

RECORD OF PROCEEDINGS

The Board of Trustees met in executive session at 9:00 a.m. on February 11, 1972.

Distinguished Achievement Medals. Upon motion made, seconded, and unanimously carried, the following persons were selected to receive the Distinguished Achievement Medal at the Commencement exercises on May 12, 1972:

Edward C. Borrego
John F. Emerson, E.M. 1938
William M. Mueller, Met.E. 1940;
M.S. 1949; D.Sc. 1952
Harrison E. Stommel, Geol.E. 1941;
D.Sc. 1951

It was reaffirmed that there should be no set number of Medals awarded in any given year.

Faculty Handbook. President McBride distributed copies of a revision of the Faculty Handbook. The revision was done by President McBride after consultation with administrative personnel. President McBride asked that the Board members review the handbook before the next meeting, if at all possible. Upon the indication from the Board of general and/or specific approvals and/or objections, a second revised handbook will be presented to the faculty review committee before the end of this school year.

Professor Winton Laubach. Mr. Stockmar reported on a letter dated January 28 received by President McBride with regard to the termination of Professor Laubach. Also, President McBride reported on a meeting he had on January 17 with Mr. Ronald F. Weiszmann, attorney representing Professor Laubach.

Because of a physical disability, Professor Laubach had left the faculty of the School at the end of the 1971-72 school year.

On July 29, 1971, the AAUP had written saying that Professor Laubach had asked their intervention in the matter. President McBride had replied declining to reopen the matter. Recently there had been received a letter from AAUP, dated January 28, 1972, stating that 15 of Professor Laubach's "colleagues" had been contacted and asked whether their opinions had been sought as to the ability of Professor Laubach to conduct his classes. In the opinion of the AAUP official who wrote the letter, Professor Laubach should be reinstated.

After discussion by the Board, it was agreed that (1) there is no tenure per se at Mines; (2) the matter of who should be a faculty member has been delegated to the

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President by the Board and opinions from others are not relevant; and (3) the retirement of Profesor Laubach on medical disability is fait accompli.

President McBride was instructed to reply negatively to the subject AAUP letter.

Alumni Advisory Council. President McBride reminded the Board members that the dates of the Alumni Advisory Council meeting are April 13 and April 14. He expressed the hope that all members of the Board could reserve those dates for meetings with the Council.

Liquor License. President McBride reported to the Board that the students were asking permission to apply for a special events permit to serve liquor at the E-Day dance and the Junior-Senior Prom. President McBride said he would prefer to have such events on the campus where more supervision can be given.

The student officers concerned with these special events have made recommendations to Dean Smiley with respect to the conduct of the dances. These recommendations include the employment of two off-duty policemen and identifying ages of all those present. Dean Smiley indicated that he intended that it be made very clear to the students that future licenses for liquor would depend largely on the conduct of those present at the first, and then the second, of these functions. ✓

It was the consensus of the Board that permission be granted for this special license with the hope that maturity and responsibility will prevail.

Letter from Mr. Ed Brook. In a letter dated January 24, 1972 addressed to Mr. Stockmar Mr. Ed Brook asked the Board to consider naming the gymnasium for Coach Fritz Brennecke. ✓

The matter was tabled until the executive session of the March meeting.

Yench Complaint. A complaint dated January 31, 1972 seeking the reinstatement of Jack Yench as a student at the School was discussed. Mr. Stockmar reported that all those served would be represented by the Attorney General's staff. ✓

The executive session adjourned at 10:00 a.m.

Secretary

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Golden, Colorado
February 11, 1972

The Board of Trustees met in regular session at 10:00 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Bradley, Eisenach, Stockmar, and Volk.

Absent: Mr. Alexander.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on January 14, 1972 were approved.

Distinguished Achievement Medals. It was announced that selection had been made of the 1972 recipients of the Medal and public announcement would be made as soon as the new recipients have been notified.

Academic Leave - Dr. F. Richard Yeatts. President McBride presented a request from Dr. Yeatts for academic leave at one-half pay for the first semester of the 1972-73 school year. Dr. Yeatts was asking for leave to work on the relationship between earth strain and earthquake source mechanisms. ✓

Upon motion made, seconded, and passed, the leave was granted.

Geology Reading Room. President McBride reported that the Geology Department has recently moved into space left vacant by the Geophysics Department move to the Green Center. The Geology Department will be using a reading room which the staff would like to dedicate to the memory of Horace N. Goodell. Mr. Goodell, a graduate of Mines, Geol.E. 1942, left his private collection of geology books to the Department. ✓

Upon motion made, seconded, and passed, the approval as requested was given.

Mr. Jack Neubauer, President of the Associated Students, entered the meeting at this time. Mr. Neubauer had asked that he be allowed to enter the meeting to discuss the required freshmen ROTC courses.

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ROTC Enrollment. Mr. Neubauer delivered a letter signed by 12 freshmen petitioning the Board to be relieved of the second semester ROTC course because they intend to leave the School at the end of this school year. Mr. Neubauer asked that the Board reconsider the policy of requiring all freshmen to take two semesters of ROTC. He asked that students be given some leeway in their choice of which year to enroll in the required one-year ROTC courses.

The members of the Board expressed the opinion that requiring the military courses in the freshman year was the best way to leave options open for the students and it was their hope that the military courses have been structured so as to be a good supplement to an engineering background no matter which option was finally elected. The opinion was also expressed that exposure to the discipline of a rather rigorous course fit well with the requirements of a good engineer. ✓

Concern was expressed that we should have students enrolling here who do not intend to get engineering degrees.

Mr. Stockmar, speaking on behalf of the Board, thanked Mr. Neubauer for his thoughtful approach to the problem and said the Board values the thoughts and counsel expressed. Mr. Stockmar said the Board has also spent much time and effort studying the subject and will continue interest in it.

Mr. Neubauer thanked the Board and left the meeting.

Questionnaire on Higher Education. President McBride told the Board members that they would soon be receiving a questionnaire from a well-known professor of education at the University of Colorado. He said he thought it would be worthwhile for the members to take a few minutes to complete the questionnaire.

Wage/Price Controls. President McBride reported that in accordance with a directive from the State Controller, faculty raises which would have been effective September 1, 1971 will be paid retroactively. ✓

Director, Cecil H. Green Geophysical Observatory. President McBride reported to the Board that upon the recommendation of Professors Hollister and Holmer and with the concurrence of Dr. Kuhn, he was appointing Dr. Maurice W. Major director of the Observatory to succeed Professor Hollister upon his retirement. ✓

Retirements. President McBride asked the Board to set aside for this year the policy recorded in the minutes of August 29, 1969 and take under consideration

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the impending retirements of Dean Jordan and Professor Hollister. Both met requirements for emeritus rank and President McBride asked that the appointments be made and announced at May Commencement.

Upon motion made, seconded, and unanimously passed, Dean Jordan and Professor Hollister were granted emeritus status to be effective upon their retirement at the end of this school year.

Mr. Steinhauer entered the meeting at this time.

E-Day Budget. Mr. Steinhauer reported that the Associated Students were asking that they be allowed an increase in their budget to enable them to engage a name band for the E-Day dance. The students believe that sufficient revenue will be engendered to meet all financial obligations. Because the original Associated Students' budget had received Board approval, President McBride had deemed it necessary to bring this request back to the Board. Approval was given, subject to the students being made aware that it would be their responsibility to see that all obligations were met.

Faculty Insurance. At President McBride's request, Mr. Steinhauer reported on a proposal by the faculty Personnel Committee that the group policy be changed to include a long-term disability coverage. The premium on the new policy would be slightly lower than the premium now in effect.

Upon motion made, seconded, and unanimously passed, the Board approved the increased coverage.

Capital Construction. Mr. Steinhauer reported that an additional \$3,300 will be required for program planning with regard to the electrical and steam distribution loops. The Commission on Higher Education has approved this request, verbally.

The Board approved an amended request for this amount in capital construction funds.

Married Student Housing. Upon motion by Mr. Bradley, seconded by Mr. Volk, the following resolution was unanimously adopted:

RESOLVED, that an application be made to the Department of Housing and Urban Development for a loan up to \$800,000 for the construction of a new married student housing project at the Colorado School of Mines.

Task Force on Foundations. Mr. Stockmar reported that there was now a new draft of the policy

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being set forth which would define more clearly the "arm's length" status of nonprofit foundations in relation to the State colleges and universities. Because of the vital concern Mines has with the entire matter of the CCHE Task Force on Foundations, including specifically this aspect, the statement was given considerable attention and President McBride was instructed to write a letter to Dr. Abbott detailing requests for changes in the proposed statement. ✓

Monthly Reports. Mr. Steinhauer distributed the monthly fiscal reports.

The meeting adjourned at 1:15 p.m.

Secretary

February 11, 1972

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The Board of Trustees met in executive session at 9:00 a.m., on March 10, 1972.

Faculty Handbook. There was extended discussion of the draft Faculty Handbook as distributed at the February Board meeting. The Board took cognizance of the book as originally prepared by a faculty committee and revised by the administration for presentation to the entire faculty. ✓

American Association of University Professors. President McBride reported to the Board that after corresponding with the AAUP for a year with regard to the Laubach case, he had received a letter dated February 25, 1972 in which he was told that failing Mines' voluntary recission of the Laubach retirement, AAUP intended to appoint an investigating committee to inquire into questions of academic freedom and tenure at the Colorado School of Mines as exhibited in the Laubach situation. ✓

President McBride told the Board that he intended to acknowledge the letter stating that the AAUP request for reconsideration of the Laubach matter was respectfully declined.

Letter from Ed Brook. In view of the absence of Mr. Bradley, this matter was moved forward to the April meeting.

Task Force on Foundations. President McBride and President Stockmar distributed copies of a memorandum from Dr. Frank C. Abbott dated February 27, 1972 which included a CCHE-approved policy statement on college and university foundations. Mr. Stockmar stated he hoped all members would have an opportunity to review the policy statement since CSMF, Inc. will be substantially affected. It was noted that, although some aspects of this policy statement have been discussed at length with the Legislative Audit Committee, it is not yet either law or administrative regulation. ✓

Honorary Degree- Professor Hollister. President McBride presented a recommendation from Dr. Holmer that Professor Hollister be awarded an honorary degree during the dedication of the Green Center. President McBride stated, in his opinion, the emeritus rank already given to Professor Hollister, effective upon his retirement, was a greater honor than the proposed degree. ✓

After some discussion it was concluded that the degree would not be awarded to Professor Hollister at the Green dedication and that there was ample time for consideration of the award being given at Commencement. President McBride said that in the meantime he would secure the views of other knowledgeable and influential persons on the appropriateness of the award. ✓

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CSMRI Trustee. President McBride, having distributed copies of a letter from Dr. Ponder prior to the meeting, asked for Board suggestions on a successor to Mr. Harvey Mathews who is resigning from the Board of the CSMRI. President McBride said he would pass along to Dr. Ponder the comments of the Board.

CSM Trustee. Mr. Stockmar asked that each member of the Mines Board be aware of the likelihood that legislation will become effective increasing the Board from five to seven members and that each Board member consider and send along to him names of possible additions to the Board. Among those mentioned were Mr. Jim Wilson and Mr. George Wilfley. Mr. Stockmar will forward names to Governor for consideration. ✓

Alumni Advisory Council. After consulting the Board, the President said he and Mrs. McBride would have a cocktail and dinner party for the Council on the evening of April 13.

