

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	_____	_____

RECORD OF PROCEEDINGS

Golden, Colorado
September 7, 1973

In substitution of the regular monthly meeting, the Board of Trustees met at 9:00 a.m., on September 7, 1973, in the President's Office of the Colorado School of Mines.

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

Absent: Messrs. Alexander, Eisenach, and Fogarty.

President McBride and Mr. W. G. Scott, newly-appointed Vice President for Business Affairs, attended the meeting.

Vouchers. President McBride asked Mr. Scott to distribute the tabulation of vouchers paid during the month of August. The listing was reviewed, and several suggestions were made for further clarification and benefit to the Board in future reviews.

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

Election of Treasurer. Taking note of the retirement of Mr. Gurnett Steinhauer, it was moved, seconded, and unanimously passed that Mr. W. G. Scott be elected Treasurer of the Board.

Centennial. President McBride read the following telegram into the minutes:

THE PRESIDENT AND BOARD OF TRUSTEES
COLORADO SCHOOL OF MINES
GOLDEN, COLORADO

THE MEMBERS OF THE PHILIPPINE SECTION (MANILA
AND BAGUIO) OF THE COLORADO SCHOOL OF MINES
ALUMNI ASSOCIATION CONVEY THEIR WARMEST GREETINGS
AND BEST WISHES ON THE CENTENNIAL INAUGURATION
DAY OF OUR ILLUSTRIOUS ALMA MATER.

RAOUL E. KAHN '39

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

WHEREAS the Legislative Assembly and Governor of the Territory of Colorado on February 9, 1874 approved "an Act to establish a school of mines at or near Golden, Jefferson County,

September 7, 1973

Colorado", February 9, 1974, will mark the 100th Anniversary of the founding of the Colorado School of Mines.

WHEREAS CSM, the initials of the School, at this time appropriately signify "A Century of Service to Mankind" -- the proud record of this institution of mineral-engineering education, whose faculty and graduates, by their outstanding achievements, have created and fostered a worldwide reputation. ✓

BE IT THEREFORE RESOLVED that the Board of Trustees of the Colorado School of Mines, meeting on September 7, 1973, do hereby officially designate the period commencing September 8, 1973, as the Centennial Year, and do designate the anniversary of the founding date, February 9, 1974, as Centennial Day.

Authorizing Resolutions. The following resolutions were adopted to replace Mr. Steinhauer's name as authorized representative of the School:

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 access to the safe deposit box when bearing or purporting to bear the signature or facsimile signatures of any two 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 the payment of rental of this safe deposit box regardless of by whom or by what means actual or purported facsimile signatures thereon may have been affixed thereto, if such facsimile 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 for this safe deposit box are revoked effective September 1, 1973.

RECORD OF PROCEEDINGS

3

RESOLVED, That Guy T. McBride, Jr., President, or W. G. Scott, Vice President for Business Affairs and Treasurer each are hereby authorized, directed, and appointed as attorneys in fact for this corporation to sell, assign, and transfer the whole or any part of the capital stock of all corporations presently held or hereinafter acquired in the name of the Colorado School of Mines; and

FURTHER RESOLVED, That all previous authorizations for signatures for the transfer of stock held in the corporation's name are revoked effective September 1, 1973.

Bylaws. As continued from the July 13, 1973 meeting, the bylaws of the Board were considered. Several minor changes were made and by motion made, seconded, and passed the bylaws as appended to these minutes were approved. ✓

Leaves of Absence. President McBride presented a request from Professor Niles E. Grosvenor that his leave of absence without pay be extended for the 1973-74 school year. Upon the recommendation of Professor Bator and Dr. Gary, and with the concurrence of President McBride, the Board approved the extension of the leave of absence. ✓

President McBride presented a request for a leave of absence without pay for the first semester of the 1973-74 school year from Professor George R. Pickett. Dr. Holmer and Dr. Gary recommended approval and President McBride concurred in this recommendation. The Board approved a leave of absence without pay for Professor Pickett for the fall semester, 1973-74 school year. ✓

The general philosophy of leaves was discussed. It was agreed that leaves which permit practical experience in industry enhance the ability of teaching faculty and thus benefit the School. ✓

New Faculty Appointments. President McBride reported the following appointments:

George T. Bator	\$21,200
Professor of Mining Engineering and Head of Department	
Carl A. Fawcett	13,500
Director of Student Center & Student Housing	
Franklin D. Schowengerdt	13,800
Assistant Professor of Physics	

September 7, 1973

This leave was extended to 5-17-74 by Gary & President

W. G. Scott	\$22,500
Vice President for Business Affairs	
Robert A. Walsh	19,000
Professor of Mathematics and Head of Department	
Victor F. Yesavage	14,000
Assistant Professor of Chemical and Petroleum-Refining Engineering	

Appointment of Department Heads. It was the consensus of the Board that President McBride will appoint department heads after careful consultation with Board members who are reasonably available at the time, consideration being given to the urgency of the appointment.

*Correct
as
written
B*

Dr. Joseph R. Lee. President McBride reported that Dr. Lee, former Head of Mathematics Department, who had died June 18, 1973, named the School as a beneficiary in his will to the extent of one-half of his estate.

NCA Report. As contained in the NCA report, copies of which had previously been mailed to the Board members, the School has been accredited by that agency for another ten years through the doctorate without waivers or restrictions.

In connection with the report and comments contained therein, Mr. Stockmar expressed the opinion that he felt this would be a good time to examine the plaudits received in order that we not become complacent and also to ask ourselves what we are doing about the constructive criticism.

Mr. Coors thought it would be appropriate to inquire on what basis the statement was made in the report that the reputation of the School was "on the wane."

It was agreed that a review and discussion of the NCA report would be prepared for and presented to the Board at its next meeting.

