

Changes in Requirements, Master of Science Degree. A recommendation from the Graduate Faculty which came from Dean Jordan was next considered. The Graduate Faculty recommended that the 400-series (senior courses) semester hours applicable toward a Master's degree be reduced from a maximum of ten hours to a maximum of six hours. They also recommended that six semester hours of credit be allowed for the Master's thesis, toward a total requirement of thirty semester hours for a Master's degree.

On motion made, seconded, and unanimously passed, the recommendations were approved.

The Board also went on record as strongly favoring the continuation of the thesis requirement for degree of Master of Science.

Graduate Degree in Geochemistry. The admission requirements and graduate requirements for the graduate degree in geochemistry recommended by the Graduate Faculty and Dean Jordan were reviewed and discussed. These requirements were approved by the Board and they will appear in the next catalogue.

Graduate Center for Research. President Vanderwilt reviewed for the Board what had been going on in the way of interdisciplinary research in education and in industry. He stated that there had been some discussion of expanding this work here beyond what our teaching faculty could do, and stated that this type of program had been developed where there were needs for expanding graduate studies.

President Vanderwilt distributed for preliminary information and future consideration copies of a memorandum from Dean Jordan which set forth the purpose, scope, and advantages of such a center.

Advanced Research Projects Agency. (Department of Defense). President Vanderwilt reported on an invitation from ARPA to express our interest in the establishment of a research and evaluation center for geophysical research and development.

The Board felt that the school would derive a real benefit from a program of this type and that an effort should be made to participate in this or other similar projects for which the school is qualified.

Mr. Steinhauer entered the meeting at this time.

Monthly Reports. Mr. Steinhauer distributed copies of the monthly reports as follows: Summary of Budget Appropriation & Disbursements, as of April 30, 1961; Balance Sheet, April 30, 1961; Mill Levy Building Fund, as of April 30, 1961;

Experimental Plant, Summary of Budget Appropriation & Disbursements, as of April 30, 1961; Dining Hall, from March 26, 1961 through April 22, 1961; College Union Fund, Summary of Budget Appropriation & Disbursements, as of April 20, 1961; Statement of Income & Expense, Mines Park, as of April 19, 1961; Mines Park, Summary of Budget Receipts & Disbursements, as of April 19, 1961; Prospector Park, Statement of Income & Expense, as of April 19, 1961; Statement of Income & Expense, Mines Bradford Hall & New Dormitory, as of April 19, 1961; Statement of Income & Expense, C.S.M. Houses - Group 1, as of April 20, 1961; Statement of Income & Expense, C.S.M. Houses - Group 2, as of April 19, 1961; Statement of Income & Expense, Mines Park Houses, 29-36 inclusive, as of April 19, 1961; Summary of Budget Receipts & Disbursements, as of April 19, 1961; Statement of Income & Expense, C.S.M. Houses Group 1 & Mines Park Houses, 29-36 inclusive, as of April 19, 1961; Statement of Income & Expense, 1960-61 Health & Accident Plan, Associated Students of the Colorado School of Mines, Inc., April 30, 1961; Budget Period, 1960-61 Health and Accident Plan, Associated Students of the Colorado School of Mines, Inc., April 30, 1961; and the Athletic Association, Summary of Budget Appropriation & Disbursements, as of April 20, 1961.

Mr. Steinhauer also distributed copies of the 1961-62 budgets for the Athletic Association, Experimental Plant, Mines Park, Prospector Park, and the College Union.

On motion, seconded, and passed, the budgets were approved.

The question was posed as to whether the surpluses shown in these auxiliary budgets should be reflected in the general budget. Mr. Steinhauer stated he had talked with Mr. Con Shea, Budget Director, and they had agreed they would confer with Mr. E. G. Spurlin, State Controller, and decide how this money should be handled.

Clay Pit Area. An agreement dated May 12, 1961 between the Colorado School of Mines and the A. P. Green Fire Brick Company relative to the purchase of the clay pit area was reviewed. Mr. Steinhauer reported that the required approval by the State Planning Division and the Governor had been obtained.

It was moved, seconded, and unanimously passed that the school enter into the agreement with the A. P. Green Fire Brick Company for the needed clay pit area. By motion, ^{duly} seconded, and unanimously passed, Dr. Parker was authorized to sign this agreement on behalf of the school. ✓

Vivian Property. Mr. Steinhauer reported he had received a letter from Mr. Vivian in which Mr. Vivian ^{protested}

the condemnation proceedings which have been initiated. The Board instructed Mr. Steinhauer to confer with the Attorney General's office and acknowledge the letter.

Faculty Insurance. Mr. Steinhauer stated that the Equitable Life Assurance Society, with whom the faculty insurance is placed, is increasing the premium on medical and surgical benefits by approximately 20%. Because half the insurance premium is paid by the school as a fringe benefit, this will affect the school budget. The alternative to accepting the increase in premium would be a decrease in benefits. Mr. Steinhauer stated that because of our favorable experience on the life insurance portion of the policy there would be a dividend which he had proposed applying on the school's portion of the increase in premium. He was awaiting a final answer from the insurance company on this proposal. The Board instructed the administration to refer the matter of increased premium versus decreased benefits on their portion of the monthly premium to the faculty.

Candidates for Degrees. The following list of those recommended by the faculty for degrees on the dates specified was approved subject to the final completion of their work and the meeting of all requirements for graduation:

June 2, 1961

ENGINEER OF MINES

Chanyalew Alemayheu	Gary Lee Leighton
Emory Joe Beck	Richard Martin Lime
David H. Bednar	Robert Harlan Marshall
Kenneth Paulson Beech	James D. McDowall
Everett Crowell	Floyd Francis McGurk
Carl John Forstrom, Jr.	George Bruce McRay
Carlton Eugene Gerity	Frank A. Nickell
George Albert Holcomb	Victor Alan Perry
Jerry Perrin Ilgenfritz	William Gordon Peters
Robert Webb Jennings	William Sloane Price
Bertram M. Jones	Douglas Ross Reid, Jr.
Robert M. Jones	James Fred Reynolds
Edward Paul Jucevic, Jr.	Donald Robert Stewart
Santiago German Lehr Arrieta	David Harold Strandberg

METALLURGICAL ENGINEER

Wayne Russell Andrews	Donald H. Osborn
Simon Arrieche Parra	Herbert Cecil Osborne
Arthur Thomas Biddle	James Gordon Pace
Orin Frederick Carrington	James Michael Partridge
Howard Paul Christiansen	Patrick E. Phillips
Jeffrey D. Clark	Harold Leon Piper
Franklin Dale Coffman, Jr.	Robert Andrew Prescott

David M. Dougherty
Robert E. Dugger
Glen Robert Edwards
Bobby Paul Faulkner
John Edward Fuller
Joseph Edward Gust, Jr.
Douglas Neil Halbe
Charles Clifford Hammerberg
Delbert Richard Harbur
Junji James Inouye
Ronald B. Kahler
Ashok Mayadas
Jon Paul Meyer
Robert Edward Naumes

Walter Graham Reuter
Joh David Schieltz
Donald Arthur Schultz
Richard Lee Seal
William Nelson Seery
Douglas Roe Shearer
Thomas Chester Spangler
James L. Sullivan
Fred Andrews Thebus
Larry Dale Webster
Harry K. White
William Percy Whitney II
Gary Glin Zahn

GEOLOGICAL ENGINEER

Chanyalew Alemayehu
George S. Blake
Norman William Burmeister
David Abraham Chasis
George Samuel Clausen
Kim Palmer deRubertis
George Reed Downs, Jr.
Burton Arthur Ellison
Don Keith Henderson
Ralph Theodore Hurr
Robert Crandall Johnson
Keith Frank Jones
Miles L. Kara
Paul LaFleur

Charles H. Miller
Arnold Powell Milton
John Russell Mitchell
George Richard Rathbun
Wilmaot P. Reid
Jimmie Vay Rouse
George E. Rouse
James E. Sharp
Charles Earl Shultz
Shirley Mae Valencia
Gordon Harris Van Sickle
Kenneth L. Vaughn
David Stewart Walton
Nikolas Frederick White

PETROLEUM ENGINEER

Gustavo Jose Copello
Robert Elwood Crumb
John Hugh Cussen
Kenneth D. Ibsen
Joseph Martin Keating
J. Coulter Kirkpatrick
James Woodrow Leonard
Michael Edwin McCutchan
Gabriel Max Neunzert
Richard Eugene Palmer

Greg Stephen Reinker
John Joseph Rossi
Donald H. Stegeman
Vincent Paul Tesone
David Lang Thompson
Anthony Ralph Ursini
Keith Erwin Wetterstrom
Randall Lafayette Williamson
Joseph Robert Wright
Kevin F. Dooley

PETROLEUM REFINING ENGINEER

Dwight Francis Barger
Roger C. Beach
James Michael Culver
Michael Fred Dunn

William Alexander Montgomery
Wayne Walter Pritzel
James Joseph Simpson
Carl William Sjoberg

Clifford Brown Farris
Bruce Baron Marshbarger
Vijay Kumar Kakaria
Martin Xavier Majestic, Jr.
Donald Earl McDowell

Glen Allan Sweeny
Ronald J. Vangelisti
Eugene Henry Wade
Robert William Wright

GEOPHYSICAL ENGINEER

Ninos Bait Benjamin
Robert Gene Bassier
David Henry Fruhling
Myron Alan Goldstein
Lawrence E. Jones
William David Jones
Steven Toby Kruger
Andre Lebel

Alan Edward McLaughlin
Charles Thomas Semerad
Charles Hall Swain
Mario Y. Tan
Ralph Ambrose Wiggins
Terril Edward Wilson
Richard Davis Wyatt

July 15, 1961

ENGINEER OF MINES

Richard Gong
James Adrian Mokua
Donald Lou Morris

Ronald Rutherford
Staley Paul Goudey

METALLURGICAL ENGINEER

Bruce Browne Henry
Frank Michael Patete

Gilbert Ray Beranek

PETROLEUM REFINING ENGINEER

Laurence George Preble

September 9, 1961

ENGINEER OF MINES

Ricardo A. Anorga
John H. Callahan
George Scott Dennison

Joseph Freeman Fisher
Carl Richard Foget

METALLURGICAL ENGINEER

Michael David Brightwell
William Allen Cline
Edward Eugene Griffec
Glen Edward Hasse

Robert Louis Kirchner
Patrick William Rice
Donald Lewis Siebert

GEOLOGICAL ENGINEER

James Lee Cox
John B. Hite, Jr.
John Brown Robertson
John D. Rockaway, Jr.

Maung Aung Tin U
Bradley Eugene Vote
William Way Walker
Mac Flanders Warrick

PETROLEUM ENGINEER

Carl Lawrence Lesher

PETROLEUM REFINING ENGINEER

Ricardo Adolfo Broce

Richard Joseph Collins

GEOPHYSICAL ENGINEER

Harold Rolland Peirce
Eugene Smart

Maung Aung Tin U

June 2, 1961

MASTER OF SCIENCE

Bernhard W. Ruhfus - Mining
Reginald Worsley - Mining
Charles L. Goode, Jr. - Metallurgy
William B. Sample, Jr. - Metallurgy
Mumin Koksoy - Geology
Charles H. Miles - Geology
Don L. Warner - Geology
David Paul Hill - Geophysics
Harold Bloom - Geology/Chemistry
Francisco H. Vargas D. - Geology

Numan A. Abdul-Latif -
Petroleum Refining
Robert A. Sims -
Petroleum Refining
Ozer Altan -
Geophysics
Richard F. Bublitz -
Geophysics
Lathrop VB. Denslow -
Geophysics

DOCTOR OF SCIENCE

Robert B. Day - Metallurgy
Robert D. Forest - Metallurgy
Richard H. DeVoto - Geology
Donald H. Johnson - Geology
Ben H. Parker, Jr. - Geology

David F. Coolbaugh -
Geophysics
Frank A. Hadsell -
Geophysics
Byung Koo Hyun -
Geophysics

Faculty Salaries. President Vandervilt reviewed the salary schedules. Over-all increases for the teaching faculty averaged 4.9%, the administration averaged 4.5% and the library averaged 3.4%.