Mineral Economics Institute. President McBride reported to the Board that Professor Mather and Mr. Heistand had called upon him and asked that the Mineral Economics Institute be formally organized as an entity within the framework of the School because it would be easier to attract outside research and support money if such a vehicle is used. The Board approved such organization. ✓

The session adjourned at 10:30 a.m.

Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
March 10, 1972

The Board of Trustees met in regular session at 10:30 a.m., March 10, 1972, in the President's Office of the Colorado School of Mines.

Present: Messrs. Alexander, Stockmar, and Volk.

Absent: Messrs. Bradley and Eisenach.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on February 11, 1972 were approved.

Distinguished Achievement Medals. It was publicly recorded that four Distinguished Achievement Medals would be awarded at Commencement on May 12 to the following:

Edward C. Borrego, Class of 1927
John Fulton Emerson, E.M., 1938.
William Martin Mueller, Met.E., 1940;
M.Sc., 1949; D.Sc., 1952
Harrison E. Stommel, Geol.E., 1941;
D.Sc., 1951

ROTC Suit. President McBride reported to the Board the suit against the Colorado School of Mines brought by Mr. A. L. Herrmann, Jr., District Attorney, on behalf of persons seeking the abolishment of compulsory ROTC had been dismissed in District Court on February 25, 1972.

Enrollment and Budget, 1972-73. President McBride distributed copies of memoranda prepared at his request by his staff showing the predicted enrollment and the effects of the expected lower enrollment on the budget.

The predicted 1972 fall enrollment has been revised downward from 1,735 to 1,622; and the total tuition income for the 1972-73 school year has been adjusted accordingly from \$1,669,868 to \$1,490,887. Even though this latest prediction is full of uncertainties, President McBride felt it necessary to bring these figures to the attention of the Board for consideration of possible alternatives to current plans and staffing. On the assurance

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of President McBride that we could "make ends meet" at current Executive Budget proposed appropriation levels even if such a shortfall occurs, though not with a greater one, and in view of the uncertainties of the enrollment projections, the Board recommended to the President that the Mines 1972-73 budget not be revised at this time.

As a part of the enrollment picture, the need for financial aid for new students was discussed and the Board strongly recommended to President McBride, who serves as President of the CSM Foundation, that scholarship funds be made available to new students. The amounts expected to be requested are \$10,000 to \$12,000 for 1972-73, increasing to \$25,000 to \$30,000 as original and new scholarship holders come to and stay in school. It was pointed out that funds from the State are largely for resident students who can prove need, the only real exceptions are the athletic scholarships, one-half of which are allowed to be awarded to out-of-state students. Thus students of high caliber but in no particular need of financial assistance are not being attracted to state schools. ✓

In general it was pointed out that even though the amount of money available for student aid is increasing, the financial need of students is increasing faster and our flexibility with available money is decreasing. President McBride stressed the fact that there is an extraordinary need to know now that we can make commitments to students who may be considering Mines. The Board concurred that a strongly-endorsed request should be made for CSM Foundation funds.

Monthly Reports. President McBride told the Board members that copies of the monthly reports would be mailed to them.

The meeting adjourned at twelve noon.

Assistant Secretary

March 10, 1972

Secretary

The Board of Trustees met in executive session at 9:00 a.m. on January 14, 1972.

H.B. 124. Maintain position to favor enlarging Board to seven members. Maintain quorum of three persons. Leave everything else as it is; no position on how many Board members should be alumni.

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Golden, Colorado
January 14, 1972

The Board of Trustees met at 9:30 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Alexander, Eisenach, Stockmar, and Volk.

Absent: Mr. Bradley.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers. Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on December 10, 1971 were approved.

Board Meeting Dates. President McBride called the attention of the Board members to the conflicts which will exist for the regular monthly meeting dates for April and May.

Upon motion made, seconded, and passed, the dates for April and May meetings were moved ahead one week to April 7 and May 5, respectively.

Alumni Advisory Council Meeting. President McBride called attention to the need for a review of the membership of the Council in preparation for a meeting at the time of the dedication of the Green Center on April 14. The Board members reviewed the list, made the selection, and authorized President McBride to proceed with arrangements.

Distinguished Achievement Medals. Mr. Stockmar, President of the Board, appointed a committee made up of Mr. Volk, Chairman, Mr. Eisenach, and Mr. Alexander, to review the recommendations made by the alumni committee and bring back to the Board at the February meeting its recommendations for the consideration and action by the full Board.

New Faculty Appointment. President McBride reviewed the following new appointment to the faculty:

Richard S. Culver	\$13,800
Associate Professor of Basic Engineering	
(beginning second semester)	

ROTC. President McBride reported his understanding of the proceedings of the hearing in District Court on

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December 30 when the School, represented by the Attorney General's office, filed a motion to dismiss. The judge asked that briefs be filed. The importance of ROTC as a part of our educational program was stressed. ✓

Use of Service Bureau Secretarial Help. As requested at the last Board meeting, President McBride had determined the use made of service bureau help. The extra help was used to fill temporary needs when departments were without secretaries due to illness, our staff having been pared to the point that temporary internal shifts are difficult.

Budget. President McBride stated he thought it would be worthwhile to invite our Jefferson County legislators to a meeting to acquaint them with our situation with regard to the budget. The Board members agreed to attend if at all possible.

Synthetic Floor Covering for Fieldhouse. President McBride reviewed for the information of the Board the proposal being made by the Athletic Department to surface the floor of the fieldhouse through a fund drive among the alumni. The Board members were of the unanimous belief that the surfacing would be a valuable contribution to the facilities of the School. The maintenance question was brought up and President McBride said he would investigate this. The Board also questioned alternatives in the event the total goal was not reached. ✓

The Board approved the campaign to provide surfacing, subject to President McBride's satisfaction with the answers to the questions posed.

Enrollment. Copies of the breakdown on enrollment for the second semester were distributed. It appeared that enrollment, thus income, would be down from earlier estimates.

Mr. Steinhauer entered the meeting at this time.

Wage/Price Controls. Mr. Steinhauer reported that per instructions from the State Controller, salary increases contracted for last spring were paid, retroactive to November 14, 1971. No word has yet been received on whether the raises will be made retroactive to the September 1, 1971 contract date. Also no action has been taken on increasing rents because of the lack of sufficient information on which to base increases. ✓

Additional Married Student Housing. Mr. Steinhauer presented to the Board several suggested plans for increasing the number of married student housing units. He reported that if we are to share in federal subsidy, our application must be submitted by April 1.

January 14, 1972

The Board authorized the administration to submit an application to HUD for approximately 50 to 60 units on a low density plan at an estimated cost of between \$750,000 to \$800,000 on the block bounded by 18th and 19th and by Illinois and Maple.

Audit. Attention was turned to two letters delivered that morning from the State Auditor's office and the Legislative Audit Committee.

The letter from the Legislative Audit Committee, addressed to President Stockmar called attention to apparent differences between the School and the CSM Foundation accounting. The letter used these differences to justify the Committee's case to audit the CSM Foundation. The other letter addressed to President McBride called attention to the Senate Bill 25 which provided for reimbursement to the General Fund for state audits made of nonappropriated funds, and listed such funds at Mines.

It was agreed both that a decision should be made on which of the School activities fell within the definition of "nonappropriated funds" and that as an example, the Office of Research Services listed in the letter did not fall in this category.

With regard to the CSM Foundation, it was agreed that this could not be considered anything but "nonappropriated" activity and to allow the State to audit the Foundation records would prove very detrimental to the purposes of the Foundation. The Attorney General has given an opinion in support of our position in this matter.

The Board agreed that the audit of the CSM Foundation should be made available to the State Auditor.

Monthly Reports. Mr. Steinhauer distributed the monthly reports.

Hollaus Property. Mr. Steinhauer reported that it had been agreed that Mr. Hollaus would accept \$22,000 for his property at 815 Fifteenth Street. We now have \$16,000 in our land acquisition fund. He said he would try to get a portion of the "Houses No. 2 Fund" appropriated to the "Land Acquisition Fund".

Wild Horse Park. There was some discussion about using the income from the funds derived from the disposition of Wild Horse Park. President McBride said he was awaiting approval to use the money for various field camp needs in line with the original use of Wild Horse Park. (Reference Page 2, August 6, 1971 minutes.)

The meeting adjourned at 1:00 p.m.

Secretary

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The Board met in executive session at 2:30 p.m. on April 14, 1972.

Letter from Mr. Ed Brook. With regard to the letter dated January 24, 1972 in which he suggested that the gymnasium be named for Fritz Brennecke, the matter was discussed and without prejudice to any future decision, no action was taken at this time.

Honorary Degree for Professor Hollister. The matter of an honorary degree for retiring Professor Hollister, laid over from the executive session of March 10, 1972, was discussed. It being the feeling of at least one Board member and of President McBride that the degree would not constitute a significant or useful accretion to the honors held and to be held by Professor Hollister, no action was taken to award the degree.

Assistant Secretary

April 14, 1972

RECORD OF PROCEEDINGS

Golden, Colorado
April 14, 1972

The Board of Trustees met in regular session at 1:00 p.m. on April 14, 1972 (postponed from April 7, 1972) in the President's Office of the Colorado School of Mines.

Present: Messrs. Bradley, Stockmar, and Volk

Absent: Messrs. Alexander and Eisenach.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on March 10, 1972 were approved.

Candidates for Degrees. President McBride distributed lists of candidates for undergraduate and graduate degrees as recommended by the faculty at its regular meeting of April 22, 1972 last.

Upon motion made, seconded, and unanimously passed, the following were approved for degrees on the dates specified, subject to the completion of all academic requirements and continued compliance with school requirements and regulations.

May 12, 1972

BACHELOR OF SCIENCE (MINING ENGINEERING)

James Bruce Bills
William Lloyd Ellis
William Louis Fischer
Richard Jack Hurt
Justin Dean Kirk
Donn Bigony Kraemer

Raymond Bruce Maxwell
John Nelson Pollard
David Leslie Scott
Victor Arthur Sterner, Jr.
Steven Truman Tedlie

ENGINEER OF MINES

David Chapman
Charles Richard Cusack
Marlin G. Meents

April 14, 1972

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June 24, 1972

BACHELOR OF SCIENCE (MINING ENGINEERING)

Steven Williams Cox
Floyd George Frank

August 19, 1972

BACHELOR OF SCIENCE (MINING ENGINEERING)

Ronald Lee Curtis
John Michael Feasler

Van George Plocus
Richard Lawrence Steenberg

May 12, 1972

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

David V. Bush	Nelson Drew King
Claude Chester Corkadel III	William Louis Larson
James Ernest Dionisio	John Patrick Laughlin
Ronald James Eddings	Michael Stephen Martinez
Dennis Wayne Ferrera	George Keith McFall, Jr.
Kenneth Paul Ferrera	William Gray Orf
David Lee Frederick	Thomas Fraser Orlin
John Lind Funk	Kevin LeRoy Purdy
Gerald Allen Giesecker	Steven Lance Schuhart
William Martin Goldblatt	Robert K. Spangler II
John Michael Hoppe	Stephen Ray Stine
Fred Lee Jackson	Pamela Raye Tittes
Cy Edward Jordan	Joe Michael Zutman

May 12, 1972

METALLURGICAL ENGINEER

Donald Lee Morrison

June 24, 1972

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

Christopher Henry Cox
John August Otto
Eric Charles Sullivan

August 19, 1972

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

William George Bailey	William James Roushey, Jr.
Richard Alan Patterson	William John Ruppert, Jr.