Goals and Objectives. As agreed at the July 13, 1973 meeting, it was again decided to devote a definite segment of time to discussion of goals and objectives. Because of the absence of several members at this meeting and the inability of others to devote the afternoon of this meeting to this discussion as originally hoped, an effort was to be made to set up an October meeting date when an entire afternoon could be so scheduled. With this in mind, those members of the Board present agreed on an all-day meeting for October 17 next.

Legislative Audit Hearing. President McBride reported there would be a Legislative Audit hearing on September 20, 1973, at 10:00 a.m., and said it would be helpful to have Trustee representation at the hearing.

Budget Hearing. Our hearing before the Colorado Commission on Higher Education and the Executive Budget Office will be at 9:00 a.m., October 10, 1973. Mr. Stockmar and President McBride consider it essential that as many Board members as possible be at this hearing.

Jack Yench Case. Copies of the Tenth Circuit decision with regard to the Yench case had been mailed to the members of the Board. This decision dealt with the petition of an individual to be relieved of the action taken by the Office of the President, CSM. The decision affirmed this part and remanded that part as to whether there had been a violation of constitutional rights because Mr. Yench had not been allowed to wear a Mickey Mouse hat at graduation. Mr. John E. Bush, Deputy Attorney General, is handling the case for the School. ✓

The Board agreed that Mr. Bush's decision not to challenge the remand procedure but to follow it vigorously be accepted.

USGS Space Offer. President McBride reported that the School is continuing to negotiate with the USGS to fill their need for space.

Dr. Gary and Dean Copeland entered the meeting at this time.

Enrollment. Dr. Gary distributed copies of a preliminary enrollment summary which indicated our FTE will be at least equal to the figures used in our budget request.

Comparative Engineering Education Costs. These costs, assembled by Dean Copeland, were discussed briefly, time being limited, and are to be mailed to Board members for their use in preparation for the budget hearing on October 10.

1973-74 Health and Accident Plan Budget. Mr. Scott presented a deficit budget in the amount of \$3,000. President McBride reported that the State Insurance Commissioner has disapproved our plan, which has been in operation for some years, on the basis that the School cannot function as an insurance company, this in spite of the fact that our plan is fiscally sound and there has been built up a surplus earmarked for an infirmary. We are, therefore, in the process of negotiating with Lutheran Hospital on a per student cost and the budget ✓

presented this day is a vehicle whereby the School can operate temporarily on the same basis we did last year.

With this understanding, the tentative budget was approved.

The question was posed: Should an attempt be made to have the law changed to permit us to operate what has proven to be a sound plan?

1974-75 School Budget. Dr. Gary presented a proposed budget request for 1974-75 in the amount of \$7,856,474. Although the fundamental assumptions underlying the budget received general concurrence, the budget was not accepted as presented because of an undesirable mingling of state and non-state funds. An extension was to be requested on the date of submission to the State.

Capital Construction Budget. The capital construction budget was mentioned, but was neither fully presented nor discussed. It was understood that there were no unusual items in this budget; the only major item in fact being physical planning for the library addition in the amount of \$62,549.

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

The meeting adjourned at 2:30 p.m.

Assistant Secretary

BYLAWS OF THE BOARD OF TRUSTEES

OF

THE COLORADO SCHOOL OF MINES

Adopted March 5, 1942
As Amended May 9, 1947
As Amended November 8, 1957
As Amended September 7, 1973

1. Principal Offices. The principal offices of the Board of Trustees shall be in the administrative offices of the Colorado School of Mines, Golden, Colorado.

2. Officers. The Officers of the Board shall be a President, Vice-President, Secretary, Assistant Secretary, Treasurer, and Assistant Treasurer. The President shall be elected at the biennial meeting of the Board and shall hold office until his successor is elected. All other Officers shall be appointed by the Board at said meeting and serve for like terms. A vacancy in any office may be filled at any regular meeting of the Board or at any duly called special meeting if notice of the intention to fill such a vacancy is included in the notice of the special meeting. The President and Vice-President shall be members of the Board. The Secretary, Assistant Secretary, Treasurer and Assistant Treasurer may or may not be members of the Board. The Board may, at its discretion, remove at any time any officer.

3. Duties.

President. The President shall be the chief executive officer of the Board and shall perform all duties customarily delegated to the chief executive officer of the governing board of an institution of higher learning and such other duties as may from time to time be assigned to him by the Board of Trustees.

Vice-President. The Vice-President shall perform the duties and exercise the powers granted to him by the Board of Trustees from time to time. He shall perform all duties of the President in case of absence of the latter.

Secretary. The Secretary shall:

(a) Keep the minutes of the meetings of the Board of Trustees in books provided for that purpose.

(b) See that all notices are duly given in accordance with the provisions of these Bylaws and as required by law.

(c) See that the books, reports, statements, certificates, and all other documents and records required by law are properly kept and filed.

(d) In general, perform all duties incident to the office of Secretary and such other duties as may, from time to time, be assigned to him by the Board of Trustees or the President.

Assistant Secretary. At the request of the Secretary or in his absence or disability, an Assistant Secretary shall perform all of the duties of the Secretary, and when so acting, he shall have all the powers of, and be subject to all of the restrictions upon the Secretary. He shall perform such other duties as may, from time to time, be assigned to him by the Board of Trustees, the President or the Secretary.

Treasurer. The Treasurer shall:

(a) Have the charge and custody of, and be responsible for, all funds of the School and deposit all such funds in banks, trust companies or other depositories as shall be selected in accordance with the provisions of the Bylaws and applicable state laws.

(b) At all reasonable times exhibit his records to the Board of Trustees.