The Board approved salaries as follows:

Jimmie L. Allen
Instructor in Physics

\$6,426.00

Ronald Arbini Assistant Professor of Philosophy	\$6,120.00
Maynard F. Ayler Instructor in Mining Engineering	6,008.00
Henry A. Babcock Associate Professor of Basic Engineering (Civil Engineering)	7,985.00
Peter C. Badgley Associate Professor of Geology	7,813.00
Clark F. Barb Professor of Petroleum Engineering and Head of Department	11,041.00
Paul F. Bartunek Professor of Physics	9,024.00
Victor W. Bauman Assistant Professor of Mathematics	6,750.00
Ramon E. Bisque Assistant Professor of Chemistry	7,144.00
Harold Bloom Assistant Professor of Geology	6,534.00
Fritz S. Bremecke Professor of Physical Education and Director of Athletics	9,945.00
Leonid Bryner Assistant Professor of Geology	6,365.00
H. Dean Burdick Director of Admissions	9,409.00
William V. Burger Dean of Students and Registrar	9,427.00
Frank R. Campbell Associate Professor of Basic Engineering (Mechanical Engineering)	8,240.00
Frederick M. Carpenter Associate Professor of Mathematics	8,706.00
Robert H. Carpenter Professor of Geology	8,715.00

William J. Chapitis Assistant Professor of English and Modern Foreign Languages	\$7,089.00
John M. Coke Professor of Basic Engineering and Head, Engineering Graphics Section	9,636.00
W. D. Compton Assistant Professor of Chemistry	7,191.00
Bernetta Conrey Departmental Assistant	6,216.00
George S. Cook Associate Professor of Mathematics	7,571.00
James Darden Assistant Professor of Physical Education	7,304.00
Byron N. Darnell Conductor of the Band and Glee Club	2,761.00
Joseph E. Davies Associate Professor of Physical Education	7,960.00
Robert B. Day Instructor in Metallurgy	6,094.00
Walter H. Duske Professor of Chemistry and Head of Department	10,467.00
Harold H. Earhart Superintendent of Buildings and Grounds	9,734.00
Rudy C. Epis Assistant Professor of Geology	6,679.00
Edward F. Ferrell Assistant Professor of Metallurgy	6,655.00
Edward G. Fisher Professor of English and Head of Department	10,509.00
David E. Fletcher Instructor in Physical Education and Business Manager of the Athletic Department	6,626.00
Hilbert E. Fletcher Assistant Professor of Basic Engineering (Electrical Engineering)	6,892.00

May 12, 1961

Ruby Foster Reference Librarian	36,864.00
Leland S. Fox Instructor in Chemistry	3,657.00
Paul J. Fritts Instructor in Basic Engineering (Engineering Graphics)	6,209.00
Hildreth Frost, Jr. Assistant Professor of Metallurgy and Administrative Assistant in Metallurgy	6,763.00
Charles O. Frush Associate Professor of Mining Engineering	7,933.00
Frances L. Fry Laboratory Assistant in Metallurgy	4,900.00
James H. Gary Professor and Head of the Department of Petroleum Refining Engineering	11,344.00
John M. George Assistant Professor of English	6,246.00
Albert L. Gosman Assistant Professor of Basic Engineering (Mechanical Engineering)	7,618.00
Clara C. Gross Catalogue Librarian	6,720.00
Niles E. Grosvenor Assistant Professor of Mining Engineering	7,709.00
Wilbur J. Guay Instructor in Metallurgy	5,570.00
Raymond R. Gutzman Assistant Professor of Mathematics	7,353.00
James L. Hall Associate Professor of Chemistry	7,809.00
John W. Hancock Assistant Professor of Physical Education	6,196.00
L. W. Hartkemeier Associate Professor of Chemistry	8,224.00

Wilfred P. Hasbrouck Instructor in Geophysics	\$6,373.00
John D. Haun Associate Professor of Geology	8,291.00
John R. Hayes Professor of Geology	9,304.00
Ivan L. Hebel Professor of Mathematics and Head of Department	9,830.00
Carl L. Hiltrop Assistant Professor of Chemistry	6,756.00
John C. Hollister Professor of Geophysics and Head of Department	11,803.00
Augustus S. Houghton Associate Professor of Petroleum Refining Engineering	7,772.00
Richard V. Hughes Professor of Petroleum Engineering	10,504.00
Robert M. Hutchinson Associate Professor of Geology	7,815.00
Don H. Johnson Assistant Professor of Geology	6,131.00
George W. Johnson Associate Professor of English	8,037.00
Warren B. Johnson Instructor in English	6,120.00
James G. Johnstone Assistant Professor of Basic Engineering (Civil Engineering)	7,456.00
A. Raymond Jordan Dean of the Graduate School	13,009.00
William H. Journey Associate Professor of Mathematics	6,424.00
Paul H. Keating Professor of Geology	8,806.00
T. A. Kelly Professor and Chairman, Department of Basic Engineering	10,397.00

Harry E. Kelsey Assistant Business Manager	\$7,459.00
Harry C. Kent Instructor in Geology	6,900.00
John V. Kline Associate Professor of Physics	8,165.00
Michael A. Klugman Assistant Professor of Geology	7,012.00
Truman H. Kuhn Dean of Faculty	16,243.00
Winton Laubach Assistant Professor of Mathematics	6,011.00
George W. Lemaire Professor of Petroleum Refining Engineering	9,276.00
Oscar H. Lentz Associate Professor of Economics	7,638.00
L. W. Leroy Professor of Geology and Head of Department	14,547.00
V. Allan Long Professor of Physics and Head of Department	10,361.00
George B. Lucas Associate Professor of Chemistry	7,782.00
Donald C. B. Marsh Assistant Professor of Mathematics	7,034.00
Scott J. Marshall Instructor in Basic Engineering (Electrical Engineering)	6,968.00
W. D. Mateer Assistant Professor of Geology	6,394.00
Frank S. Mathews Associate Professor of Physics	8,332.00
George T. Merideth Professor of Geophysics	10,301.00
James Merrin Associate Professor of English	7,707.00

Dale Milich Instructor in Basic Engineering (Engineering Graphics)	55,386.00
Fred E. Moore Assistant Professor of Geology	6,761.00
Lyman W. Morgan Associate Professor of Petroleum Refining Engineering	8,603.00
Carl G. Nordquist Assistant Professor of Economics	7,216.00
Lawrence Ogden Assistant Professor of Geology	6,427.00
Robert B. Osborn Associate Professor of Mathematics	7,756.00
Lute J. Parkinson Professor of Mining Engineering and Head of Department	12,388.00
H. S. Pearson Instructor in Chemistry	5,657.00
Anton G. Pegis Associate Professor of English	7,944.00
William R. Peters Director of Publications	7,888.00
A. L. Pierce Laboratory Assistant in Metallurgy	5,817.00
Theodore W. Pohrte Assistant Professor of Physics	6,594.00
H. Gordon Poole Professor of Metallurgy and Head of Department	12,504.00
Ronald D. Preston Associate Professor of Basic Engineering (Civil Engineering)	7,730.00
John J. Reed Professor of Mining Engineering	10,503.00
W. M. Richtmann Professor of Basic Engineering and Head, Mechanical Engineering Section	10,100.00

John S. Rinehart Professor of Mining Engineering and Director of Mining Research Laboratory	\$14,218.00
James G. Robinson Assistant to the President for Public Relations and Development	9,500.00
Paul A. Rodgers Associate Professor of Geophysics	8,355.00
James L. Sankovitz Editor, Office of Public Information	6,880.00
N. Cyril Schielitz Professor of Metallurgy	10,177.00
Charles M. Shull, Jr. Assistant Professor of Chemistry	7,306.00
George T. Sisson Instructor in Chemistry and Supervisor of Chemistry Stock Room	5,793.00
Francis E. Smiley, Jr. Associate Professor of Basic Engineering (Civil Engineering)	8,067.00
Charles W. Starks Assistant Professor of Chemistry	6,561.00
Garnett Steinhauer Business Manager	13,384.00
Joycelyn Sutherland Documents Librarian	5,084.00
Robert J. Taylor Instructor in Basic Engineering (Engineering Graphics)	5,304.00
John C. Thomas Laboratory Assistant in Petroleum Refining Engineering	5,506.00
David W. Trexler Assistant Professor of Geology	6,475.00
Chancy D. Van Pelt Director of Student Activities	6,804.00

Robert J. Weiner Associate Professor of Geology	\$7,723.00
Arthur P. Wichmann Professor of Metallurgy	9,532.00
Virginia Lee Wilcox Librarian	9,662.00
Art Williams Assistant Professor of Physics	7,522.00
John T. Williams Associate Professor of Chemistry	8,200.00
Curtis E. Wright Budget Officer	6,804.00
W. Lloyd Wright School Physician and Head of Medical Department	5,000.00

Promotions and Changes Within Departments. The following promotions and changes within departments were approved:

Harold Bloom
From Instructor to Assistant Professor of Geology

Edward F. Ferrell
From Assistant Professor of Chemistry to Assistant Professor of Metallurgy

James L. Hall
From Assistant Professor to Associate Professor of Chemistry

John W. Hancock
From Instructor to Assistant Professor of Physical Education

Augustus S. Houghton
From Associate Professor of Chemistry to Associate Professor of Petroleum Refining Engineering

Winton Laubach
From Instructor to Assistant Professor of Mathematics

Oscar H. Lents
From Assistant Professor to Associate Professor of Economics

George B. Lucas
From Assistant Professor to Associate Professor of Chemistry

Francis E. Smiley, Jr.

From Assistant Professor to Associate Professor of
Basic Engineering (Civil Engineering)

New Appointments. The following three additions to the
faculty were approved:

Frank A. Hadsell Assistant Professor of Geophysics	\$7,100.00
Robert Q. Macleay Assistant Professor of Physics	7,800.00
Harry T. Pinnick Assistant Professor of Physics	7,800.00

Salary Brackets. President Vanderwilt presented a new
schedule of salary brackets for approval. The Board approved the
following salary brackets:

<u>Position</u>	<u>Minimum</u>	<u>Maximum</u>
Instructor - - - - -	\$4,500	\$7,200
Assistant Professor - - - -	5,500	8,200
Associate Professor - - - -	7,200	9,200
Professor - - - - -	8,200	Open
Department Heads - - - - -	8,200	Open
P1 - - - - -	3,600	6,700
P2 - - - - -	4,200	7,600
P3 - - - - -	4,500	7,600
P4 - - - - -	6,600	11,000
P5 - - - - -	7,500	11,000
P6 - - - - -	9,000	Open

School Budget, 1961-62. Mr. Steinhauer reviewed the
general figures to be contained in the budget and stated he would
have the final budget figures for approval at the June meeting.

Architect's Contract. Mr. Steinhauer stated that he and
President Vanderwilt had gone to see the governor and asked approval
of the fees being asked by the architect for work on the student
union, fraternity housing, and married student housing. The

governor stated that it was his fixed policy not to approve a fee higher than 3%. Mr. Steinhauer was waiting until Mr. Sudler, the architect, returned to his office within the next week or two to ask him if he would adjust his over-all fee to 3%.

Fraternity Row. Mr. Steinhauer reported that he had been advised by Sigma Nu and Beta Sigma Pi that they were both very much interested in building on fraternity row. He stated that Pi Kappa Alpha would build if money could be obtained from their national. The Sigma Alpha Epsilons and the Kappa Sigmas are holding off committing themselves until they can arrive at some decision about their present houses. Mr. Steinhauer said a meeting was planned for the following week to discuss plans further with fraternity representatives.

The members of the Board felt that plans should be made to go ahead with as many as two or three fraternities, and that the fraternity representatives should be advised that we are going ahead subject to the approval of the IHFA loan.

Mr. Steinhauer reported that he had obtained a time extension on the commitment of funds with IHFA until August 15 when the final application must be submitted.