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BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)
May 12, 1972

Arne O. Birkeland
Michael Francis Conlon
Jon Ren Ford
Jerry L. Gubka
Roger J. Johnson
Pamela Joan Larson
Larry Eugene Lehto
Linda Lee Lewis
Richard Earl Lisle
Chris William Metzger

David Kip Morphew
Clifford Ralph Pollock
Ronald Scott Reese
Stephen Phillip Saffold
Collin Lee Stewart
Karen L. Tonso (May)
Thomas Allen Watkins
Steven John Williams
Robert Dunham Wunder
Ralph David Rogers

May 12, 1972

GEOLOGICAL ENGINEER

Daryl Irving Cox

June 24, 1972

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

George J. Eliopoulos
Alexander Michael Homenuke
William C. Messer

August 19, 1972

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Robert Arthur Bristol, Jr.
Larry James Buchanan

August 19, 1972

GEOLOGICAL ENGINEER

Cephas Christian Goddard

May 12, 1972

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

David King Anderson II
Michael Ralph Colloff
Paul F. Cutright
Juan Orestes Deluca
Franklin Albert Hamisch
John Robert Johnstone
Gary Grant Krieger
Stephen Kent Lewis
Robert Lloyd Moore

John Michael Neubauer
John William Owen
Gary Alan Schwab
Larry Duane Swisher
Robert Howard Taylor
James Alan Townsend
Donald Charles Wood
Tommie Everett Yates

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August 26, 1972

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

Nagiati Abdurrazagil El-Amir
Dwayne Gene Krugman
Michael George Long

May 12, 1972

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Theodore Cyril Borer	Robert Alan King
Joseph Daniel Butkovich, Jr.	Michael Stanley Kirchner
Richard Alan Cadle	Michael Doyle McCormick
Franklin Ernest Grange II	Craig Kenneth Sommer
Thomas Frederic Hamlyn	Stephen Vail Williams, Jr.
Alvin Paul Japha	

June 24, 1972

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Chit Yung Bao	Robert Gardner Pepler
Lester Gerald Burch	David Lawrence Quicksall
John Leroy Larson	Wayne Lowell Summons
Gholam Hossein Omid	

August 19, 1972

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Michael Joseph Roark
Leopold Leonard Winternitz

May 12, 1972

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

Ramazan Korrax Akbulut	Steven James Isenhardt
James William Callaway	Howard Ying Jong
Steven Ralph Chilcoat	Christopher Gillespie Moore
George J. Eliopulos	Bruce Herbert Pike
Vasfi Erol	Rick Robert Schmid
Gregory Evan Evans	Richard Charles Shanley
Jon Ren Ford	Mustafa Tahsin Tasci
Marvin Russell Frisinger	John Charles Vanko
Simon Douglas Hartman	

August 26, 1972

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

Robert James Dorman
Steven Douglas Peterson
Alfred Po-hung Wu

April 14, 1972

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August 26, 1972

GEOPHYSICAL ENGINEER

Douglas C. Muller

August 26, 1972

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

Gregory Lawrence Cole

May 12, 1972

BACHELOR OF SCIENCE (MINERAL-ENGINEERING CHEMISTRY)

Detlef-Peter Adolff
David S. Ginley
Susan Tamara Johnnie
Roger Lee Olsen

George Martin Pruce
Kevin LeRoy Purdy
Glen Oliver Strand
Daniel Michael Unruh

June 24, 1972

BACHELOR OF SCIENCE (MINERAL-ENGINEERING CHEMISTRY)

Carlos Alberto Martinez Vicenti

May 12, 1972

BACHELOR OF SCIENCE (MINERAL-ENGINEERING MATHEMATICS)

Christopher Harrold Babbitt
Duane William Bollig
Thomas Allan Brocker
Robert S. Chicco
Thomas Joseph Comi
Jeffrey Scott Daniels
John Charles Darrow
David Frederick Davis
Dennis Alan Dechant
Charles Romaine Gerould
Thomas Joseph Holloran
Michael Robert Hughes
Robert Louis Hunt

Thomas Mason James
Robert L. Johnson
Richard James Laman
George Walter Mellors
Jack William Musser
Lynn Ray Patten
Richard Keith Schenderlein
Ronald Ray Smith
Robert Paul Snowden
Lee William Sudmeier
James Gilbert Watriss
Ralph Rogers Wheeler, Jr.
Roy Dean Willis

June 24, 1972

BACHELOR OF SCIENCE (MINERAL-ENGINEERING MATHEMATICS)

K. C. Kollenkark
Harvey Grant Thompson
Ronald Kelly Tulk

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May 12, 1972

BACHELOR OF SCIENCE (MINERAL-ENGINEERING PHYSICS)

Dirk A. Benham	Randall Mark Leasure
Charles Orrin Butto III	David John Love
Steven Charles Copsey	Gary Alfred Mueller
Alvin Lynn Crandell	John Edward Seibert
William Roy Kendall	David James Sinton
Danny Joe Krebs	

August 19, 1972

BACHELOR OF SCIENCE (MINERAL-ENGINEERING PHYSICS)

John Craig Lowell
John Roy Schuyler

GRADUATE DEGREES

May 12, 1972

MASTER OF SCIENCE (MINING ENGINEERING)

Juan Jose Araujo M.	Hans E. Edlund
Gary E. Boyer	Eduardo J. Magri Varela

MASTER OF ENGINEERING (METALLURGICAL ENGINEER)

O. A. Lee

MASTER OF SCIENCE (METALLURGY)

Carlos Alberto Bottrel-Coutinho

MASTER OF SCIENCE (METALLURGICAL ENGINEERING)

Libardo Ibagos S.	Alan Leo Liby
James A. Krebs, Jr.	Rodrigo Jose Mattos
	Soo Woo Nam

April 14, 1972

MASTER OF ENGINEERING (GEOLOGICAL ENGINEER)

Shadul Ahmed Shadul

MASTER OF SCIENCE (GEOLOGY)

John Joseph Antony Robert William Spoelhof
 Gerald G. Nicolaysen, Jr. Daniel Clifford Wychgram

MASTER OF SCIENCE (PETROLEUM ENGINEERING)

William Stuart Deans
 Djahangir R. Kavoussi-Z

MASTER OF ENGINEERING (CHEMICAL AND PETROLEUM-REFINING ENGINEER)

Howard Wilson Holcombe

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Huseyin Ilkin Bilgesu
 Joseph Francis Ferrall
 Sidney P. White

MASTER OF SCIENCE (GEOPHYSICS)

Willy Zenon Barreda Rodriguez
 Ulrich Schimschal

MASTER OF SCIENCE (CHEMISTRY)

James A. Van Zee
 Seng Nio Yap (Anita Srijanti)

MASTER OF SCIENCE (MATHEMATICS)

David L. Francis	John Russell Terry
Thomas Carl Francis	Oscar Bharathan Nair
David Anthony Gulley	William R. Sharp

MASTER OF SCIENCE (MINERAL ECONOMICS)

Frederico Lopes Meira Barboza
 Jose Angel Vargas Montana
 Jose Dario Velasquez Hincapie

MASTER OF SCIENCE (CHEMISTRY AND CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Peter Michael Gerrild

MASTER OF SCIENCE (GEOCHEMISTRY)

Mario Hector Speziale

RECORD OF PROCEEDINGS

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DOCTOR OF PHILOSOPHY (METALLURGY)

Virgil R. Friebel

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING)

Jose Yebrail Diaz H.
Kjell Lovold

DOCTOR OF PHILOSOPHY (GEOLOGY)

James Henry Butler III
Volker Walter Gobel

DOCTOR OF PHILOSOPHY (PETROLEUM ENGINEERING)

Craig William Van Kirk

DOCTOR OF PHILOSOPHY (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Mark Alan Plummer

DOCTOR OF PHILOSOPHY (GEOPHYSICS)

Colin Thorold Barnett
Charles Albert Kohlhaas
Jean Hsiung Tien

DOCTOR OF PHILOSOPHY (GEOCHEMISTRY)

Jean Pasquali Zanin

DOCTOR OF PHILOSOPHY (CHEMISTRY-METALLURGY)

Jan Han Ong

Appointments and Promotions. President McBride reported to the Board the following appointments and promotions:

To Vice President for Academic Affairs -
Dr. James H. Gary

To Dean of the Graduate School -
Dr. William D. Copeland

To Director of Research Development -
Dr. Franklin J. Stermole

To Professor -
Professor Ronald D. Preston
Basic Engineering
Dr. Robert M. Hutchinson
Geological Engineering
Professor Niles E. Grosvenor
Mining Engineering
Dr. William D. Copeland
Metallurgical Engineering

April 14, 1972

RECORD OF PROCEEDINGS

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To Associate Professor -

Dr. Kenneth W. Edwards
Chemistry
Dr. Keenan Lee
Geological Engineering
Professor William J. Chapitis
Humanities and Social Sciences
Dr. Huntington S. Swanson
Mathematics
Dr. Gerard P. Martins
Metallurgical Engineering
Professor Richard E. Stapp
Athletics and Physical Education
Dr. Robert D. Reed
Physics

To Assistant Professor -

Mr. Charles A. Kohlhaas

Upon motion made, seconded, and unanimously passed, the Board approved these appointments and promotions.

Mr. Steinhauer entered the meeting at this time.

Increases in Rentals and Dormitory Fees. Mr. Steinhauer reviewed the situation with regard to rentals, saying that the rent increases which had been approved to be effective September 1, 1971 were not implemented on account of the wage/price freeze and he was now recommending a bigger increase for all housing units, not only to include the deferred increase but to take into account cost increases specifically including the administrative cost allocation expected to be mandated in the current long bill. Mr. Steinhauer said a new contract being signed with the food company would necessitate an increase in the dormitory fees. ✓

The following increases in rentals and fees were approved:

	<u>Present Rental Schedule</u>	<u>Effective September 1, 1972</u>
<u>Mines Park</u>		
Buffet Apartment	\$80	\$100
1 Bedroom Apartment	100	125
2 Bedroom Apartment	115	140
2 Bedroom House (37-38-39)	140	165
2 Bedroom House (25-26- 27-28)	150	175
2 Bedroom House (30-31- 34-35)	120	145
3 Bedroom House (29-32- 33-36)	130	160
<u>Prospector Park</u>		
1 Bedroom Apartment	50	60
2 Bedroom Apartment	60	70

April 14, 1972

RECORD OF PROCEEDINGS

Golden, Colorado
May 5, 1972

In substitution of the regularly scheduled meeting for May, the Board of Trustees met on May 5, 1972 at 9:00 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Alexander, Bradley, and Stockmar.

Absent: Messrs. Eisenach and Volk.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on April 14, 1972 were approved.

Candidate for Degree. President McBride, on recommendation of the faculty, presented the following additional name for approval for degree to be awarded May 12, 1972:

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Travis Twyman Womack, III

Upon motion made, seconded, and unanimously passed, Mr. Womack was approved for degree as specified, subject to the timely completion of all academic requirements and continued compliance with School requirements and regulations.

Proposed Doctorate in Mineral Economics. President McBride reported to the Board that the Graduate Council and the Graduate Faculty had approved the proposal originated by Professor Mather, Head of the Mineral Economics Department, that the Department offer a program leading to the Ph.D. in Mineral Economics, beginning September 1, 1972. The proposed degree does not require additional staff or facilities but must be approved by CCHE. President McBride distributed copies of the proposal and asked that the Board be prepared to act on it at the June meeting. ✓

May 5, 1972

RECORD OF PROCEEDINGS

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The Board members expressed the hope that the new graduate proposal would enhance rather than diminish the undergraduate program. President McBride promised a report on this aspect at the June meeting.

