RECORD OF PROCEEDINGS

Golden, Colorado
January 8, 1971

The Board of Trustees met in regular session on January 8, 1971, at 9:00 a.m., in the Board Room of Guggenheim Hall.

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. Upon motion made, seconded, and unanimously passed, the actions taken at the December meeting were ratified and the minutes of that meeting were approved.

Honorary Degree. It was moved, seconded, and unanimously passed that Dr. Monroe E. Spaght be awarded an honorary degree of Doctor of Engineering at Commencement on May 28, 1971.

Tuition. President McBride reported to the members of the Board who had not been able to attend the budget hearing on December 18. He reported that, as instructed by the Board at the December meeting, he had stated our position; viz. based on our experience and best judgment at this time, we intend to increase our tuition in moderate increments and watch closely the results of such increases on enrollment.

The Board reconfirmed and endorsed the statement on future tuition and goals as recorded in the December minutes.

Upon motion made, seconded, and unanimously passed, the tuition was established at $400 per academic year for residents and $1,300 per academic year for non-residents, effective with the opening of the 1971-72 school year, with proportionate increases for summer field sessions and the academic summer school.

Candidates for Degrees. President McBride distributed copies of the lists of undergraduate and graduate students who were being recommended by the faculties for degrees.

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 acceptable institutional standards of conduct:

BACHELOR OF SCIENCE (MINING ENGINEERING)

Arkley, James Roy
Chapman, John Arthur
Deering, David Robert Emil
Johnson, Carl A.
Johnson, Willard Scott
Philip, David William
Winkelmann, Stephen Paul

ENGINEER OF MINES

Carroll, Jon Michael
Walton, Daniel Robert

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

Ball, Roger Frank
Danielski, Jeffrey James
Gullord, Gregory Lee
Huizingh, James Herman
Johnson, Philip Anders
Owen, Paul Bruce
Schlendorf, David Wright
Schneider, Randolph Paul

METALLURGICAL ENGINEER

Kilborn, Robert Addison

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Briscoe, Jr., Harry James
Clemens, Craig Bryant
Hicks, Russell
Knapp, Charles Richard
Lloyd, Russell Gale

GEOLOGICAL ENGINEER

Davis, Allyn Curtis
Holm, Victor Thomas

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

Arifi, Nagmeddin A.

PETROLEUM ENGINEER

Cavaleri, Nicholas Joseph
Mack, David John
Mathis, Roy Otto

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING

Beck, Paul Charles
Demaree, Gary Eugene
Jamal, Abdulla Abdulmoor
Jarbou, Abdulaziz Saleh
Pollard, James W.
Ridge, Robert Alan
Sung, Szu-Ming
Uehara, Koshin
Zullo, Ernest George

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

Anderson, William Everett
Brown, Paul Larry
Tadewald, Bruce Howard

BACHELOR OF SCIENCE (MINERAL-ENGINEERING CHEMISTRY)

Jansen, Walrave Theodoor
Norton, Richard Case
Wilson, Timothy W.

BACHELOR OF SCIENCE (MINERAL-ENGINEERING MATHEMATICS)

Bisdorf, Carol Ann
Cowan, David Vernon
Duncan, Robert Eugene
Johnson, Douglas James
Lawler, James Leslie
Todd, William Woodward
Yench, John David

MINERAL ENGINEERING - MATHEMATICS

Rael, Howard P.

BACHELOR OF SCIENCE (MINERAL-ENGINEERING PHYSICS)

Durbin, Larry Oren
Williams, Ronald Charles

MASTER OF ENGINEERING (METALLURGICAL ENGINEER)

Richard John Oxenford

MASTER OF SCIENCE (METALLURGY)

Marco Vincenzo Ginatta

MASTER OF SCIENCE (METALLURGICAL ENGINEERING)

Jose Yebrail Diaz
Turgut Ergun
Max Leroy Glenn
Zenon Llanos R.

