

RECORD OF PROCEEDINGS

Golden, Colorado
January 12, 1973

The Board of Trustees met in regular session on January 12, 1973, at 9:00 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 December 15, 1972 were approved as written.

Resignation, Dr. Robert G. Reeves. President McBride reported to the Board that Dr. Reeves, Professor of Geology, was resigning his full-time appointment with the School to return to the Department of the Interior EROS program, effective January 15, 1973.

President McBride expressed regret but understanding and reported that Dr. Reeves was being appointed Adjunct Professor of Geology, without compensation, for the remainder of the school year.

Use of Space by Community College of Denver. President McBride reported that CCD had contacted the Colorado Division of Public Works with regard to a limited renovation plan for the old gym and that his very unofficial estimate for the work required by DPW is \$150,000. There will, of course, also be expense involved in the relocation of our functions presently located in the building being discussed.

Although the School has always attempted to cooperate where possible, it was deemed important that before such sums of money were committed by the State it be made very clear that the building in question has long been scheduled for demolition in order to make room for the library addition.

External Affairs. President McBride and Mr. Stockmar reported to the other members of the Board that, pursuant to earlier discussions, contact had been established with officials of the Denver Post and that a series of articles on the School is presently in preparation.

January 12, 1973

There had also been arranged by Dr. Alter and Mr. Stockmar a speaking engagement for Professor Mather before the Denver Rotary Club on February 1 at which time Professor Mather will give for the first time the results of survey by the Mineral Economics Department of the contributions of the minerals industry on the State of Colorado. Mr. Stockmar was inviting as his guests persons prominent in the legislative and mineral resources fields. It was felt this effort by the Mineral Economics Department is a major piece of work and will be of vital concern to law-makers and civic leaders. A press conference is being arranged to follow the Rotary luncheon.

Gifts to the School. President McBride reopened the discussion on how to be able to accept substantial gifts to the School without suffering offsetting decreases in State appropriations. Such offsets in State support are a strong possibility in the minds of donors, particularly sophisticated donors likely to give major sums of money. ✓

President McBride reported on a visit he had with Mr. Larry Scott, Commissioner, CCHE. Mr. Scott was completely understanding of the problem and suggested several possible avenues of action: (1) seeking a gentleman's agreement where a specific gift is made known to top officers of the State government and undertake to gain support in seeing that future appropriations are not decreased accordingly, (2) reactivate the CCHE ad hoc committee on foundations and have that committee take a position against offsetting decreases, and (3) approach the legislature to secure resolution or statute committing legislators, as far as possible, in accepting either a specific gift or gifts in general that it be the intent of the legislature that offsetting reductions not ensue. Mr. Scott asked which of these options CSM could support, and if the third one, would Mines permit itself to be used as exemplar.

There was considerable discussion as to whether Mines should support seeking legislative action to permit and encourage the enhancement of education through gifts from private sources. And if we do favor such effort, should we be the protagonists? A point which was stressed in the discussion was that the State has every right to know and approve of any gifts which carry additional expense to the State.

It was moved, seconded, and unanimously passed that the following resolution be adopted:

- A. That CSM recommend and support action by CCHE to seek, through resolution or statute, an expression of legislative intent that it be the policy of the State to seek and receive gifts to State institutions for the purpose of enhancing their teaching and research programs without effecting offsetting reductions in State funding, and

B. That the language of the Oklahoma Higher Education Code, revised June, 1972, Section 209, seems appropriate to such an expression of legislative intent, and

C. That the language of the February 29, 1972 CCHE policy on college and university foundations (Paragraph (4)) should be included in the expression of legislative intent to preclude abuses in the nature of unwise and unapproved commitments de facto of State resources, and

D. That care and skill be exercised to see that any legislative action not impose restrictions more onerous than those referenced in C above, and

E. That CSM will, incidental to its support of Commission action, allow its name and pending case to be used as exemplars, and finally

F. That each and all of the foregoing apply only to gifts to State institutions, not gifts to private foundations.

Mr. Steinhauer entered the meeting at this time.

Budget Status. President McBride reported to the Board that the budget hearing is now scheduled for January 29, 1973, at 3:00 p.m.

CSM Foundation. Mr. Stockmar and President McBride reported to the other members of the Board that changes were being made in the bylaws of the Foundation to comply with the CCHE policy statement on foundations and thus to make the Foundation completely separate from the School. ✓

Property, 1108 Nineteenth Street & on Lookout Mountain Road. Mr. Steinhauer reported on the need to acquire the property at 1108 19th Street for the married student housing project site. He has talked with the owner, Mr. Clifford Evans, about a trade for the property the School owns on Lookout Mountain Road. Appraisals have been received on both pieces of property. There being some question as to the assessment of the Lookout Mountain Road property, the matter was tabled until the February meeting to allow inspection and further consideration. ✓

Mr. Bradley left the meeting at this time.

Bequest - William Ernest Norden. Mr. Steinhauer reported a bequest in the amount of \$54,400 from Mr. William Ernest Norden. Signatures on the refunding bond and release were authorized. ✓

RECORD OF PROCEEDINGS

4

Bequest - Nils A. Swenson. Mr. Steinhauer reported a bequest in the amount of \$20,000 from Mr. Nils A. Swenson. Signature on the receipt of the check was authorized.

Married Student Housing Project. Mr. Steinhauer gave a progress report on the housing, including receipt of financial feasibility report. Even though the cost may be higher than anticipated, the Board members expressed unofficial approval of the continuation of the project.

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

The meeting adjourned at twelve noon.

Secretary

January 12, 1973

RECORD OF PROCEEDINGS

Golden, Colorado
February 14, 1973

The Board of Trustees met in regular session on February 9, 1973, 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.

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 12, 1973 were approved.

Status of Enrollment Applications. President McBride reported to the Board that enrollment applications were down appreciably compared to figures of this date last year and the previous several years. In the discussion which ensued it developed that applications are lower in many colleges throughout the country. Speculation was that pressure is no longer present for early application or multiple applications; the fact has become known that places are available in most colleges and universities; and the draft situation lessened the necessity of enrollment in college.

Budget Hearing. For the benefit of those Board members who had not been present, the budget hearing was reviewed. It was agreed by those attending, Messrs. Bradley, McBride, and Stockmar, that in their opinion it was the most fair, straightforward, businesslike hearing of recent years.

The subject of practical courses as mentioned by one JBC member was discussed at some length. Mine safety was mentioned specifically, and it had been explained to the Committee that because of budget restraints it had not been possible to expand the teaching of this particular subject to a scale commensurate with its importance. It is hoped this will be changed in the future. Surveying was also mentioned as a basic course which has enabled many engineers to gain entree into rewarding careers.

President McBride expressed the opinion that rather than mine safety and mine law being taught in a skeletal way as our budget now necessitates, he would like to see these subjects taught in great depth because these courses might very well replace surveying as the "bread and butter" skills.

Mr. Stockmar said he believed we should open lines of communication in order to discuss the internal student-faculty ratios which the JBC uses, and we should have a definition of the categories as used in establishing such ratios.

The President and the members of the Board expressed approval and appreciation of the presence of students at the budget hearing.

Faculty Appointments. President McBride reported on the following second semester appointments:

Thomas R. Young Adjunct Assistant Professor of Mining	\$1,000
Vijay K. Arora Instructor in Physics	4,500
Daniel H. Knepper Instructor in Geology	5,000
Dale F. Stewart Adjunct Assistant Professor of Basic Engineering	5,100

Senate Bill No. 33. President McBride reviewed for the record the passage of Senate Bill No. 33 which increases the CSM Board from five to seven members. The two new members are to be appointed on or before July 1, 1973; one will be appointed for a term to expire on March 1, 1975, and one for a term to expire on March 1, 1977. Thereafter the governor will fill the vacancies occurring every two years by appointments of members for terms of six years each.

Century Club. President McBride reported that as part of our centennial plans we are organizing a "Century Club" which will provide an opportunity for friends and alumni to be encouraged to contribute \$100 or more to the School during that year.

Upon motion made, seconded, and unanimously passed, the Board endorsed and pledged participation in the plan.

Mr. Steinhauer entered the meeting at this time.

Sale of Property. Mr. Steinhauer reported that he was seeking enabling legislation to allow sale or transfer of the 3/4 acres above the McFarland Gate on the Lookout Mountain Road which action was discussed at the January Board meeting.

It was moved, seconded, and unanimously passed that the legislation be obtained. Final disposition of the property was not decided. ✓

It was generally agreed that the bill be amended to include authorization to sell a residential lot in Albuquerque, New Mexico which had come to the School through a bequest of William E. Norden.