New Faculty Appointments. President McBride reviewed the following new appointments:

Philip F. Dickson
Professor of Chemical and Petroleum-
Refining and Head of Department

John A. Pederson
Director, Mineral Economics Institute

Ronald W. Klusman \$15,000
Associate Professor of Chemistry

Donald W. Gentry 13,500
Assistant Professor of Mining Engineering

~~Ronald W. Klusman 15,000
Associate Professor of Chemistry~~

~~Donald W. Gentry 13,500
Assistant Professor of Mining Engineering~~

David K. Matlock 13,000
Assistant Professor of Metallurgical
Engineering

David L. Olson 13,600
Assistant Professor of Metallurgical
Engineering

Faculty and Administrative Salaries. President McBride reported to the Board that although the Long Bill specified that a 5 percent increase be given faculty, funds were provided for a 2.35 percent increase only.

President McBride reported that the Long Bill specified that we should have 122.7 full-time faculty on State funding rather than the 126.2 to whom we have offered contracts and that, therefore, we must adjust the faculty total as of September 1, 1972 and perhaps ask the CSM Foundation to fund, or partly fund, several members of the faculty until the total can be reconciled with legislative mandates. The involuntary adjustments needed cannot be determined until faculty members have acted on the contracts offered them.

Upon motion made, seconded, and unanimously passed, the following salaries were approved:

Jose F. T. Agapito \$ 9,400
Instructor in Mining Engineering

May 5, 1972

RECORD OF PROCEEDINGS

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William R. Astle Assistant Professor of Mathematics	\$13,400
Henry A. Babcock Professor of Basic Engineering and Head of Department	18,800
Charles Baer Instructor in Mathematics	10,600
Alfred H. Balch Associate Professor of Geophysics	15,800
Brian Ball Assistant Professor of Metallurgical Engineering	13,000
Geraldine D. Bariani Librarian	11,100
Daniel M. Bass, Jr. Professor of Petroleum Engineering and Head of Department	19,800
George T. Bator Professor of Mining Engineering	16,000
Victor W. Bauman Associate Professor of Mathematics	13,800
Kenneth E. Bellamy, Jr. Director of Student Housing and Director of the College Union	12,400
Jerry R. Bergeson Assistant Professor of Petroleum Engineering	13,400
Ramon E. Bisque Professor of Chemistry and Head of Department	19,800
Harold Bloom Associate Professor of Geology	14,600
Ardel John Boes Associate Professor of Mathematics	15,100
Ralph B. Bowersox Professor of Physics and Head of Department	19,500
Walter L. Bradley Associate Professor of Metallurgical Engineering	14,800
Fritz S. Brennecke Professor and Head of Department, Physical Education and Athletics	17,800

May 5, 1972

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Austin R. Brown, Jr. Director of the Computing Center and Professor of Mathematics	\$18,400
James T. Brown Associate Professor of Physics	14,000
William Rex Bull Associate Professor of Metallurgical Engineering	16,800
H. Dean Burdick Director of Admissions	16,500
Jerrold J. Burnett Associate Professor of Physics	15,400
David L. Butler Research Associate in the Department of Geophysics	14,600
Robert H. Carpenter Professor of Geology	16,700
William J. Chaptis Associate Professor of English and Modern Foreign Languages	13,600
W. John Cieslewicz Assistant Professor of Russian and German	11,400
Bernetta Conrey Departmental Assistant	9,600
W. D. Copeland Dean of the Graduate School and Professor of Metallurgical Engineering	20,600
Catharine S. Cross Librarian	9,900
Richard S. Culver Associate Professor of Basic Engineering	14,100
Stephen Ray Daniel Assistant Professor of Chemistry	11,400
James Darden Associate Professor of Physical Education and Athletics	15,100
Joseph E. Davies Associate Professor of Physical Education and Athletics	15,100
Richard H. DeVoto Associate Professor of Geology	14,000

RECORD OF PROCEEDINGS

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Dean W. Dickerhoof Associate Professor of Chemistry	\$14,700
Donald I. Dickinson Associate Professor of English	13,400
Philip F. Dickson Professor of Chemical and Petroleum- Refining Engineering and Head of Department	17,800
James Dover Assistant Professor of Geology	12,700
Kenneth W. Edwards Associate Professor of Chemistry	13,600
Rudy C. Epis Professor of Geology	17,500
Elsie Christine Ericson Librarian	9,700
Robert R. Faddick Assistant Professor of Basic Engineering	14,300
L. David Femmer Budget Officer and Personnel Officer	16,800
Joseph J. Finney Associate Professor of Geology and Assistant Head of the Department	16,300
Edward G. Fisher Professor of English and Coordinator of the Green Center	17,300
S. Dale Foreman Associate Professor of Basic Engineering	14,100
Charles O. Frush Associate Professor of Mining Engineering	14,200
James H. Gary Vice President for Academic Affairs and Professor of Chemical and Petroleum- Refining Engineering	28,000
Richard D. Gauthier Assistant Professor of Basic Engineering	14,600
Richard George Geyer Research Associate in the Department of Geophysics	13,400
John O. Golden Associate Professor of Chemical and Petroleum-Refining Engineering	15,400

May 5, 1972

RECORD OF PROCEEDINGS

6

L. Trowbridge Grose Professor of Geology	\$17,500
Niles E. Grosvenor Professor of Mining Engineering	15,300
Raymond R. Gutzman Associate Professor of Mathematics	13,800
Frank A. Hadsell Professor of Geophysics	17,500
John P. Hager Professor of Metallurgical Engineering and Head of Department	17,800
David Warren Hall Associate Professor of Chemistry	14,700
John W. Hancock Associate Professor of Physical Education and Athletics	13,800
Jens Viggo Hansen Assistant Professor of English	11,400
John D. Haun Professor of Geology	18,300
John R. Hayes Professor of Geology	17,300
Paul G. Herold Professor of Metallurgical Engineering	19,500
Kent T. Higgins Coordinator for Public Information	9,800
Carl L. Hiltrop Associate Professor of Chemistry	13,400
John A. Hogan Assistant Professor of English	11,500
Ralph C. Holmer Professor of Geophysics and Head of Department	21,000
Virginia T. Howbert Librarian	9,000
Robert M. Hutchinson Professor of Geology	16,000
George W. Johnson Professor of English	15,400

May 5, 1972

RECORD OF PROCEEDINGS

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Leonard L. Johnson Assistant Finance Officer	\$11,100
James G. Johnstone Professor of Basic Engineering	16,700
Leonard Kalal Assistant Professor of Philosophy	12,400
Marvin L. Kay Assistant Professor of Physical Education and Athletics and Head Football Coach	12,800
Albert M. Keenan Professor of Mining Engineering and Head of Department	18,800
George V. Keller Professor of Geophysics	19,300
George H. Kennedy Associate Professor of Chemistry	13,600
Harry C. Kent Professor of Geology and Head of Department	19,800
Dragoljub M. Kesic Assistant Professor of Basic Engineering	14,100
Arthur J. Kidney Associate Professor of Chemical and Petroleum- Refining Engineering	14,800
John V. Kline Professor of Physics	16,700
Nancy J. Knepper Museum Curator	8,400
Charles A. Kohlhaas Assistant Professor of Petroleum Engineering	12,300
John O. Kork Assistant Professor of Mathematics	12,700
Truman H. Kuhn Vice President for Administrative Affairs	23,500
Thomas R. LaFehr Associate Professor of Geophysics	17,300
William B. Law Associate Professor of Physics	14,100
William E. Leckie Assistant to the Vice President for Administrative Affairs	14,000

RECORD OF PROCEEDINGS

8

Joseph R. Lee Professor of Mathematics and Head of Department	\$19,800
Keenan Lee Associate Professor of Geology	13,600
Paul H. LeFevre Assistant Professor of Chemistry	11,500
Merrill M. Lemke Director of Plant Facilities	16,800
L. W. LeRoy Professor of Geology	17,700
J. D. Lubahn Professor of Basic Engineering	18,300
George B. Lucas Professor of Chemistry	17,500
George Lynn Adjunct Professor as Conductor of the Glee Club	1,800
Maurice Major Professor of Geophysics	18,300
Donald C. B. Marsh Professor of Mathematics	15,200
Scott J. Marshall Assistant Professor of Basic Engineering	13,600
Gerard P. Martins Associate Professor of Metallurgical Engineering	13,300
Warren J. Mason Registrar	13,400
J. P. Mather Professor of Mineral Economics and Head of Department	19,300
Frank S. Mathews Professor of Physics	16,700
William A. Mattingly Instructor in English	9,400
Robert W. McAllister Associate Professor of Physics	15,800
Robert S. McCandless Assistant Professor of Physical Education and Athletics	11,600

May 5, 1972

RECORD OF PROCEEDINGS

9

George T. Merideth Professor of Geophysics	\$18,300
C. Samuel Miller Associate Professor of Physics	14,100
B. J. Mitchell Associate Professor of Petroleum Engineering	14,400
Fred E. Moore Professor of Geology	16,900
Charles S. Morris Director of Public Relations	14,000
Joseph A. Moyzis, Jr. Assistant Professor of Physics	12,800
Raymond K. Mueller Assistant Professor of Mathematics	13,400
Karl R. Newman Associate Professor of Geology	14,800
Carl G. Nordquist Assistant Professor of Mineral Economics	13,400
Robert W. Pearson Assistant Professor of Physical Education and Business Manager of Athletics	11,800
John A. Pederson Assistant Professor of Mineral Economics	12,400
Anton G. Pegis Vice President for Development and Student Affairs and Professor of English	23,500
Alfred Petrick, Jr. Coulter Professor in Mineral Economics	21,300
George R. Pickett Professor of Geophysics	17,700
Justin Pierce Assistant Professor of History and Philosophy	11,300
Rudolph R. Pinsky Assistant Director of Admissions	12,800
Ronald D. Preston Professor of Basic Engineering	14,800
Jon W. Raese Director of Publications	11,000
Robert D. Reed Associate Professor of Physics	13,800

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Robert G. Reeves Professor of Geology	\$18,700
Donald G. Roberts, M.D. School Physician and Head of Medical Department	11,300
Paul A. Rodgers Professor of Geophysics	17,300
Phillip R. Romig Research Associate in the Department of Geophysics	14,600
Oded Rudawsky Associate Professor of Mineral Economics	15,100
Arthur Y. Sakakura Associate Professor of Physics	14,800
A. W. Schlechten Alcoa Foundation Professor of Metallurgy and Director of the Institute of Extractive Metallurgy	24,000
John M. Shannon Adjunct Assistant Professor as Conductor of the Band	1,800
Elwyn Shimoda Assistant Professor of Chemical and Petroleum- Refining Engineering	12,900
Ruth B. Simon Research Associate, Department of Geophysics	13,500
Francis E. Smiley, Jr. Dean of Students and Associate Professor of Basic Engineering	19,400
George T. Sisson Laboratory Assistant in Chemistry	10,800
Maynard Slaughter Professor of Chemistry	19,300
Margaret Smart Librarian	12,000
David T. Snow Associate Professor of Geology	15,700
Richard E. Stapp, Jr. Associate Professor of Physical Education and Athletics	12,700
Charles W. Starks Assistant Professor of Chemistry	13,000
Gurnett Steinhauer Vice President for Business Affairs	23,500

May 5, 1972

\$18,500	Franklin J. Stermole Director of Research Development and Professor of Chemical and Petroleum-Refining Engineering
13,400	Huntington S. Swanson Associate Professor of Mathematics
11,600	Robert J. Taylor Assistant Professor of Basic Engineering
9,800	John C. Thomas Research Associate, Department of Chemical and Petroleum-Refining Engineering
14,100	David W. Trexler Associate Professor of Geology
12,700	A. Keith Turner Assistant Professor of Geology
15,800	Frank R. Utter Finance Officer
17,800	Samuel E. Vandiver Professor of Humanities and Social Science and Head of Department
5,000	H. K. van Poolen Adjunct Professor of Petroleum Engineering
19,300	Robert J. Weimer Professor of Geology
16,700	Walter W. Whitman Professor of Mathematics
16,600	Virginia Lee Wilcox Head Librarian
13,200	Thomas Wildeman Assistant Professor of Chemistry
17,500	John T. Williams Professor of Chemistry
12,700	Milton A. Wittse Assistant Professor of Geology
14,100	Robert D. Witters Associate Professor of Chemistry
17,300	Robert Eugene Donald Woolsey Professor of Mathematics, Principal Scientist and Associate Director of the Computing Center
3,400	John I. Wray Adjunct Professor of Geology

RECORD OF PROCEEDINGS

F. Richard Yeatts \$14,100
Associate Professor of Physics

Faculty and Administrative Contracts. President McBride asked the Board to consider the question of the utility and desirability of formal contracts for teaching and administrative personnel. The advantages and disadvantages were discussed and President McBride was instructed to pursue the matter further with representatives of the faculty and administration.