(c) Render a statement of the condition of the finances of the School at all regular meetings of the Board of Trustees and a complete financial report annually. Further, he shall keep and report such records as proper state officials may lawfully require.

(d) In general, perform all of the duties incident to the office of Treasurer and such other duties as may, from time to time, be assigned to him by the Board of Trustees or the President.

Assistant Treasurer. At the request of the Treasurer, or in his absence or disability, an Assistant Treasurer shall perform all of the duties of the Treasurer, and, when so acting, he shall have all of the duties of, the powers of, and be subject to all of the restrictions upon the Treasurer. He shall perform such other duties as may, from time to time, be assigned to him by the Board of Trustees, the President or the Treasurer.

4. Bond. The Board shall require the Treasurer and the Assistant Treasurer to give such bond as it may from time to time deem sufficient to protect the School against loss of funds that may come into their hands as such Treasurer and Assistant Treasurer, conditioned for the safekeeping and disbursement thereof, and they shall not pay out any of the funds which shall come into their hands as such Treasurer and Assistant Treasurer except upon the order of the President of the Board or the President of the School, in either case countersigned by the Secretary or by the Treasurer.

5. Regular Monthly Meetings. Regular monthly meetings of the Board shall be held at 9:00 a.m. on the second Friday of each month, in the office of the Board in the City of Golden, but at the discretion of the Board, such meetings may be held at any other time and place in the State of Colorado, provided actual notice of such time and place of meeting is given each member of the Board and the President of the School before or at the time of the meeting. Any meetings can be changed as to time, adjourned, continued, or cancelled by a quorum of the Board.

6. Biennial Meeting. The regular monthly meeting in June of each odd numbered year shall be the biennial meeting of the Board, at which Officers shall be elected.

7. Special Meetings. Special meetings of the Board may be held at any place in the State of Colorado at the call of the President of the Board, or in his absence, of the Vice-President or of any other members of the Board or of the President of the School, upon giving of not less than five days oral, written, or telegraphic notice thereof, stating the purpose of the meeting. Notice of any meeting need not be given to any members of the Board, however, who are personally present at the meeting or who shall waive notice thereof, either by signing a waiver or by signing the minutes of the meeting, whether such signature be given before, at, or after the meeting.

8. Quorum. At all meetings of the Board, any four members shall constitute a quorum for the transaction of business, and the vote of the majority of those present shall govern, but less than a quorum may adjourn any meeting of the Board at which a quorum is not present.

9. Signing of Papers. All instruments of a contractual nature and all vouchers, warrants, orders for the payment of funds, and the like shall be signed by the President of the School and countersigned by the Secretary or the Treasurer. Documents requiring execution by the Board of Trustees shall be signed by the President and Secretary.

10. Fiscal Year. The fiscal year of the Board shall correspond with the fiscal year of the School and shall begin with the first day of July each year.

11. Amendments. These Bylaws may be amended, altered, or repealed and new Bylaws made, by a vote of the majority of the Board at any regular or special meeting, provided that notice of the intention to consider revision of the Bylaws is given to each member of the Board not less than ten days prior to the meeting at which the action is to be taken.

12. Repeal. All previous Bylaws and parts of Bylaws in conflict herewith are hereby repealed.

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

2

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
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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

August 13, 1973

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. Wegforth 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

August 13, 1973

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	_____	_____

RECORD OF PROCEEDINGS

Golden, Colorado
October 17, 1973

In substitution of the regular monthly meeting, the Board of Trustees met at 9:00 a.m., on October 17, 1973, in the President's Office of the Colorado School of Mines.

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

President McBride and members of the administrative staff attended the meeting.

Monthly Reports and Vouchers. Mr. Scott distributed copies of the monthly reports as follows: Balance Sheet, September 30, 1973; Summary for Budget Appropriations & Disbursements, September 30, 1973; Budget Summary for Open End Bond Issue, September 30, 1973; Budget Summary for 1966 Bond Issue, September 30, 1973; Budget Summary for State Rental Properties, September 30, 1973; Budget Summary for Health and Accident, September 30, 1973; Budget Summary for CSM Athletic Associations, September 30, 1973; Budget Summary for Associated Students, September 30, 1973; and Office of Research Services Contract Funds, September 30, 1973.

Mr. Scott reviewed the new format employed to list vouchers paid for the preceding month. After discussion it was moved, seconded, and passed that the listing of vouchers paid during the month of September be approved. ✓

Previous Minutes. The minutes of the meeting of September 7, 1973 were approved.

George R. Brown Medal. President McBride reported to the Board that the Class of 1922, of which Mr. Brown is a member, has undertaken to provide funds to purchase from time to time a suitable gold medal to be awarded by the Board in Mr. Brown's honor. The medal is to be given to a person who has rendered distinguished service in or to the field of engineering education. Funds in the amount of \$5,000 are available. Mr. Brown was reported to be pleased to have this medal established in his honor.

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

WHEREAS the Class of 1922 wishes to honor classmate and distinguished citizen, George R. Brown; and

WHEREAS the Class of 1922 proposes to establish a gold medal award in the name of Dr. Brown so to honor him; and

October 17, 1973

RECORD OF PROCEEDINGS

2

WHEREAS this medal will from time to time upon the determination of the Board of Trustees be awarded to a person who has rendered distinguished service in or to the field of engineering education, preferably but not limited to persons who are alumni, faculty, or otherwise closely connected to Mines; and

WHEREAS the Class of 1922 has subscribed funds in the principal amount of at least \$5,000, income from which will be used to pay for medal;

THEREFORE BE IT RESOLVED that the Board of Trustees accept from the Class of 1922 funds as cited with the intention of carrying out the stated wishes of the Class of 1922 to reflect honor on Dr. George R. Brown and the Colorado School of Mines.