Mr. Steinhauer was instructed to obtain a realistic estimate of the value of the houses or what they would bring on the open market.

House for PKA Fraternity. As discussed at the March meeting, the Pi Kappa Alpha Fraternity is looking for a house in view of the fact that their house will be razed this summer. The Board approved Mr. Steinhauer's recommendation to offer PKA the house at 1520 Maple or the house at 1420 Maple.

Presidents' Association. There was a brief discussion of the meeting held on May 4 of the boards of control of the state colleges. It was the general opinion that the meeting was worthwhile and future meetings should be planned.

The meeting adjourned at 3:30 p.m.

Assistant Secretary

Golden, Colorado
June 9, 1961

The Board of Trustees met in regular session on June 9, 1961, at 8:30 a.m., in the President's Office at the Colorado School of Mines.

Present: Messrs. Coors, Johnston, and Parker.

Absent: Messrs. Fenwick and Stockmar.

President Vanderwilt attended the meeting.

Dr. Parker, President of the Board, presided.

Bills against the SPECIAL APPROPRIATION, SCHOOL OF MINES TAX FUND, and the EXPERIMENTAL PLANT FUND were examined and allowed as set forth on the following pages Nos. 2 through 10.

June 9, 1961

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #104

4202	Allen, Jimmie L.	411.96
4203	Arbini, Ronald	325.05
4204	Aylar, Maynard F.	401.10
4205	Babcock, Henry A.	471.13
4206	Badgley, Peter C.	487.18
4207	Barb, Clark F.	672.56
4208	Bartunek, Paul F.	543.26
4209	Bauman, Victor W.	365.82
4210	Bisque, Ramon E.	425.17
4211	Bloom, Harold	390.22
4212	Brennecke, Fritz S.	616.42
4213	Bryner, Leonid	398.22
4214	Burdick, H. Dean	586.32
4215	Burger, William V.	572.39
4216	Campbell, Frank R.	493.17
4217	Carpenter, Frederick	513.73
4218	Carpenter, Robert H.	549.43
4219	Chapitis, William J.	430.96
4220	Coke, John M.	570.39
4221	Compton, W. D.	450.45
4222	Courey, Bernetta	371.04
4223	Cook, George S.	366.91
4224	Darden, James	418.21
4225	Darnell, Byron	293.38
4226	Davies, Joseph E.	459.47
4227	Day, Robert E.	416.41
4228	Duska, Walter H.	589.83
4229	Erhart, Harold H.	591.26
4230	Epis, Rudy C.	380.83
4231	Ferrall, Edward F.	356.99
4232	Fisher, Edward G.	426.76
4233	Fletcher, David E.	411.96
4234	Fletcher, Hilbert E.	444.62
4235	Foster, Ruby	402.10
4236	Fox, Leland S.	369.01
4237	Fritts, Paul J.	392.03
4238	Frost, Hildreth Jr.	455.49
4239	Frush, Charles O.	517.07
4240	Fry, Frances L.	324.55
4241	Gary, James H.	715.20
4242	George, John M.	369.38
4243	Gosman, Albert L.	478.06
4244	Gross, Clara C.	407.15
4245	Grosvenor, Niles E.	418.63
4246	Gusy, Wilbur J.	363.35
4247	Gutzman, Raymond R.	455.00
4248	Hall, James L.	344.33
4249	Hancock, John W.	304.83
4250	Hartkemeier, L. W.	521.15
4251	Hasbrouck, Wilfred P.	389.45
4252	Ham, John D.	476.33
4253	Hayes, John R.	551.67
4254	Hebel, Ivan L.	518.27
4255	Hepworth, Malcolm T.	457.43
4256	Hiltrop, Carl L.	406.79

June 9, 1961

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #104

4257	Hollister, John C.	710.77
4258	Houghton, Augustus S.	410.73
4259	Hughes, Richard V.	640.37
4260	Hutchinson, Robert M.	524.97
4261	Johnson, Don H.	403.84
4262	Johnson, George W.	484.76
4263	Johnson, Warren B.	379.42
4264	Johnstone, James G.	450.08
4265	Jordan, A. Raymond	735.71
4266	Jurney, William H.	535.05
4267	Keating, Paul H.	511.65
4268	Keller, George V.	443.14
4269	Kelly, T. A.	576.05
4270	Kelsey, Harry E.	437.99
4271	Kent, Harry C.	375.50
4272	Kline, John V.	516.41
4273	Klugman, Michael A.	441.17
4274	Koehler, Edward C.	183.96
4275	Kuhn, Truman H.	1,015.70
4276	Laubach, Winton	269.06
4277	LeMaire, George W.	560.30
4278	Lantz, Oscar H.	359.80
4279	LeRoy, L. W.	856.54
4280	Long, V. Allen	618.64
4281	Lucas, George B.	447.01
4282	Marsh, Donald C. B.	385.25
4283	Marshall, Scott J.	458.83
4284	Mateer, W. D.	395.32
4285	Mathews, Frank S.	527.11
4286	Merideth, George T.	647.87
4287	Merrin, James	486.15
4288	Milich, Dale	337.80
4289	Moore, Fred E.	376.59
4290	Morgan, Lyman W.	547.16
4291	Nordquist, Carl G.	437.85
4292	Ogden, Lawrence	413.52
4293	Osborn, Robert E.	473.55
4294	Parkinson, Lute J.	733.01
4295	Pearson, R. S.	369.01
4296	Pegis, Anton G.	468.56
4297	Peters, William R.	483.70
4298	Pierce, A. L.	364.07
4299	Pehrte, Theodore W.	428.11
4300	Peole, H. Gordon	779.84
4301	Preston, Ronald D.	522.39
4302	Prince, Lawrence J.	472.75
4303	Reed, John J.	668.37
4304	Richtmann, W. M.	527.48
4305	Rinehart, John S.	844.69
4306	Robinson, James G.	614.13
4307	Rodgers, Paul A.	490.99
4308	Sankovitz, James I.	442.74
4309	Schieltz, N. Cyril	560.45
4310	Shull, Charles H. Jr.	441.61
4311	Sisson, George T.	332.62

June 9, 1961

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #104

4312	Smiley, Francis E., Jr.	490.88
4313	Starks, Charles W.	360.75
4314	Steinhauer, Gurnett	800.16
4315	Sutherland, Joycelyn	292.51
4316	Taylor, Robert J.	354.19
4317	Thomas, John C.	320.36
4318	Trexler, David W.	430.86
4319	Vandervilt, John W	1,158.07
4320	Van Pelt, Chancy D.	410.56
4321	Weimer, Robert J.	468.83
4322	Wichmann, Arthur P.	573.72
4323	Wilcox, Virginia Lee	570.38
4324	Williams, Art	448.82
4325	Williams, John T.	503.59
4326	Wright, Curtis E.	376.96
4327	Wright, W. Lloyd	478.78
TOTAL FACULTY PAYROLL		60,879.43

SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #105

4328	Aldridge, N. Floyd	207.37
4329	Apodaca, Richard M.	217.12
4330	Averill, Margaret S.	123.24
4331	Bain, Miriam W.	288.46
4332	Baker, Thomas J.	319.06
4333	Berthel, William L.	261.04
4334	Bodnar, Cecilia	449.93
4335	Berlin, Avis M.	167.37
4336	Billingham, Charles	275.98
4337	Bliss, Mary Geneva	192.92
4338	Braun, Frank J.	272.54
4339	Brill, Edward	274.94
4340	Britton, Esther	213.19
4341	Brobeck, Harold V.	264.94
4342	Bufmek, Frank	234.48
4343	Burtlow, Cedric Gene	307.06
4344	Bussert, Shirley	235.39
4345	Campbell, Russel E.	341.06
4346	Carison, Phyllis H.	268.39
4347	Carper, Leorabel	212.86
4348	Cerver, Walter E.	228.28
4349	Casedy, Leonard D.	381.98
4350	Chambers, Paul L.	282.21
4351	Childers, Engra M.	312.92
4352	Connor, Rex L.	259.23
4353	Crans, Lida A. A.	190.35
4354	Danley, Clint E.	173.63
4355	Dickens, Earl	414.24
4356	Dillon, Dorothy	203.38
4357	Dillon, Harold Ross	320.37

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SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #105

4358	Dinkmeyer, Elvira	274.57
4359	Dixon, Sara	195.66
4360	Dolan, Francis	347.36
4361	Dollar, Claude E.	228.28
4362	Drake, Ollie L.	181.28
4363	Dugger, Helen	533.27
4364	Dygert, Harold	219.66
4365	Easley, Fred D.	360.40
4366	Eastin, Dick	231.98
4367	Eddlema, Janice C.	240.04
4368	Farmer, Clarence J.	228.28
4369	Fortune, William E.	320.52
4370	Gallegos, Alfred J.	303.32
4371	Geary, Edwin J.	321.52
4372	Gledd, Marlene E.	242.09
4373	Gilchrist, Clarence	215.86
4374	Godfrey, J. H.	246.48
4375	Goodhead, James W.	173.48
4376	Gregory, Clyde G.	350.01
4377	Grewal, Martha H.	262.19
4378	Hansen, Ola E.	209.59
4379	Hatfield, John D.	284.09
4380	Hendrickson, Vernon A.	221.29
4381	Hoffman, Helen M.	190.12
4382	Hofmeister, Edward C.	252.94
4383	Hoskins, Raymond	183.12
4384	Howarter, William H.	233.04
4385	Jenson, Hendrietta O.	235.34
4386	Johnson, Barbara B.	263.28
4387	Johnston, Helen	291.32
4388	Koch, William O.	186.71
4389	Krattli, Tetley	262.23
4390	Kruger, Richard F.	233.86
4391	Kubesh, Josephine	215.04
4392	Lamb, Melanee B.	223.86
4393	Lange, Edward	340.16
4394	Lee, William	323.62
4395	Lietz, Rudolph	297.94
4396	Ljungvall, Donald	294.45
4397	Loving, Orville O.	372.80
4398	Mandiloff, Dean M.	300.92
4399	Mandiloff, Vasil C.	245.48
4400	Marvin, Thomas	225.88
4401	Matthews, Arthur W.	178.80
4402	Mattson, Walter	296.60
4403	McNulty, Susan Lee	204.66
4404	Melcher, Adolf A.	206.69
4405	Master, Chris L.	327.46
4406	Michealis, Harold C.	256.88
4407	Mineff, Peter	261.19
4408	Moore, Onace	221.93
4409	Mandrea, Michael, Jr.	233.28
4410	Nicholls, Clarence	404.65
4411	Nobles, William	202.44
4412	Nordyke, Ina G.	132.21

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SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #105

4413	Obermeyer, Robert H.	235.89
4414	Olear, Thomas F.	325.32
4415	O'Neil, Milton F.	390.55
4416	Paddleford, Mary H.	247.06
4417	Parsons, Von E.	257.48
4418	Partridge, Jesse C.	165.76
4419	Payne, Jesse E.	307.71
4420	Perez, John R.	231.04
4421	Perez, Jose M.	265.68
4422	Peters, Roy V.	216.66
4423	Phillips, Helen K.	224.48
4424	Pickthall, John W.	357.84
4425	Porter, Dorothy M.	260.06
4426	Ratcliff, John B.	334.88
4427	Rheans, Ruth Ann	296.02
4428	Rice, Shirley A.	193.86
4429	Richards, Robert H.	342.52
4430	Robb, Donald	214.86
4431	Rogers, Charlotte C.	202.86
4432	Routh, Carl D.	275.43
4433	Rushton, John E.	232.22
4434	Sackett, Ruth H.	237.49
4435	Schader, Loretta B.	246.39
4436	Schieffelin, Eleanor	283.93
4437	Sieffken, Elizabeth F.	155.77
4438	Simpson, Albert E.	301.12
4439	Simpson, Bert D.	206.46
4440	Simpson, Frances	247.24
4441	Simpson, Minnie	189.49
4442	Slahn, August	173.63
4443	Smith, Mildred	249.74
4444	Spencer, Robert A.	350.36
4445	Stark, Henry C.	261.54
4446	Steffenich, Marvyl I.	272.24
4447	Steih, Otto J.	212.89
4448	Sterling, Mary Ann	292.32
4449	Stopla, Vincent R.	304.60
4450	Teer, Lacy E.	170.22
4451	Thomas, Laverne F.	245.48
4452	Thomas, Luella F.	246.24
4453	Tiedt, John	225.48
4454	Tigner, Judy M.	246.39
4455	Tomsic, Frank J.	212.89
4456	Tracy, Frank A.	335.36
4457	Tripp, Warren	320.52
4458	Underwood, Lavern P.	244.86
4459	Underwood, William V.	246.89
4460	VanDewerker, Letta	247.24
4461	Vaughn, Clarence	213.66
4462	Waters, Ernest E.	405.30
4463	Wendell, David	292.14
4464	Williams, Charlotte	199.51
4465	Zanto, Norma A.	230.39
TOTAL CIVIL SERVICE PAYROLL		35,910.01