MASTER OF SCIENCE (GEOLOGY)

William John Brown
Bruce Alan Collins
James Ronald Weber

MASTER OF SCIENCE (PETROLEUM ENGINEERING)

J. Raul Ortiz San Martin

MASTER OF ENGINEERING (CHEMICAL AND PETROLEUM-REFINING ENGINEER)

Mohammad Riaz

RECORD OF PROCEEDINGS

The Board met in executive session at 1:00 p.m., on January 8, 1971.

Code of Conduct. Mr. Bradley, whose firm has done considerable research on the subject, had submitted several suggested changes to the Code as adopted in July, 1969. It was noted, in reviewing the time and circumstances of the adoption, that it was deliberately general as opposed to a detailed code; that the Code was adopted with the Board fully aware of the fact it was without specification and might be found to be too general; and that there had been extensive consultation, or pseudo-consultations, with faculty and students. Further consideration was postponed until the February meeting.

Separations from the Faculty. President McBride asked for direction on the proper handling of separations from the faculty. The Board members expressed the opinion that separations should be handled on the same basis as appointments, that is President McBride should assume the responsibility for the actions and inform the Board of such actions taken. The hope was expressed that the separations as well as the additions to the faculty should be in line with restructuring in the direction we should be taking as an engineering institution.

Opening of Graduate and Professional Center. President McBride asked for the opinions of the members of the Board with regard to the proper, or appropriate, method of opening the new facility. The members of the Board were in agreement that the opening should be planned to do justice to the building and to the donors who had been so generous toward the funding of the building. It was suggested that there be some appropriate dedication ceremony in the late afternoon to be followed by dinner for honored guests, including officials of the State.

Board Representation on Centennial Committee. There was some reluctance to name one individual from the Board to represent the entire Board on the Centennial Committee. The general consensus was that there should be full participation by the Board in a general meeting with the committee chairman, Dr. Kuhn, and perhaps Dr. Pegis.

President's Teaching Schedule. President McBride reported to the Board that he would be teaching a course in Chemical Engineering during the second semester. The class is scheduled for 8:00-9:00, Monday, Wednesday, and Friday.

Time of Board Meeting. The starting time of the Board meeting was officially set for 9:00 a.m.

The session adjourned at 1:45 p.m.

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Secretary

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING

Richard L. Bain
Anil Pannalal Shah

MASTER OF SCIENCE (GEOPHYSICS)

Robert Bernard Furgerson

MASTER OF SCIENCE (MATHEMATICS)

Thomas J. Ross

MASTER OF SCIENCE (MINERAL ECONOMICS)

Lawrence Eugene Welborn

DOCTOR OF PHILOSOPHY (METALLURGY)

Richard Douglas Weltzin

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING)

Adolfo R. Zambrano V.

DOCTOR OF PHILOSOPHY (CHEMICAL AND PETROLEUM-REFINING ENGINEERING

Yusuf Ahmed Alfarkh
Peter George Garside
Hoagy Kim

DOCTOR OF PHILOSOPHY (CHEMISTRY-CHEMICAL AND PETROLEUM-REFINING ENGINEERING

Stephen Ray Daniel

DOCTOR OF PHILOSOPHY (GEOCHEMISTRY)

Paul Bertram Trost

Distinguished Achievement Medals. Mr. Volk reviewed for the Board the work that had been done by the committee on the selection of recipients of the Distinguished Achievement Medal. He said that he had taken the liberty of including Mr. Crabtree in the preliminary screening of the candidates nominated. Mr. Volk then submitted for a vote by the entire membership of the Board the list of alumni the committee was recommending.

Final selection was postponed until the February meeting.

Policy on Use of Overhead Reimbursement Funds. President McBride distributed to the Board members a copy of a proposed policy statement on overhead funds. It has

been the policy of the School to use minor amounts of overhead funds which accumulate to support new research projects. However, if the State wishes to have these funds shown in the regular budget, we would have no objection provided it is done on the basis that the funds actually received are actually reappropriated to us. But most important in the opinion of Dr. McBride is the fact that the recapture and reappropriation of overhead funds is not a practical nor efficient method of handling overhead funds.

