Budget Receipts & Disbursements, as of September 30, 1962; Prospector Park, Statement of Income & Expense, as of September 30, 1962; Prospector Park, Summary of Budget Receipts & Disbursements, as of September 30, 1962; Statement of Income & Expense, Mines Bradford Hall & New Dormitory, as of September 30, 1962; Statement of Income & Expense, C.S.M. Houses - Group #1, as of September 30, 1962; Statement of Income & Expense, C.S.M. Houses - Group #2, as of September 30, 1962; Statement of Income & Expense, Mines Park Houses, 29-36 inclusive, as of September 30, 1962; Summary of Budget Receipts & Disbursements, Mines Park Houses, 29-36 inclusive, as of September 30, 1962; Statement of Income & Expense, C.S.M. Houses, Group #1 & Mines Park Houses, 29-36 inclusive, as of September 30, 1962; Statement of Income & Expense, Associated Students of the Colorado School of Mines, Inc., 1962-63 Health & Accident Plan, September 28, 1962; Budget Period, Associated Students of the Colorado School of Mines, Inc., 1962-63 Health & Accident Plan, as of September 28, 1962; and the Athletic Association, Summary of Budget Appropriation & Disbursements, as of September 30, 1962. Copies of the semi-annual report on student loans were also distributed.

Faculty-Student Seminar. Mr. Stockmar stated he continued to think the idea had a great deal of merit but that it would have to have the enthusiastic support of the faculty and administration in order for it to succeed.

Physical Fitness of Students. The Board inquired of the progress of the study being made on the physical fitness of students and the question of required physical education last reported on at the April 1962 Board meeting. President Vanderwilt stated he would have the item on the November agenda.

The meeting adjourned at 4:00 p.m.

Secretary

October 10, 1962

Golden, Colorado
November 9, 1962

The Board of Trustees met in regular session on November 9, 1962, at 8:30 a.m., in the President's Office of the Colorado School of Mines.

Present: Messrs. Coors, Johnston, and Parker.

Absent: Messrs. Fenwick and Stockmar.

Dr. Parker, President of the Board, presided.

President 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.

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #38

1062	Allen, Jimmie L.	437.86
1063	Ayler, Maynard F.	435.16
1064	Babcock, Henry A.	523.25
1065	Badgley, Peter C.	574.23
1066	Baer, Charles R.	519.32
1067	Bariani, Geraldine D.	391.17
1068	Barton, Richard J.	493.96
1069	Bartunek, Paul F.	589.52
1070	Bator, George T.	602.04
1071	Bauman, Victor W.	411.31
1072	Bass, Daniel M., Jr.	829.69
1073	Bisque, Ramon E.	459.46
1074	Bloom, Harold	438.60
1075	Brennecke, Fritz S.	706.47
1076	Bryner, Leonid	454.52
1077	Burdick, E. Dean	646.69
1078	Burger, William V.	631.04
1079	Campbell, Frank R.	542.02
1080	Carpenter, Frederick	585.01
1081	Carpenter, Robert H.	598.20
1082	Chapitis, William J.	472.43
1083	Charest, Jacques	584.39
1084	Coke, John H.	644.31
1085	Compton, W. D.	514.21
1086	Conroy, Bernetta	387.97
1087	Cook, George S.	392.95
1088	Coolbaugh, David F.	567.48
1089	Darden, James	398.81
1090	Darnell, Byron	310.66
1091	Davies, Joseph E.	531.01
1092	Dickerhoof, Dean W.	349.53
1093	Dunke, Walter H.	693.15
1094	Eng, Henry K.	445.44
1095	Epis, Rudy C.	466.73
1096	Ferrell, Edward F.	427.03
1097	Finney, Joseph J.	456.34
1098	Fisher, Edward G.	512.03
1099	Fletcher, David E.	445.06
1100	Fletcher, Hilbert E.	478.30
1101	Fox, Leland S.	399.93
1102	Fritts, Paul J.	431.47
1103	Frost, Hildreth, Jr.	511.72
1104	Frush, Charles O.	532.10
1105	Gary, James H.	811.13
1106	George, John M.	412.71
1107	Gore, Jack H.	465.00
1108	Greenwald, Robert L.	625.46
1109	Grosvenor, Miles E.	506.79
1110	Gusy, Wilbur J.	413.86
1111	Gutzman, Raymond R.	510.37
1112	Hedzell, Frank A.	520.92
1113	Hall, James L.	437.57
1114	Hancock, John W.	442.99
1115	Hartemeier, L. W.	560.45
1116	Haus, John D.	286.74