Monthly Reports. Mr. Steinhauer reviewed the monthly reports as follows: Summary for Budget Appropriation & Disbursements, January 31, 1973; Budget Summary for Open End Bond issue, January 31, 1973; Budget Summary for 1966 Bond Issue, January 31, 1973; Budget Summary for State Rental Properties, January 31, 1973; Budget Summary for Health & Accident, January 31, 1973; Budget Summary for CSM Athletic Association, January 31, 1973; Budget Summary for Associated Students, January 31, 1973; Office of Research Services Contract Funds, January 31, 1973; and the Balance Sheet, January 31, 1973.

The meeting adjourned at 12:15 p.m.

Assistant Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
April 13, 1973

The Board of Trustees met in regular session on April 13, 1973, at 9:00 a.m., in the President's Office of the Colorado School of Mines.

Present: Messrs. Bradley, Eisenach, and Stockmar.

Absent: Mr. Alexander.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Vouchers as listed in Exhibits A & B were examined and allowed.

Previous Minutes. The minutes of the meeting of February 9, 1973 were approved.

Chapel. Mr. Bradley reported that he and Mrs. Bradley, having been deeply moved by the obvious fitness, the engineering and architectural excellence, and especially the beauty of the Watley Chapel on the campus of the then Temple Buell College, in which memorial services were recently held for Trustee R. H. Volk, had determined to ask the privilege of being responsible for providing a chapel on the CSM campus. Mr. Bradley stated that they thought the chapel, to be used by all members of the Mines community, should (1) be equally as fit, excellent, and beautiful as the Watley Chapel, (2) seat about 100 persons, (3) be located near the Parker Student Center to facilitate use of the buildings jointly as in the case of weddings, (4) be sited to permit an appropriate view of the mountains and especially the "M", and (5) be available for any genuinely religious gathering including regular Sunday Christian worship. Mr. Bradley further stated that he intended immediately to begin monthly payments into a Chapel Fund which he hoped could be established in the CSM Foundation, Inc.

After discussion, during which the Trustees looked with pleasure and favor upon Mr. Bradley's proposal, the following motion was properly prepared and adopted:

That the Board of Trustees of the Colorado School of Mines accepts with pleasure and gratitude the offer of Trustee Bradley to be responsible for providing a chapel

April 13, 1973

of appropriate size and excellence of design on the CSM campus, subject to the provisions of S.B. 271 now before the Colorado General Assembly and the campus master plan, and

That the Board of Trustees of CSM respectfully requests the Board of Directors of CSM Foundation, Inc. to establish a CSM Chapel Fund, the principal and earnings of which shall be devoted to this purpose, and

That the Board of Trustees of CSM authorizes Trustee Bradley to employ at his judgment and discretion every reasonable and proper means, in cooperation with the School's Development Office, to secure a Chapel Fund of adequate amount.

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

Arthur Ray Tarrer	\$13,800
Assistant Professor of Metallurgical Engineering	

Enrollment. President McBride reported that as a memorandum mailed to Board members indicated, the status of enrollment applications is more favorable than previously feared. At the present time it appears we shall have a freshman class comparable to last year's class, although it was clearly pointed out that the yet to be determined availability of federal loan funds could have an effect on the final outcome.

CCHE Meetings re Facilities Planning. Mr. Stockmar reported that he had attended two meetings of the CCHE and had spoken out in favor of institutional, especially CSM, input as guidelines were drawn with the understanding that any such guidelines would be prospective only.

Legislation. President McBride gave a progress report on the following legislation affecting CSM.

S.B. 271 having to do with gifts to institutions of higher education - proper progress, no problem anticipated.

H.B. 1264 enabling School to dispose of unneeded property - has passed Senate and House.

H.B. 1368 providing instant tenure for all public education employees - hopefully will not be reported out of committee; discussions have been and are still to be held both among institutional representatives and with legislators.

H.B. 1472 providing for collective bargaining, which is being promoted by CEA - just introduced.

Newcomen Society. President McBride reported that the Newcomen Society, an organization for the study of business, industrial, and institutional history, chartered in England, named after the inventor of the steam engine, has scheduled a black tie dinner at the Brown Palace for November 30 at which the CSM will be honored on the occasion of its 100th anniversary.

Astronaut Harrison H. Schmitt. President McBride reported that on September 8, 1973 there will be a special convocation at which Astronaut Schmitt will be the speaker.

Upon motion made, seconded, and unanimously passed, it was agreed that an honorary degree of Doctor of Engineering be awarded to Dr. Schmitt at this convocation.

Distinguished Achievement Medals. It was moved, seconded, and unanimously passed that the following alumni be awarded Distinguished Achievement Medals at Commencement on May 11, 1973:

Bart De Laat, P.E. 1930
Kong-Gyiu Ku, M.S., 1936
Robert L. Menk, P.R.E., 1951
William K. Mc Glothlin, E.M., 1940
John D. Vincent, E.M., 1933
Richard D. Wendeborr, E.M., 1952

van Diest Gold Medal. It was moved, seconded, and unanimously passed that the following alumnus be awarded a van Diest Gold Medal at Commencement on May 11, 1973:

Roger L. Kaesler, Geol.E., 1959

Mr. Steinhauer entered the meeting at this time.

Married Student Housing. Mr. Steinhauer reported that in compliance with HUD regulations, the School is under obligation to pay relocation costs for persons required to move on account of the married student housing project. This regulation was not known at the time project costs were calculated and could obligate the School for as much as \$28,000 additional expense.

In connection with other costs incurred such as surveying, soil testing, etc., it was moved, seconded, and unanimously passed that the following resolution be adopted:

RESOLVED, That such funds as may be required, limited to a maximum of \$50,000, be advanced from the Wild Horse Park Fund, presently accounted for as an endowment fund on the

books of the Colorado School of Mines, to provide planning monies for the proposed Married Student Apartment Project and repay such funds as have been presently advanced from the CSM Houses II account; and be it

RESOLVED, further, That such funds are to be repaid to the Wild Horse Park Fund upon the successful issuance of revenue bonds for the construction of the above project.

Mr. Russell H. Volk. The Board took cognizance of the death of Board member, Mr. Volk, and adopted the following memorial:

Honored alumnus and respected industrial leader, Russell H. Volk throughout his life portrayed that steadfastness and dedication expected of a professional gentleman. His years of service to the Colorado School of Mines--as student, teacher, and Trustee--established a high water mark of loyalty and firmness that have added to and characterized the educational philosophy of the institution. A concerned citizen, involved in the affairs of his community, he has left an exemplary record of service in every activity he touched.

Thus the Board of Trustees of the Colorado School of Mines expresses its deepest appreciation for the good works and efforts of Russell H. Volk and permanently records its respect and admiration for his selfless efforts on behalf of the School and society he served so well.

Dr. W. J. Kroll. The passing of Dr. Kroll was noted and the following memorial was adopted:

The recent death of Dr. W. J. Kroll in Brussels, Belgium, brings to a close the career of a remarkable metallurgist and good friend of the Colorado School of Mines. Extractive metallurgists recognize without further explanation the statement that a metal is produced by the "Kroll Process," because of the fame of Dr. Kroll's success in producing titanium, Zirconium, and other similar metals.

With financial independence based on his patents, Dr. Kroll, with uncommon generosity, shared his royalties with schools, hospitals, and professional organizations. He anonymously provided the funds for the establishment of the Institute for Extractive Metallurgy at the Colorado School of Mines.

His achievements were recognized by five honorary doctor's degrees and many medals including the Douglas Medal of the AIME, the Gold Medal of the ASM, the Perkin Medal of the Society of Chem. Ind., the Clamer Medal of the Franklin Institute, the Gold Medal of the Institution of Mining and Metallurgy, the Platinum Medal of the British Institute of Metals, and many others.

In further recognition of his scientific achievements and broad and generous philanthropy, the Board of Trustees of the Colorado School of Mines permanently inscribes in these minutes their respect for and appreciation of Dr. Kroll's dedication to his profession and to the agencies he served.

Emeritus Status. Upon the recommendation of President McBride, it was moved, seconded, and unanimously passed that Dr. George T. Merideth be granted emeritus status upon his retirement at the end of this school year. ✓

Rental Arrangements - Experimental Plant. President McBride was instructed to continue negotiations with Dr. Ponder with a view to establishing a termination date for the present rental agreement and drawing up a new leasehold agreement to follow. It was suggested that Messrs. Bradley, Ponder, Steinhauer, and McBride confer on this point. ✓

Faculty Contracts. The difficulty of continuing the custom of preparing replacement faculty contracts prior to the end of the school year has precipitated a review of the procedure. A faculty committee has studied the situation, and based on these studies, President McBride recommended for discussion that there be two contract forms - one for initial, term employment and another form for those faculty considered permanent appointees.