The Board approved the policy statement as written by Dr. McBride.

Academic Leaves. President McBride presented two requests for academic leaves which had been recommended by the respective department heads and by Dr. Schlechten.

Dr. Philip F. Dickson, Department of Chemical and Petroleum-Refining Engineering, was applying for an academic leave for the 1971-72 school year in order to take especially selected courses in environmental and natural resources law with the thought of improving his teaching in the field of his own specialty.

Dr. A. Y. Sakakura, Department of Physics, was applying for an academic leave for the 1971-72 school year in order to attend the University of Kyoto to do advanced study in his special field of physics.

President McBride emphasized that these academic leaves were being recommended on the basis that both faculty members and the School would benefit. Dr. Schlechten's recommendation in which President McBride concurred was that the leaves be granted with one-half salary.

Upon motion made, seconded, and passed, the leaves for the two faculty members were approved on the condition that the 1971-72 budget would permit such leaves.

The Board requested Dr. McBride to review the conditions outlined in the faculty handbook with regard to the granting of academic leaves and to recommend to the Board any revisions deemed necessary.

Computer Insurance. Dr. McBride reported on the information received from the insurance company who has the coverage on our computer that effective October 5, 1970 there would be an additional charge for coverage. The additional charge from October 5, 1970 to June 30, 1971 is $6,305. In addition to the increase in premium, the insurance company asked that certain security measures be taken.

After some discussion, and the solicitation of the opinions of the two students covering the meeting for the student newspaper, it was agreed that even though we felt sure there would be no untoward happenings with regard to our computer operations, we would pay the surcharge.

Authorization for Purchases from Colorado Surplus Property Agency. Upon motion made, seconded, and unanimously passed, the following resolution was adopted:

RESOLVED, that James E. Shaughnessy, Purchasing Agent; Merrill M. Lemke, Director of Plant Facilities; John W. Pickthall, Buildings and Grounds Supervisor; and Earl S. Dickens, Instrument Shop Foreman, shall be and are hereby authorized as representatives of Colorado School of Mines, Golden, Colorado, to obligate its funds and obtain the transfer to it from the Colorado Surplus Property Agency, property upon and subject to the terms and conditions set forth in Issue Sheet, Form F-14 SPA, of the Colorado Surplus Property Agency.

RESOLVED FURTHER, that any additions or deletions to the above listed authorized representatives shall be forwarded to this office immediately and be binding to said institution under the authority of this resolution, a certified copy of which shall be provided to and kept on file by the Colorado Surplus Property Agency. This resolution shall remain in full force until written notice to the contrary is given to the Colorado Surplus Property Agency.

Monthly Reports. President McBride distributed the monthly reports as follows: Summary for Budget Appropriations and Disbursements, as of December 31, 1970; Budget Summary for Open End 1962 Bond Issue, December 31, 1970; Budget Summary for 1966 Bond Issue, as of December 31, 1970; Budget Summary for Mines Park Addition and CSM Houses No. 1, as of December 31, 1970; Budget Summary for State Rental Properties, December 31, 1970; Budget Summary for CSM Athletic Association, as of December 31, 1970; Budget Summary for Health and Accident, December 31, 1970; Budget Summary, Associated Students of CSM, as of December 31, 1970; Office of Research Services, Overhead Fund, as of December 31, 1970; Office of Research Services, Contract Fund, as of December 31, 1970; and the Balance Sheet, as of December 31, 1970.

The meeting adjourned at 12:15 p.m.

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Secretary

RECORD OF PROCEEDINGS

The Board met in executive session at 9:00 a.m. on February 12, 1971.

Faculty Personnel. President McBride reported to the Board on action which had been taken with regard to three faculty members.