AND BE IT RESOLVED FURTHER that the Board of Trustees express appreciation for this fitting tribute to an outstanding alumnus.

Distinguished Achievement Medals. President McBride reviewed the past practice of awarding a limited number of medals each year. He said he had this matter on the agenda at this meeting to ascertain whether the Board wished to consider giving a larger number of medals this Centennial year, as was done at the 75th Anniversary. It was pointed out that when the large number of medals was awarded at the 75th Anniversary the medal was a rather new award and there were quite a few alumni who deserved to be so honored. The matter of number was deferred until the committee had an opportunity to review the present situation, but it was pointed out both that keeping the number low had some merit in that it enhanced the honor of the award and that there was not known to be a substantial backlog of clearly deserving candidates.

Mr. Stockmar appointed Mr. Eiserach chairman of the Board committee to screen candidates and Mr. Alexander, Dr. Fogarty, and Mr. Reeves members of the Committee.

New Faculty Appointments. President McBride reviewed for the information of the Board new appointments to the faculty as follows:

David R. Cole Adjunct Associate Professor of Mining Engineering (fall semester)	\$1,500
Lawrence A. Garfield Adjunct Associate Professor of Mining Engineering (fall semester)	1,500
Niles E. Grosvenor Adjunct Professor of Mining Engineering (fall semester)	1,500

Legislative Audit Committee Hearing. For the information of those unable to be present, the hearing of September 20 was reviewed. President McBride stated that there was nothing in the audit report which he or the Committee believed to represent misjudgment or error on the part of the administration. Mr. Scott said some progress can be made toward the elimination of the repeated criticisms with our present resources. We have undertaken a thorough review of our entire business procedure, and he is confident an improvement in future audit reports can be effected.

Hearing, CCHE/EBO, 1974-75 Budget. The hearing of October 10 was reviewed. The EBO (Executive Budget Office) is recommending an increase in our tuition from \$228 resident and \$911 nonresident (per semester) to \$237 resident and \$968.50 nonresident.

We have submitted a budget in the amount of \$7,876,504 and the EBO is proposing a very preliminary budget in the amount of \$7,266,957. Much work and negotiations are in prospect.

Joint Budget Committee Hearing. Our hearing before the JBC is tentatively scheduled for November 27, 1973 at 4:00 p.m. Mr. Stockmar stressed the importance of Board attendance at this hearing.

Laubach Complaint. Under date of September 20, 1973 all present members of the Board, all who were members of the Board in the spring of 1971, and Dr. Schlechten, and Dr. McBride were served in the Laubach case. Professor Laubach is asking damages claiming mistreatment in the matter of his teaching contract not being renewed. The complaint is being handled by the Attorney General's office.

Goals and Objectives. Mr. Stockmar opened this subject by stating that in view of the importance of this general subject, it had been planned for some time to set aside the bulk of an all-day meeting to discuss the goals and directions open to the Colorado School of Mines. He said no action is intended to be taken this day but since some of the problems may relate to individuals and to sensitive areas, he asked the press to be prepared to excuse itself following the staff reports. Dr. McBride said the reports had been designed to be given in open session.

North Central Association Report. President McBride reviewed the matter of the NCA general accreditation visit April 2-5, 1973. The School was, as a result of this visit, accredited for another ten years, and a report was made by the visiting committee on the strengths and weaknesses of the School. Dean Copeland had extracted from this report some 15 problem areas and had submitted

RECORD OF PROCEEDINGS

4

to the faculty and administrative staff a questionnaire to measure the feelings and attitudes of the faculty in these areas. Dean Copeland had then prepared a summary of the replies. He reported that out of 166 questionnaires distributed, 83 had been returned with 237 additional specific comments.

Dean Copeland gave an oral review of the summary. Mr. Stockmar requested that a copy of all comments made by the faculty be included in the written report to be furnished the Board.

Dean Copeland's report provoked an extended discussion on several of the subjects mentioned in the report and in the presentation, beginning with student counseling. It was recognized that this problem of adequate counseling was not peculiar to the School of Mines. But it was also recognized to be a problem of primary concern.

Major concerns of some members are the development of verbal skills and, if not the inculcation of a broad concept of the psychology of the human mind, at least a concerted effort to see that efforts to achieve a broad view of the place of engineering in human life not be stifled while students are studying here.

Mr. Stockmar itemized sections contained in the NCA report which he felt merited concerted attention. This list has been prepared in the form of a memorandum to the Board and is appended to these minutes.

The values of the NCA report were noted, not the least of which was that it stimulated thinking about the general and particular aspects of the School. A suggestion was made that the main portion of each Board meeting be devoted to one particular problem rather than dividing time and attention among several.

Comparative Costs of Engineering Education. Dean Copeland reviewed a tabulation of cost comparisons among public engineering schools within the State of Colorado. He stated that in his opinion it was difficult, if not impossible, to obtain valid comparisons and he thought perhaps such efforts were counterproductive. It was generally agreed that rather than agonizing over cost comparisons, Mines should concentrate on selling its product.

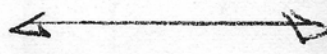
Faculty Productivity. Dr. Gary reviewed the different guidelines used to measure faculty productivity and distributed tabulations of those used for engineering in lower and upper division instruction.

The meeting adjourned at 2:00 p.m.

Secretary

October 17, 1973

Oct 17 1973

1. Minutes. Importance of this particular meeting.
2. Better version of Copeland memo, together with listing] of all comments made by faculty in response to questionnaire. Provide a full listing of all the concerns (15 in question-] naire), those mentioned by Mr. Stockmar, and those listed in Borgmann report.
3. List of unexpurgated alternatives. 
4. List of select alternatives with strategic adaptations.