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SPECIAL APPROPRIATION

MISCELLANEOUS PAYROLL - Voucher #106

4466	Advincula, Guido G., Jr.	122.84
4467	Amado, Henry	126.66
4468	Arvidson, Arthur	183.15
4469	Bator, George T.	200.00
4470	Bennett, Gary J.	58.68
4471	Bloom, Dumas N.	160.00
4472	Bodh, Jacqueline L.	55.14
4473	Bond, Judy	18.00
4474	Brown, Delmar L.	138.88
4475	Cabrera, R. Ricardo	122.84
4476	Chapin, Charles E.	185.38
4477	Chu, Hsui Fu	122.84
4478	Clausen, Mary S.	45.00
4479	Coolbaugh, David	266.66
4480	Deeg, Marianna	122.84
4481	DeGrazio, Bettie L.	151.40
4482	DeKoster, Gene R.	163.38
4483	Doan, Arthur S., Jr.	185.38
4484	Eisen, Jaime M.	97.52
4485	Fenwick, Beth	198.69
4486	Hill, David P.	138.88
4487	Hyun, Byung Koo	138.88
4488	Jacobson, Jim	148.38
4489	Kanby, Joseph	313.95
4490	Kanby, Louis	324.95
4491	Kang, George	74.72
4492	LaFehr, Thomas	160.00
4493	Landree, Harry K.	82.49
4494	Lebato, Fabiano Sayao	67.14
4495	McPeak, Lawrence A.	122.84
4496	Messmer, Joseph F.	187.92
4497	Michels, Donald E.	138.88
4498	Morris, Donald	67.14
4499	Murty, Raju N.	67.14
4500	Pan, Cheh	122.84
4501	Pan, Poh Hsi	122.84
4502	Pond, Robert A.	58.68
4503	Pritchard, Jane S.	222.92
4504	Remenyik, Tibor K.	138.88
4505	Roberdson, Sheldon	122.84
4506	Rowe, George	142.30
4507	Reybal, Floyd	203.23
4508	Schmitz, Martin	203.23
4509	Seymour, David L.	67.14
4510	Smith, Richard J.	138.88
4511	Srinivasan, G. R.	122.84
4512	Stansberry, William P.	123.27
4513	Thacker, Michael M.	67.14
4514	Thomson, Ker C.	276.14
4515	Van Horn, Horace M.	233.92
4516	Van Poollen, H. K.	170.96
4517	Wang, Yung Liang	122.84
4518	Warner, Don L.	80.00
4519	Wills, Norton A.	30.82

TOTAL MISCELLANEOUS PAYROLL

7,530.30

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SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #106

4520	Alcott, Arthur D.	24.00
4521	Anderson, Phillip R.	3.00
4522	Beatty, Phillip M.	2.50
4523	Bennett, Donald W.	20.00
4524	Boyd, Homer J.	58.00
4525	Brethauer, George	14.50
4526	Buturla, Frank J., Jr.	12.00
4527	Campbell, Terry L.	12.00
4528	Chasis, David	30.00
4529	Cheng, Luis	6.50
4530	Cines, Eugene S.	30.00
4531	Clark, James W.	22.00
4532	Clausen, George S.	30.00
4533	Cook, John	13.50
4534	Cruickshank, M. J.	30.00
4535	Cussen, John H.	15.00
4536	Dassler, Robert G.	30.00
4537	Edstrom, Carl M.	12.00
4538	Edwards, Thomas D.	8.75
4539	Ellis, Walter D.	21.00
4540	Engelhardt, Kenneth L.	17.00
4541	Faeth, Edward	15.00
4542	Fatum, H.	24.00
4543	Glenn, Max	11.50
4544	Griffee, Eugene	21.00
4545	Gust, Joseph E., Jr.	22.00
4546	Hajdu, Desses	28.00
4547	Hershberger, Bruce	8.00
4548	Healy, Bruce A.	42.50
4549	Henry, William A.	30.00
4550	Hoagland, Richard	16.00
4551	Hoefner, Neal A.	11.00
4552	Hohmann, Jerry W.	39.00
4553	Hude, Christian G.	19.00
4554	Hudson, David	18.50
4555	Hytt, Michael V.	28.00
4556	Jahnke, Roger	45.00
4557	Jakobson, Karl S.	11.50
4558	Johnson, Tim	30.00
4559	Jones, Bertram M.	20.50
4560	Kara, Miles L.	30.00
4561	King, C. Thomas	12.50
4562	King, Dennis	28.75
4563	Koch, Robert W.	80.00
4564	Kuhn, Martin G.	30.00
4565	Lebel, Andrew	9.25
4566	Lanz, Terry G.	33.50
4567	Linck, Keith R.	32.50
4568	MacFayden, John D.	22.50
4569	Marsilje, Thomas A.	30.25
4570	Mayadas, Ashok	24.75
4571	McGutchan, Michael E.	22.00
4572	McGill, Mary	30.00
4573	Morris, Donald L.	28.00
4574	Naylor, Ted	36.00

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SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #106

4575	Ogrady, William E.	22.00
4576	Owens, Millard	25.00
4577	Patete, Frank M.	15.50
4578	Patton, Gary M.	34.00
4579	Peterson, Jerry	18.00
4580	Phillips, Patrick E.	32.00
4581	Pond, Robert A.	42.00
4582	Prince, Robert N.	5.00
4583	Rayno, J. R.	27.00
4584	Rice, Patrick	14.00
4585	Riecken, Robert J.	60.00
4586	Rodman, Charles E.	12.00
4587	Rossi, John	18.00
4588	Rothenberg, Richard M.	14.00
4589	Rouse, Jimmy	26.00
4590	Schilling, Glenn	27.50
4591	Seal, Richard	30.00
4592	Sethi, K. B.	30.00
4593	Sharp, J. E.	20.00
4594	Sheth, Kirtikant R.	18.00
4595	Simpson, Purce A.	13.00
4596	Smith, Gerald B.	30.00
4597	Snyres, Gary A.	15.00
4598	Snyder, Don	19.25
4599	See, Mys	15.50
4600	Somers, John B.	21.00
4601	Strain, Charles M.	5.00
4602	Strain, Charles M.	9.00
4603	Suarez, P. Francisco	27.00
4604	Tejera, Frank D.	30.00
4605	Thompson, Mac	24.50
4606	Tin, Maung Theung	22.00
4607	Townsend, Ralph E.	38.00
4608	Trist, Bob	20.00
4609	Vangelisti, Ronald J.	14.00
4610	Volin, Tim	25.00
4611	Wade, Eugene H.	30.00
4612	Walborn, Lawrence E.	25.25
4613	Welch, David A.	1.00
4614	Wheeler, John	45.00
4615	White, Kay	27.00
4616	Wiggins, Ralph A.	19.00
4617	Willhardt, Richard J.	16.00
4618	Williams, Bleecker R.	12.00
4619	Williams, Carl	1.00
4620	Wilson, Terril E.	16.00
4621	Wood, Stephen	19.50
4622	Wright, Robert W.	30.00
4623	Wright, Warren L.	15.00
4624	Zinbeck, Don	30.00
	TOTAL STUDENT HELP PAYROLL	2,407.25
	TOTAL MISCELLANEOUS & STUDENT HELP PAYROLLS	9,937.55

June 9, 1961

SPECIAL APPROPRIATION

DEDUCTIONS ON FACULTY PAYROLL - Voucher #104

Federal Withholding Tax	10,527.63
Colorado Withholding Tax	1,052.77
Retirement	4,756.91
Equitable Life Assurance Society	1,344.00
C.S.M. Federal Credit Union	1,135.06
War Bonds	360.00
Mile High United Funds	84.30

SPECIAL APPROPRIATION

DEDUCTIONS ON CIVIL SERVICE PAYROLL - Voucher #105

Federal Withholding Tax	6,003.70
Colorado Withholding Tax	600.37
Retirement	2,922.16
Blue Cross & Blue Shield	1,081.00
Colorado State Employees' Credit Union	55.00
C.S.M. Federal Credit Union	1,423.52
Civil Service Insurance	105.77
War Bonds	66.25
Mile High United Funds	15.32

SPECIAL APPROPRIATION

DEDUCTIONS ON MISCELLANEOUS PAYROLL - Voucher #106

Federal Withholding Tax	693.40
Colorado Withholding Tax	69.34
C.S.M. Federal Credit Union	<u>93.09</u>

139,116.58

SPECIAL APPROPRIATION

DEDUCTION VOUCHERS

107	State's Share of Retirement	7,469.61
108	Equitable Life Assurance Society	1,287.45

GRAND TOTAL -- PAYROLLS & DEDUCTIONS 147,873.64

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SPECIAL APPROPRIATION

EXPERIMENTAL PLANT PAYROLL - Voucher #109

Crabtree, Edwin H., Jr.	333.90	
TOTAL EXPERIMENTAL PLANT PAYROLL		333.90

SPECIAL APPROPRIATION

DEDUCTIONS ON EXPERIMENTAL PLANT PAYROLL

109	Federal Withholding Tax	81.00
109	Colorado Withholding Tax	8.10
109	Retirement	27.00

SPECIAL APPROPRIATION

DEDUCTION VOUCHER

110	State's Share of Retirement	27.00	
	TOTAL DEDUCTIONS ON EXPERIMENTAL PLANT PAYROLL		143.10
	TOTAL PAYROLL & DEDUCTIONS--EXPERIMENTAL PLANT		477.00

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

2204	Abbey Rents	187.50
2205	Acma Fast Freight, Inc.	9.07
2206	Addressing Machines & Business Equipment Company	10.00
2207	Allen Bearing Supply Company	19.80
2208	Allied Industries, Inc.	295.45
2209	American Institute of Physics, Inc.	99.00
2210	Armstrong Gaster Company	19.68
2211	Autrey Brothers, Inc.	1,508.28
2212	Peter C. Badgley	21.00
2213	Beckman Instruments, Inc.	195.64
2214	Harold A. Bloom	3.92
2215	The Bristol Company	12.95
2216	Charles Bruning Company, Inc.	11.60
2217	H. Dean Burdick	93.49
2218	Carpenter Paper Company	218.32
2219	Carson Brothers	1,052.11
2220	The Central Electric Supply Co.	8.32
2221	The Clipper Manufacturing Co.	33.32
2222	The Colorado Badge & Novelty Co.	113.42
2223	Consolidated Parts Inc.	18.08
2224	Continental Oil Company	66.38