Professor Winton Laubach, who had received special consideration last year on account of a visual problem, had not taken advantage of special facilities to aid his teaching performance. Based on the discussions with Dr. Lee, the department head, and Dr. Schlechten, it was the general conclusion that Professor Laubach's teaching is far below acceptable levels. President McBride has, through Dr. Lee, notified Professor Laubach that he must attempt to improve his teaching by the use of overhead projectors; and, if during the next academic year, his teaching still does not meet acceptable standards, he will be required to take medical retirement.

Professor Jimmy D. Hatley has been advised that he will not receive a new contract. Professor Hatley holds a Ph.D. in Education but is reported to have no math beyond high school trigonometry. He was employed by the former department head to teach engineering graphics but does not meet standards set up by Dr. Babcock, the present department head.

Professor Don L. Bohmont has been advised that he will not receive a new contract. In the opinion of the department head, Dr. Lee, Professor Bohmont does not now exhibit the qualifications required to be a successful teacher and has not made any effort to improve his professional competence.

ROTC. President McBride distributed copies of a proposed bill (H.B. 1146) which has been introduced in the House of Representatives by Representative Safran. The bill eliminates compulsory military education at all publicly-supported Colorado colleges and universities. Since Mines is now the only such school with this requirement, the Act is avowedly aimed at Mines.

Representative Safran hopes to enlist the overt support of a majority of Mines students. He has requested this of the President of the Associated Students, who took the matter before the Student Council. The Student Council called for a vote by the student body during the week of February 8, the results of which are not yet available.

President McBride reported that he had been invited and planned to appear at a public hearing on this bill before the House Education Committee (Representative Bain) on Wednesday afternoon, February 17 next. In

discussing his appearance, the Board instructed Dr. McBride to support its published policy; this he stated himself willing to do with no reservations. The Board viewed it most desirable that the bill not be reported out of committee.

It was further the general consensus that our ROTC program does have the support and endorsement of the Board; that it is hoped that the program can constantly be improved; that it does serve as a useful adjunct to an engineering career; that we have considered the entire issue of ROTC fairly and have published a policy decision; and that at this time we are committed to a period of observation of the results of the decision made. It was noted that all decisions are, as a matter of course, subject to review and change, if warranted.

The session adjourned at 10:00 a.m.

February 12, 1971

RECORD OF PROCEEDINGS

Golden, Colorado
February 12, 1971

The Board of Trustees met in regular session on February 12, 1971, at 10:00 a.m., in the Board Room of Guggenheim Hall.

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

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

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

Previous Minutes. The minutes of the meeting held on January 8, 1971 were approved.

Mr. Steinhauer entered the meeting at this time.

Budget. President McBride distributed to the Board a documentation he had prepared for possible mailing to State officials and certain legislative members. The presentation by Dr. McBride listed variances between the budgets prepared by State agencies for the 1971-72 fiscal year and called attention to deficiencies which will exist in certain areas should the budget recommendations of these State agencies be adopted in the long bill.

The Board agreed that it would be perfectly proper for the documentation to be sent to all persons concerned with State budgetary matters.

President McBride also distributed copies of a letter to Mr. E. T. Petrone, Executive Budget Director, itemizing the areas where the one percent cut will be made in the 1970-71 budget.

CF&I-Roebling Foundation Gift. President McBride reported to the Board that the School had received a gift from the CF&I-Roebling Foundation in the amount of $25,000 to be paid in $5,000 yearly installments, earmarked for the Building Fund. The money will be used for the Cecil H. and Ida Green Graduate and Professional Center.

American Council on Education Presidents' Symposium. President McBride told the Board he would like very much to attend the yearly meeting for college presidents sponsored by the American Council on Education. The one this year will be held in June in Florida. The Board agreed the President should attend this meeting, if invited.

Second Semester Enrollment. President McBride distributed copies of a tabulation of enrollment for the second semester which showed a head count of 1,556 as of February 11, 1971.

President McBride also distributed copies of a schedule showing attrition as compared to last year's attrition. It was expressly stated by the Board that a reduction in the attrition rate would be most desirable, either by closer screening of applicants or improved motivation after the student is enrolled.