Public Relations Consultant. The President and the Board discussed the need for the expertise of persons outside our organization to help us (1) develop a continuing relationship with the legislature to enable us to accomplish our mission; and (2) attract to this institution the right type and number of students we must have to operate efficiently.

The situation with regard to the legislature and enrollment was deemed sufficiently serious that there was held to be justification to request the CSM Foundation to allocate funds to underwrite this kind of assistance. The matter is on the agenda for discussion at the May 10, 1972 CSM Foundation meeting and all members of the Board were invited to the meeting to participate in the discussion.

Availability of Minutes of the Executive Session. President McBride reported to the other members of the Board a letter he had received from the State Auditor, copies of which had been sent to Mr. Stockmar and Mr. Eisenach, requesting access to the minutes of the executive sessions held by the Board.

It was the consensus of the Board that such sessions had been properly held, and minutes kept, with the unexceptionable intention to protect personnel, property negotiations, etc. but if the State Auditor insisted upon examination of these minutes, then examination would be allowed of the minutes as they exist now, per informal opinion of the Attorney General, but that in the future no minutes would be kept.

It was specifically pointed out that during the course of executive sessions previously held by the Board, all laws had been complied with in that no action had been foreshadowed which had not been properly noticed, discussed, considered, and finally taken in subsequent public, open meeting.

Married Student Housing. President McBride reported to the Board that the CCHE has rejected request for approval of the plans for the married student housing, saying we do not have a valid current long-range plan on file with them.

The Commission says that the plan we have filed does not conform to the guidelines which they furnished.

We say both that these "guidelines" have not been implemented and that even if they had, CSM was granted specific exception to them at a meeting prior to our planning project.

With regard to the financial advisor, Mr. Steinhauer was instructed to proceed with a commercial firm of the administration's selection.

1972-73 Budget. President McBride distributed copies of a tabulation showing current and proposed budget figures. In adhering to the line items in the Long Bill we have not raised salaries 5 percent as specified but 2.35 percent as funded. We have attempted to submit honest budget requests, but the Long Bill provided funding \$10,000 short of our needs and we may be compelled to submit a supplemental appropriation request to cover the deficit. Hope was expressed that communications can be improved between the legislative branch and the School.

The Board approved the 1972-73 budget in the total amount of \$5,034,642 as shown in the budget tabulation appended to and made a part of these minutes with the following understandings:

1. That the figure of \$5,034,642 includes amounts expected to be allocated to CSM for computer services, student aid, library books, etc. and that the final figure cannot be accurately computed until these amounts have been determined;
2. That the approved budget is very nearly the same budget noted in the tabulation as the "EBO/CCHE Budget 1972-73" decreased by amounts corresponding to a lower faculty salary increase and to a decrease in FTE faculty. This budget was approved by the Board at its December 10, 1971 meeting as the minimum acceptable budget for CSM needs;
3. That the appended budget tabulation be foot-noted ex post facto to show the adjustments referred to in "2" above;
4. That the approved budget is in principle a deficit budget which may require either further adjustment or a supplemental appropriation to bring expenditures and income into congruence but that such requirements can be determined only after fall registration figures are known; and
5. That it was and will be necessary to deviate in minor respects from strict adherence to the line item budget breakdowns ostensibly embedded in the Long Bill.

RECORD OF PROCEEDINGS

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Tuition. In the budget discussions the Trustees were made aware that the legislative budget was based on the following tuition rates:

Resident	\$ 439
Nonresident	1,758

Acting on this information, the Trustees established tuition rates at the Colorado School of Mines for the school year 1972-73 at these figures. The tuition charges for the summer session and field courses for the summer of 1973 will be based on these figures.

Associated Students Budget, 1972-73. President McBride distributed copies of a budget in the amount of \$44,015. He asked tentative approval of this budget and said that he had instructed the Associated Students to prepare a firm budget for formal approval at the October meeting.

Monthly Reports. Mr. Steinhauer distributed for consideration the monthly reports as follows: Balance Sheet, April 30, 1972; Summary for Budget Appropriation and Disbursements, April 30, 1972; Budget Summary for Open End Bond Issue, April 30, 1972; Budget Summary for 1966 Bond Issue, April 30, 1972; Budget Summary for State Rental Properties, April 30, 1972; Budget Summary for Health and Accident Plan, April 30, 1972; Budget Summary for CSM Athletic Association, April 30, 1972; Budget Summary for Associated Students of CSM, April 30, 1972; Office of Research Services Overhead Fund, April 30, 1972; and Office of Research Services Contract Funds, April 30, 1972.

The meeting adjourned at 1:00 p.m.

Assistant Secretary

	EBO/CCHHE Recommended Budget	Recommended 1972-73 Budget	
RESIDENT INSTRUCTION			
Academic Faculty	2,188,422	2,064,433	
Support Staff	300,582	306,095 (1)	
Other	143,643	112,415	
Sub-Total	2,632,647		2,482,943
ORGANIZED ACTIVITIES			
Sub-Total	26,980	26,980	26,980
ORGANIZED RESEARCH			
Sub-Total	22,000	15,000	22,000
LIBRARY			
Prof. Staff	75,990	74,358	
Support Staff	61,474	63,963(1)	
Other	50,297	60,976	
Sub-Total	187,761		199,297
MUSEUM			
Prof. Staff	9,081	9,349	
Support Staff	650	250	
Other	1,250	1,388	
Sub-Total	10,981		10,987
GEN. ADMIN. & GEN. INST.			
Prof. Staff	203,990	215,992	
Support Staff	184,206	191,666(1)	
Other	175,010	184,812	
Sub-Total	563,206		592,470
STUDENT SERVICES			
Prof. Staff	71,881	73,125	
Support Staff	54,278	58,364(1)	
Other	14,150	11,549	
	140,309		143,038
DATA PROCESSING			
Sub-Total	281,847	270,000	281,847
PHYSICAL PLANT			
Prof. Staff	17,631	18,174	
Support Staff	659,205	706,283(1)	
Other	189,310	194,407	
Sub-Total	866,146		918,864
STUDENT AID			
Sub-Total	217,749	217,749	217,749
CAPITAL OUTLAY			
Sub-Total	95,000	74,435	74,435
INTERCOLLEGIATE ATHLETICS			
Sub-Total	82,879	82,879(1)	82,879
	<u>5,127,505</u>	<u>5,034,642</u>	

NOTE:

(1) The support staff salaries and benefits as reflected in the EBO/CCHH budget did not include Salary Adjustment Act, Merit and staff benefits. The figures reflected in the recommended budget for 1972-73 do include these salary adjustment and benefit increases totaling \$73,370.

RECORD OF PROCEEDINGS

Golden, Colorado
June 9, 1972

The Board of Trustees met in regular session at 9:00 a.m. on June 9, 1972, in the President's Office of the Colorado School of Mines.

Present: Messrs. Alexander, Bradley, Eisenach, Stockmar, and Volk.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. Attention was called to the repetition of two names and positions on Page 2 of the minutes of the meeting held on May 5, 1972. Deletion of the repetition was directed and the minutes were approved as corrected.

Faculty Appointments. President McBride reviewed the following new appointments:

Richard C. Robinson \$14,000
Assistant Professor of CPR Engineering

Fun-Den Wang 14,500
Associate Professor of Mining Engineering

President McBride reported the following promotion:

Leonard Kalal 13,000
Associate Professor of Philosophy

Leaves of Absence. President McBride reviewed for the Board a request made by Professor Niles E. Grosvenor that he be granted a leave without pay for the 1972-73 school year. President McBride, upon the recommendation of Professor Keenan and Dr. Kuhn, recommended approval of this leave with the understanding that Professor Grosvenor's return be contingent upon there being a position for him at the end of the leave of absence. ✓

Upon motion made, seconded, and carried, the Board approved the leave of absence for Professor Niles E. Grosvenor under the conditions recommended by President McBride.

June 9, 1972

RECORD OF PROCEEDINGS

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President McBride presented to the Board a request from Dr. Frank A. Hadsell that he be granted a leave of absence without pay for the 1972-73 academic year. Dr. Hadsell is requesting the leave to enable him to work at the Mobil Field Research Laboratory in the general area of seismic exploration for oil. The experience gained by Dr. Hadsell should add to his value as a teacher. President McBride stated that in this case he felt the School would have an obligation to hold a position for Dr. Hadsell. It is Dr. Hadsell's intention to return.

Upon motion made, seconded, and unanimously passed, the leave of absence without pay for the 1972-73 school year was approved for Dr. Frank A. Hadsell.

Doctorate in Mineral Economics. President McBride asked the Board if the proposal originated by Professor Mather to offer a program leading to a doctorate in Mineral Economics had been found worthy of approval and recommendation to the Colorado Commission on Higher Education.

President McBride also distributed copies of a memorandum from Professor Mather which dealt with the question of whether a doctoral program in the department would add to or subtract from the undergraduate program. It was the opinion of Professor Mather that the new program would benefit the undergraduate program.

Upon motion made, seconded, and unanimously passed, the program for a doctoral degree in Mineral Economics Department was approved.

Mr. Steinhauer entered the meeting at this time.

Proceeds from the Sale of Wild Horse Park. Mr. Steinhauer reported that the moneys realized from the sale of Wild Horse Park was received in the last fiscal year and deposited this fiscal year in a Certificate of Deposit at the Bank of Denver.

Upon motion made, seconded, and unanimously passed, the Board adopted the following resolution:

RESOLVED that the net proceeds of the sale of Wild Horse Park to the U. S. Army Corps of Engineers are hereby established as an endowment fund of the Colorado School of Mines, pursuant to the Opinion issued by the Attorney General of the State of Colorado on August 5, 1971, and that this fund shall show as an endowment fund on the accounting records of the Colorado School of Mines.

RECORD OF PROCEEDINGS

3

Budgets:

Associated Students Health and Accident Plan, 1972-73. The proposed budget presented by Mr. Steinhauer showed expenditures over income in the amount of \$17,176. This amount will have to be taken from the surplus which has been built up in previous years. ✓

The Board approved the budget in the amount of \$64,870.