June 9, 1961

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

2225	Contractors Heating & Supply Co.	48.84
2226	Ben Cook Supply Company	293.81
2227	B. H. Cooper Company	212.50
2228	Coyne & Delany Company	10.28
2229	D & G Construction Company, Inc.	297.75
2230	Denoyer-Geppert Company	3.73
2231	Denver Air Machinery Company	6.00
2232	Denver Catering Company	125.00
2233	Denver Electronic Supply Co.	31.50
2234	The Denver Fire Clay Company	218.45
2235	DoAll Denver Company	16.80
2236	Duratex Venetian Blinds	19.20
2237	Duvall-Davison Lumber Company	219.55
2238	Eastman Kodak Stores, Inc.	46.41
2239	Educational & Institutional Cooperative Service, Inc.	23.28
2240	Ehret Engraving Company	37.36
2241	Engis Equipment Company	464.31
2242	The Foss Company	3.07
2243	M. L. Foss Inc.	196.46
2244	Steve Frederick Chevrolet Co.	83.22
2245	Friden, Inc.	208.05
2246	Gates Factory Store, Inc.	99.07
2247	Genuine Parts Company	42.18
2248	The Geophysical Directory	5.00
2249	Golden Laundry-Mat	45.52
2250	Graham Paper Company	145.04
2251	Grimes Pipe & Supply Company	63.70
2252	Gulton Industries, Inc.	38.89
2253	Hank's Gift & Art Shop	41.50
2254	A. E. Heinschm Printing Machinery and Supplies Company	15.86
2255	Hendrie & Bolthoff Company	46.63
2256	International Business Machines Corporation	1,319.00
2257	International Harvester Co.	78.36
2258	Inter-State Radio & Supply Co.	169.25
2259	Walter J. Johnson, Inc.	56.24
2260	J. Klinger	12.92
2261	Truman H. Kuhn	10.92
2262	Lohana & Company	43.49
2263	Lee Sand & Gravel Company	120.00
2264	McMurtry Mfg. Company	8.61
2265	Meyer Hardware & Sporting Goods, Inc.	8.37
2266	Mine and Smelter Supply Company	133.44
2267	Ministry of Power	.76
2268	Moore Business Forms, Inc.	39.80
2269	Mount Vernon Country Club	250.00
2270	The Mountain States Telephone & Telegraph Company	20.65
2271	Muckle Professional Equipment Co.	625.00
2272	Murray Equipment Company	31.20
2273	National Mine Service Company	25.00
2274	O'Neers	38.51
2275	George A. Philbrick Researches, Inc.	1,025.60

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SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

2276	C.S.M. Revolving Fund	134.91
2277	Rhea Lithographing & Envelope Co.	57.66
2278	Rio Grande Company	4.32
2279	Huska Instrument Corporation	1,796.99
2280	Skelly Oil Company	13.50
2281	Snodgrass & Smith Co. Sales & Service	18.58
2282	Society of Petroleum Engineers of AD&S	2.50
2283	Sondia & Bronalle	51.83
2284	Spivak Artists' Supply Company	10.58
2285	State Purchasing Agent--Revolving Fund No. 2101	2.75
2286	Strawn's	60.57
2287	Technical Equipment Corporation	48.00
2288	Transmission Gear & Joint Co.	14.40
2289	Transport Clearings of Colorado, Inc.	82.69
2290	United States Department of Agriculture	60.00
2291	United States Welding Works Co., Inc.	4.03
2292	United Tool & Material Company	190.80
2293	The University Club	94.50
2294	Van Waters & Rogers, Inc.	5,023.61
2295	Weiner Brothers Company	343.54
2296	The Welch Scientific Company	31.25
2297	Wenger Music Equipment Company	137.90
2298	Williams & Associates, Inc.	209.83
2299	The Winter-Weiss Company	768.75
2300	Workman Studio Photographers	64.50
	TOTAL SUPPLY VOUCHERS	20,351.40

SPECIAL APPROPRIATION

SUPPLY VOUCHERS

125	Colorado Central Power Company	2,815.61
126	The Denver Brick & Pipe Company	460.20
132	The Denver Fire Clay Company	76.40
133	Dresser Electronics	163.40
134	The Duvall-Devision Lumber Company	71.25
135	The Foss Company	1.74
136	M. L. Foss, Inc.	21.16
137	Hendrie & Bolthoff Company	21.40
138	Hicks-Denver Company	43.25
139	Johnson Service Company	51.24
140	Harry E. Kelsey	8.19
141	Dans Kepner Company	31.25
142	The Kohler McLister Paint Co.	528.51
143	Chicago, Burlington & Quincy Railroad Company	136.95
144	Lehane & Company	950.00
145	The McMurtry Mfg. Company	60.66
146	Meyer Hardware & Sporting Goods, Inc.	3.95

SPECIAL APPROPRIATION

SUPPLY VOUCHERS

147	Mine and Smelter Supply Company	19.00
148	Moore Business Forms, Inc.	211.07
149	Murray Equipment Company	31.28
150	Public Service Company of Colorado	85.25
151	Purity Textiles	297.49
152	Radio Shack Corporation	3.74
153	J. A. Senauer Mfg. Co., Inc.	25.06
154	The W. S. Tyler Company	30.81
155	Van Waters & Rogers, Inc.	101.55
156	Weiner Brothers Company	703.40
	TOTAL SUPPLY VOUCHERS	6,953.81

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

1946	Hutchinson Bag Corporation	12.50
1947	Arthur J. Hurt & Company	271.18
1948	Huntington Laboratories Inc.	69.00
1949	The Holland House	24.50
1950	H. Hoffman Company	24.23
1951	A. B. Hirschfeld Press, Inc.	11,700.15
1952	Hicks-Denver Company	234.00
1953	Hewlett Packard	151.57
1954	Herbach & Rademan, Inc.	59.50
1955	Hendrie & Bolthoff Company	1,072.07
1956	John D. Hawn	76.29
1957	Harry Hansen, Inc.	24.00
1958	Jack Hancock	49.00
1959	Hall-Sears, Inc.	1,439.62
1960	Hale & Perry Paints, Inc.	95.76
1961	Grinnell Company	26.48
1962	Grieger's, Inc.	32.00
1963	The Bail Greiner Company	190.78
1964	W. W. Grainger, Inc.	63.39
1965	Golden Service Station	7.84
1966	Golden Laundry-Mat	86.96
1967	Globe Ticket Company of California	23.30
1968	Gilbert Gilkes & Gordon Ltd., Mendal	330.00
1969	Geological Society of Sacramento	3.00
1970	Genuine Parts Company	220.16
1971	General Electric Company	20.52
1972	General Electric Company	16.60
1973	General Binding Corporation & Subsidiaries	43.38
1974	The Gaertner Scientific Corporation	261.00
1975	Charles O. Frush	50.28
1976	Fredericks Fabrics, Inc.	1.99
1977	Foster Auto Supply Company	111.15

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SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

1978	M. L. Foss, Inc.	2,649.06
1979	The Foss Company	455.31
1980	Flint Ink Corporation	5.35
1981	Pistall's Electronics Supply Company	2.16
1982	Federal Products Corporation	4.45
1984	Farm Chemical Company	4.00
1985	Examinations Committee	3.64
1986	Engis Equipment Company	279.60
1987	Elliott-Schmidt Electric Supply Co.	40.68
1988	Eik Coal Company	2,660.80
1989	Electric Steel Foundry Company	47.17
1990	Ehret Engraving Company	175.00
1991	Edmund Scientific Company	8.50
1992	Eastman Kodak Stores, Inc.	2.70
1993	Eastern Industries	194.50
1994	H. H. Earhart	16.66
1995	A. G. Eaker Company	15.88
1996	Duvall-Devison Lumber Company	31.85
1997	Duratex Venetian Blinds	158.32
1998	Dudley Lock Corporation	31.58
1999	Ions Dorsey	7.00
2000	DoAll Denver Company	62.15
2001	Di Eugenio Tool Center, Inc.	28.00
2002	Earl Dickens	1.82
2003	Denver Wood Products Company	90.38
2004	Denver Reproductions, Inc.	42.08
2005	The Denver Oxygen Company	9.50
2006	Denver Cut Stone Company	72.00
2007	Denver Air Machinery	1,248.41
2008	The Dental Specialty Company	.85
2009	Denoyer-Geppert Company	61.25
2010	James Darden	75.74
2011	W. H. Curtin & Company	23.10
2012	The Craig Bit Company, Limited	21.89
2013	Coors Porcelain Company	87.00
2014	Max Cook Sporting Goods Company	35.20
2015	Ben Cook Supply Company	327.23
2016	Continental Air Lines, Inc.	252.55
2017	Contact Electronics, Inc.	26.52
2018	Consolidated Parts, Inc.	9.48
2019	Colorado Visual Aids Supply Co. & Camera Shops	31.50
2020	Colorado Surplus Property Agency	140.18
2021	Colorado State Penitentiary	168.00
2022	Colorado and Southern Railway Co.	33.60
2023	Colorado Metal Plating Works	7.00
2024	Colorado Engraving Company	34.27
2025	Colorado Central Power Company	3,102.34
2026	College Physical Education Assoc.	5.00
2027	Mel Coffman Associates, Inc.	17.88
2028	Cinder Concrete Products, Inc.	449.47
2029	Ross Chivers Sports	122.60
2030	Central Scientific Company	488.77
2031	Central Magazine Co., Inc.	386.88

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SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

2032	Central Electric Supply Company	23.68
2033	Carson Brothers	136.38
2034	Carpenter Paper Company	8.77
2035	Robert H. Carpenter	83.09
2036	Casper Bussert Service	15.00
2037	Business Forms, Inc.	34.70
2038	John C. Burt Insurance Agency	10.00
2039	William V. Burger	33.74
2040	H. Dean Burdick	42.60
2041	Buckley Explosives of Colorado	1,407.28
2042	Charles Bruning Company, Inc.	40.74
2043	Brake and Clutch Service Company	7.44
2044	Lou Bowlds	129.00
2045	"Stu" Beresford, Inc.	278.45
2046	Bausch & Lomb Incorporated	7.06
2047	Baroid Division -- National Lead Co.	57.45
2048	Begusster Company	15.26
2049	Bacon & Schramm, Inc.	54.45
2050	Waynard F. Aylor	6.16
2051	Autrey Brothers, Inc.	420.00
2052	Atlantic Distributing Company	22.50
2053	Applied Handling, Inc.	428.00
2054	Andrew Technical Supply Company	4.20
2055	American Society for Testing Materials	53.00
2056	American Optical Company	625.00
2057	American Linen Supply Company	329.81
2058	American La France Fire Protection Co.	504.10
2059	American Institute of Physics	26.75
2060	American Geophysics Union, Dr.	296.00
2061	American Association of Petroleum Geologists, Inc.	7.50
2062	Allied Radio Corporation	24.20
2063	Addressograph-Multigraph Corporation	207.45
2064	Acme Chemical Company	198.25
2065	Zep Manufacturing Corporation	340.75
2066	X L Directory Service	40.66
2067	Curtis E. Wright	13.72
2068	Workman Studio	6.00
2069	The Winter-Weiss Company	48.25
2070	Wilson & Garden Ltd.	59.29
2071	Western Supply Company of Oklahoma	143.30
2072	The Western Seed Company	179.40
2073	Western Powder Company	220.00
2074	Western Association of College & University Business Officers	40.00
2075	West Chemical Products, Inc.	123.75
2076	The Welch Scientific Company	167.75
2077	Weaver Electric Company	36.60
2078	Wards Natural Science Establishment, Inc.	11.00
2079	Ward Terry and Company	2.40
2080	Art Weis	23.00
2081	L. B. Walker Radio Company	7.81
2082	Rudolf Von Huene	163.20
2083	Varsity Corporation	73.50