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

> RESOLVED, That it shall be the duty of the Vice President for Business Affairs and he shall have authority to execute on behalf of this corporation any and all documents (including powers of attorney) required by Alcohol and Tobacco Tax, Internal Revenue Service.

Commencement. President McBride reported to the Board that the Commencement exercises would begin at 9:00 a.m. this year and that immediately following the exercises there would be a recption for the graduates and parents. The customary luncheon honoring platform guests will be held immediately following the reception.

Distinguished Achievement Medals. Upon motion made, seconded, and unanimously passed, the following alumni were selected for presentation of Distinguished Achievement Medals at Commencement on May 28, 1971:

Charles S. Beech, Met.E., 1926
Marvin G. Gantz, Met.E., 1940
Ralph Holmer, Geol.E., 1938; D.Sc.1954
W. J. McQuinn, P.E., 1946
Charles E. Stott, E.M.,1925
T. P. Turchan, Met.E.,1935

van Diest Gold Medal. The Board received the recommendations made by the Review Committee, chaired by Mr. Crabtree, and took the matter under advisement. Action was postponed.

Dr. Kuhn and Dr. Pegis entered the meeting at this time.

Dedication of Graduate and Professional Center. Dr. Kuhn distributed copies of a preliminary program for the dedication of the Cecil H. and Ida Green Graduate and Professional Center. The members of the Board approved the program in principle but did specifically wish to give the donors due honor and to be certain that the alumni were directly involved in the dedication.

In connection with the dedication of the new building, the matter of convening a meeting of the Alumni Advisory Council was discussed. It was also suggested that perhaps we might either expand the Council to include non-alumni or form another advisory group of non-alumni. It was emphasized that the gathering of such a group of advisors would be the ideal time to discuss and set forth the criteria which we must meet to reach Option 3 of the Borgmann report; i.e. development of Mines as the nation's leading university serving the mineral industries. It was pointed out that we need all the talent available to assist us in properly defining and attaining our objectives by our centennial year, 1974.

Centennial. Dr. Kuhn reviewed the present planning being done toward the celebration of our centennial in 1974.

Fund Raising. Dr. Pegis stated briefly a few of his plans to tie in the fund raising program with the centennial.

Monthly Reports. Mr. Steinhauer distributed the monthly reports as follows: Balance Sheet, as of January 31, 1971; Summary for Budget Appropriations and Disbursements, January 31, 1971; Budget Summary for Open End 1962 Bond Issue, as of January 31, 1971; Budget Summary for 1966 Bond Issue, January 31, 1971; Budget Summary for Mines Park Addition and CSM Houses No. 1, January 31, 1971; Budget Summary for State Rental Properties, January 31, 1971; Budget Summary for CSM Athletic Association, January 31, 1971; Budget Summary for Health and Accident; January 31, 1971; Budget Summary - Associated Students of CSM, January 31, 1971; Office Research Services, Overhead Fund, January 31, 1971; and Office Research Services, Contract Fund, as of January 31, 1971.

The meeting adjourned at 12:30 p.m.

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Secretary

RECORD OF PROCEEDINGS

The Board met in executive session at 9:00 a.m. on March 12, 1971

ROTC. It was agreed that no action would be taken at this meeting because of the absence of two Board members. It was agreed, however, that some statement should be forthcoming at the April meeting in fairness to students who must preregister soon after the time of the April meeting.

Dr. McBride brought to the attention of the Board that successive catalogs carried varying requirements for graduation. The question has arisen as to what choice the student has and what rules the School should impose with regard to fulfilling catalog requirements. Dr. McBride said he had already requested that a policy on this point be established.

Dormitory Rules. President McBride asked for some expression of opinion on the establishment of dormitory rules, especailly hours for opposite sex visitations upstairs. It was the consensus of the Board that hours must be established with regard to the best interests of academic pursuits and the establishment of the proper atmosphere for studying was of primary concern. Other than such expression of opinion, the matter was deemed an administrative matter.

Code of Conduct. The Code was tabled until the April meeting.