Athletic Association, 1972-73. Upon the recommendation of Mr. Steinhauer, the Board approved a budget in the amount of \$60,800. ✓

Self-Maintaining Properties, 1972-73. Upon the recommendation of Mr. Steinhauer, the Board approved the budgets for the individual self-maintaining properties as appended. ✓

Monthly Reports. Mr. Steinhauer distributed the monthly reports as follows: Balance Sheet, May 31, 1972; Summary for Budget Appropriation & Disbursements, May 31, 1972; Budget Summary for Open End Bond Issue, May 31, 1972; Budget Summary for 1966 Bond Issue, May 31, 1972; Budget Summary for State Rental Properties, May 31, 1972; Budget Summary for Health and Accident Plan, May 31, 1972; Budget Summary for CSM Athletic Association, May 31, 1972; Budget Summary for Associated Students of CSM, May 31, 1972; Office of Research Services Overhead Fund, May 31, 1972; and Office of Research Services Contract Funds, May 31, 1972;

Dr. Chester M. Alter. Dr. Alter entered the meeting at this time to discuss with the Board the present and future of the School. Dr. Alter, Chancellor of the University of Denver from 1953 to 1967, is now a member of a firm which furnishes advisory services for business and institutional leadership. ✓

The meeting adjourned at 12:10 p.m.

Secretary

June 9, 1972

PROPOSED BUDGET SUMMARY

**1962 BOND ISSUE
FOR FISCAL YEAR 1972-73**

INCOME

		ACTUAL BUDGET	PROPOSED BUDGET
BRADFORD HALL	021-552-251-	24,313.00-	28,820.00-
RANDALL HALL	021-552-252-	27,213.00-	28,820.00-
STUDENT CENTER	021-511-253-	71,545.00-	81,065.00-
DINING HALL	021-552-254-	199,638.00-	211,408.00-
PROS VILLAGE	021-551-255-	83,000.00-	86,600.00-
PROS PARK	021-551-256-	21,630.00-	20,562.00-
MINES PARK	021-551-257-	41,094.00-	45,515.00-
INTEGRAL CLUB	021-553-258-	7,500.00-	6,170.00-
MINES PARK ADD	021-551-259-	14,706.00-	15,266.00-

TOTAL INCOME

490,639.00-*

524,226.00-*

EXPENDITURES

BRADFORD HALL	021-812-251-	20,042.00	22,953.00
RANDALL HALL	021-812-252-	17,561.00	25,485.00
STUDENT CENTER	021-811-253-	70,731.00	56,183.00
DINING HALL	021-832-254-	163,180.00	190,260.00
PROS VILLAGE	021-812-255-	31,027.00	52,202.00
PROS PARK	021-812-256-	11,530.00	15,737.00
MINES PARK	021-812-257-	30,503.00	37,487.00
INTEGRAL CLUB	021-832-258-	7,699.00	7,262.00
MINES PARK ADD	021-812-259-	8,593.00	12,008.00

NET INCOME

360,866.00 *

419,577.00 *

PROPOSED BUDGET SUMMARY

1966 BOND ISSUE

FOR FISCAL YEAR 1972-73

		ACTUAL BUDGET 1971-72	PROPOSED BUDGET 1972-73
INCOME			
THOMAS HALL	031-552-261-	27,863.00-	36,040.00-
MORGAN HALL	031-552-262-	26,813.00-	34,015.00-
		54,676.00-*	70,055.00-*
EXPENDITURES			
THOMAS HALL	031-812-261-	19,606.00	28,295.00
MORGAN HALL	031-812-262-	19,139.00	23,428.00
NET INCOME		38,745.00 *	51,723.00 *

PROPOSED BUDGET SUMMARY

CSM HOUSES #2
FOR FISCAL YEAR 1972-73

		ACTUAL BUDGET 1971-72	PROPOSED BUDGET 1972-73
INCOME			
CSM HOUSES #2	051-551-280-	12,027.00-	12,578.00-
CALDWELL HALL	051-551-281-	7,613.00-	7,030.00-
TOTAL INCOME		19,640.00*	19,608.00*
EXPENDITURES			
CSM HOUSES #2	051-832-280-	5,429.00	9,218.00
CALDWELL HALL	051-812-281-	8,769.00	11,188.00
NET INCOME		14,198.00 *	20,406.00 *

RECORD OF PROCEEDINGS

Golden, Colorado
July 21, 1972

In substitution of the regularly scheduled meeting for July, the Board of Trustees met on July 21, 1972, at 9:00 a.m., in the President's Office of the Colorado School of Mines.

Present: Messrs. Alexander, Bradley, Stockmar, and Volk.

Absent: Mr. Eisenach.

President McBride and Mr. Steinhauer attended the meeting.

Mr. Stockmar, President of the Board, presided.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on July 9, 1972 were approved.

Faculty Appointments. President McBride reviewed the following new appointments to the faculty:

James E. White	\$8,700
Adjunct Professor in Geophysics Department	

Thuus B. Johnson	18,000
Professor of Mining Engineering	

Professor Albert M. Keenan. President McBride reported to the Board that Professor Keenan had resigned as Head of the Mining Engineering Department. His continuation as Professor of Mining Engineering has not been determined.

Enrollment. President McBride reviewed for the Board the status of the enrollment figures as of the present time. There are now approximately 400 new students (undergraduate) intending to register, transfer students and new freshmen. If these registrations materialize, we shall be in line with the budget/enrollment predictions made to the Board at the meeting of March 10, 1972.

Constitutional Amendment re C.U. President McBride reported to the Board that he had received from C.U. President Thieme a copy of the amendment which will appear on the ballot at the general election in November. The amendment increases the size of the Board of Regents from six to nine and removes from the President of the

July 21, 1972

RECORD OF PROCEEDINGS

Golden, Colorado
August 11, 1972

The Board of Trustees met in regular session at 9:00 a.m. on August 11, 1972 in the President's Office of the Colorado School of Mines.

Present: Messrs. Bradley, Eisenach, Stockmar, and Volk.

Absent: Mr. Alexander.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on July 21, 1972 were approved with the following change: The revised budget for 1972-73 in the amount of \$5,177,301 was approved. (Change from \$5,052,559.)

The Board was informed that the original figure, \$5,052,559 was in error, being the estimated income rather than the expected expenditures of \$5,177,301. Obviously, the difference in these two numbers is the amount of the deficit in the budget, and President McBride pointed out that this deficit was made up of the \$10,000 general operating deficit already reported to and discussed with the Board and an amount of \$115,000 for the operation of the Office of Research Services. This latter amount was omitted from our budget by the Joint Budget Committee, presumably through clerical error and misunderstanding, and Representative Friedman, Chairman of the JBC, has undertaken (8/10/72) to receive and generally look with favor upon a supplemental appropriation request in this amount.

The Board understood that this supplemental appropriation request could not be perfected until fall enrollment figures have been determined.

Faculty Changes and Appointments. President McBride reported the following changes:

Albert M. Keenan
Resignation

George T. Bator \$18,600
Professor of Mining Engineering and
Acting Head of Department

August 11, 1972

RECORD OF PROCEEDINGS

2

Earl K. Madsen \$2,000
Adjunct Assistant Professor of
Mineral Economics

Commencement Speaker. There was some discussion of possible Commencement speakers for 1973, and President McBride was instructed to address an invitation to Justice Byron L. White.

Legislative Relations. The Board discussed at some length the need, which perhaps has become more apparent in the last year or two than before, to acquaint the members of the Colorado General Assembly with the mission and accomplishments of the School to the end that the mission be reaffirmed and properly supported by the Assembly.

Campus Plan Implementation. President McBride reported to the Board that he has been notified of the CCHE's official approval of our "Warnecke-Painter" campus plan. This approval enables the School to begin negotiations with the City of Golden to close certain streets in the campus area, and President McBride was instructed to move in this direction. ✓

Mr. Steinhauer entered the meeting at this time.

Architect - Married Student Housing. Mr. Steinhauer had prepared and given to the President a list of possible architects for the married student housing being planned. This list was reviewed and the members of the Board addressed explicit instructions to the President and Mr. Steinhauer on the importance of the appearance of these structures, together with the importance of good construction. ✓

Monthly Reports. Mr. Steinhauer distributed the monthly reports as follows: Balance Sheet, as of July 31, 1972; Summary for Budget Appropriation & Disbursements, as of July 31, 1972; Budget Summary for Open End Bond Issue, as of July 31, 1972; Budget Summary for 1966 Bond Issue, as of July 31, 1972; Budget Summary for State Rental Properties, July 31, 1972; Budget Summary for Health & Accident Plan, July 31, 1972; Budget Summary for CSM Athletic Association, July 31, 1972; Budget Summary for Associated Students of CSM, July 31, 1972; and Office of Research Services Contract Funds, July 31, 1972.

The meeting adjourned at twelve noon.

Secretary

August 11, 1972

RECORD OF PROCEEDINGS

Golden, Colorado
September 8, 1972

The Board of Trustees met in regular session at 10:30 a.m., on September 8, 1972, in the President's Office of the Colorado School of Mines.

Present: Messrs. Bradley, Stockmar, and Volk.

Absent: Messrs. Alexander and Eisenach.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on August 11, 1972 were approved.

Faculty Appointments. President McBride reviewed the following new appointments to the faculty:

Wilbur I. Duvall	\$6,000
Adjunct Professor of Mining Engineering	

Thomas Philipose	10,000
Assistant Professor of Humanities and Social Science.	

Enrollment. President McBride distributed a summary of enrollment as of September 7. Based upon these figures, the total enrollment is expected closely to approximate the projections upon which our 1972-73 internal budget was based, and President McBride stated he saw no reason for further budget consideration at this time. If enrollments do not materialize, appropriate budget changes will be recommended to the Board in October.

Architect. President McBride reported to the Board that in accordance with the directive received by him at the August Board meeting, and subject to Board approval at this meeting, he had done extensive interviewing and investigation with the view of selecting the best architect for the married student housing project.

He reported that in his considered judgment, the best architect for the job we want done is Mr. Michael Lombardi of Michael Lombardi & Associates. Mr. Lombardi

September 8, 1972

understands the necessity of staying within the cost limitations and he has agreed to accept a 5-3/4 percent fee.

Upon motion made, seconded, and passed, the employment of Mr. Michael Lombardi was approved.

Centennial Planning. Brief mention was made of the summary report prepared by Dr. Kuhn and distributed by mail to the Board members on plans for the 1974 Centennial. It was agreed that Dr. Kuhn should be invited to the October meeting to discuss the plans.

Mr. Steinhauer entered the meeting at this time.

Monthly Reports. Mr. Steinhauer reviewed the monthly reports as follows: Balance Sheet, as of August 31, 1972; Summary for Budget Appropriation & Disbursements, as of August 31, 1972; Budget Summary for Open End Bond Issue, as of August 31, 1972; Budget Summary for 1966 Bond Issue, as of August 31, 1972; Budget Summary for State Rental Properties, as of August 31, 1972; Budget Summary for Health & Accident Plan, as of August 31, 1972; Budget Summary for CSM Athletic Association, as of August 31, 1972; Budget Summary for Associated Students, as of August 31, 1972; and Office of Research Services Contract Funds, as of August 31, 1972.

The meeting adjourned at 12:00 noon.

Assistant Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
November 10, 1972

The Board of Trustees met in regular session at 9:00 a.m., on November 10, 1972, in the President's Office of the Colorado School of Mines.

Present: Messrs. Alexander, Bradley, Eisenach, Stockmar, and Volk.

Absent: None.

President McBride and Dr. Chester Alter attended the meeting.

Mr Stockmar, President of the Board, presided.