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #38

1117	Hayes, John R.	653.08
1118	Habel, Ivan L.	593.43
1119	Hiltrop, Carl L.	450.44
1120	Hollister, John C.	835.73
1121	Houghton, Augustus S.	474.92
1122	Hughes, Richard V.	724.04
1123	Hutchinson, Robert M.	606.11
1124	Jensen, R. C.	388.80
1125	Johnson, George W.	555.19
1126	Johnstone, James G.	526.20
1127	Jordan, A. Raymond	823.80
1128	Jurney, William H.	585.78
1129	Kalol, Leonard A.	441.72
1130	Kelly, T. A.	671.47
1131	Kelsey, Harry E.	463.70
1132	Kent, Harry C.	430.61
1133	Kline, John V.	563.02
1134	Klugman, Michael A.	514.05
1135	Koehler, Edward C.	192.45
1136	Kohlhaas, Charles A.	394.64
1137	Kuhn, Truman H.	1,098.10
1138	Leubach, Winton	317.02
1139	Lemaire, George W.	625.54
1140	Lentz, Oscar H.	436.91
1141	LeRoy, L. W.	909.38
1142	Long, V. Allan	682.79
1143	Lubahn, J. D.	778.31
1144	Lucas, George B.	546.71
1145	Macleay, Robert Q.	501.56
1146	Manfred, Ernest J.	338.85
1147	Marsh, Donald C. B.	455.78
1148	Marshall, Scott J.	443.31
1149	Mateer, W. D.	402.51
1150	Mathews, Frank S.	593.26
1151	Merideth, George T.	767.48
1152	Merrin, James	523.31
1153	Moore, Fred E.	443.82
1154	Morgan, Lyman W.	600.73
1155	Nordquist, Carl G.	510.84
1156	Ogden, Lawrence	452.69
1157	Osborn, Robert B.	514.55
1158	Pegis, Anton G.	541.14
1159	Penley, James C.	468.51
1160	Pierce, A. L.	372.12
1161	Finnick, Harry T.	534.06
1162	Fohrte, Theodore W.	417.60
1163	Foole, H. Gordon	310.53
1164	Freston, Ronald D.	564.20
1165	Reed, John J.	763.60
1166	Reynolds, G. Fredric	446.78
1167	Richtmann, W. M.	564.01
1168	Rinehart, John S.	466.75
1169	Robinson, James G.	671.45
1170	Rodgers, Paul A.	578.35
1171	Sankovitz, James L.	493.77

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #38

1172	Schieltz, W. Cyril	708.63
1173	Shull, Charles M., Jr.	521.00
1174	Sisson, George T.	365.21
1175	Smiley, Francis E., Jr.	541.32
1176	Spear, Sherman W.	591.63
1177	Starks, Charles W.	396.73
1178	Steinhauer, Burnett	906.94
1179	Stewart, Frances L.	332.16
1180	Sutherland, Joycelyn	330.27
1181	Taylor, Robert J.	375.58
1182	Thomas, John C.	368.52
1183	Trexler, David W.	468.69
1184	Vanderbilt, John W	1,182.75
1185	Van Felt, Chancy D.	480.26
1186	Weiser, Robert J.	569.61
1187	Wilson, Virginia Lee	642.45
1188	Williams, Art	494.75
1189	Williams, John T.	583.65
1190	Wright, Curtis E.	444.70
1191	Wright, W. Lloyd	608.06