Co-signers on Student Loan Notes. The Board expressed the opinion that while the co-signer policy was a sound one, exceptions are an administrative matter which should properly be left to the discretion of the responsible fiscal officers.

The session adjourned at 9:30 a.m.

Secretary

March 12, 1971

RECORD OF PROCEEDINGS

Golden, Colorado
March 12, 1971

The Board of Trustees met in regular session on March 12, 1971, at 9:30 a.m., in the Board Room of Guggenheim Hall.

Present: Messrs. Eisenach, Stockmar, and Volk.

Absent: Messrs. Alexander and Bradley.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

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

Previous Minutes. The minutes of the meeting held on February 12, 1971 were approved.

Date of April Meeting. It was the consensus that the meeting for April would be held on the regular meeting day, the second Friday of the month, even though this year that day is Good Friday.

Candidates for Degrees. President McBride brought to the attention of the Board the fact that graduate students complete the work toward their degrees at irregular times and often need a statement verifying their degree completion. In the past, this statement has been furnished albeit the name has been presented neither for approval by the faculty nor acceptance by the Board. President McBride stated that hereafter candidates for degrees would be presented to the faculty and to the Board before written verification is furnished.

President McBride distributed a list of candidates for graduate degrees as recommended by the graduate faculty, each candidate having satisfied the requirements for his degree.

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

MASTER OF SCIENCE (GEOLOGY)

James R. Weber

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Girishchandra Patel

MASTER OF ENGINEERING (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Trakarn Chairat
Mahir Al Jalili

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING)

Theodore Balberyszski

van Diest Gold Medal. The Board of Trustees, having reviewed the material distributed at the February meeting on candidates for the van Diest Gold Medal, and having made independent inquiries, was ready to take action on the awarding of the Medal.

Upon motion made, seconded, and unanimously passed, Fred Hilterman, Geophysical Engineer, 1963, Ph.D. 1970, was nominated for the van Diest Gold Medal, subject to his wish to accept it.

Faculty Appointments. President McBride reviewed for the Board the appointment of a new staff member in Chemistry who would be paid from National Science Foundation funds under the geosciences program, but who would have major teaching duties. The new appointment is:

Patricia A. Haug $14,000
Associate Professor of Chemistry

President McBride informed the Board of the circumstances prompting the promotion of a faculty member, effective April 1, 1971. Professor Balberyszski had been promised the promotion upon the completion of the work on his doctorate degree. Professor Balberyszski has now completed the requirements for his degree and the promotion is being made, even though it is not customary to make promotions in mid-year.

Professor Balberyszski is being promoted from Instructor in Metallurgical Engineering at $9,000 per year to an Associate Professor of Metallurgical Engineering at a salary based on $12,282 per year.

Acceptances - Distinguished Achievement Medals. President McBride reported that all six alumni who were nominated for the Distinguished Achievement Medal had accepted with much pleasure and expressed their intention of being present at Commencement.

ROTC - H.B. 1146. President McBride reported on his invitation to appear before the House Education Committee in the hearing on H.B. 1146, which makes it unlawful to require military education courses in state-supported colleges and universities. President McBride reported that

several students had appeared in support of the bill and that while he regretted very much the necessity of apparently opposing them, in his opinion he was not really opposing what was actually best for the students, even though it may have appeared so at the time.

At the end of the hearing, the Chairman of the Committee indicated that she intended to "pocket" the bill, and this apparently means that the bill will not be reported out at this session of the General Assembly.

Mr. Stockmar stated that at an informal session preceding this meeting, the ROTC question had been discussed. He stated the Board was fully aware that in not taking action on the ROTC policy established a year ago, the Board was in effect affirming the previous policy. The Board does, however, wish the matter to be put on the agenda for the April meeting in the expectation that the policy will be reviewed and that definite action will be taken either to reaffirm or change the policy now in effect.