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

2084	Van Waters & Rogers, Inc.	1,883.28
2085	John W Vanderwilt	5.46
2086	United Tool & Material Company	39.34
2087	United States Welding Works Co., Inc.	139.93
2088	United States Geological Survey	109.36
2089	The United Materials, Inc.	573.00
2090	United Air Lines	245.67
2091	Union Supply Company	2.46
2092	Union Gasket & Packing Company	3.50
2093	Underwood Corporation	37.40
2094	Transport Clearings of Colorado, Inc.	21.21
2095	Transmission Gear & Joint Company	14.84
2096	Trans-Con Exploration, Inc.	50.00
2097	Thermo-Fax Sales of Colorado, Inc.	392.58
2098	Texaco, Inc.	1.53
2099	Technical Equipment Corporation	373.88
2100	Taylor Instrument Companies	8.74
2101	Surplus Tools & Commodities	9.50
2102	Suburban Press	165.75
2103	Submerged Combustion, Inc.	350.00
2104	G. H. Stuart Company	5.00
2105	Stram's	287.85
2106	Gurnett Steinhauer	20.16
2107	Stechert-Hafner, Inc.	111.49
2108	State Purchasing Agent--Revolving Fund 2101	1,129.03
2109	Spivak Artists' Supply Co.	5.95
2110	Spex Industries, Inc.	80.00
2111	Sondie & Bronelle	72.15
2112	Society of Petroleum Engineers of AIME	75.00
2113	Smith-Brooks Printing Company	100.60
2114	Francis E. Smiley, Jr.	40.20
2115	Sinclair Refining Company	583.65
2116	Silver State Printers	97.35
2117	Serv-All Parts Company	26.63
2118	Scribbler's Book Company	190.31
2119	Scientific Kit Company	26.86
2120	Charles M. Schzyer	36.40
2121	Sanitary Specialties Company	208.49
2122	Sechs-Lawlor	17.90
2123	Ryall Electric Supply Company	105.45
2124	Royal McRae Corporation	949.31
2125	Milton Roy Company	425.00
2126	Roll-A-Liner Company	10.50
2127	William A. Rogers, Inc.	57.11
2128	Charlotte G. Rogers	3.64
2129	John Rinshert	12.25
2130	Riley's Reproductions	36.33
2131	Richards Machine Shop	23.28
2132	Regal Plastic Supply Company	6.45
2133	Rhea Lithographing & Envelope Co.	251.78
2134	G.S.M. Revolving Fund	1,207.24
2135	Republic Flow Meters Company	55.05
2136	Rare Earth Research Group	10.00
2137	Radio Shack Corporation	34.68

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

2138	Purity Textiles	145.55
2139	Public Service Company of Colorado	585.97
2140	Propper Thread Company, Inc.	8.13
2141	Precision Equipment Company	64.62
2142	The Harry H. Post Company	704.19
2143	Foindexter Electric Company	186.80
2144	Plasticrafts, Inc.	74.78
2145	Pioneer Auto Wrecking Company	33.71
2146	John Pickthall	11.83
2147	Photostat Corporation	13.68
2148	Petroleum Information Corporation	899.62
2149	William R. Peters	22.68
2150	Roy V. Peters	45.15
2151	The Fearless Printing Company	725.00
2152	Frank Paxton Lumber Company	3,177.72
2153	Patterson Supply Company	2.60
2154	The Pascoe Electric Company	17.50
2155	Paramount Cleaners	155.15
2156	Packaging Corporation of America	41.63
2157	Otis Elevator Company	18.98
2158	O'Meara	42.21
2159	Lawrence Ogden	36.12
2160	National Mine Service Company	25.00
2161	Mutual Furniture & Fixture Co.	222.40
2162	Murray Equipment Company	67.81
2163	The Mountain States Telephone & Telegraph Company	1,812.28
2164	Mountain States Insurance Agency, Inc.	1,391.02
2165	Motor Car Pool--Revolving Fund	112.52
2166	Montgomery Ward & Company	152.85
2167	Modern Plastics	18.00
2168	Modern Graphic Studio	56.00
2169	Minneapolis-Honeywell Regulator Co.	411.60
2170	Mine and Smelter Supply Company	675.41
2171	Mine Safety Appliances	226.70
2172	Mayer Hardware and Sporting Goods, Inc.	15.12
2173	W. S. McGill	28.41
2174	Scott J. Marshall	87.78
2175	J. A. McGrew Supply Company	13.91
2176	Love & Campbell Athletic Goods	21.00
2177	L. W. Lefoy	39.90
2178	The Frank Lenon Company	24.00
2179	Leeds & Northrup Company	475.00
2180	The Larsen Kilpatrick Company	110.00
2181	Edward W. Lange	8.47
2182	Lahana & Company	400.00
2183	Lafayette Radio Electronics Corp.	7.60
2184	The Kohler McLister Paint Company	33.90
2185	Klondex Incorporated	81.54
2186	R. F. Kincheloe Company	36.43
2187	Kistler's	125.60
2188	Kinney Vacuum Division--The New York Air Brake Company	150.00
2189	Kauffel & Esser Company	98.50

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SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

2190	The Kendrick-Bellamy Company	7.13	
2191	Joy and Cox, Inc.	62.62	
2192	Walter J. Johnson, Inc.	134.98	
2193	Jensen Paper Company	120.30	
2194	Jeffco Engineering Supply Company	91.00	
2195	Jerrell-Ash Company	18.85	
2196	Jackson Street Tire Shop	459.28	
2197	L. K. L. Typewriter Company	180.00	
2198	Inter-State Radio & Supply Co.	130.61	
2199	Interscience Publishers, Inc.	10.69	
2200	International Business Machines Corporation	1,033.12	
2201	Institutions Magazine	10.00	
2202	Ideal Pictures	162.00	
2203	Idaho Springs Lumber Company	32.99	
	TOTAL SUPPLY VOUCHERS		65,433.90

SPECIAL APPROPRIATION - 1933-52

111	Colorado Office Supply, Inc.	15.90	
112	Colorado School of Mines Research Foundation, Inc.	4,153.62	
113	Colorado Surplus Property Agency	97.26	
114	Eastman Kodak Stores, Inc.	12.60	
115	General Radio Company	100.50	
116	Heise Bourdon Tube Company, Inc.	254.50	
117	Rockmont Envelope Company	1.59	
118	Spex Industries, Inc.	391.37	
119	The Western Belting Company, Inc.	13.33	
	TOTAL SPECIAL APPROPRIATION - 1933-52		5,040.67

EXPERIMENTAL PLANT FUND - 3026

10	G.S.M. Research Foundation, Inc.	139.59	
	TOTAL EXPERIMENTAL PLANT FUND		139.59

Previous Minutes. The minutes of the meeting held on May 12, 1961 were approved.

New Faculty Appointments. President Vanderwilt reviewed the qualifications of a new faculty appointment for the Economics Department. The Board approved the appointment as follows:

Jack H. Gere	\$5,500
Instructor in Economics	

President Vanderwilt also briefly reviewed the qualifications of a prospective staff appointee for the Metallurgy Department, Dr. J. D. Lubahn. Dr. Lubahn's specialties are the deformation and fracture of metals, and applied mathematics and mechanics. The administration recommended that Dr. Lubahn be appointed Professor of Metallurgy and Director of a Materials Research Laboratory at a salary of \$11,000 per school year. The Board left the final decision to the administration.

Advisory Group. The idea of having an advisory group as discussed by the Board more than a year ago was again brought up. Several suggestions were discussed relative to the selection and operation of such a group who would review the curricula with respect to present and future needs for the changes to be expected in the mineral engineering fields.

The Board asked President Vanderwilt to submit a plan for the organization and continuity of an advisory group, together with suggestions for the initial membership. It was felt that the plan should be in effect by September, 1961.

Cooperative Agreement. U. S. Bureau of Mines - CSM. The extension to the cooperative agreement between the United States of America, acting through the Bureau of Mines, and the Colorado School of Mines, dated July 1, 1956, was presented for signature by Dr. Parker as President of the Board. The agreement provided for arrangements which would allow graduate students to work at the Bureau of Mines on problems of mutual interest.

Dr. Parker signed the original and six copies of the extension.

Advanced Research Projects Agency. President Vanderwilt reported that following the expression of views at the May meeting, Dean Jordan and Professor Hollister had gone to Washington, D. C. to attend a meeting which dealt with the establishment of a research and evaluation center for geophysical research and development (VELA UNIFORM program). According to information received at this meeting, the requirements were such that only three or four schools in the United States could qualify. One requirement was a

need for fifteen scientists in the seismic field who would be available immediately. The administration and Professor Hollister felt the school should not submit an application.

Geophysical Observatory - Seismic Station. President Vanderwilt reported that on April 18, 1961, the Geophysics Department had been advised by Dr. Rutlage J. Brazee, acting for the Advanced Research Projects Agency (ARPA), that the school had been selected as one of the first five places to locate a seismograph station. The station, to be one of an eventual 125 station world-wide network of stations, would be a part of the VELA UNIFORM program for distinguishing between underground nuclear explosions and earthquakes in policing an international ban on the testing of nuclear devices. Professor Hollister and his staff are strongly in favor of establishing a seismic station and recommend the use of funds contributed by Dr. Cecil Green to the department for the construction of the building to house the equipment.

President Vanderwilt stated that the need for a seismic station had been discussed on previous occasions and although it was agreed that this would be a material benefit to the Geophysics Department and the school, the cost of establishing such a station had placed it beyond reach of the funds appropriated for purchase of equipment.

Under the VELA UNIFORM program, the ARPA will furnish through the U. S. Coast and Geodetic Survey all the instrumentation to outfit a long period and a short period three-component seismograph system. It would be up to the school to furnish a building 20 ft. by 30 ft. which will contain a vault, preferably an underground vault, plus an operations building 20 ft. by 21 ft. It would also be the responsibility of the school to furnish a station tender for a period of an hour or two a day.

Dean Jordan felt that in addition to our contribution to national defense, our participation in this project would be proper and highly desirable because of the recent emphasis upon earth physics. Eventual activities of the proposed geophysical observatory will include the continuous recording of earth tides by a gravity meter, of geomagnetic perturbations and of telluric currents as well as of seismic disturbances. Measurements made at the observatory may become the source of many graduate research projects.

It was recognized that a seismic station would result in great benefit to the curriculum of the Geophysics Department and related earth sciences. The Board concluded it was proper and desirable to extend the activities of the Geophysics Department, now virtually limited to exploration geophysics, into the broader aspects of earth physics and concurred with the administration that the proposed seismic station be a part of the laboratory facilities of the Geophysics Department.

June 9, 1961

It was moved, duly seconded, and unanimously passed that the Colorado School of Mines accept the seismic equipment offered by ARPA for the establishment of the seismic station and the responsibilities of carrying out the program of continuing seismic studies; that the seismic station be established as an integral and permanent part of the laboratory facilities of the Geophysics Department to broaden the undergraduate and graduate course offerings and research in the Geophysics Department.

July Meeting Date. Because President Vanderwilt would be out of the city on the morning of July 14, it was decided that the July Board meeting would be held at 1:00 p.m. on July 14.

Mr. Steinhauer entered the meeting at this time.

Monthly Reports. The following monthly reports were distributed: Summary of Budget Appropriation & Disbursements, as of May 31, 1961; Balance Sheet, May 31, 1961; Mill Levy Building Fund, as of May 31, 1961; Experimental Plant, Summary of Budget Appropriation & Disbursements, as of May 31, 1961; Dining Hall, from April 23, 1961 through June 27, 1961; College Union Fund, Summary of Budget Appropriations and Disbursements, as of May 31, 1961; Statement of Income and Expense, as of May 23, 1961; Mines Park, Summary of Budget Receipts & Disbursements, as of May 23, 1961; Prospector Park, Statement of Income & Expense, as of May 23, 1961; Statement of Income & Expense, Mines Bradford Hall and New Dormitory, as of May 23, 1961; Statement of Income & Expense, C.S.M. Houses - Group #1, as of May 23, 1961; Statement of Income & Expense, C.S.M. Houses - Group #2, as of May 23, 1961; Statement of Income & Expense, Mines Park Houses, 29-36 inclusive, as of May 23, 1961; Summary of Budget Receipts & Disbursements, Mines Park Houses, 29-36 inclusive, as of May 23, 1961; Statement of Income & Expense, C.S.M. Houses Group #1 & Mines Park Houses, 29-36 inclusive, as of May 23, 1961; Statement of Income & Expense, Associated Students of the Colorado School of Mines, Inc., May 31, 1961; Budget Period, 1960-61 Health and Accident Plan, Associated Students of the Colorado School of Mines, Inc., May 31, 1961; and Athletic Association, Summary of Budget Appropriations and Disbursements, as of May 20, 1961.