TOTAL FACULTY PAYROLL - Voucher #38

68,754.97

SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #39

1192	Apodaca, Richard M.	190.63
1193	Averill, Margaret S.	127.94
1194	Bain, Miriam W.	298.25
1195	Barge, Keith A.	238.54
1196	Berthel, William L.	314.90
1197	Berlin, Avis M.	164.18
1198	Billingham, Charles	293.20
1199	Blackwell, Doris E.	246.19
1200	Bliss, Mary Geneva	225.80
1201	Boehne, Jacqueline L.	232.36
1202	Braum, Frank J.	283.13
1203	Britton, Esther B.	244.71
1204	Brobeck, Harold V.	300.02
1205	Brown, Em Arnold	232.09
1206	Bruns, Audrey M.	236.49
1207	Bufnak, Frank	244.42
1208	Burtlow, Cedric C.	350.61
1209	Russert, Shirley	244.04
1210	Carper, Leorabel	211.83
1211	Carver, Walter B.	258.99
1212	Caedy, Leonard D.	405.77
1213	Chambers, Paul	291.96
1214	Childers, Engra M.	345.72
1215	Connor, Rex L.	294.88
1216	Cummins, Faith B.	240.66
1217	Denley, Clint	327.39

SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #39

1218	Dickens, Earl	361.93
1219	Dillon, Ross Harold	381.25
1220	Dinkmeyer, Elvera B.	302.83
1221	Dolan, Francis	392.55
1222	Drake, Ollie L.	154.49
1223	Dyar, Barbara Burfitt	218.00
1224	Dygert, Harold	236.48
1225	Easley, Fred D.	393.05
1226	Eastin, Dick	248.70
1227	Farmer, Clarence J.	235.65
1228	Fortune, William E.	349.08
1229	Gallejos, Alfred J.	363.96
1230	Geary, Edwin J.	303.78
1231	Gilchrist, Clarence	233.70
1232	Godfrey, J. H.	256.25
1233	Graham, Doris L.	114.33
1234	Gregory, Clyde G.	400.03
1235	Grewal, Martha H.	284.58
1236	Hansen, Ola E.	228.26
2137	Hatfield, John	316.67
1238	Helpe, Diane L.	208.15
1239	Hendrickson, Vernon A.	265.78
1240	Hoffman, Helen M.	208.15
1241	Hoskins, Raymond	199.69
1242	Howarter, William H.	255.80
1243	Jenson, Hendrietta O.	270.67
1244	Johanson, Helen	300.51
1245	Krattli, Tetley L.	301.32
1246	Kruger, Richard F.	256.25
1247	Kuback, Josephine	222.15
1248	Lamb, Melanee B.	238.99
1249	Lange, Edward	387.96
1250	Lee, William	142.85
1251	Leits, Rudolph	298.57
1252	Light, Sheila M.	211.26
1253	Ljungvall, Donald	328.18
1254	Loebel, Dee Ann R.	268.99
1255	Loving, Orville	402.91
1256	Mandiloff, Dean M.	337.05
1257	Mandiloff, Vasil C.	256.25
1258	Marvin, Thomas	234.12
1259	Matthews, Arthur W.	213.15
1260	Mattson, Carl Walter	328.18
1261	Mester, Chris	374.30
1262	Michaelis, Harold C.	326.04
1263	Mineff, Peter	270.77
1264	Moore, Grace	276.26
1265	Mortimer, Patricia A.	208.15
1266	Mendes, Michael, Jr.	241.25
1267	Nichols, Clarence	439.03
1268	Nobles, William	210.59
1269	Nordyke, Ina G.	234.56
1270	Obermayer, Robert H.	258.08
1271	O'Lear, Thomas	311.95
1272	O'Neil, Milton	423.23

SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #39

1273	Paddieford, Mary M.	228.55
1274	Parsons, Von E.	269.01
1275	Partridge, Jesse C.	203.57
1276	Payne, Jesse E.	289.38
1277	Perex, John R.	299.50
1278	Peters, Roy V.	235.65
1279	Phillips, Helen K.	234.74
1280	Pickthall, John W.	410.27
1281	Porter, Dorothy M.	201.26
1282	Powell, Charles L.	374.45
1283	Ratcliff, John B.	381.18
1284	Reese, Sherilyn F.	201.91
1285	Rheams, Ruth Ann	321.99
1286	Rice, Ilah M.	182.70
1287	Rice, Shirley A.	210.01
1288	Richards, Robert H.	357.97
1289	Robb, Donald	268.63
1290	Rogers, Charlotte C.	200.86
1291	Routh, Carl D.	346.38
1292	Rushton, John E.	247.02
1293	Sackett, Hugh N.	259.21
1294	Schader, Loretta B.	282.42
1295	Schieffelin, Eleanor	270.32
1296	Siefken, Elizabeth F.	252.38
1297	Simpson, Albert E.	318.89
1298	Simpson, Bart D.	228.26
1299	Simpson, Frances	77.20
1300	Simpson, Minnie	158.34
1301	Smith, Mildred	318.22
1302	Spencer, Robert A.	371.40
1303	Stark, Henry	283.98
1304	Steffonich, Marvyl I.	295.14
1305	Sterling, Mary Ann	317.89
1306	Stolpa, Vincent R.	423.25
1307	Tear, Lucy E.	188.17
1308	Thomas, Laverne F.	256.25
1309	Thomas, Luella F.	256.75
1310	Tiedt, John	216.25
1311	Tomsic, Frank J.	244.42
1312	Tracy, Frank	403.78
1313	Tripp, Warren	350.61
1314	Underwood, Lavern F.	268.01
1315	Underwood, William V.	280.59
1316	Valentine, Florence D.	223.44
1317	VanDewacker, Letta M.	267.11
1318	Vaughn, Clarence	219.02
1319	Waters, Ernest E.	464.23
1320	Wendell, David L.	308.55

TOTAL CIVIL SERVICE PAYROLL

35,602.54

SPECIAL APPROPRIATION

GRADUATE FELLOWSHIP PAYROLL - Voucher #40

1321	Advincula, Guido, Jr.	90.97
1322	Bouche, Ramon	147.33
1323	Butler, David	282.44
1324	Chandra, Suresh	90.97
1325	Crews, George	90.97
1326	Cummins, William F., Jr.	147.33
1327	Darbazelle, Gerard	90.97
1328	Diebold, Frank E.	90.97
1329	Genesee, Eustaquio	90.97
1330	Gosling, Arthur W.	158.91
1331	Han, Charles Ju Wu	90.97
1332	Hobbs, James W.	147.24
1333	Jones, Peter B.	100.00
1334	Judy, Millard M.	228.60
1335	Koch, Robert W.	90.97
1336	Leitinger, Hans	90.97
1337	Lobato, Fabiano Sayao	158.91
1338	Mehta, Ramesh	142.87
1339	Michels, Donald	158.91
1340	Fan, Poh Hai	147.33
1341	Reynolds, Robert R.	90.97
1342	Roberts, Robert S.	147.33
1343	Sinclair, William F.	200.00
1344	Tan, Mario Y.	169.40
1345	Walton, David S.	169.40
1346	Wang, Yung Liang	158.91
1347	White, Christopher G.	169.40
1348	Yu, Ching Huang	90.97
	TOTAL GRADUATE FELLOWSHIP PAYROLL	3,834.98

SPECIAL APPROPRIATION

MISCELLANEOUS PAYROLL - Voucher #40

1349	Beaty, Ernest E.	209.51
1350	Bennett, Gary J.	58.35
1351	Clifton, Barbara A.	135.99
1352	Dyer, Barbara Burfitt	72.50
1353	Ferguson, John H.	41.00
1354	Hansen, Leonard C.	223.00
1355	Hoefler, Arthur	249.00
1356	Kulp, Nedine	203.50
1357	Pickhall, William R.	95.32
1358	Ross, George	142.87
	TOTAL MISCELLANEOUS PAYROLL	1,431.04

SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #40

1359	Adams, Gene	11.00
1360	Adams, Gene	20.00
1361	Albrecht, Charles	27.00
1362	Avery, Irving F.	30.00
1363	Baker, Roger	22.00
1364	Bardey, Robert J.	5.50
1365	Bennett, Gary L.	5.00
1366	Berndt, Charles F.	3.00
1367	Berndt, Charles F.	30.00
1368	Bingham, Donald L.	6.00
1369	Blom, Robert H.	24.00
1370	Boisen, Bradford P.	28.00
1371	Eott, Kenneth W.	3.00
1372	Brethauer, George E.	26.00
1373	Brown, James	11.25
1374	Butura, Frank	28.00
1375	Chandra, Suresh	10.00
1376	Clark, Richard L.	26.75
1377	Coale, Robert D.	6.00
1378	Coale, Robert D.	18.00
1379	Goulson, Chris	44.50
1380	Desbazeille, Gerard	12.50
1381	Dickson, Kenneth	5.00
1382	Ellickson, M. L.	7.00
1383	Engelhardt, Kenneth	34.00
1384	Erisman, Richard F.	12.25
1385	Everett, William W.	10.50
1386	Fanning, Kent	55.50
1387	Farris, Douglas F.	30.00
1388	Grogan, Mike I.	11.00
1389	Hannan, James H., III	7.00
1390	Hannan, James H., III	11.00
1391	Hude, Christian G.	20.00
1392	Jaworski, John	12.00
1393	Keiser, Robert	19.00
1394	Kuhn, Martin G.	30.00
1395	Kuhn, Martin G.	42.50
1396	Leahy, John R.	16.00
1397	Lundquist, Robert	27.00
1398	McBennett, William C.	30.00
1399	McDonnell, William L.	9.00
1400	Miller, Bruce	30.00
1401	Miller, William H.	9.00
1402	O'Grady, William E.	3.00
1403	O'Neill, Mary	12.00
1404	Oman, Harry W.	6.00
1405	Peterson, Jerry	30.00
1406	Philippus, John	29.00
1407	Fock, Sylvia L.	7.00
1408	Porter, Gary D.	48.50
1409	Frenn, Neil	33.50
1410	Rohde, Peter H.	21.25
1411	Salverowicz, Frank	29.00
1412	Sanders, Douglas V.	14.00
1413	Schilling, Glenn	14.50

SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #40

1414	Schocke, John J.	30.00	
1415	Selwyn, Robert E., Jr.	22.00	
1416	Shanahan, Sean	15.00	
1417	Sheehan, Dennis	30.00	
1418	Simpson, Percival A.	18.00	
1419	Soenke, Alan J.	6.50	
1420	Somers, John B.	10.00	
1421	Sorensen, Arvid	18.50	
1422	Stoney, Stephen A., Jr.	12.00	
1423	Taylor, Charles V.	10.00	
1424	Tejera, Frank D.	9.50	
1425	Thomas, Leo R.	5.00	
1426	Torkington, Don	15.50	
1427	Townsend, Ralph E.	16.50	
1428	Turley, John A.	11.00	
1429	Van Sant, Vernon D.	24.50	
1430	Walborn, Lawrence E.	35.00	
1431	Wheeler, John	11.00	
1432	Wheeler, John	16.50	
1433	White, C. G.	28.50	
1434	Wise, Robert	5.00	
1435	Worcester, Anthony	12.00	
1436	Wretling, LeRoy E.	11.00	
	TOTAL STUDENT HELP PAYROLL		1,454.00
	TOTAL GRADUATE FELLOWSHIP, MISCELLANEOUS AND STUDENT HELP PAYROLLS		6,720.02

SPECIAL APPROPRIATION

DEDUCTIONS ON FACULTY PAYROLL - Voucher #38

Federal Withholding Tax	12,376.41
Colorado Withholding Tax	1,814.26
Retirement	5,404.07
Equitable Life Assurance Society	1,639.06
G.S.M. Federal Credit Union	1,426.44
Mile High United Fund	24.50
Bonds	445.00
State's Share to Retirement	5,253.99
School's Share of Faculty Insurance	1,579.00

SPECIAL APPROPRIATION

DEDUCTIONS ON CIVIL SERVICE PAYROLL - Voucher #39

Federal Withholding Tax	6,668.30
Colorado Withholding Tax	827.24

SPECIAL APPROPRIATION

DEDUCTIONS ON CIVIL SERVICE PAYROLL - Voucher #39

Retirement	3,066.91
Blue Cross--Blue Shield	1,185.25
Colorado Employees' Association	100.66
C.S.M. Federal Credit Union	1,788.01
Colorado Employees' Credit Union	55.00
Mile High United Fund	2.00
Bonds	78.75
State's Share to Retirement	2,943.46

SPECIAL APPROPRIATION

DEDUCTIONS ON GRADUATE FELLOWSHIPS & MISCELLANEOUS PAYROLLS
Voucher #40

Federal Withholding Tax	472.00
Colorado Withholding Tax	44.84
Blue Cross--Blue Shield	20.60
Mile High United Fund	1.50