Vouchers as listed in Exhibit A and Exhibit B attached were examined and allowed.

Previous Minutes. The minutes of the last meeting held on September 8, 1972 were approved.

Date of December Meeting. Upon the request of President McBride who foresaw a conflict, the date of the meeting for December was changed to December 15.

Estate of William Ernest Norden. President McBride reported to the Board that Mr. Norden, Class of 1934, had left a bequest of approximately \$50,000 to the School. In connection with this bequest there was a Refunding Bond and Release for an initial cash payment of \$46,200 to be signed by the President of the School and the Secretary of the Board. These signatures were authorized. ✓

Distinguished Achievement Medals. Mr. Stockmar reappointed the same committee of Board members, Messrs. Alexander, Eisenach, and Volk, to receive recommendations from an alumni committee on 1973 recipients of medals.

President McBride was instructed to reactivate an alumni committee, consulting as necessary with the Board committee. The objective of the effort is to have recommendations for the Board at the January meeting. ✓

Board Representation at Diploma Presentation. It was agreed that Mr. Bradley would accept the candidates for degrees at the December 21 diploma presentation.

Commencement Speaker. President McBride reported to the Board that through the efforts of Mr. Eisenach, he had received acceptance from Mr. John B. M. Place, President, The Anaconda Company, of his invitation to give the Commencement speech on May 11, 1973. ✓

November 10, 1972

Leave of Absence. President McBride reported to the Board that Dr. Robert D. Reed, Associate Professor of Physics, was requesting a leave of absence in order that he could accept employment in another state, effective January 1, 1973.

Upon motion made, seconded, and unanimously passed, a one-year leave of absence without pay was granted to Dr. Robert D. Reed, effective January 1, 1973.

Academic Leave. President McBride presented a request from Dr. Joseph R. Lee for an academic leave for the 1973-74 school year. Dr. Lee has asked to be relieved of his duties as Department Head, Mathematics Department, as of the end of this school year. President McBride reported that the resignation as Department Head has been accepted and that effective with the end of this school year, Dr. Lee's title will be Professor of Mathematics.

President McBride recommended that Dr. Lee be granted academic leave at one-half pay for the 1973-74 school year, such pay being subject to the availability of funds.

Upon motion made, seconded, and unanimously passed, the academic leave was approved.

Faculty Changes. President McBride reported the following changes:

Joseph H. Moyzis, Assistant Professor of Physics, resignation, effective October 23, 1972.

Kent Higgins, Coordinator for Public Information, resignation, effective September 30, 1972.

F. Richard Yeatts, Associate Professor of Physics, on academic leave at one-half salary, salary changed to three-fourths.

Truman H. Kuhn, Vice President for Administrative Affairs, request to chair consortium committee, College of Petroleum & Minerals, Dhahran, Saudi Arabia, approved.

Faculty Appointments. President McBride reported the following new appointments:

Gerald A. Peters \$9,500
Coordinator for Public Information

James W. Martin 15,000
Associate Professor of Basic Engineering

Scott Turner Mining Collection. President McBride reported on a call he had received from Dr. James Boyd, who said he might obtain for the School the

collection of Mr. Scott Turner. The collection consists of manuscripts, books, and mineral specimens of Mr. Turner, former director of U. S. Bureau of Mines and distinguished mining engineer.

The Board authorized President McBride to enter into negotiations for the collection with due concern for any resulting cost to the School.

Ph.D. Degree in Mineral Economics. By way of review, the Trustees recalled that the proposal for CSM to offer the Ph.D. in Mineral Economics, effective 1972, had been approved by them at their meeting of June 9, 1972. It was further recalled that the staff of the CCHE had, for various reasons including a desire not to act contrary to the expectations of the Legislative Joint Budget Committee, indicated a negative view toward the proposal. Recently, however, Professor Mather has been invited to a November 13 meeting of a subcommittee of the Commission for the apparent purpose of giving the subcommittee justification for approving such a degree.

The matter remains in doubt and will be reported upon at the next Board meeting.

Rocky Mountain Athletic Conference. President McBride reported to the Board that Coach Brennecke was recommending that Mines withdraw from the RMAC, but that all recognized that old loyalties and commitments made such a step difficult to take.

The matter was left to the discretion of the administration assuming proper liaison and reporting to the Board.

Clear Creek Ponding. President McBride stated that some beautification of Clear Creek is proposed and several dams are being discussed. In order to protect the dams, a gravel trap will be necessary, and this would have to be on property owned by the School.

It was the consensus that the School should cooperate with the City in this matter, if at all possible.

Vice Presidents - Reports. At the invitation of the Board, the vice presidents entered the meeting to discuss their areas of responsibility.

Dr. Kuhn. Dr. Kuhn enumerated his responsibilities as follows: institutional planning and projects; Safety Committee; Arthur Lakes Library; intercollegiate athletics; continuing education; the Green Center; Potential Gas Agency; liaison with CCHE; representative to the Colorado Association of International Education; member of Consortium Committee - College of Petroleum & Minerals, Dhahran, Saudi Arabia; member of ECPD Engineering Education Accreditation Committee; and chairman of the Centennial Committee.

Mr. Steinhauer. Mr. Steinhauer stated that, speaking for the Business Office, their responsibilities have to do with all financial affairs and financial reporting for the School; budget and personnel; purchasing; buildings and grounds; all self-maintaining properties; and central services. Mr. Steinhauer said he personally made decisions on residency status with regard to payment of tuition. He said the operation of the CSM Foundation is currently within the Business Office. He is an ex officio officer of the CSM Research Institute.

Mr. Steinhauer gave the Board a report on the Legislative Audit Committee hearing of October 13, 1972. Mr. Steinhauer, Dr. McBride, Mr. Bradley, and Mr. Eisenach attended the hearing.

Dr. Gary. Dr. Gary gave his concern as the instructional program - student services, curricula, and faculty.

Dr. Gary said the curricula are being studied continually and at the present time a committee is reviewing the core courses taken by all students during the first year and a half at Mines. Particular attention is given to balance between science and engineering. Cooperation between the departments is of utmost importance in assuring the coursework to be topical.

With regard to the faculty, Dr. Gary said one major concern is salary distribution; another concern is the the evaluation of faculty productivity.

Mr. Bradley left the meeting at this time.

Dr. Pegis. Dr. Pegis stated he was Vice President for External Affairs which includes public relations, public information, and publications. An essential concern is the image of the School. Dr. Pegis said the image affects enrollment, acceptance of our mission, and broader financial support. His staff is working with the departments and is reporting programs of special interest; he is working with the Office of Research Services to solicit funds for special projects; he is continually looking for broader financial support and creating contacts with legislators, staffs of state government agencies, and representatives of industry.

Mr. Stockmar, speaking for the Board, thanked the vice presidents for their presentations. Dr. Kuhn, Dr. Gary, and Dr. Pegis left the meeting at this time.

Resident/Nonresident Tuition. President McBride reported on letter received from Dr. Abbott, CCHE, in which Dr. Abbott asked that action on reclassification of students for residency status be deferred until after a forthcoming meeting, to be held on November 17. ✓

Mr. Steinhauer reviewed for the Board the action which has been taken thus far, i.e. publication in the Oredigger of notice of Supreme Court decision, instructions on method to be used to obtain change in status, and reported that there were approximately twenty-five requests for change at this time.

The Board instructed Dr. McBride to take no further action on individual student requests until the November 17 meeting had been held and further instructions received.

Associated Students Budget, 1972-73. Mr. Steinhauer said the Associated Students had presented a balanced budget in the amount of \$45,937, replacing the budget in the amount of \$44,015 approved by the Board at the May 5, 1972 meeting.

Upon Mr. Steinhauer's recommendation, it was moved, seconded, and unanimously passed that the Associated Students budget for 1972-73 in the amount of \$45,937 be approved.

Married Student Housing. President McBride reported that work was proceeding on the married student housing, and that in line with requirements of the HUD a financial consultant has been engaged. The firm of Gerwin and Company has been employed at a cost of \$4,456. In the event the bonds are not sold, the agreement will be negated. Mr. Steinhauer, with the concurrence of President McBride, recommended that the School use the services of Talmadge & Talmadge as bond counsel.

Upon motion made, seconded, and unanimously approved, the two contracts were approved.

Property - 1108 19th Street. Mr. Steinhauer reviewed an appraisal of this property which is in the area to be used for the new married student housing. The property is appraised at \$12,000 and Mr. Steinhauer said he would like to effect a trade with property owned by the School on upper 19th Street.

Mr. Steinhauer was authorized to investigate the possibilities and bring a recommendation to the Board.

Monthly Reports. Mr. Steinhauer distributed the

monthly reports as follows: Balance Sheet, October 31, 1972; Summary for Budget Appropriation & Disbursements, as of October 31, 1972; Budget Summary for Open End Bond Issue, October 31, 1972; Budget Summary for 1966 Bond Issue, October 31, 1972; Budget Summary for State Rental Properties, October 31, 1972; Budget Summary for Health & Accident Plan, October 31, 1972; Budget Summary for CSM Athletic Association; Budget Summary for Associated Students, October 31, 1972; and Office of Research Services Contract Funds, October 31, 1972.

The meeting adjourned at 1:00 p.m.

RECORD OF PROCEEDINGS

Golden, Colorado
December 15, 1972

In substitution of their regular meeting, the Board of Trustees met on December 15, 1972, at 1:00 p.m., in the President's Office of the Colorado School of Mines.

Present: Messrs. Bradley, Stockmar, and Volk.

Absent: Messrs. Alexander and Eisenach.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on November 10, 1972 were approved.

Candidates for Degrees. President McBride distributed lists of candidates for degrees as recommended by the faculty.

Upon motion made, seconded, and unanimously passed, the following were approved for degrees on December 21, 1972, subject to the completion of all academic requirements and continued compliance with school requirements.

BACHELOR OF SCIENCE (MINING ENGINEERING)

Klassen, Walter Waldemar	Purswell, Robert Louis
Lauman, Michael Dennis	Soedartomo, Sigit
Peppin, Clyde Henry	Wishart, Robert Forest
Plocus, Van George	Zink, Gerald Paul

ENGINEER OF MINES

McDowall, David George

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

Crutchfield, Charles Mike	Schlosser, Robert Roy
Ljungvall, Mark Wesley	Simmons, Gary Lynn
Patterson, Richard Alan	Strasser, John Francis
Phillips, Ronald Leon	Taylor, Richard Brien
Pittinger, James Edward	Sullivan, Eric Charles

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Bartshe, R. Timothy	Mead, Douglas Craig
Kornze, Larry David	Pritchett, Ronald Warren
Lehto, Larry Eugene	Saenger, George Eric
MacMillan, Logan T., Jr.	Williams, Albert Clayton

GEOLOGICAL ENGINEER

Branch, James Christian
Lang, Ralph Handley, Jr.

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

Arnim, Robert Charles II	Krugman, Dwayne Gene
Collins, Timothy	Long, Michael George
El-Amir, Nagiati Abdurrazk	Sjogren, Albert Herbert Jr.

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Amaya, Douglas David	McFadden, Gene Howard
Ballut, Abdullah A.	Polhamus, James Albert II
Fields, Willie Ray	Prutch, Samuel Charles
Foard, John Phillip	Roark, Michael Joseph
Harnly, Lynn David	Robie, Christopher Parks
Jensen, Louis Dwight	

PETROLEUM REFINING ENGINEER

Roane, Kenneth Irving Jr.