Board file

• ~~Option X~~ - shut down

• ~~Option I~~

Option II

Option III

• Affiliated CU (how about CSU)

CSM etc of sup for state /
Recog every small units - National School of Mgmt -
Regional etc of Natl School Mgmt - how many?

No of etc under diffence

Federal funding for CSM but not State Mgmt ~~X~~

Connect to ~~state~~ institution

one

- (a) Combination of state and private support (does it work?) where
- (b) federal " " " "
- (c) & all these.

Foreign involvement X

obvious mixture of these

Eliminate graduate

undergraduate ~~X~~ - Federal support for this.

Other financing ~~X~~ students x funding over long pull. (industry pickups)

graduate x } are companies paying?

Colo / U.S. / Int.

Energy or mining tax rebate / royalty rebate

Connect to broad purpose

CSM Objective Review

1) Objectives

- a. Increased enrollment to 2000+ to meet demand and better to utilize resources.
- b. Competitive enrollment to improve student quality.
- c. Increased fraction of n-r enrollments to say 50% to improve quality and increase tuition income.
- d. Faculty compensation - equalize and better CU/CSU/Nat Names.
- e. Increase faculty number modestly by adding outstanding people to increase breadth and expertise - probably through named professorships.
- f. State budget to reach ^{and maintain} optimum ~~to~~ even under inflationary conditions.
- g. Expanded formal contacts abroad / foreign enrollment (double)
- g. Buildings
 - 1) Expand library and its holdings
 - 2) Replace Chacement & Stratton with ^{Ministry} building
- h. Curriculum - Add Geochemistry?
Secure BE degree program

Questions

1. Simple replacement cost
2. Time to rebuild as is
plant
facility
3. Time to build option 3
plant
facility
4. Other Uniques

Undergraduate - Colo
Graduate US
Graduate regional
All Regional School

One of Group of Regional
(each doing best thing)

Oil Shale tax
Energy tax
Bond sales secured
by student debt

Tuition by Downpmt + Notes
Sell notes or borrow

Private sale of Tuition
guarantees

Faculty Profit motive

~~Shut down~~

~~Options~~

Option 2

Option 3

~~C.U. Affiliates~~

~~General Purpose Inst.~~

COLO. ENG. Center

U.S. No. 1

U.S. one of 10

US one of 3 centers

U.S. some support

Private endowment

Private + Colo support

Private + US support

Private + US + COLO

UN Endowment

Foreign endowment

Foreign + US

Foreign + COLO

Foreign + US + COLO.

Who benefits?

Students
Graduate

Colo.

Region

US

World

Faculty

Industry

Who pays?

Students

Colo.

Industry

US?

Mr. Stockmar:

Various futures for the School.

1. We should become a part of CU.

See if CSM could be made the center of engineering and incorporate all engineering work done by other schools.

We should recognize the energy crisis and the fact that the time is here, or past, when we should give consideration to asking that this be made a national school of mines.

We could convert mineral engineering education into a national enterprise where there are 4, 6, 8 existing institutions that would be treated in this way; use school of Mines concept with 10 or more centers.

Maybe we should attempt somehow to retain what we have and have a liberal arts school - a general purpose institution.

Or a regional school of Mines, say for Rocky Mountain states, where regional funding is brought to bear but not with national dominion.

All of these would require major undertaking in Washington to obtain funding. It is possible that people in Washington are progressing along these lines without our being aware of it.

Or we could try to convert this institution into a privately-endowed institution. Or private endowment plus federal interest.

Another combination of funding would be: state, private, federal.

Or a combination of U.S., foreign, and private funding.

Perhaps we should mention these ideas to the JBC as an incentive for better funding in the immediate future.

Should we concentrate on being the best undergraduate school; or should we consider emphasizing and attempting to be the best graduate school in our area.

It seems to me that we have never really looked at other means of financing this institution.

Who benefits? Students, graduates, Colorado, region, U.S., national defense, world, faculty, industry.

Who pays? Students, State of Colorado, industry (sizeable) and U.S. (some).

I can visualize a structure properly financed where we could significantly increase our enrollment by having the students pay tuition of \$2,000 but have a plan whereby the student actually pays \$500 per year, plus a promissory note at six percent payable in the next 20 years.

Also we should face up to the fact that Colorado collects on mineral resources in State and we should ask for a royalty - perhaps on the oil shale.

The name of the School may turn some people away. (Provincial, says Mr. Reeves.)

Mr. Stockmar's conclusions:

We should reject Option 1 of Brogmann Report.

We should not become branch of CU.

Our greatest need is to attract and keep highly qualified young people. We should go to other states to recruit.

(Send teams out to neighboring states and fly high school counselors in for orientation session, CSM footing bill. suggested by Mr. Bradley.)

Dr. Alter: Higher education is in bad shape. In order to have best chance at survival an institution must be doing something exciting, creative, innovative. It is no longer enough to be doing the same thing others are doing. Unless novel ideas are generated before long, we are in real trouble.

Mr. Stockmar: Just told that Denver University is closing its engineering school in June, 1975. We should be able to capitalize on this.

Mr. Stockmar to make contact immediately with Mr. Aksel Neilson, Chairman of their Board. Dr. McBride to call Chancellor Mitchell. Offer to help in any way. Contact students? Make direct approach to students.

United Nations University - long in talking stage. (This subject brought up by Dr. Alter.)

We should talk to those in Washington (executive branch perhaps more receptive/effective in our case than legislative) who could talk about a national school of mines.

We must establish need. We must document need.

RECORD OF PROCEEDINGS

Golden, Colorado
November 9, 1973

The Board of Trustees met in regular session at 10:00 a.m., November 9, 1973, in the Board Room of the Colorado School of Mines.

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

Absent: Mr. Eisenach.

President McBride and Mr. Scott attended the meeting.