GRAND TOTAL--PAYROLLS & DEDUCTIONS 158,294.78

SPECIAL APPROPRIATION

EXPERIMENTAL PLANT PAYROLL - Voucher #41

Crabtree, Edwin H., Jr.	330.08
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TOTAL EXPERIMENTAL PLANT PAYROLL 330.08

SPECIAL APPROPRIATION

DEDUCTIONS ON EXPERIMENTAL PLANT PAYROLL - Voucher #41

Federal Withholding Tax	81.00
Colorado Withholding Tax	11.92
Retirement	27.00
State's Share to Retirement	27.00

TOTAL DEDUCTIONS ON EXPERIMENTAL PLANT PAYROLL 146.92

GRAND TOTAL--EXPERIMENTAL PLANT PAYROLL &
DEDUCTIONS 477.00

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

492	Richard Abel & Company, Inc.	253.10
493	Ace-Kaufman Rubber Stamp & Seal Co.	38.51
494	Arme Building Maintenance Co.	32.00
495	ACTA Polytechnica Scandinavica	5.40
496	Addison-Wesley Publishing Co., Inc.	10.63
497	Addressing Machines & Business Equip- ment Co.	18.00
498	Addressograph- Multigraph Corp.	234.64
499	Wm. Ainsworth & Sons, Inc.	57.39
500	All-Steel Equipment, Inc.	12.50
501	American Alumni Council	50.00
502	American Assn. of Petroleum Geologists, Inc.	19.60
503	American Chemical Society	11.50
504	American Gas Association	5.00
505	The American Heritage	10.40
506	American Linen Supply Co.	202.80
507	American Mathematical Society	35.00
508	American Metal Market Co.	5.40
509	Antiquariat Junk	13.05
510	Applied Research Laboratories, Inc.	12.25
511	Armstrong Cork Company	40.00
512	Maynard F. Aylar	18.48
513	D. M. Bass	105.00
514	Bell Plumbing & Heating Co.	114.13
515	"Stu" Bernsford, Inc.	243.67
516	Book-of-the-Month Club, Inc.	12.35
517	Bradley, Carnsey & Johnson	233.00
518	Braniff Airways, Inc.	11.25
519	British Boots	186.75
520	Leonid Brynar	39.15
521	Buffalo Forge Company	25.66
522	Bunting and Lyon	15.00
523	H. Dean Burdick	104.64
524	William V. Burger	25.41
525	Business Machines, Inc.	56.40
526	Butler Paper Company	153.32
527	Castex Laboratories, Inc.	3.60
528	Central Electric Supply Co.	194.15
529	Central Magazine Co., Inc.	8.50
530	Central Scientific Company	10.50
531	William J. Chapisis	121.54
532	Jacques Charest	5.04
533	Chemicals Procurement Laboratories	40.00
534	Chicago Apparatus Company (Missouri)	31.85
535	Chicago, Burlington & Quincy Railroad	98.55
536	Collier-MacMillan Library Division	10.00
537	Colorado Heating Company, Inc.	30.00
538	Colorado Office Supply, Inc.	267.23
539	C.S.M. Revolving Fund	164.93
540	Colorado Surplus Property Agency	1,199.24
541	Colorado Tent & Awning Co.	11.80
542	Columbia Ribbon & Carbon Mfg. Co.	50.00
543	Continental Air Lines, Inc.	74.30
544	Continental Oil Company	13.30