Following general discussion, the Board approved in principle having both specific term and indefinite term contracts, although perhaps employing a single general form, and Mr. Bradley undertook to assist in preparing the necessary form(s). ✓

The Board also took the opportunity to review and reaffirm the President's authority to execute such contracts; viz:

On motion by Mr. Bradley, seconded by Mr. Eisenach, and unanimously passed it was resolved that: The Board of Trustees of the Colorado School of Mines continue and expressly affirm the authority vested by it in the President of the Colorado School of Mines to execute on behalf of the School any and all contracts, agreements, etc. between the School and individual faculty members, providing for personal service by the latter to the former.

Candidates for Degrees. President McBride distributed lists of candidates for degrees as recommended by the faculty at the meetings on March 24, 1973 and March 28, 1973.

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 11, 1973

BACHELOR OF SCIENCE (MINING ENGINEERING)

William Arnold Anderson	Theodore Glen Libby
Lance Russell Barron	Richard Michael Liconti
William Cleamon Cassun, Jr.	Jefferson David McKenzie
Kenneth Ben Cummings	Levent Ozdemir
John Russell Danio	Bruce Ellis Peers
Hamza Taib El-Mabruk	Van George Plocus
Gerhard Arthur Gruhne	John Robert Reed
Donald Stewart Habersberger	Robert A. Reeves
Gerhard Haimberger	John Robertson, III
Thomas Monroe Hurt	Richard Lawrence Steenberg
Michel Pierre Juilland	Alan Ray Stringer
John Bruce Kyffin	John Michael Tagge
Paul Beamer Leidich	Sandra Rae Thielen
Ted Arvid Lewtas	Gary Paul Thomason

ENGINEER OF MINES

Donald Alan Clark
Richard Alan Van Horn

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

William Felmer Bates, III	John Leston Kirk
Roger Alan Cirimotich	Rick John Leser
Michael Henry Conway	Thomas Cotton Logan
David Lawrence DeGiacomo	Gary Lewis Lubers
Joseph Michael Driear	Frank Louis Natta, III
Steven Corbitt Evans	Ralph Richard Newman
Darrell Mitchell Finney	Glen R. Oswald
Terry Lee Grap	Leon Clarence Piper, Jr.
Dennis Lee Hesselbarth	Thomas Warren Sander
Frederick K. Heumann, Jr.	Bruce Schiller
William Mark Jordan	Randall John Scott
Dennis Michael Kerstiens	John Francis Strasser
Gary Allyn Kingry	

METALLURGICAL ENGINEER

Lytle Briggs Whitefield, III

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Paul Reynold Dinkmeyer	Richard Michael Liconti
Douglas Wayne Dirks	Fred William Limbach
Nancy Susan Donovan	Donna Raquel Messer
Thomas E. Gesick	Victor J. Miller
Charles Calvert Graeber	Larry Joe Phillips
Jeffrey Alan Holligan	George Francis Sanders, Jr.
Robert Wendell Hudson	Erick Fred Weiland

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

Roger L. Alinger	Terry Carl Huff
Alan Charles Billard	John Edward Lee, III
Stephen Lee Coursey	Ben Edward Mares
Russell Allen Douglass	Jess Blaien Nunnelee
Steven Simeon Dunn	Michael Thomas Peays
Gene Lawrence Gaz	Paul Randall Seelye
Ira Liston Goodwin, Jr.	William Dale Winberg

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Ted Alan Abrams	James Lee Green
Raul Eugenio Alvarado Faarup	Jeffrey Glenn Handwerk
Wayne Ronald Anderson	Thomas Wayne Haycraft
Ronald Herman Bissett	Sharron Anne Knaul
Randal Lynn Brocher	Richard James Lacouture
Lester Gerald Burch	Stephen Douglas Luedders
Darrell Howard Christiansen	Larry Bruce Mori
Barton Randall Cox	David Scott Pickard
Kent Melvin Crites	Charles Ray Putman
Lynn Marshall Dayton	Michael James Quigley
James Rockford DeIsla	Henry Allan Seal
Ezzo Ismail Ebeido	Leslie Paul Streeb
John Michael Englehardt	George Leo Lane
Gene M. Gehauf	

PETROLEUM REFINING ENGINEER

Kenneth Irving Roane, Jr.

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

William Houlton Borland	Ervin Eugene Kukas
Eugene Darwin Clower	Scott Edward Moravec
Constance Elizabeth Currier	Merlyn Lee Ridlen
Joseph Lawrence Huck	Michael Wayne Webring
Andrew Ethan Klein	

BACHELOR OF SCIENCE (MINERAL ENGINEERING-CHEMISTRY)

Thomas Alan Benjamin	William Thomas Lockman, Jr.
Louis Cole Copper	R. Mark Richards
Clark Greyhosky	John Michael West
Thomas Buchanan Huzzey	Kennon Lynn Whaley

BACHELOR OF SCIENCE (MINERAL ENGINEERING--MATHEMATICS)

Donald G. Apt	Robert Christopher Mengis
Lance Alan Barber	Dan Steven Michener
Janene Marie Chlumsky	Gary Alfred Mueller
Franklyn Laviern Cope	Christopher Allen Neil
David William Hawkins	David Alan Scott
Gary William Hudiburgh, Jr.	Darby Dale Sheehan
Donald Phillip Lightburn	Thomas Kevin Tulk
Donald Eugene McLaughlin	

BACHELOR OF SCIENCE (MINERAL ENGINEERING--PHYSICS)

David Paul Conover	Douglas James Heath
Joseph Michael Driear	John A. Reeves
Brian Lee Evans	Ronn Grant Smith
Joel Stephen Forrest	David Kenney Towner

MINERAL ENGINEER--PHYSICS

Michael E. Curry

June 23, 1973

BACHELOR OF SCIENCE (MINING ENGINEERING)

Grant Douglas Brooks
Jerry L. Gubka

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

John Edwin Joseph
William Claude Messer

GEOLOGICAL ENGINEER

Larry James Buchanan

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

John Sherrard Eulich

August 18, 1973

BACHELOR OF SCIENCE (MINING ENGINEERING)

Ronald Lee Curtis
William Robert Holman

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

Donald Arthur Freese
Georges Patrick Juilland

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Mark Jonathan Pinel
Carl Frederick Rounding

April 13, 1973

RECORD OF PROCEEDINGS

9

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

Kent Francis Perry
Dwayne Edwin Schultz
Terry Joe Stafford

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Jean Marie Stohr

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

Michael William Carver

BACHELOR OF SCIENCE (MINERAL ENGINEERING--CHEMISTRY)

Dolly Ann Craig
Daniel Roy Hart

BACHELOR OF SCIENCE (MINERAL ENGINEERING--MATHEMATICS)

Donald Gary Beesley

May 11, 1973

MASTER OF ENGINEERING (ENGINEER OF MINES)

Renato Veneros-Ferreira

MASTER OF SCIENCE (METALLURGY)

Milton Manrique G.

MASTER OF SCIENCE (METALLURGICAL ENGINEERING)

Jim F. Lemons, Jr.
Byung-Moon Oh

MASTER OF SCIENCE (GEOLOGY)

Ramon Acosta Lizarazo
Claude Emery Berghorn
James Robert Best
James Leonard Evans
Dennis Carl Francis

Oguz Irtem
Richard John Kehmeier
Quayle C. Lusty
Stefanus Jacobus van Wyk

MASTER OF SCIENCE (GEOLOGICAL ENGINEERING)

Rodney John Eichler

MASTER OF ENGINEERING (PETROLEUM ENGINEER)

Thomas Strenger Proehl

MASTER OF SCIENCE (PETROLEUM ENGINEERING)

Robert Lawrence Ferriter
Ronald Eugene Hogan
Michael Holmes
Douglas Bryant Tippie

MASTER OF ENGINEERING (CHEMICAL AND PETROLEUM-REFINING ENGINEER)

Howard Wilson Holcombe III

April 13, 1973

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING
ENGINEERING)

Michael Stanley Kirchner	James A. Martinez
Nayan J. Lavingia	Craig William Moseley

MASTER OF SCIENCE (GEOPHYSICS)

Lawrence Hideo Kumamoto

MASTER OF SCIENCE (MATHEMATICS)

Charles Robert Blanks	Danny Lee Taylor
Harry David Hillis	George O. Thomas
Rodney Dean Hunley	Frank Van Dok
Charles Edward Johnson	

MASTER OF SCIENCE (PHYSICS)

Robert Burns Slusher

MASTER OF SCIENCE (MINERAL ECONOMICS)