Vouchers. After examination of listing of vouchered payments for the month of October, it was moved, seconded, and passed that the list as appended to these minutes be accepted as evidencing satisfactory control of expenditures and transfers of funds.

Previous Minutes. Upon motion made, seconded, and unanimously passed, the minutes of the meeting held on October 17, 1973 were approved.

Budget Hearing. President McBride called the attention of the Board to the change in the date of the CSM hearing before the Joint Budget Committee to December 4, 1973, 10:00-11:00 a.m., in Room 341 Capitol Building.

1974-75 Budget Request & EBO Recommendations. President McBride called the attention of the Board to a document under date of October 31 last which presents a comparison and analysis of Mines 1974-75 budget request. President McBride stated that the EBO figures are expected to be substantially changed prior to our December 4 hearing.

USGS Space Lease. President McBride reported that negotiations were continuing with the USGS for the lease of campus space. The space offered to the USGS in the Old Gym has been refused by the GSA. We are currently negotiating with them for temporary use of some space in the Green Center and Berthoud Hall and some long-term arrangement for a leased building on or adjacent to the campus.

New Faculty Appointment. President McBride reported a new appointment as follows:

Christopher Hall \$7,600/4 mos.
Research Associate, Basic Engineering
(beginning November 1, 1973)

RECORD OF PROCEEDINGS

2

Professor John R. Hayes. President McBride reported that Professor Hayes wishes to retire early, (for health) at the end of the present school year. President McBride said he has accepted the resignation.

Mr. Stockmar asked that President McBride convey to Dr. Hayes the deep appreciation of the Board for his dedication and contributions.

Senior Day. President McBride reviewed the situation as it has developed since the Board banned Senior Day in 1952. He said there have been "sneak" days practically every year, with varying activities, some harmless and a few resulting in untoward incidents. President McBride recommended that the total ban on such spring semester holidays be lifted and a more moderate ruling be made by the Board.

Upon motion made, seconded, and unanimously passed, the following policy was approved:

Plans for Senior Day, if it is to be held, must be presented in substantial detail, not including the proposed date of the event, to the Vice President for Academic Affairs for approval. Students who participate in Senior Day activities other than those approved in broad outline under this policy shall be subject to disciplinary action in accordance with the Student Handbook.

Claims Committee. President McBride called the attention of the Board to the fact that the faculty bylaws set forth the membership of the Claims Committee (student health and accident program) and specify that faculty representatives be appointed by the Board.

To expedite the matter at this time, the Board confirmed appointments to the Claims Committee as listed below and asked President McBride to urge the faculty to amend its bylaws to make these appointments an administrative matter rather than a Board concern.

Appointments confirmed:

Dr. Richard C. Robinson
Term to expire 1973-74

Dr. Ardel J. Boes
Term to expire 1974-75

Dr. Donald W. Gentry
Term to expire 1975-76

Institute for Extractive Metallurgy. President McBride reviewed the situation regarding the Institute which has been funded through grants made to the CSM Foundation by Dr. W. J. Kroll, now deceased. Now that we are separating Foundation from School activities, this Institute is the first of the counterpart organizations needed to be established to match funds which now exist in the Foundation. President McBride said he was recommending that the Institute, now to be re-named the W. J. Kroll Institute for Extractive Metallurgy, be made a component part of the Colorado School of Mines and recommended the following resolution be adopted:

WHEREAS the Institute for Extractive Metallurgy Fund has long been established within the Colorado School of Mines Foundation, Inc., through the foresight and generosity of Dr. W. J. Kroll, and continued support for the Institute is indicated; and

WHEREAS past expenditures for the direct benefit of the Colorado School of Mines have been made directly from this fund by Colorado School of Mines Foundation, Inc., future expenditures made for the direct benefit of the School must be reflected upon the financial records of the School; and

WHEREAS the Board of Trustees of the Colorado School of Mines has therefore determined that it wishes to establish the W. J. Kroll Institute for Extractive Metallurgy within the Colorado School of Mines and to appoint a Director to supervise, subject to the approval of the administration of the Colorado School of Mines, the activities of the Institute: Therefore be it

RESOLVED, That the Board of Trustees of the Colorado School of Mines hereby directs as of this date the establishment of the W. J. Kroll Institute for Extractive Metallurgy as a component part of the Colorado School of Mines to promote education and research in extractive and process metallurgy; and be it further

RESOLVED, That, being in concurrence with the intent and desire of the donor, the Board of Trustees of the Colorado School of Mines does hereby approve the appointment of Dr. A. W. Schlechten, Alcoa Foundation Professor of Metallurgy, to serve as Director of the W. J. Kroll Institute for Extractive Metallurgy from this date to September 1, 1985,

subject to his ability to competently perform such duties, notwithstanding that the term of this appointment will extend beyond his normal mandatory retirement date; and that the duties of the Director shall be as assigned by the President of the Colorado School of Mines and that expenditures made by the Institute will be approved by the President of the Colorado School of Mines or his designee.

Upon motion made, seconded, and unanimously passed, the resolution was adopted by the Board.

The Board asked that President McBride convey to Dr. Schlechten its congratulations and appreciation for the establishment of this Institute at Mines.

Monthly Reports. Mr. Scott answered questions on the monthly reports prepared in his office. The following reports were distributed: Balance Sheet, as of October 31, 1973; Summary for Budget Appropriations & Disbursements, October 31, 1973; Budget Summary for Open End Bond Issue, October 31, 1973; Budget Summary for 1966 Bond Issue, October 31, 1973; Budget Summary for State Rental Properties, October 31, 1973; Budget Summary for Health and Accident Plan, October 31, 1973; Budget Summary for CSM Athletic Association, October 31, 1973; Budget Summary for Associated Students, October 31, 1973; and Office of Research Services Contract Funds, as of October 31, 1973.