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

545	Crowers'	82.18
546	Daily Journal	26.62
547	Joseph E. Davies	48.16
548	Delta Company	65.00
549	Denver Air Machinery Co.	86.90
550	Denver Bookbinding Company	496.90
551	Denver Distributors	68.50
552	Denver Oxygen Company	9.65
553	Denver Reproductions, Inc.	19.50
554	Desks, Inc.	45.80
555	Earl Dickens	16.03
556	Dixon Paper Company	123.12
557	Jerry H. Dolph	20.00
558	Duplicator Supply Co.	37.53
559	Duvall-Davison Lumber Co.	27.99
560	Fred D. Masley	4.55
561	Eastman Kodak Stores, Inc.	36.43
562	Thomas A. Edison Industries	7.50
563	Bill Eger's Midway Chrysler-Plymouth	21.30
564	Engineers Council for Professional De- velopment	3.00
565	Rudy G. Epis	33.60
566	Federal Envelope Company	77.39
567	Fisher Governor Company	16.25
568	Fisher Scientific Company	21.96
569	Flint Ink Corporation	26.13
570	Foss Company	1,177.79
571	M. L. Foss, Inc.	263.74
572	Foto Minox	3.50
573	Frankel Carbon & Ribbon Co.	18.00
574	Paul J. Fritts	61.25
575	Garlock, Inc.	262.73
576	Gates Factory Store, Inc.	4.89
577	Edwin J. Geary	8.82
578	Gen Reproduction Supply Co.	39.00
579	General Electric Company	52.60
580	General Electric Supply Co.	4.96
581	General Industrial Company	40.13
582	General Radio Company	53.18
583	Genuine Parts Company	73.25
584	Geoffroy-Lane, Inc.	495.00
585	Golden Laundry-Mat	174.52
586	Graham Paper Company	30.18
587	Robert L. Greenwald	8.05
588	Hale & Perry Paints, Inc.	31.92
589	C. A. Hein	29.25
590	A. E. Heinsch Printing Machinery & Supplies Co.	7.20
591	Hendrie & Bolthoff Company	215.08
592	Hillary House, Incorporated	8.73
593	John C. Hollister	91.70
594	Horison Book of Lost Worlds	13.45
595	Idaho Springs Lumber Co.	28.08
596	I.D.F. Forms & Equipment Co.	62.81
597	Ingersoll-Rand Company	62.05

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

598	INSCO Company, Inc.	26.90
599	Institute of Metals	15.15
600	International Business Machines Corporation	1,275.66
601	International Oil Scouts Assn.	20.00
602	Inter-State Radio & Supply Co.	36.26
603	Iron & Steel Institute	9.27
604	Jeffco Engineering Supply Co.	49.21
605	Jefferson Transit Mx Co.	24.00
606	Jensen Paper Co.	143.14
607	Johnson-Pags Engineering Co.	69.16
608	Johnson Service Company	107.00
609	James G. Johnstone	105.25
610	Keuffel & Esser Co.	43.70
611	Kistler's	194.30
612	Kohler McLister Paint Co.	195.32
613	Lafayette Radio Electronics Corp.	13.77
614	Lakewood Glass Company	9.75
615	Lakewood Travel Service	115.20
616	Edward W. Lange	7.70
617	Latimer Fuel Co.	961.13
618	Lauren Burt, Inc., of Colorado	246.40
619	Library of Congress--Card Division	67.11
620	McMurtry Mfg. Co.	22.50
621	Madison Chemical Corporation	22.30
622	Marboro Books	19.86
623	Matheson Company, Inc.	288.00
624	Matthew Bender & Co., Inc.	19.50
625	Walter Mattson	7.21
626	Metal Powder Industries Federation	12.00
627	Meyer Hardware & Sporting Goods	21.66
628	Midwest Sales Co.	42.00
629	Mine Safety Appliance Co.	74.90
630	Mine & Smelter Supply Co.	801.81
631	Mines Supply Co.	26.94
632	Minneapolis-Honeywell Regulator Co.	34.79
633	Moore Business Forms, Inc.	42.12
634	Moore Publishing Co., Inc.	40.00
635	Mountain States Telephone & Telegraph Co.	1,949.41
636	National Business Publications Ltd.	8.00
637	National Mine Service Company	75.00
638	Natural Gas Processors Assn.	15.00
639	O'Meara Ford Company	6.10
640	Milton F. O'Neil	5.46
641	Overgard Machine Tool Co., Inc.	48.00
642	Frank Paxton Lumber Co.	177.96
643	Photostat Corporation	17.00
644	John W. Pickthall	8.89
645	Pioneer Auto Wrecking Company	117.12
646	Plateau Supply Co.	6.49
647	Plasticrafts, Inc.	78.58
648	Pleasant View Water & Sanitation District	29.40
649	Postmaster, Golden, Colorado	3,000.00