Budget Progress. President McBride reported to the Board that, according to the staff of the Joint Budget Committee, the JBC intends to propose a nonresident tuition for Mines of $1,612. This figure is based on 100 percent of the cost of a FTE at the University of Colorado. In the opinion of President McBride this figure is altogether unrealistic for Mines and could prove catastrophic. President McBride reiterated his opinion, in which the Board concurred, that we are at a point where we need more nonresident students than we now have.

The Board reaffirmed the position previously taken, that we must continue to follow the policy which we feel is right and best for the School, all the time being completely forthright with the State agencies who have the fiscal responsibility for State funds.

Designated Areas in Green Center. President McBride asked for official action on the designation of specific areas of the Green Center.

Mr. Eisenach verified the fact that the main lecture hall, or auditorium, would, according to previous commitments, be named in honor of Mr. Arthur H. Bunker. According to Mr. Eisenach, the exact wording should be the "Arthur H. Bunker Memorial Auditorium."

The reading room on the southwest corner of the second floor will be designated the "Ted Adams Memorial Reading Room."

The two smaller lecture halls are to be called the "Metals Hall" and the "Petroleum Hall."

The area designated on the blueprint as the "all-purpose room" will be named to honor William H. Friedhoff, the exact wording to be according to the wishes of his nephew. This designation would fulfill a commitment made by former President Childs to Mr. Friedhoff's nephew in a letter dated November 21, 1968.

Leave of Absence - Professor Walter W. Whitman. President McBride presented Professor Whitman's request for a leave of absence for personal reasons, without pay, for the 1971-72 academic year.

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

Policy on Academic Leaves. President McBride distributed copies of a memorandum prepared by Dr. Schlechten reviewing the past policy and practices with regard to academic leave. The Board reaffirmed approval of the program, with the understanding that each case be decided on its own merits.

Degree Program. President McBride distributed copies of a memo prepared by Dr. Kuhn under date of March 8, 1971 giving the history and reasoning behind each change made in the degree program since 1954. The Board members took the copies with them for study and consideration.

Mr. Steinhauer entered the meeting at this time.

Monthly Reports. Mr. Steinhauer reviewed the monthly reports as follows: Balance Sheet, February 28, 1971; Summary for Budget Appropriations & Disbursements, February 28, 1971; Budget Summary for Open End 1962 Bond Issue, February 28, 1971; Budget Summary for 1966 Bond Issue, February 28, 1971; Budget Summary for Mines Park Addition and CSM Houses No. 1, February 28, 1971; Budget Summary for State Rental Properties, February 28, 1971; Budget Summary for CSM Athletic Association, February 28, 1971; Budget Summary for Health and Accident, February 28, 1971; Budget Summary - Associated Students of CSM, as of February 28, 1971; Office of Research Services, Overhead Fund, as of February 28, 1971; and the Office of Research Services, Contract Fund, as of February 28, 1971.

The meeting adjourned at 11:30 a.m.

Secretary

RECORD OF PROCEEDINGS

The Board of Trustees met in executive session at 9:00 a.m. on April 9, 1971 in the President's Office.

There was discussion on the ROTC program before the session recessed and the public meeting began.

The executive session resumed at lunch in the President's home. Mr. Alexander had excused himself after the open meeting.

The Code of Conduct was discussed briefly and it was suggested that Mr. Bradley review the material prepared by his office and that the Code be made an executive agenda item for the May meeting.

The Board reviewed Dr. Schlechten's memo of April 5, 1971 on faculty teaching loads. President McBride said he concurred with the conclusions reached by Dr. Schlechten, viz., that the teaching loads at the Colorado School of Mines met or exceeded external standards. Copies of the memo were distributed to the Board members for their study.

There followed discussion on promotions, salaries, and the importance of building up a total faculty dedicated to our stated goals. An attempt was made to relate these items to the prospects of a budget less than originally anticipated.