Harold J. Bennett
David H. Hebb
Stephen Kent Pavel

May 11, 1973

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING)

Dennis Roy Floyd

DOCTOR OF PHILOSOPHY (GEOLOGY)

Michael G. Cruson
Ronald W. Marrs

DOCTOR OF PHILOSOPHY (PETROLEUM ENGINEERING)

Roberto Aguilera Guevara

DOCTOR OF PHILOSOPHY (CHEMICAL AND PETROLEUM-REFINING
ENGINEERING)

Richard L. Bain
Rodrigo Varela Villegas

DOCTOR OF PHILOSOPHY (GEOPHYSICS)

Jonathan Bork
David Bryson Fleming
Mark Anthony Mathews

DOCTOR OF PHILOSOPHY (GEOPHYSICAL ENGINEERING)

Jung Hee Suh

DOCTOR OF PHILOSOPHY (GEOCHEMISTRY)

Carlos J. Lopez Eyzaguirre

DOCTOR OF PHILOSOPHY (PHYSICS/CHEMICAL AND PETROLEUM-
REFINING ENGINEERING)

Duane G. Williams

Financial Statements. Mr. Steinhauer distributed the monthly statements as follows: Balance Sheet, March 31, 1973; Summary for Budget Appropriations & Disbursements, March 31, 1973; Budget Summary for Open End Bond Issue, March 31, 1973; Budget Summary for 1966 Bond Issue, March 31, 1973; Budget Summary for State Rental Properties, March 31, 1973; Budget Summary for Health and Accident Plan, March 31, 1973; Budget Summary for CSM Athletic Association, March 31, 1973; Budget Summary for Associated Students, March 31, 1973; and Office of Research Services Contract Funds, as of March 31, 1973.

The monthly statements for the month of February were reviewed also.

The meeting adjourned at 11:45 a.m.

Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
May 4, 1973

The Board of Trustees met on May 4, 1973 in substitution of the regular meeting scheduled for the second Friday, which this year is the day of Commencement. The meeting was held at 9:00 a.m. in the President's Office of the Colorado School of Mines.

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

Absent: Mr. Bradley.

Mr. Stockmar, President of the Board, presided.

President McBride and Mr. John A. Reeves attended the meeting.

Board Appointments. The oath of office was administered to Mr. W. K. Coors, recently appointed by the Governor to the Board for a term to expire March 1, 1979. ✓

It was noted that Mr. Stockmar has been re-appointed to the Board for another term to expire March 1, 1979. ✓

Vouchers as listed in Exhibit A were examined and allowed.

Previous Minutes. The minutes of the meeting held on April 13, 1973 were approved.

Legislation. President McBride reported on legislation affecting CSM.

S.B. 271 having to do with gifts to institutions of higher education - passed by Senate, now in House. No problem anticipated but must be followed to preserve from end-of-session limbo.

H.B. 1368 which provides tenure for all non Civil Service state employees - hearing was held on May 2, which President McBride attended, and another was being held this day. President McBride had prepared a statement opposing the bill and asking either that the bill be amended to meet serious objections, particularly with regard to the handling of non-renewals, or that CSM be exempt. Dr. Gary was to attend the hearing and present the statement for the record.

RECORD OF PROCEEDINGS

2

CCD. President McBride reported that Dr. Abbott, CCHE, had made specific letter inquiry as to the availability of space in the Green Center for use by CCD.

It was agreed that we have a clear obligation to cooperate to the extent that our own mission is not compromised. However, the space presently unoccupied in the Green Center was designed for low occupancy graduate student use, and the ventilation is not adequate for classroom use. There are present firm plans to equip the space for its intended use as soon as funds are available, probably not later than the end of the 1973-1974 school year. ✓

A very important consideration is our obligation to the donor. The Green Center was given to the School for a specific purpose and is a major step in our attaining Option 3 of the Borgmann Report. The building was designed to be a focal point for national professional meetings and scholarly seminars and it would thus be inconsistent with that purpose to remove a significant part of the building from such use. Further, it would be a flagrant violation of the donor's wishes.

President McBride was instructed to continue to attempt cooperation in furnishing CCD with the required space in other than Green Center.

Head of Mathematics Department. President McBride reviewed the search for and qualifications of a candidate for the Head of the Mathematics Department, Dr. Robert A. Walsh. President McBride said a two-year contract is being offered Dr. Walsh at a salary of \$19,000 for the 1973-74 academic year.

The appointment of Dr. Walsh as Head of the Mathematics Department was approved.

Policy. Mr. Stockmar, speaking for the Board, reiterated the policy of the Board to entrust President McBride with the responsibility of determining who should be on the faculty, the salaries of those on the faculty, and the promotions to be received by members of the faculty. This delegation of responsibility extends to administrative control. ✓

Department head appointments and major administrative changes are brought to the Board for approval.

Distinguished Achievement Medal. Dr. Kong-Gyiu Ku, who was offered a Distinguished Achievement Medal as recorded in the April 13, 1973 minutes, is unable to be present at the Commencement exercises. The medal will not be awarded to Dr. Ku at this time. ✓

RECORD OF PROCEEDINGS

3

AAUP Censure. President McBride reported to the Board that word had been received from AAUP that the School has been placed on their list of "Censured Administrations" because of the termination of Professor Winton Laubach. ✓

Academic Leave - Professor Elwyn Shimoda. President McBride stated a request has been made by Professor Shimoda for an academic leave for the fall semester at three-quarters salary. The purpose of the leave is to finish his Ph.D. thesis.

Upon motion made, seconded, and passed, the academic leave at three-quarters salary was approved. ✓

Mr. Steinhauer entered the meeting at this time.

Rental Arrangements - Experimental Plant. President McBride stated that he had not been able to get all interested parties together as he had been instructed to do at the last meeting but he did state that the continuation of the present arrangements only until present credit is used up, as was discussed briefly at the last meeting, seemed fair. Accordingly, he will conduct negotiations along these lines when discussion can be arranged. ✓

Financial Statements. Mr. Steinhauer reviewed the monthly statements as follows: Balance Sheet, April 30, 1973; Summary for Budget Appropriations & Disbursements, April 30, 1973; Budget Summary for Open End Bond Issue, April 30, 1973; Budget Summary for 1966 Bond Issue, April 30, 1973; Budget Summary for State Rental Properties, April 30, 1973; Budget Summary for Health and Accident, April 30, 1973; Budget Summary for CSM Athletic Association, April 30, 1973; Budget Summary for Associated Students, April 30, 1973; and Office of Research Services Contract Funds, April 30, 1973.

The meeting adjourned at twelve noon.

Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
June 15, 1973

The Board of Trustees met on June 15, 1973 in substitution of the regular meeting scheduled for June 8, 1973. The meeting was held at 9:00 a.m. in the Board Room of the Colorado School of Mines.

Present: Messrs. Bradley, Coors, Fogarty, Reeves, and Stockmar.

Absent: Messrs. Alexander and Eisenach.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

Board Appointments. The oath of office was administered to Dr. Charles F. Fogarty, appointed to the Board for a term to expire March 1, 1977, and to Mr. John A. Reeves, appointed to the Board to a term to expire March 1, 1975. ✓

Mr. Bradley, speaking for himself and on behalf of the Board, expressed to the three new Board members, including Mr. Coors, who was sworn in at the May 4 meeting, appreciation for their willingness to serve and enthusiastic appreciation of the talent which they would be contributing at a time which is particularly critical to the School and the Nation.

Election of Officers. The bylaws of the Board provide for election of officers at the biennial meeting which is the June meeting of the odd-numbered year.

Upon motion made, seconded, and passed, the following officers were elected:

Ted P. Stockmar, President
Leo N. Bradley, Vice President
Edwin J. Eisenach, Secretary
John A. Reeves, Assistant Secretary
W. K. Coors, Assistant Secretary
William A. Alexander, Assistant Treasurer
Charles F. Fogarty, Assistant Treasurer ✓

Mr. Gurnett Steinhauer, Vice President for Business Affairs of CSM, was elected Treasurer of the Board.

Vouchers. For the information of the new members, Mr. Stockmar reviewed the history of the Board's review of vouchers each month. He said that at one time the review of vouchers was required and it had also proven

June 15, 1973

RECORD OF PROCEEDINGS

2

to be a good way for the Board to learn more about the operation of the School. However, the format of vouchering has changed to the point that not a great deal can be learned just from the vouchers themselves, and there is a real question whether the practice should be continued. All employees are bonded so that we do not need the protection of examining the vouchers; therefore it is a matter of what the Board feels is a sound and effective business practice. ✓

While there was general agreement that detailed review of the vouchers is now no longer necessary, it was suggested that a tabulation of vouchers paid could be useful, and President McBride was instructed to prepare for at least a trial run for the next meeting a new system embodying this and other features as may be devised.