Auditor's Report. Mr. Steinhauer reported that Mr. E. G. Spurlin, State Controller, had spent some time at the school reviewing the funds questioned by the State Auditor. Mr. Spurlin generally favored re-appropriating for the proposed housing projects those funds which originated from self-liquidating projects or housing purchased with income from such projects.

In view of the Attorney General's opinion dated April 11, 1961 there was no question about the Dining Hall funds except for an item of approximately \$10,000 which had been paid in salary to

the manager from state funds. Mr. Spurlin was recommending that the school reimburse the state this amount.

Mr. Spurlin stated there was no question about the College Union funds and there was no requirement that this be deposited with the State Treasurer.

Final arrangements would have to await official notice from Mr. Spurlin and the Joint Budget Committee.

Mr. Spurlin also stated that he had been requested by the Joint Budget Committee to obtain an opinion from the Attorney General as to the constitutionality of the school's fraternity housing proposal, whether or not these fraternity houses could be built on state land and whether or not the state could use its credit to borrow money to build fraternity houses.

Clay Pit Area - Fraternity Row. Mr. Steinhauer reported that Mr. Williams, the staff director of the Planning Division, had asked that we submit an application to the Planning Division for site preparation in the amount of \$70,000 and that we submit an amended request in September. Mr. Steinhauer stated that the architect will have to submit his preliminary plans by August 15 to go with our formal application to the HHFA.

With regard to fraternity row, Mr. Steinhauer reported that originally we had asked reservation of funds for six houses. Since that time, Pi Kappa Alpha had withdrawn from the program, and several others are undecided. The second project application is for four fraternity houses, married student housing, and the college union.

Dr. Parker was authorized to sign a project application covering site preparation in the amount of \$70,000; also, a project application for the construction of 75 married student apartments, college union, and four fraternity houses in the amount of \$2,295,000.

1961-62 Budget. Mr. Steinhauer distributed copies of a proposed budget for 1961-62 in the amount of \$2,380,330. He stated he had attempted to make the individual items match the state recommendations. On motion made, seconded, and unanimously passed, the budget was approved subject to minor changes which were discussed.

1961-62 Budget - Associated Students. Mr. Steinhauer stated that several years ago it was decided that the school authorities should approve the budget of the Associated Students inasmuch as the school has the final responsibility for these funds.

After a brief review, it was moved, seconded, and passed that the budget for the Associated Students in the amount of \$22,400 be approved.

Vivian Property. Mr. Steinhauer summarized for the Board the court action on May 29 relative to the acquisition of the Vivian property. Mr. Vivian had filed an Answer to the Petition in Condemnation wherein he asserted that there had been no failure to agree upon the compensation to be paid for the property. From Mr. Steinhauer's testimony, the court made a finding that negotiations had been conducted, that reasonable effort had been made to purchase the property, and that there had been, in fact, a failure to agree upon the compensation to be paid, and ordered the school to proceed with the action.

A hearing was set for July 3 at which time the school must show to the satisfaction of the court that immediate possession is required in order that we can proceed with the science building

Mr. Steinhauer stated that he was going to ask for the property by September 1 and that he would write a voucher from mill levy funds in the amount of \$19,500 to deposit with the court.

Pi Kappa Alpha Housing. Mr. Steinhauer reviewed the recommendation which he made at the last Board meeting regarding making the house at 1520 Maple available for the PKA fraternity. This house is presently occupied by Professor Frank Mathews. Professor Mathews had asked that the matter be reconsidered and that he be allowed to stay in the house.

It was moved, seconded, and unanimously passed that the school take whatever action necessary to make the house at 1520 Maple available for the PKA fraternity by September 1.

Houses on Science Building Site. It was agreed that the houses on the half-block to be used for the construction of the new science building should be put up for bid, if sale was considered feasible. Mr. Steinhauer was authorized to investigate and make arrangements for sale if it seemed advantageous to the school.

Presidents' Association. President Vanderwilt reviewed the meeting held on May 16 and stated that the Association was meeting on June 20 and June 21 to discuss budget analysis.

The meeting adjourned at 12:45 p.m.

Secretary

Golden, Colorado
July 14, 1961

The Board of Trustees met in regular session on July 14, 1961, at 1:00 p.m., in the President's Office at the Colorado School of Mines.

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

Absent: Mr. Coors.

President Vanderwilt attended the meeting.

Dr. Parker, President of the Board, presided.

Bills against the SPECIAL APPROPRIATION, TAX FUND, 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 12, inclusive.

July 14, 1961

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #120

4625	Allen, Jimmie L.	410.24
4626	Arbini, Ronald	323.33
4627	Ayler, Maynard F.	401.10
4628	Babcock, Henry A.	469.41
4629	Badgley, Peter C.	485.46
4630	Barb, Clark F.	670.84
4631	Bartunek, Paul F.	541.34
4632	Bassman, Victor W.	364.10
4633	Bisquit, Ramon E.	423.45
4634	Bloom, Harold	388.50
4635	Brennecke, Fritz S.	616.42
4636	Bryner, Leonid	396.50
4637	Burdick, H. Dean	584.60
4638	Burger, William V.	570.67
4639	Campbell, Frank R.	491.45
4640	Carpenter, Frederick	512.01
4641	Carpenter, Robert H.	547.71
4642	Chapitis, William J.	429.24
4643	Coke, John M.	568.67
4644	Compton, W. D.	448.73
4645	Conroy, Bernatta	370.54
4646	Cook, George S.	366.41
4647	Darden, James	416.49
4648	Davies, Joseph E.	457.75
4649	Day, Robert B.	414.69
4650	Dunke, Walter H.	588.11
4651	Earhart, Harold H.	590.76
4652	Epis, Rudy C.	379.11
4653	Ferrell, Edward F.	355.27
4654	Fisher, Edward G.	425.04
4655	Fletcher, David E.	410.24
4656	Fletcher, Hilbert E.	442.90
4657	Foster, Ruby	401.60
4658	Fox, Leland S.	367.29
4659	Fritts, Paul J.	390.31
4660	Frost, Hildreth, Jr.	453.77
4661	Frush, Charles O.	515.35
4662	Fry, Frances L.	322.83
4663	Gary, James H.	713.48
4664	George, John H.	367.66
4665	Gosman, Albert L.	476.34
4666	Gross, Clara C.	406.65
4667	Grosvenor, Niles E.	416.91
4668	Guay, Wilbur J.	361.63
4669	Gutzman, Raymond R.	453.28
4670	Hall, James L.	343.83
4671	Hancock, John W.	383.11
4672	Hartkemeier, L. W.	520.65
4673	Hasbrouck, Wilfred P.	387.73
4674	Haun, John D.	474.61
4675	Hayes, John R.	549.95
4676	Habel, Ivan L.	516.55
4677	Hepworth, Malcolm T.	455.71
4678	Hiltrop, Carl L.	272.39
4679	Hollister, John C.	709.05

July 14, 1961

SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #120

4680	Houghton, Augustus S.	409.01
4681	Hughes, Richard V.	638.65
4682	Hutchinson, Robert H.	523.25
4683	Johnson, Don H.	402.12
4684	Johnson, George W.	483.04
4685	Johnson, Warren B.	377.70
4686	Johnstone, James G.	448.36
4687	Jordan, A. Raymond	733.99
4688	Jurney, William H.	533.33
4689	Keating, Paul H.	511.15
4690	Keller, George V.	441.42
4691	Kelly, T. A.	574.33
4692	Kelsey, Harry E.	436.27
4693	Kent, Harry C.	373.78
4694	Kline, John V.	516.41
4695	Klugman, Michael A.	439.45
4696	Kochler, Edward C.	183.96
4697	Kuhn, Truman H.	1,013.98
4698	Laubach, Winton	268.56
4699	LeMaire, George W.	558.58
4700	Lantz, Oscar H.	336.08
4701	LeRoy, L. W.	854.82
4702	Long, V. Allan	616.92
4703	Lucas, George B.	446.51
4704	Marsh, Donald C. B.	384.75
4705	Marshall, Scott J.	406.59
4706	Mataer, W. D.	393.60
4707	Mathews, Frank S.	525.39
4708	Merideth, George T.	646.15
4709	Merrin, James	484.43
4710	Milich, Dale	337.30
4711	Moore, Fred E.	376.09
4712	Morgan, Lyman W.	545.44
4713	Nordquist, Carl G.	436.13
4714	Ogden, Lawrence	411.80
4715	Osborn, Robert B.	471.83
4716	Parkinson, Lute J.	732.51
4717	Pearson, R. S.	367.29
4718	Pegis, Anton G.	466.84
4719	Peters, William R.	481.98
4720	Pierce, A. L.	362.35
4721	Pohrte, Theodore W.	400.87
4722	Poole, H. Gordon	778.12
4723	Preston, Ronald D.	520.67
4724	Prince, Lawrence J.	471.03
4725	Reed, John J.	666.65
4726	Richtmann, W. H.	509.66
4727	Rinehart, John S.	842.97
4728	Robinson, James G.	612.41
4729	Rodgers, Paul A.	489.27
4730	Sankovitz, James L.	453.74
4731	Schieltz, H. Cyril	558.73
4732	Shull, Charles M., Jr.	439.89
4733	Sisson, George T.	330.90
4734	Smiley, Francis E., Jr.	489.16

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SPECIAL APPROPRIATION

FACULTY PAYROLL - Voucher #120

4735	Starks, Charles W.	359.03
4736	Steinhewer, Burnett	798.44
4737	Sutherland, Joycelyn	290.79
4738	Taylor, Robert J.	354.19
4739	Thomas, John C.	319.86
4740	Trexler, David W.	429.14
4741	Vandervilt, John W.	1,156.35
4742	Van Pelt Chancy D.	410.56
4743	Weimer, Robert J.	467.11
4744	Wichmann, Arthur P.	572.00
4745	Wilcox, Virginia Lee	569.88
4746	Williams, Art	448.32
4747	Williams, John T.	501.87
4748	Wright, Curtis E.	375.24
4749	Wright, W. Lloyd	477.06
TOTAL FACULTY PAYROLL		60,168.01

SPECIAL APPROPRIATION

FACULTY SUMMER SCHOOL PAYROLL - Voucher #120

4750	Arbini, Ronald	92.23
4751	Babcock, Henry A.	619.07
4752	Badgley, Peter C.	583.33
4753	Barb, Clark F.	856.06
4754	Beatty, P. M.	206.44
4755	Chapitis, William J.	276.69
4756	Day, Robert B.	477.21
4757	Eisen, Jaime	160.40
4758	Epic, Rudy C.	490.08
4759	Fisher, Edward G.	368.92
4760	Frost, Hildreth, Jr.	526.07
4761	Frush, Charles O.	609.14
4762	Gary, James H.	879.50
4763	Grogan, M. I.	103.21
4764	Grosvenor, Niles E.	569.23
4765	Hasbrouck, Wilfred P.	499.04
4766	Haun, John D.	630.64
4767	Hayes, John R.	707.75
4768	Hollister, John C.	881.14
4769	Johnson, Warren B.	368.92
4770	Johnstone, James G.	572.82
4771	Keating, Paul K.	172.41
4772	Kelly, T. A.	787.00
4773	McPeck, Lawrence	158.80
4774	Preston, Ronald D.	599.29
4775	Rodgers, Paul A.	641.71
4776	Rouse, Jimmie Vay	206.44
4777	Smiley, Francis E., Jr.	613.62
4778	Wichmann, Arthur P.	739.51
TOTAL FACULTY SUMMER SCHOOL PAYROLL		14,396.67

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SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #121