It was requested by the Board that at a subsequent meeting, these reports be reviewed once item by item for a better understanding. It was further requested that the applicable items in these monthly reports be related to budget figures.

CSM Objectives and Goals. Mr. Stockmar said that in line with discussions at the October Board meeting, considerable work has been done in advancing our request for support in Washington, which only coincidentally comes at the time of President Nixon's energy crisis speech. Our primary thrust will be that we are a significant producer of the manpower to alleviate the present energy and impending material crises. Mr. Stockmar said he and President McBride will be glad to receive input from other members of the Board for the design of our various major presentations. A series of appointments has been arranged with the Colorado congressional delegation and others in Washington such as Governor Love. Mr. Stockmar and President McBride are going to be meeting with these people. ✓

Agenda. Further in line with the October meeting discussion, it was directed that President McBride select one major item from among the North Central concerns for the agenda each month, furnish background material for mailing with the agenda, and thus enable the Board to direct time and attention to a single item rather than to expend its time less effectively on subjects chosen more randomly.

Length of Meeting. It was requested that a time of adjournment, or a close approximation of time of adjournment, be established so that Board members can make plans for that day. ✓

The meeting adjourned at 12:30 p.m.

Assistant Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
December 14, 1973

The Board of Trustees met in regular session at 9:30 a.m., December 14, 1973, in the Board Room of the Colorado School of Mines.

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

Absent: Mr. Eisenach.

Mr. Stockmar, President of the Board, presided.

President McBride and Mr. Scott attended the meeting.

Previous Minutes. The minutes of the meeting held on November 9, 1973 were approved.

Vouchers. After examination of listing of vouchered payments for the month of November, it was moved, seconded, and passed that the list as appended to these minutes be accepted as evidencing satisfactory control of expenditures and transfers of funds.

Date of January Meeting. It was agreed that a January Board meeting in substitution of the regular meeting be held the afternoon of January 4, 1974 following the annual hearing before the Joint Budget Committee. The Board meeting will be held in Denver.

Time of Meetings. Upon motion made, seconded, and unanimously passed, the starting time for future regular meetings was set at 9:30 a.m.

Joint Budget Committee Hearing. The hearing before the JBC has been postponed to January 4, 1974, 10:30 a.m. to 12:00 noon; meeting to be in same location, 341 Capitol Building. President McBride said special invitations had been sent to the Jefferson County legislators. The president of the Associated Students and several other students will attend, as will at least one faculty representative. It was agreed that representation from industry would be of value to emphasize the importance of the production of mineral engineers to the solution of the energy crisis. The members of the Board undertook the task of obtaining such representation from industry.

It was further reported that we are in close contact with approximately 30 students from the D.U. School of Engineering. We have been receiving important guidance from a New York public relations firm and we have discussed at length our recruiting strategy. We have considered employing outside organizations to survey our admissions procedures.

It was pointed out that a student who is satisfied he has made the right choice in schools and careers must be the best recruiting agent available. President McBride distributed copies of a letter which is being sent to each student at his home during the Christmas holidays. The letter asks that each student attempt to contact friends to interest them in coming to Mines to prepare to become involved in solving energy and materials problems. ✓

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

Mr. Scott answered questions regarding the correlation of these reports to the budget figures.

Budget Request. There followed a lengthy discussion of the desirability of predicating our budget request on an increased enrollment or of waiting to see what our enrollment actually is and if increased, seeking a supplemental appropriation. The pros and cons were discussed, but in the end it was left to President McBride's judgment with the understanding that the cost of a specific number of additional students be presented in a cogent way at the hearing.

Professional Degree. There was distributed a progress report made by the Professional Degree Committee to the Curriculum Committee under date of December 3, 1973. This report was to be read by the members of the Board in anticipation of action at the March or April Board meeting, depending upon the progress of necessary internal approvals. ✓

Leave of Absence. President McBride presented a request from Dr. Robert D. Reed for an extension of the leave of absence granted him January 1, 1973. Dr. Reed is at this time a Hearing Examiner for the New York Public Service Commission. His leave is without pay.

Upon motion made, seconded, and unanimously passed, the leave of absence without compensation was extended to August, 1974.

Academic Leave. President McBride presented to the Board a request from Dr. Ramon E. Bisque for an academic leave for the 1974-75 school year at one-half pay. Dr. Bisque intends to devote the year to conducting seminars and workshops for high school earth science teachers on the use of a major revision of a textbook which he has recently prepared.

Upon motion made, seconded, and passed, the leave for Dr. Bisque for 1974-75 at one-half pay was approved on the basis of the value of this activity to the School, especially as regards recruiting.

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, subject to the completion of all academic requirements and continued compliance with school requirements and regulations.

BACHELOR OF SCIENCE (MINING ENGINEERING)

Bentley Fleming Badgett	James Joseph Gusek
Lance Russell Barron	Timothy Michael Hawkes
William Pierrepont Bartow	James Ronald Hitt
Michael Andrew Benza	David Alan Jacoby
Richardo Moreno Campoy	Milton Evan Meacham
Gordon William Clark	Vaney George Plocus
Ronald Douglas Drake	Gary Wayne Shotton
Fred William Fest, III	David Randal Smaldone
Alan Richard Gadberry	Wilfred Snow Streeter

ENGINEER OF MINES

William Chirnside
Charles Bayard Hart

BACHELOR OF SCIENCE (METALLURGICAL ENGINEER)

Carlos Quintini Alizo	Ralph Edward Davison
William John Arbegast, Jr.	Stephen Joseph Harms
Daniel Loren Blakeman	John Earl Huffman
William Eugene Brooks	Stanley Eugene Knaus
Dennis Raymond Canfield	Mark Vaivoda

METALLURGICAL ENGINEER

Robert Zenas Whipple, Jr.