Bylaws of the Board of Trustees. Upon motion duly seconded and passed, it was directed that the bylaws be amended at the July meeting to bring them up to date and Mr. Bradley was appointed by President Stockmar to prepare the proper amendments. The item will appear on the agenda, and notice of intention to amend will be given in accordance with the bylaws as presently written. ✓

Previous Minutes. The minutes of the meeting held on May 4, 1973 were approved.

Meeting Schedule. Upon motion made, seconded, and passed, the regular schedule of second Friday Board meetings was confirmed, with the following specific schedule and exceptions for the near term:

July - regular meeting date, July 13
August - no meeting
September - meeting changed to September 7

Mr. Steinhauer entered the meeting at this time.

Rental for Experimental Plant. President McBride and Mr. Bradley reported that, as instructed, they had met with Dr. Ponder, Director of the CSM Research Institute, to discuss future rental arrangements for the experimental plant. The present arrangement of the rent of \$900 per month being paid in leasehold improvements was being scrutinized. The sum of \$900 had been established as fair rental for the space owned by the School and given over to the use of the Research Institute. At the present time the Research Institute has a substantial credit on rentals to become due. ✓

It was the consensus and action of the Board that the present arrangement is terminated as of this date but without prejudice to the Institute's continued occupancy pending the development of a lease in replacement. Unless specifically

June 15, 1973

otherwise provided in the new lease, leasehold improvements made after this date may no longer be applied to rental, but credits accrued to this date will stand. It was the further consensus that the facilities should be appraised and value established and future rental set up on that basis with depreciation as applicable, that present credit for leasehold improvements after a review audit and appraisal should be acknowledged, and finally that the proposed new agreement should recognize the inherent value of the Research Institute to the School.

Mr. Bradley and President McBride were instructed to continue in negotiation with the CSM Research Institute in line with these judgments.

Legislation. President McBride reported that SB 271, permitting and encouraging colleges and universities to accept gifts without having appropriations decreased in like amount, has been amended to include the auditing of foundations by the State Auditor. It was agreed that such legislation would be intolerable to our donors, and thus be intolerable to the School, and that efforts should continue to have it properly amended. ✓

Mr. Steinhauer reported that HB 1264, permitting the School to sell property acquired in the State of New Mexico through a recent bequest and also property at the foot of Lookout Mountain, had been amended to allow us to sell the New Mexico property but not the local property, as the legislature is preparing to implement a procedure, perhaps requiring legislative approval, which will in the future handle the sale of state land without individual parcel legislative action. ✓

CCD. President McBride reviewed this situation for the new members of the Board. In summary, space totaling about 30,000 sq. ft. has at various times been offered to CCD, and although mutual understanding between CCD and Mines is evident, various problems have prevented their accepting any of the space. The current offer, stated to be subject to Board approval, is for a total of about 10,000 sq. ft. in Alderson, Stratton, and Coolbaugh Halls. As of this date, no action has been taken by CCD on the extant offer; therefore no action is asked of the Board. ✓

Married Student Housing. An architectural drawing of the new housing for married students was presented. Mr. Steinhauer reviewed the status; i.e. plans out for bid; guaranteed HUD interest of 3 percent (may go over); amount approved by HUD for construction, \$805,000 (may go over); units consist of just under 1,000 sq. ft. and will rent for \$150 per month; project contains 48 units (Prospector Park, to be demolished, contains 30 units); occupancy to be September, 1974.

RECORD OF PROCEEDINGS

4

Enrollment. President McBride reported that whereas we had 402 new students in the fall of the present school year, it is estimated that despite intensive recruiting we shall have only 330-350 this fall. It was noted that many social and fiscal factors, including serious inflation, were having adverse effects on enrollments in schools throughout the state and nationally.

Faculty Conference. President McBride informed the Board that the faculty conference this year is scheduled for the morning of August 29, 1973 and expressed the wish that Board members attend the conference as convenient. An agenda will be provided.

Dr. Ku Kung-hsu. President McBride reported on receipt of a letter from Dr. Ku in which he expressed his regrets at not having been able to come to the May 11, 1973 Commencement to receive the Distinguished Achievement Medal which had been offered for that date.

Commencement Speaker. President McBride distributed a list of previous Commencement speakers and asked for suggestions for 1974. The matter is to be continued as an agenda item.

The meeting recessed for lunch at the President's home and afterward continued there.

Budget, 1973-1974. Mr. Steinhauer presented the School budget for fiscal year 1973-1974 in the amount of \$5,739,616. He stated the budget corresponds in every respect to the Long Bill (SB 420) as it is now known to us. Approval must be contingent upon the Long Bill being passed in its present form.

Upon motion made, seconded, and passed, the 1973-1974 budget in the above amount was approved, subject to the above conditions. President McBride was instructed and authorized to deviate as necessary in minor respects from strict adherence to the line item budget breakdowns ostensibly embedded in the Long Bill.

Mr. Stockmar requested that the Board receive an up-dated breakdown and comparison of costs of engineering education in Colorado public institutions.

Tuition, 1973-1974. The following resolution was unanimously adopted:

WHEREAS Senate Bill 420, now pending before the Forty-Ninth Colorado General Assembly, has established the appropriation for the Colorado School of Mines for the 1973-1974 fiscal year based in part on specified tuition rates. Therefore be it

June 15, 1973

RESOLVED:

First, that tuition rates for the academic year 1973-1974 be set for residents of the State of Colorado at \$456 per academic year and for non-residents of Colorado at \$1,822 per academic year as specified in SB 420.

Second, that tuition rates for the first field session during the summer of 1974 be set for residents of Colorado at \$109 for the term and for nonresidents of Colorado at \$378 for the term.

Third, that tuition rates for the academic summer session of 1974 be set for residents of Colorado at \$23 per credit hour and for nonresidents of Colorado at \$91 per credit hour.

Fourth, that the tuition rate for the Intensive English course during the summer of 1974 be set at \$648.

Finally, in accordance with CRS 124-22-25, the Board of Trustees of the Colorado School of Mines, having the authority to prescribe tuition rates, recommends to the Colorado Commission on Higher Education these revised tuition rates to become effective for the 1973-74 fiscal year.

Faculty and Staff Salaries. President McBride distributed copies of the proposed staff salary schedule and stated that the teaching faculty salary schedules were at hand for information and review. These proposed salaries are based on the appropriation to be made available in the Long Bill as it is now written (but not passed). He stated the salaries were in conformance with the budget as previously approved but in the event the Long Bill did not go through as presently written, changes would have to be made accordingly. These schedules are appended to and made a part of these minutes.

The Board took cognizance of these salary schedules and authorized President McBride to put them into effect on passage of the Long Bill.

President McBride and Mr. Steinhauer were excused from the meeting.

Salary, President McBride. Mr. Stockmar reviewed the situation with respect to Dr. McBride's salary, saying that because of the extremely tight budget the past two

years it had not been possible to make an increase. Now Dr. McBride's salary is considerably out of line with salaries of others in similar positions and there must be a catch-up increase.

Upon motion made, seconded, and unanimously passed, the salary of President McBride was established at \$40,000 per year, effective September 1, 1973, with the understanding that he be required to live in the house furnished by the School for that purpose.

It was further moved, seconded, and unanimously passed that the Board express to Dr. McBride its recognition of and appreciation for the excellent, energetic, and intelligent leadership which he has given the School in its progress toward attainment of its established goals and objectives.

President McBride and Mr. Steinhauer returned to the meeting.

Auxiliary Budgets. Mr. Steinhauer presented the following 1973-1974 budgets which were unanimously approved:

Associated Students, \$48,032

Athletic Association, \$62,145

CSM Houses #2, \$20,926

1966 Bond Issue, \$69,156

1962 Bond Issue, \$524,067

The Health and Accident Plan budget was not considered. The details of a new plan are still being worked out and will be reported at a subsequent meeting.

Monthly Reports. Mr. Steinhauer distributed the monthly reports as follows: Balance Sheet, as of May 31, 1973; Summary for Budget Appropriations & Disbursements, as of May 31, 1973; Budget Summary for Open End Bond Issue, as of May 31, 1973; Budget Summary for 1966 Bond Issue, as of May 31, 1973; Budget Summary for State Rental Properties, as of May 31, 1973; Budget Summary for Health and Accident, as of May 31, 1973; Budget Summary for CSM Athletic Association, May 31, 1973; Budget Summary for Associated Students, May 31, 1973; and Office of Research Services Contract Funds, as of May 31, 1973.