4779	Aldridge, M. Floyd	207.37
4780	Apodaca, Richard M.	217.12
4781	Averill, Margaret S.	123.24
4782	Bain, Miriam W.	288.46
4783	Baker, Thomas J.	398.17
4784	Barthel, William L.	261.04
4785	Barlin, Avis M.	95.32
4786	Billingham, Charles	275.98
4787	Bliss, Mary Geneva	192.92
4788	Bodh, Jacqueline L.	207.86
4789	Braun, Frank J.	272.54
4790	Brill, Edward	506.88
4791	Britton, Esther	213.19
4792	Brobeck, Harold V.	264.94
4793	Buffak, Frank	234.48
4794	Burtlow, Cedric Gene	307.06
4795	Bussart, Shirley	233.39
4796	Campbell, Russel E.	616.88
4797	Carlson, Phyllis H.	268.39
4798	Carper, Leorabel	212.86
4799	Carver, Walter B.	228.28
4800	Casady, Leonard D.	376.97
4801	Chambers, Paul L.	282.21
4802	Childers, Hagra M.	312.92
4803	Connor, Rex L.	259.23
4804	Crane, Lidia A. A.	190.35
4805	Danley, Clint E.	173.63
4806	Dickens, Earl	414.24
4807	Dillon, Dorothy	193.88
4808	Dillon, Harold Ross	320.37
4809	Dinkmeyer, Elvera	274.57
4810	Dixon, Sara	195.66
4811	Dolan, Francis	347.36
4812	Dollar, Claude E.	228.28
4813	Drake, Ollie L.	181.28
4814	Dygert, Harold	219.66
4815	Easley, Fred D.	360.40
4816	Eastin, Dick	231.98
4817	Eddleman, Janice C.	240.04
4818	Farmer, Clarence J.	228.28
4819	Fortune, William E.	305.22
4820	Gallegos, Alfred J.	303.32
4821	Geary, Edwin J.	321.52
4822	Gilchrist, Clarence	215.86
4823	Godfrey, J. H.	246.48
4824	Goodhead, James W.	173.48
4825	Gregory, Clyde G.	350.01
4826	Grewal, Martha H.	262.19
4827	Hansen, Ola E.	209.59
4828	Hatfield, John D.	284.09
4829	Hendrickson, Vernon A.	221.29
4830	Hoffman, Helen M.	190.12
4831	Hofmeister, Edward C.	252.94
4832	Hoskins, Raymond	183.12
4833	Howarter, William H.	233.04

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SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #121

4834	Jenson, Henrietta O.	235.34
4835	Johnson, Barbara	120.10
4836	Johnston, Helen	291.32
4837	Koch, William O.	486.75
4838	Krattil, Tetley	262.23
4839	Kruger, Richard F.	233.86
4840	Kubesh, Josephine	215.04
4841	Lamb, Melanee B.	235.48
4842	Lange, Edward	340.16
4843	Lee, William	323.62
4844	Liets, Rudolph	297.94
4845	Ljungvall, Donald	294.45
4846	Loving, Orville O.	372.80
4847	Mandiloff, Dean M.	300.92
4848	Mandiloff, Vasil C.	245.48
4849	Marvin, Thomas	225.88
4850	Matthews, Arthur W.	337.08
4851	Mattson, Walter	296.60
4852	McMulty, Susan Lee	204.66
4853	Melcher, Adolf A.	206.69
4854	Mester, Chris L.	327.46
4855	Michealis, Harold C.	256.88
4856	Mineff, Peter	261.19
4857	Moore, Onace	221.93
4858	Mandrea, Michael, Jr.	233.28
4859	Nicholls, Clarence	404.65
4860	Nobles, William	202.44
4861	Nordyke, Ina G.	204.86
4862	Obermeyer, Robert H.	235.89
4863	Olear, Thomas F.	325.32
4864	O'Neil, Milton F.	390.55
4865	Paddleford, Mary H.	247.06
4866	Parsons, Von E.	257.48
4867	Partridge, Jesse C.	174.79
4868	Payne, Jesse E.	307.71
4869	Peres, John R.	231.04
4870	Peres, Jose M.	265.68
4871	Peters, Roy V.	228.28
4872	Phillips, Helen K.	215.88
4873	Pickthell, John W.	357.84
4874	Porter, Dorothy M.	260.06
4875	Ratcliff, John B.	334.88
4876	Rhams, Ruth Ann	310.86
4877	Rice, Shirley A.	193.86
4878	Richards, Robert H.	342.52
4879	Robb, Donald	214.86
4880	Rogers, Charlotte C.	302.86
4881	Routh, Carl D.	275.43
4882	Rushton, John E.	229.12
4883	Sackett, Ruth W.	237.49
4884	Schader, Loretta B.	246.39
4885	Schieffelin, Eleanor	283.93
4886	Siefert, Elizabeth F.	44.87
4887	Simpson, Albert E.	301.12
4888	Simpson, Bert D.	209.59

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SPECIAL APPROPRIATION

CIVIL SERVICE PAYROLL - Voucher #121

4889	Simpson, Frances	247.24
4890	Simpson, Minnie	192.65
4891	Slahn, August	259.47
4892	Smith, Mildred	249.74
4893	Spencer, Robert A.	350.36
4894	Stark, Henry C.	261.54
4895	Steffonich, Marvyl I	272.24
4896	Steih, Otto J.	212.89
4897	Sterling, Mary Ann	292.32
4898	Stopla, Vincent S.	384.60
4899	Teer, Lacy E.	170.22
4900	Thomas, Leverne F.	245.48
4901	Thomas, Luella F.	246.24
4902	Tiedt, John	225.48
4903	Tigner, Judy M.	246.39
4904	Tomsic, Frank J.	212.89
4905	Tracy, Frank A.	335.36
4906	Tripp, Warren	320.52
4907	Underwood, Lavern P.	244.86
4908	Underwood, William V.	246.89
4909	Valentine, Florence D.	147.75
4910	Van Dewater, Letta	247.24
4911	Vaughn, Clarence	213.66
4912	Waters, Ernest E.	405.30
4913	Wendell, David	292.14
4914	Williams, Charlotte	199.51
4915	Zanto, Norma A.	45.76
TOTAL CIVIL SERVICE PAYROLL		35,745.14

SPECIAL APPROPRIATION

MISCELLANEOUS PAYROLL - Voucher #122

4916	Amado, Henry	192.23
4917	Arvidson, Arthur	94.20
4918	Bloom, Duane H.	80.00
4919	Boch, Jacqueline L.	104.39
4920	Bond, Judy	9.25
4921	Chu, Hui Fu	67.14
4922	Davies, James E.	124.17
4923	DeGrazio, Bettie L.	154.99
4924	Fisher, Edward G. III	151.21
4925	Hofer, Arthur	288.01
4926	Kanby, Joseph	313.95
4927	Kanby, Louis	324.95
4928	LaFehr, Thomas	80.00
4929	Lobato, Fabiano Sayao	35.00
4930	McDermott, Anne	56.70
4931	Messner, Joseph F.	105.05
4932	Moore, Paul B.	203.23
4933	Murty, Raju N.	35.00
4934	Nolte, Beth	191.71

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SPECIAL APPROPRIATION

MISCELLANEOUS PAYROLL - Voucher #122

4935	Peters, Susan E.	43.20
4936	Fritchard, Jane S.	129.27
4937	Rowe, George	262.60
4938	Koybal, Floyd	203.23
4939	Schmits, Martin	203.23
4940	Seymour, David L.	35.00
4941	Thacker, Michael M.	35.00
4942	Tripp, Ralph F.	12.84
4943	Van Horn, Horace M.	233.92
4944	Warner, Don L.	40.00
TOTAL MISCELLANEOUS PAYROLL		3,819.47

SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #122

4945	Alcott, Arthur D.	16.00
4946	Atwell, Jerry C.	19.00
4947	Boyd, Homer J.	29.50
4948	Broce, Ricardo	2.00
4949	Buturia, Frank J., Jr.	4.00
4950	Cella, Anthony J., Jr.	27.00
4951	Cines, Eugene S.	30.00
4952	Clark, James W.	23.50
4953	Cook, John	5.50
4954	Dale, Larry D.	19.00
4955	Downe, George R.	30.00
4956	Ellis, Walter D.	16.00
4957	Engelhardt, Kenneth L.	14.00
4958	Fatum, H.	26.00
4959	Griffes, Eugene	26.50
4960	Gust, Joseph E., Jr.	1.00
4961	Hajdu, Dessee	14.00
4962	Hoagland, Richard	33.00
4963	Hyatt, Michael V.	9.00
4964	Hutchinson, C. L.	30.00
4965	Kang, George T. G.	25.00
4966	Kuhn, Martin G.	4.00
4967	Mayadas, Ashok	11.00
4968	McCandless, Stephen	60.00
4969	McGill, Mary	12.00
4970	Owens, Millard	6.00
4971	Patton, Gary M.	14.00
4972	Phillips, Patrick E.	16.00
4973	Rayno, J. R.	10.00
4974	Rice, Patrick	3.00
4975	Rodman, Charles E.	15.00
4976	Rouse, Jimmy	15.00
4977	Schilling, Glenn	14.00
4978	Sharp, J. E.	20.00
4979	Sheth, Kirtikant R.	8.00

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SPECIAL APPROPRIATION

STUDENT HELP PAYROLL - Voucher #122

4980	Simpson, Purce A.	20.00	
4981	Smith, Samuel	21.50	
4982	Somers, John B.	20.00	
4983	Strangberg, David	7.50	
4984	Swain, Hall	16.00	
4985	Townsend, Ralph E.	15.50	
4986	Wade, Eugene H.	12.00	
4987	Welborn, Lawrence E.	8.50	
4988	Wood, Stephen	14.00	
4989	Zimbeck, Don	21.25	
	TOTAL STUDENT HELP PAYROLL		764.25
	TOTAL MISCELLANEOUS & STUDENT HELP PAYROLLS		4,583.72

SPECIAL APPROPRIATION

DEDUCTIONS ON FACULTY PAYROLL - Voucher #120

Federal Withholding Tax	13,733.51
Colorado Withholding Tax	1,373.36
Retirement	4,746.24
Equitable Life Assurance Society	1,532.32
C.S.M. Federal Credit Union	1,221.10
War Bonds	360.00
Mile High United Funds	84.30

SPECIAL APPROPRIATION

DEDUCTIONS ON CIVIL SERVICE PAYROLL - Voucher #121

Federal Withholding Tax	6,063.40
Colorado Withholding Tax	606.34
Retirement	2,917.55
Blue Cross & Blue Shield	1,071.00
Colorado State Employees' Credit Union	55.00
C.S.M. Federal Credit Union	1,411.92
Civil Service Insurance	103.77
War Bonds	66.25
Mile High United Funds	14.82

SPECIAL APPROPRIATION

DEDUCTIONS ON MISCELLANEOUS PAYROLL - Voucher #122

Federal Withholding Tax	369.20
Colorado Withholding Tax	36.92
C.S.M. Federal Credit Union	52.77

150,715.31

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SPECIAL APPROPRIATION

DEDUCTION VOUCHERS

123	State's Share of Retirement	7,451.16	
124	Equitable Life Assurance Society	1,478.63	
	GRAND TOTAL -- PAYROLLS & DEDUCTIONS		159,645.10

TAX FUND

EXPERIMENTAL PLANT PAYROLL - Voucher #11

	Crabtree, Edwin H., Jr.	333.90	
	TOTAL EXPERIMENTAL PLANT PAYROLL		333.90

TAX FUND

DEDUCTIONS ON EXPERIMENTAL PLANT PAYROLL

11	Federal Withholding Tax	81.00	
11	Colorado Withholding Tax	8.10	
11	Retirement	27.00	

TAX FUND

DEDUCTION VOUCHER

12	State's Share of Retirement	27.00	
	TOTAL DEDUCTIONS ON EXPERIMENTAL PLANT PAYROLL		143.10
	TOTAL PAYROLL & DEDUCTIONS--EXPERIMENTAL PLANT		477.00

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

1	Abbey Rents Sales Rentals	45.00	
2	Addressograph-Multigraph Corp.	5.81	
3	American Linen Supply Company	9.00	
4	The American Society for Engineering Education	50.00	
5	Aspen Leaf	130.00	
6	Autrey Brothers, Inc.	32.25	
7	Fritz Brennecke	56.70	
8	Casper Hussert Service	7.20	
9	Frank R. Campbell	250.85	
10	The Central Electric Supply Co.	6.44	
11	Coaches' Book Club	5.31	
12	The Colorado School of Mines Alumni Association	294.00	