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Donald Taylor Breffle	R. Craig Myers
Henry Omar Briceno	Mark Jonathan Pinel
E. Thomas Cavanaugh	Wayne Anthony Sadik
Linda Holmberg Davidson	William Emil Samland, II
Alexander Christian Hirtz	Douglas Grant Schellenberg
William Lane MacBride, Jr.	Danny Phillip Sprouse
Raymond Mark Maslyn	

GEOLOGICAL ENGINEER

Steven Charles Coddington

BACHELOR OF SCIENCE (PETROLEUM ENGINEER)

Anthony Ray Barb	Robert George Howard, Jr.
Douglas Alan Brown	Stephen Kent Lewis
Bruce Charles Davis	John Stephen McCatharn
David Theodore Erickson	William Randall Parsley
Michael James Flanigan	Kent Francis Perry
Robert Lyle Heil	Garry Gene Schoonover

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Kenneth W. Bissett	Robert Edward Hammond
Michael Joseph Ferraro	Gregory Karl Staff
Judith Kay Grange	

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

David Hearn Frisby	Christopher Marc Skinner
Delbert Lon Hankins	Gerald LeRoy Starner
John Frederick Paxton	Michael Dee Tudor

BACHELOR OF SCIENCE (MINERAL ENGINEERING - CHEMISTRY)

Daniel Joseph Frawley
Daniel Roy Hart

BACHELOR OF SCIENCE (MINERAL ENGINEERING - MATHEMATICS)

Michael Harold Flater	Edward John Meier, Jr.
Tracy Steven Galloway	Thomas Paul Porter
Randal Grant Grauberger	Stephen Bruce Westfall
Patrick Allen Ley	

BACHELOR OF SCIENCE (MINERAL ENGINEERING - PHYSICS)

John Hall Cohen	Jack Thomas Swedberg
Albert Edward Mantz, Jr.	

MASTER OF SCIENCE (METALLURGICAL ENGINEERING)

Oscar B. Gutierrez B.
Robert Leroy Hanlin
Richard A. Kaesler
Deepak Malhotra
Victor Manuel Perez U.

MASTER OF SCIENCE (GEOLOGY)

Kathleen Leslie Cox
Remigio Martinez Muller
James Anthony Paschis, Jr.
Jorge H. Posada Uribe
Miguel Ramirez Lopez

MASTER OF SCIENCE (GEOLOGICAL ENGINEERING)

Rodney John Eichler

MASTER OF ENGINEERING (PETROLEUM ENGINEER)

Marco T. Castro Moure
Thomas Strenger Proehl

MASTER OF SCIENCE (PETROLEUM ENGINEERING)

Jonathan K. Peggs

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING
ENGINEERING)

Chit Yung Bao
Abdulaziz S. Jarbou
Kwabena Okyere Sarpong

MASTER OF SCIENCE (GEOPHYSICS)

Lawrence John Barrows

MASTER OF SCIENCE (GEOPHYSICAL ENGINEERING)

Eduardo Garcia Sandoval

MASTER OF SCIENCE (CHEMISTRY)

Mohammed Abd El-Hamid Hassan
James Patrick Sparks

MASTER OF SCIENCE (MATHEMATICS)

Daniel Garber Brooks
Robert Lewis Johnson
Christopher Allen Neil

MASTER OF SCIENCE (PHYSICS)

Kenneth E. Cope

MASTER OF SCIENCE. (MINERAL ECONOMICS)

Patrick Henry Geehan	Arnaldo T. Leon Vega
Franklin Ernest Grange II	Fernando Montes-Monsalve
Lomena S. M. Ibeke	Robert Morris Steele
Jose Luis Joves H.	

DOCTOR OF PHILOSOPHY (METALLURGY)

Carlos Alberto Bottrel Coutinho

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING)

Mamdouh Mahmoud El Tawil
 Marco Vincenzo Ginatta
 Alejandro Rodriguez Gratacos

DOCTOR OF PHILOSOPHY (GEOLOGY)

William H. Bird

DOCTOR OF PHILOSOPHY (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Gary L. Baughman
 Salih Dincer
 Navin Dalsukhrai Shah
 Charles Russell Vestal

DOCTOR OF PHILOSOPHY (MATHEMATICS)

Timothy P. Luken

B.S. Degree in Mineral Engineering. The proposed program for a new degree in Basic Engineering, to be called a Bachelor of Science Degree in Mineral Engineering had been previously distributed. It was recognized that this degree will fill a definite need in industry and will attract students who are interested in helping to solve our present energy crisis.

Upon motion made, seconded, and unanimously passed, the new degree program was approved for transmittal to the Colorado Commission on Higher Education.

Alcoholic Beverages. The need for the adoption of a more realistic policy on alcoholic beverages was discussed.

Upon motion made, seconded, and unanimously passed, the following policy was approved, Mr. Coors abstaining.

All students at the Colorado School of Mines are expected to comply with federal, state, and local laws regarding the sale and/or use of liquor. Further, there will be no use or storage of alcoholic beverages on the campus without the expressed approval of the Administration acting for the Board of Trustees. Organizations collectively and students individually will be held responsible for any violation.

RECORD OF PROCEEDINGS

8

Affirmative Action Plan. The administration, with major faculty and staff help, has revised the current Affirmative Action Plan approved by the Board on August 6, 1971. This plan does not seem adequate at this time and the revised plan has been prepared which includes goals for hiring.

Several members of the Board undertook to have outside experts examine the plan with the hope of obtaining the best plan available. The item was laid over to the January meeting.

The meeting adjourned at 12:15 p.m.

Assistant Secretary

December 14, 1973