New Directions for CSM. Mr. Stockmar took the lead in a brief discussion of alternative futures for CSM, and the matter was then put over to permit careful reflection prior to a thorough discussion at a later Board meeting.

RECORD OF PROCEEDINGS

7

At Mr. Stockmar's request, President McBride had prepared in letter form (June 12, 1973) a summary and discussion of some alternative futures for the School, and copies of this letter were distributed to the Board.

The meeting adjourned at 3:00 p.m.

Assistant Secretary

June 15, 1973

RECORD OF PROCEEDINGS

A-1

William R. Astle Assistant Professor of Mathematics	\$14,200
Henry A. Babcock Professor of Basic Engineering and Head of Department	20,600
Charles Baer Instructor in Mathematics	11,200
Alfred H. Balch Associate Professor of Geophysics	16,700
Brian Ball Assistant Professor of Metallurgical Engineering	13,900
Geraldine D. Bariani Librarian	11,800
Daniel M. Bass, Jr. Professor of Petroleum Engineering and Head of Department	22,200
George T. Bator Professor of Mining Engineering	20,200
Victor W. Bauman Associate Professor of Mathematics	14,600
Kenneth E. Bellamy, Jr. Director of Student Housing and Director of the Student Center	13,500
Jerry R. Bergeson Assistant Professor of Petroleum Engineering	14,600
Ramon E. Bisque Professor of Chemistry and Head of Department	22,000
Harold Bloom Associate Professor of Geology	15,400
Ardel John Boes Associate Professor of Mathematics	16,000
Ralph B. Bowersox Professor of Physics and Head of Department	21,300
Walter L. Bradley Associate Professor of Metallurgical Engineering	16,000
Fritz S. Brennecke Professor and Head of Department Physical Education and Athletics	19,600

June 15, 1973

RECORD OF PROCEEDINGS

A-2

Austin R. Brown, Jr. Director of the Computing Center and Professor of Mathematics	\$22,500
James T. Brown Associate Professor of Physics	14,800
William Rex Bull Associate Professor of Metallurgical Engineering	17,700
H. Dean Burdick Director of Admissions	18,000
Jerrold J. Burnett Associate Professor of Physics	16,100
Robert H. Carpenter Professor of Geology	17,700
W. John Cieslewicz Assistant Professor of Humanities and Social Sciences and Assistant Professor of Mineral Economics	12,400
Bernetta Conrey Departmental Assistant	10,600
W. D. Copeland Dean of the Graduate School and Professor of Metallurgical Engineering	22,500
Catharine S. Cross Librarian	11,000
Richard S. Culver Associate Professor of Basic Engineering	15,000
Stephen Ray Daniel Assistant Professor of Chemistry	12,500
James Darden Associate Professor of Physical Education and Athletics	15,900
Joseph E. Davies Associate Professor of Physical Education and Athletics	15,900
Richard H. DeVoto Associate Professor of Geology	15,100
Dean W. Dickerhoof Associate Professor of Chemistry	15,800
Donald I. Dickinson Associate Professor of English	14,400

June 15, 1973

RECORD OF PROCEEDINGS

A-3

Philip F. Dickson Professor of Chemical and Petroleum-Refining Engineering and Head of Department	\$20,000
James H. Dover Assistant Professor of Geology	13,900
Kenneth W. Edwards Associate Professor of Chemistry	14,000
Rudy C. Epis Professor of Geology	18,600
Elsie Christine Ericson Librarian	10,400
Robert R. Faddick Associate Professor of Basic Engineering	15,300
L. David Femmer Budget Officer and Personnel Officer	18,300
Joseph J. Finney Associate Professor of Geology	17,800
Edward G. Fisher Professor of English and Coordinator of the Green Center	18,200
S. Dale Foreman Associate Professor of Basic Engineering	15,400
Charles O. Frush Associate Professor of Mining Engineering	15,500
James H. Gary Vice President for Academic Affairs and Professor of Chemical and Petroleum-Refining Engineering	30,800
Richard D. Gauthier Assistant Professor of Basic Engineering	15,500
Donald W. Gentry Assistant Professor of Mining Engineering	14,700
John O. Golden Associate Professor of Chemical and Petroleum- Refining Engineering	16,600
L. Trowbridge Grose Professor of Geology	18,500
Raymond R. Gutzman Associate Professor of Mathematics	14,600

June 15, 1973

RECORD OF PROCEEDINGS

A-4

Frank A. Hadsell Professor of Geophysics	\$18,300
John P. Hager Professor of Metallurgical Engineering and Head of Department	20,100
* John W. Hancock Associate Professor of Physical Education and Athletics	14,600
John D. Haun Professor of Geology	19,300
John R. Hayes Professor of Geology	18,300
Virginia Wilcox Herold Head Librarian	18,000
Carl L. Hiltrop Associate Professor of Chemistry	13,800
John A. Hogan Assistant Professor of English	12,500
Ralph C. Holmer Professor of Geophysics and Head of Department of Geophysics	22,700
Virginia T. Howbert Librarian	10,000
Robert H. Hutchinson Professor of Geology	17,000
George W. Johnson Professor of English	16,300
Leonard L. Johnson Assistant Finance Officer	12,000
Thys B. Johnson Professor of Mining Engineering	18,500
James G. Johnstone Professor of Basic Engineering	17,800
Leonard Kalal Associate Professor of Philosophy	14,000
Marvin L. Kay Assistant Professor of Physical Education and Athletics and Head Football Coach	13,600
George V. Keller Professor of Geophysics	20,500

* see last page

June 15, 1973

RECORD OF PROCEEDINGS

A-5

George H. Kennedy Associate Professor of Chemistry	\$14,800
Harry C. Kent Professor of Geology and Head of Department of Geology	22,000
Arthur J. Kidnay Associate Professor of Chemical and Petroleum- Refining Engineering	16,000
John V. Kline Professor of Physics	17,600
Ronald W. Klusman Associate Professor of Chemistry	15,900
Nancy J. Knepper Museum Curator	8,800
Charles A. Kohlhaas Assistant Professor of Petroleum Engineering	14,100
John O. Kork Assistant Professor of Mathematics	13,400
Truman H. Kuhn Vice President for Administrative Affairs	25,000
Thomas R. LaFehr Associate Professor of Geophysics	18,200
William B. Law Associate Professor of Physics	14,800
William E. Leckie Assistant to the Vice President for Administrative Affairs	15,200
Joseph R. Lee Professor of Mathematics (Sabbatical leave, 1/2 salary)	19,800
Keenan Lee Associate Professor of Geology	14,400
Merrill M. Lemke Director of Plant Facilities	18,300
L. W. LeRoy Professor of Geology	18,700
J. D. Lubahn Professor of Basic Engineering	18,800
George B. Lucas Professor of Chemistry	18,600

RECORD OF PROCEEDINGS

A-6

George Lynn Adjunct Professor as Conductor of the Glee Club	\$ 2,000
Maurice Major Professor of Geophysics	19,400
Donald C. B. Marsh Professor of Mathematics	16,100
Scott J. Marshall Assistant Professor of Basic Engineering	15,000
James W. Martin Associate Professor of Basic Engineering	16,000
Gerard P. Martins Associate Professor of Metallurgical Engineering	14,700
Warren J. Mason Registrar	14,000
J. P. Mather Professor of Mineral Economics and Head of Department	21,300
Frank S. Mathews Professor of Physics	17,600
David K. Matlock Assistant Professor of Metallurgical Engineering	14,000
William A. Mattingly Assistant Professor of English	10,400
Robert W. McAllister Associate Professor of Physics	16,600
Robert S. McCandless Assistant Professor of Physical Education and Athletics	12,200
C. Samuel Miller Associate Professor of Basic Engineering	14,900
B. J. Mitchell Associate Professor of Petroleum Engineering	16,000
Fred E. Moore Professor of Geology	17,900
Charles S. Morris Director of Public Relations	14,500

RECORD OF PROCEEDINGS

A-7

Raymond K. Mueller	\$14,200
Assistant Professor of Mathematics	
Karl R. Newman	15,700
Associate Professor of Geology	
Carl G. Nordquist	14,200
Assistant Professor of Mineral Economics	
David L. Olson	14,700
Assistant Professor of Metallurgical Engineering	
Robert W. Pearson	12,500
Assistant Professor of Physical Education and Business Manager of Athletics	
John A. Pederson	13,400
Assistant Professor of Mineral Economics	
Anton G. Pegis	25,000
Vice President for External Affairs	
Gerald A. Peters	10,400
Coordinator for Public Information	
Alfred Petrick, Jr.	22,000
Coulter Professor in Mineral Economics	
Thomas Philipose	11,300
Assistant Professor of Humanities and Social Sciences	
George R. Pickett	18,200
Professor of Geophysics	
Rudolph R. Pinsky	13,500
Assistant Director of Admissions	
Ronald D. Preston	16,000
Professor of Basic Engineering	
Jon W. Raese	12,000
Director of Publications	
Donald G. Roberts, M.D.	11,600
School Physician and Head of Medical Department	
Richard C. Robinson	14,800
Assistant Professor of Chemical and Petroleum- Refining Engineering	
Oded Rudawsky	16,000
Associate Professor of Mineral Economics	