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

Chilcoat, Steven Ralph	Schwartz, David Mark
Jong, Howard Ying	Webring, Michael Wayne

MINERAL ENGINEER - CHEMISTRY

Jensen, Carl Marlowe

BACHELOR OF SCIENCE (MINERAL ENGINEERING-MATHEMATICS)

Barber, Lance Alan
Leicht, John O.

MASTER OF ENGINEERING (ENGINEER OF MINES)

Kewal Krishan Kohli

MASTER OF SCIENCE (MINING ENGINEERING)

Elizabeth Lenore Gibbs	Manuel S. Reyes
Anil Mahyera	Franklin Robinson
William F. Martin, Jr.	

MASTER OF SCIENCE (METALLURGICAL ENGINEERING)

VeluAnnamalai
Juan E. Joffre

MASTER OF SCIENCE (GEOLOGY)

Harry James Briscoe, Jr.	Robert John Odien
Thomas Edwin Dimelow	Jorge E. Julian RestrepoAlvarez
OguzIrtem	

MASTER OF SCIENCE (GEOLOGICAL ENGINEERING)

Stephen Douglas Schwochow

MASTER OF ENGINEERING (PETROLEUM ENGINEER)

Haggi A. Abusahmen

MASTER OF ENGINEERING (CHEMICAL AND PETROLEUM-
REFINING ENGINEER)

Rodrigo Fuenmayor Rosania

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-
REFINING ENGINEERING)

Gary L. Baughman
Szu-Ming Sung

Stephen Paul Westhoff
Gary Eugene Whatley

MASTER OF SCIENCE (GEOPHYSICS)

Willy Zenon Barreda Rodriquez
Eduard de Ridder
Jorge Parra Moya

MASTER OF SCIENCE (CHEMISTRY)

John Charles Jarvis

MASTER OF SCIENCE (MATHEMATICS)

David William Armstrong
Yasumichi Kojima
Ribert William Wiley

MASTER OF SCIENCE (PHYSICS)

Harold E. Clark
Robert Lee Sandefur

MASTER OF SCIENCE (MINERAL ECONOMICS)

Eliezer Braz Pereira
Omar A. Tovar N.

MASTER OF SCIENCE (GEOCHEMISTRY)

Richard K. Glanzman

DOCTOR OF PHILOSOPHY (MINING ENGINEERING)

Jose Filomeno Teixeira Agapito

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING)

Joseph J. Krupar, Jr.

RECORD OF PROCEEDINGS

4

DOCTOR OF PHILOSOPHY (CHEMICAL AND PETROLEUM- REFINING ENGINEERING)

Manuel F. Pedraja-Santos

DOCTOR OF PHILOSOPHY (GEOPHYSICS)

Dominique Giulj

Community College of Denver - Use of Campus Space. President McBride referred to a memorandum of December 7, 1972 which he had mailed to the Board members summarizing the request he had received from CCHE for temporary use of space by the West Campus of CCD.

It was the consensus that some of our buildings are under-utilized at the present time as a result of our having made careful plans for a considerable increase in enrollment. And it is correct that because of this present under-utilization some space can be made available, but not instantly or without cost. There will be time and cost involved in relocating functions. Also, there will be problems involved in the natural resistance of our faculty and students. ✓

It was moved, seconded, and unanimously passed that the plan for the CCD to share our campus was approved in principle, based on President McBride's memo to the Board (copy attached).

Married Student Housing. President McBride showed plans (interior) and an architectural rendering of the married student housing project. Having already approved the plans, the Board approved the general appearance of the project with the stipulation that excess funds, if any, be utilized to provide those small exterior additions or decorations which would, in the architect's opinion, improve the appearance.

Mr. Volk left the meeting at this time.

CSM Research Institute Rental Arrangements. President McBride was instructed by the Board to submit to the Institute a definite proposal for new rental arrangements. ✓

Rocky Mountain Athletic Conference. President McBride reported to the Board that he was recommending the School remain in the Conference. The recommendation was accepted by the Board. ✓

Scott Turner Mining Collection. President McBride reported to the Board that the collection was not going to be given to Mines.

December 15, 1972

Monthly Reports. The following monthly reports were distributed: Balance Sheet as of November 30, 1972; Summary of Budget Appropriation & Disbursements, as of November 30, 1972; Budget Summary for Open End Bond Issue, November 30, 1972; Budget Summary for 1966 Bond Issue, November 30, 1972; Budget Summary for State Rental Properties, November 30, 1972; Budget Summary for Health & Accident, November 30, 1972; Budget Summary for CSM Athletic Association, November 30, 1972; Budget Summary for Associated Students, November 30, 1972; and Office of Research Services Contract Funds, as of November 30, 1972.

The meeting adjourned at 3:00 p.m.

Assistant Secretary

COLORADO SCHOOL OF MINES



The University of Mineral Resources

Golden, Colorado 80401

GUY T. McBRIDE, JR.
PRESIDENT

December 7, 1972

TO: CSM Trustees
FROM: President McBride
SUBJECT: Long-term Use of CSM Building Space by Community
College of Denver

Summary - The CCHE staff is suggesting that CSM offer and the Community College of Denver accept for the latter's use 10,000 square feet of building space on the Mines campus for 1973-74 plus an additional 10,000 to 15,000 square feet for 1974-75. The use is proposed to be a "leasehold" rather than any participation by Mines in the educational process.

The 1973-74 space can be made available by assigning the Old Gymnasium to CCD use; the 1974-75 needs cannot be met in this way, but can perhaps be met by careful scheduling of scattered classrooms.

In spite of the fact that this kind of use of CSM facilities is not the best, or even the second or third best, use of our resources for the long haul, it is recommended without reservation that we be empowered to offer to meet the 1973-74 needs subject to the general and specific considerations discussed herein.

Trustee advice and decision are wanted and required.

Introduction - As Trustees will recall, Mines has received adverse criticism because of the underutilization, by CCHE "guidelines," of its academic buildings, and this criticism seems

to have intensified since Green was dedicated. We understand it to be commonly said "downtown" that we have two unused buildings, and this kind of loose talk has in the recent past prompted at least one state agency to inquire about space.

In fact, our academic buildings are underutilized at our present enrollment, for we have, as you know, been planning and preparing for 2500-3000 students in an Option 3 condition. I think one could show that by renovation of building space, which would probably be unjustifiably costly, and by ignoring student schedule problems you could free two small, or one large, building on this campus. It is also quite true that the Green basement space is not fully occupied, due to lack of money to provide proper research benches, hoods, etc. As was well stated at the CCHE/EBO budget hearing on December 5, we are preparing for an Option 3 future for an expanded student body.

But it is also true that at any instant every campus in this state is either underutilized, with the attendant excessive capital cost, or overutilized, with the consequent ill-effects on the educational process. We do not have, and neither does CCHE, figures which show how we compare with the other engineering campuses in the state.

It has been my public position, I am certain with Trustee approval, that to the extent that we do in fact have underutilized space I shall be pleased - indeed shall feel obligated - to discuss and actually to arrange the use of it by any state agency, provided that such use not compromise the Mines mission either now or in the future.

The Immediate Problem - It was in this context that the Community College of Denver was informed, at its recent budget hearing, that its request for money to continue renting academic space in 1973-1974 would not be favored by EBO/CCHE and that it would do well to move into some of the unused space on the Mines campus. We were asked, at our similar budget hearing, to consider making such space available. Acting in a way consistent with my public position, I invited CCD to let us know what they really needed, and preliminary discussions were held on November 29.

The following full-time (0800 hrs to 2230 hrs) use, minimum needs were stated for about 400 students:

- (1) 2,900 sq. ft. (4 classrooms) of teaching space for stenographic classes - full time.
- (2) 3,000 sq. ft. of art subject space in a maximum of two locations; the more rustic the better provided necessary utilities are available - full time.
- (3) 1,500 sq. ft. of faculty office space (15 faculty) which can be sub-divided by the CCD - full time.
- (4) 1,000 sq. ft. of student lounge and study area - full time.
- (5) 850 sq. ft. of biology laboratory - full time.
- (6) 850 sq. ft. of chemistry laboratory for 8+ hrs. per day.

This requirement, which sums to 10,100 sq. ft., is stated to commence June - September 1973 and terminate June - September 1975.

Additional CCD requirements are 10,000 - 15,000 sq. ft. of space for the period June - September 1974 also to terminate June - September 1975.

As far as I can tell, what is proposed is simply a "lease" of space; it is not expected that we shall be involved in any way in the teaching or in the supervision of the students, though it might be a better overall utilization of state resources for CCD to place out here classes which we could teach and supervise.

Discussion - In arriving at a possible solution for Trustee decision, the following major points have been considered:

1. This may be a "camel's nose" deal; whether or not CCHE staff is using this means to push a dream plan of having us offer a two-year vocational degree, CCD's moving out in 1975 depends on the fruition of building plans not yet funded by the legislature. One should not, in my opinion, expect voluntary evacuation in 1975.
2. We have no way of knowing whether their requests to us correspond to the best use of their own resources; perhaps they are trying to place out here problem space requirements or problem students that they could really accomodate on their own campuses at lower overall cost to the state.
3. If it is found necessary to relocate functions to free space for CCD, the reassignments will be consistent with overall long range campus planning.
4. The nature of the CCD requirement, which is for full-time use of special purpose space not now in place on this campus, and the difficulty of assuring CCD student supervision and Mines campus and building security if CCD space

use is dispersed dictate that CCD use be concentrated in a single building(s), desirably assigned exclusively to its use.

5. The use of CSM facilities by CCD students and staff can, by prior agreement, be restricted to a particular area(s), including parking areas needed even if they provide shuttle bus service. CCD have been told that library, gymnasium, student center, and other auxiliary services can probably not be provided because our facilities of this kind are so heavily used that friction, inimical to the arrangement in the long run, will almost surely result.
6. The capital cost of renovating the CCD space, as well as CSM moving costs, are for their account. Similarly, utility janitorial, and short-term maintenance costs are for CCD account.
7. The only building which we can vacate without incurring either major renovation charges - surely unacceptable for the envisioned term of use - or significant impairment of our mission or both is the Research Center (Old Gymnasium). This building offers 11,500 sq. ft. assignable and 5,300 sq. ft. auxiliary space; thus it will meet only the 1973-74 CCD needs, but it will meet them very well.
8. The Research Center, scheduled to be demolished when the projected Library addition is built, now houses only the office operations of the Office of Research Services and

the Potential Gas Agency, both of which can be accommodated in a part of the Berthoud Hall space vacated by

Geophysics, and graduate student office and laboratories, which can be relocated to Green Center.

9. No matter how carefully the arrangements are negotiated and implemented, we cannot avoid the "foreign body" syndrome; i.e., there will be irritation on both sides due to real or imagined dislocations and to differences in outlook. More important, the morale of the Mines faculty and student body will be impaired if they conclude that the envisioned arrangements are a prelude to a watering down of the Mines mission.

These problems can be handled, but there is a potential for disruption and trouble.

10. Agreement to limited space use by CCD will demonstrate amenability to coordination for overall state good.

Recommendation - It is recommended that the Trustees authorize

the Administration further to negotiate and, if successful, to conclude an agreement for CCD long-term use of the Old Gymnasium,

subject to the considerations in the foregoing Discussion. The

assignment of parking space and the use of auxiliary services will be considered.

It is further recommended that CCD be told that while we

definitely cannot meet their 1974-1975 space needs by assigning

to them a second similar building, we will, depending upon how well the relationship is working at that time, consider during 1973-1974 a request from them for additional scattered classroom use for a second year.

Mr. [unclear]
12/22

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