RECORD OF PROCEEDINGS

A-8

Arthur Y. Sakakura Associate Professor of Physics	\$16,100
A. W. Schlechten Alcoa Foundation Professor of Metallurgy and Director of the Institute of Extractive Metallurgy	24,700
John M. Shannon Adjunct Assistant Professor as Conductor of the Band	2,000
Elwyn Shimoda Assistant Professor of Chemical and Petroleum- Refining Engineering (Sabbatical leave, fall semester 3/4 salary)	14,100
George T. Sisson Laboratory Assistant in Chemistry	11,300
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Maynard Slaughter Professor of Chemistry	19,800
Margaret Smart Librarian	13,000
Francis E. Smiley, Jr. Dean of Students and Associate Professor of Basic Engineering	21,000
David T. Snow Associate Professor of Geology	16,600
Richard E. Stapp, Jr. Associate Professor of Physical Education and Athletics	13,400
Charles W. Starks Assistant Professor of Chemistry	13,500
Franklin J. Stermole Director of Research Development and Professor of Chemical and Petroleum- Refining Engineering	20,000
Huntington S. Swanson Associate Professor of Mathematics	14,500
Robert J. Taylor Assistant Professor of Basic Engineering	12,200
John R. Terry Manager of the Computing Center	11,500
John C. Thomas Research Associate, Department of Chemical and Petroleum-Refining Engineering	10,400

RECORD OF PROCEEDINGS

A-9

David W. Trexler Associate Professor of Geology	\$14,900
A. Keith Turner Assistant Professor of Geology	13,500
Frank R. Utter Finance Officer	17,500
Samuel E. Vandiver Professor of Humanities and Social Sciences and Head of Department	19,500
Fun-Den Wang Associate Professor of Mining Engineering	15,000
Robert J. Weimer Professor of Geology	20,800
Walter W. Whitman Professor of Mathematics	17,800
Thomas Wildeman Assistant Professor of Chemistry	14,300
John T. Williams Professor of Chemistry	18,600
Milton A. Wiltse Assistant Professor of Geology	13,900
Robert D. Witters Associate Professor of Chemistry	14,900
Robert Eugene Donald Woolsey Professor of Mathematics	18,800
F. Richard Yeatts Associate Professor of Physics	14,900
* David Warren Hall Associate Professor of Chemistry	15,200

June 15, 1973

RECORD OF PROCEEDINGS

Golden, Colorado
July 13, 1973

The Board of Trustees met in regular session on July 13, 1973 at 9:00 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Alexander, Bradley, Fogarty, Reeves, and Stockmar.

Absent: Messrs. Coors and Eisenach.

President McBride attended the meeting.

Mr. Stockmar, President of the Board, presided.

Previous Minutes. The minutes of the meeting held on June 15, 1973 were approved as corrected.

Vouchers. President McBride distributed lists of all vouchers paid during the past month. Several suggestions were made to make the tabulation more informational and President McBride said he would incorporate the suggestions into the format for the September meeting.

Bylaws. Pursuant to notice duly given, the Board undertook to consider revision of the bylaws. Mr. Bradley reported he had reviewed the Colorado statutes and had considered the needs of the Board and was proposing several changes in the bylaws. He distributed copies of a draft he had written, which was then considered point by point.

In order to secure more careful review and to enable comments by Board members not present at this meeting, the meeting will as regards this item only be continued until September at which time consideration of the bylaws will be resumed. ✓

Mr. Steinhauer entered the meeting at this time.

Legislation:

S.B. 271 - Concerning Gifts to Institutions of Higher Education. This bill, the concept of which was strongly supported by CSM, was amended in Section 1 (3) to provide that nonprofit entities such as foundations will be more or less subject to audit by the State Auditor, depending upon their degree of independence from the school. It is not clear what effect this provision will have on CSMF even though we have taken all necessary steps to be in compliance with the CCHE/LAC policy on foundations: (1) the CSM Foundation has been ✓

July 13, 1973

RECORD OF PROCEEDINGS

2

physically moved away from the School; and (2) the charter and bylaws have been amended and so structured that even though the School is the sole legal beneficiary of the Foundation, the two are completely separated. S.B. 271 has been signed into law. ✓

H.B. 1264 - Concerning the Powers of the Board of Trustees of the Colorado School of Mines to Sell or Exchange Certain Real Property. This bill was written to allow us to sell property in New Mexico. The money derived from such sale is to be credited to "scholarship fund." The bill does not make provision for a disposal of local property. H.B. 1264 has been signed into law. ✓

H.B. 1368 establishing grievance procedures for teachers and H.B. 1472 establishing a procedure for collective bargaining were both killed in committee.

Covell decision, which allows students to establish tuition residency while full-time students, has been upheld. Mines and other schools are now required to refund excess tuition paid as nonresidents by those students who applied and qualified for resident tuition. We do not know the impact this will have on the budget, but it is expected that there will be a supplemental appropriation to cover. ✓

Married Student Housing. Mr. Steinhauer reported to the Board that bids had been opened on June 28 and the lowest bid exceeded the allocated amount by \$320,000. After much discussion of alternatives open to us, it was moved, seconded, and passed that all bids be rejected, that Mr. Steinhauer and Dr. McBride be instructed to attempt to have HUD interest subsidy (all interest in excess of 3 percent) continued, and that all necessary steps be taken to continue the architect's obligation under his contract. Mr. Steinhauer and President McBride were also instructed to use their judgment in the timing of new bids, if new bids are to be called for. ✓

Enrollment. President McBride reported that enrollment in summer school is 50 percent more than anticipated. Indications continue that fall enrollment will be lower than last year.

CCD Space. President McBride reported that there has been a letter from CCD thanking us for our cooperation and saying that CCD has received approval to use relocatable spaces at their present site to meet space needs. We therefore conclude that our space offer to them is effectively withdrawn. ✓

USGS Space. President McBride reported to the Board that the local head of the USGS has received approval from the Secretary of the Interior to locate a substantial part of his work force on the campus, using the old gym,

July 13, 1973

RECORD OF PROCEEDINGS

3

and some space in both the basement of the geology building and the basement of Green Center. The intention is to build a separate building for this part of the USGS either on or adjacent to the campus, so this is definitely a term arrangement and will be so specified in the lease which they will have. ✓

The Board looked with favor on such cooperation and instructed the administration to achieve it.

Advisory Council. President McBride reminded the Board that the 1972 Advisory Council recommended the appointment of a "second tier" board with broad geographical representation, not limited to alumni, to meet once or twice a year and to pay particular attention to our public relations problem. ✓

In view of the fact that the Board has the intention of devoting a separate meeting to goals and directions, it was decided that no action should be taken in the formation of an advisory council until after the Board has had an opportunity to devote itself to the general question of directions.

It was agreed that the afternoon of Friday, September 7, 1973, would be set aside for the exclusive consideration of long term goals and directions of CSM. ✓

Sub-Committee for Selection of Distinguished Achievement Medalists. President McBride recommended, and the Board concurred, that Dr. A. G. Pegis, Vice President for External Affairs, and Mr. David Cole, Executive Secretary of the Colorado Mining Association, be invited to become members of the sub-committee to assist the Board in selecting candidates for the Distinguished Achievement Medals. ✓

Monthly Reports. Mr. Steinhauer reviewed the monthly reports as follows: Balance Sheet, June 30, 1973; Summary for Budget Appropriation & Disbursements, June 30, 1973; Budget Summary for Open End Bond Issue, June 30, 1973; Budget Summary for 1966 Bond Issue, June 30, 1973; Budget Summary for State Rental Properties, June 30, 1973; Budget Summary for Health and Accident Plan, June 30, 1973; Budget Summary for CSM Athletic Association, June 30, 1973; Budget Summary for Associated Students, June 30, 1973; and Office of Research Services Contract Funds, June 30, 1973.

The meeting adjourned at 12:00 noon.

Assistant Secretary

July 13, 1973

RECORD OF PROCEEDINGS

CONSENT OF TRUSTEES

The purpose of this document, "CONSENT OF TRUSTEES, August 13, 1973," is to adopt certain resolutions set forth below by the Board of Trustees, Colorado School of Mines, acting as individuals and in concert, in the absence of a stated or called meeting of the Board.

The actions reflected in the resolutions are made necessary by the retirement from office with effect as of August 31, 1973 of Mr. Gurnett Steinhauer, Vice President for Business Affairs, Colorado School of Mines, and the appointment to that office, with the consent of the Board, of Mr. W. G. Scott with effect as of September 1, 1973.

The resolutions are intended to have the effect of revoking the authorization of Mr. Steinhauer's signature on accounts of the Colorado School of Mines and of authorizing the signature of Mr. Scott on all accounts, both revocation and authorization to become effective at the opening of business September 1, 1973.

Therefore, the Trustees of the Colorado School of Mines do adopt the following resolutions and order that they be noticed as necessary to the custodians of said accounts:

RESOLVED, That the COLORADO NATIONAL BANK OF DENVER, Denver, Colorado, as a designated depository of this corporation be and it is hereby requested, authorized and directed to honor, effective September 1, 1973, all checks, drafts or other orders for the payment of money drawn in this corporation's name on the accounts listed below (including those drawn to the individual order of any person or persons whose names appear thereon as a signer or signers thereof) when bearing or purporting to bear the signatures or facsimile signatures of the following:

Guy T. McBride, Jr.	President
W. G. Scott	Vice President for Business Affairs

and the bank shall be entitled to honor and to charge this corporation for all such checks, drafts or other orders for the payment of money, regardless of by whom or by what means the actual or purported facsimile signature or signatures resemble the facsimile specimens from time to time filed with the bank by the secretary or other officer of this corporation; and

FURTHER RESOLVED, That all previous authorizations for signatures on checks or drafts and for deposits are revoked effective September 1, 1973.

Savings Accounts

CSM Dorm System Repair & Replacemt Reserve	203477
CSM Dorm System Bond & Interest Sinking Fund	197286
CSM Housing System Repair & Replacemt Reserve	233648
CSM Housing System Bond & Interest Sinking Fd	231791

August 13, 1973

RECORD OF PROCEEDINGS

RESOLVED, That The First National Bank in Golden, Golden, Colorado, as a designated depository of this corporation be and it is hereby requested, authorized, and directed to honor, effective September 1, 1973, all checks, drafts or other orders for the payment of money drawn in this corporation's name on the accounts listed below (including those drawn to the individual order of any person or persons whose names appear thereon as a signer or signers thereof) when bearing or purporting to bear the signatures or facsimile signatures of the following:

Guy T. McBride, Jr. President
W. G. Scott Vice President for Business Affairs

and The First National Bank in Golden shall be entitled to honor and to charge this corporation for all such checks, drafts or other orders for the payment of money, regardless of by whom or by what means the actual or purported facsimile signature or signatures thereon may have been affixed thereto, if such facsimile signature or signatures resemble the facsimile specimens from time to time filed with The First National Bank in Golden by the secretary or other officer of this corporation; and

FURTHER RESOLVED, That all previous authorizations for signatures on checks or drafts and for deposits are hereby revoked effective September 1, 1973.

Checking Accounts	
CSM Athletic Asso. Revolving Fund	21-08912
CSM Dorm System Revenue Fund	21-39225
Savings Accounts	
CSM Restricted Fund	40-71527
CSM Associated Student Health & Accident	40-71519
CSM Athletic Association	40-79254

RESOLVED, That the funds of the undersigned Colorado School of Mines be and the same are hereby authorized to be paid to

Savings Account
Clark B. Carpenter Award Fund 3494

in THE GOLDEN SAVINGS AND LOAN ASSOCIATION and that said institution be and it is hereby authorized to pay withdrawals until further written notice to it signed in the name of this organization by any two persons, whose signatures appear on signature cards, i.e.,

Guy T. McBride, Jr. President
W. G. Scott Vice President for Business Affairs

Said institution further is authorized to accept a pledge of all or any part of said account as security for any loan made by it to said organization which shall be executed in the name of said organization by the signatory parties designated in the preceding sentence. The institution is authorized to supply any endorsement for the undersigned on any check or other instrument tendered for this account and it is hereby relieved of any liability in connection with collection

RECORD OF PROCEEDINGS

of such items which are handled by it without negligence and it shall not be liable for the acts of its agents, subagents or others or for any casualty. Withdrawals may not be made on account of such items until collected, and any amount not collected may be charged back to this account, including expense incurred, and any other outside expense incurred relative to this account may be charged to it.

RESOLVED, That the following officers of the School be, and they are hereby authorized in the name of this corporation, to collect, discount, negotiate, endorse and assign all checks, drafts, notes and other negotiable or non-negotiable instruments payable to this company, or in which this company has an interest, and to draw, sign and deliver, in the name of this corporation, checks or drafts against the funds of this corporation on deposit in GOLDEN STATE BANK, Golden, Colorado, effective September 1, 1973:

Guy T. McBride, Jr. President and
W. G. Scott Vice President for Business Affairs

FURTHER RESOLVED, That the following officers of the School be, and they are hereby authorized to borrow, on behalf of this corporation, from time to time, from Golden State Bank, Golden, Colorado, such sums of money as they may deem necessary or advisable, and in the name of this corporation, to execute and deliver its obligations evidencing any sums so borrowed, bearing such dates, payable at such times, with such rates of interest and containing such other terms and provisions as said Bank may require; effective September 1, 1973:

Guy T. McBride, Jr. President and
W. G. Scott Vice President for Business Affairs

FURTHER RESOLVED, That the officers named in the last foregoing resolution be, and they hereby are, authorized to pledge, transfer, assign, endorse and deliver to Golden State Bank, Golden, Colorado, as security for the repayment of any sums so borrowed, any of the bonds, stocks, bills or accounts receivable, or other securities of this company, upon such terms as may be required by said Bank;

FURTHER RESOLVED, That for the purpose of deposit in the account or accounts of this corporation with Golden State Bank, Golden, Colorado, any officer of this company may endorse, sign or deliver on behalf of this corporation, any checks, orders or other evidence of indebtedness for the payment of moneys payable to the order of this corporation;

FURTHER RESOLVED, That the authority of the aforesaid officers to perform each and all of the powers conferred by the foregoing resolutions shall continue until notice, in writing, terminating such authority, shall be served upon Golden State Bank, Golden, Colorado, and shall be noted upon the certified copy of such resolution delivered to said Bank.

Checking Accounts

CSM Imprest Account 41-210-0
CSM Housing System Revenue Fund 40-421-2

Savings Accounts

CSM Restricted Fund -02 467 8 CSM Chas. P. Wegeforth Mem.-02 660 4
CSM Student Loan Fund-02 474 1 CSM Edwin E. Hand Endowmt -04 002 4
CSM Guggenheim Legacy-04 702 4 CSM Assoc. Stu Health & Acc. -03 079 2

RECORD OF PROCEEDINGS

4

RESOLVED, That the WACHOVIA BANK & TRUST COMPANY, Winston-Salem, North Carolina, as a designated depository of this corporation be and it is hereby requested, authorized and directed to honor, effective September 1, 1973, all checks, drafts or other orders for the payment of money drawn in this corporation's name on the accounts listed below (including those drawn to the individual order of any person or persons whose names appear thereon as a signer or signers thereof) when bearing or purporting to bear the signatures or facsimile signatures of the following:

Guy T. McBride, Jr. President

W. G. Scott Vice President for Business Affairs

and the bank shall be entitled to honor and to charge this corporation for all such checks, drafts or other orders for the payment of money, regardless of by whom or by what means the actual or purported facsimile signature or signatures thereon may have been affixed thereto, if such facsimile signature or signatures resemble the facsimile specimens from time to time filed with the bank by the secretary or other officer of this corporation; and

FURTHER RESOLVED, That all previous authorizations for signatures on checks or drafts and for deposits are revoked effective September 1, 1973.

CSM Student Loan Fund 1-018-387

NDSL Fund 5-018-385

August 13, 1973

RECORD OF PROCEEDINGS

In affixing his signature to this CONSENT OF TRUSTEES in the space provided, each Trustee indicates approval and acceptance of the above resolutions as if adopted at a regular or special meeting called for the purpose. Each Trustee further agrees that any number of copies of this consent may be separately executed by Trustees and all copies so executed shall collectively constitute one consent.

<u>Name</u>	<u>Signature</u>	<u>Date</u>
Ted P. Stockmar President	_____	_____
Edwin J. Eisenach Secretary	_____	_____
William A. Alexander Assistant Treasurer	_____	_____
Leo N. Bradley Vice President	_____	_____
W. K. Coors Assistant Secretary	_____	_____
John A. Reeves Assistant Secretary	_____	_____
Charles F. Fogarty Assistant Treasurer	_____	_____