It was finally agreed that (1) merit must be recognized; (2) we must not depend upon obtaining a supplemental appropriation in the event of a shortfall; (3) we must make some calculations on enrollment and arrive at a realistic budget; and (4) expenditures must be adjusted to that budget. The Trustees, acting at President McBride's request, undertook to set the budget total amount as soon as possible after legislative action is known or can be firmly anticipated. The Board instructed President McBride to consult on these points with Mr. Alexander and also Mr. Volk who had found it necessary to leave the meeting earlier.

Another meeting will be held to make final decisions on the matters discussed.

The session adjourned at 4:15 p.m.

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Secretary

April 9, 1971

RECORD OF PROCEEDINGS

Golden, Colorado
April 9, 1971

The Board of Trustees met in regular session on April 9, 1971, at 9:30 a.m., in the Board Room of Guggenheim Hall.

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

Mr. Stockmar, President of the Board, presided.

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

Previous Minutes. The minutes of the meeting held on March 12, 1971 were approved.

Reappointments to the Board. President McBride read to the Board the executive order from Governor Love reappointing Mr. Leo N. Bradley and Mr. Edwin J. Eisenach to new terms, expiring March 23, 1977.

Completion of Green Center. President McBride reported to the Board the expected completion date of August 1, 1971 for the Green Center. The dedication is still being tentatively planned for September 10.

van Diest Gold Medal. The alumnus, Dr. Fred Hilterman, nominated for the van Diest Gold Medal, has accepted with pleasure and will be at Commencement on May 28 to receive the Medal.

Degree Program. The study of the degree program made by Dr. Kuhn under date of March 8, 1971 was tabled until the May meeting.

Humanities Program. President McBride, reviewing the fact that the performance of our Humanities Department has been criticized over the past years, reported that he had asked Professor Vandiver to study the problem and make specific recommendations. Professor Vandiver has submitted a proposal, copies of which were distributed to the Board, in which the entire Humanities Department would be reorganized and the courses would be tailored to an engineering student.

Discussion on the proposal was postponed until the members of the Board had read the proposal.

Budget. There was a general discussion of the reports coming out of the legislature regarding our 1971-72 budget, and especially the establishment by the legislature

of our tuition at $423 for residents and $1,691 for non-residents. This large increase in the tuition for non-residents is expected to have an adverse effect on 1971 fall enrollment, and because our general fund appropriation is predicated on a certain amount from student income, this will of course affect our 1971-72 budget.

The seriousness of the situation was discussed at some length but no action was taken pending the final action of the legislature.

ROTC. Mr. Stockmar reviewed for those who were attending the meeting that it had been the will of the Board that this matter be considered at this April meeting to determine whether the policy established last year should be altered. He stated that Mr. Mike Martinez and Mr. Theodore Libby had asked to address the Board on this issue. Mr. Stockmar said that while the meetings could not become open forums, due to limitations of time and the press of School business, permission had been granted for these two students to address the Board because of the intense interest in this particular subject.

Mr. Martinez spoke of the merits of voluntary ROTC as opposed to the disadvantages of having the program compulsory. He voiced the opinions that having the program mandatory resulted in bad morale and in antagonisms between students and administration, in giving students who were in the program unwillingly an opportunity to disrupt the classes to the detriment of those who were interested in the program, and in a feeling of discrimination.

Mr. Libby addressed himself to the legal implications and stated that a group of students had qualified themselves as litigants and were prepared to bring suit against the Board. This group is being aided by the American Civil Liberties Union.

Mr. Stockmar thanked the students for their presentations and stated that the ROTC program had been a subject of much study by the Board over a period of many years. He spoke briefly of the policy as set a year ago which required ROTC of freshmen students, with certain exceptions, and specified an enrollment of 150 sophomores as necessary in order to maintain a viable advanced program. He stated that the number of 150 was picked arbitrarily as an enrollment sufficient to guarantee the advanced program. Admittedly, the 150 figure was high and the goal can be attained with a lesser number of sophomores completing the second year of ROTC.

President McBride, in answer to an inquiry from Mr. Stockmar, stated that he had consulted with Colonel Baldwin and Dean Smiley and it appears that the program as now operating is providing a proper foundation for the advanced course.

There was a discussion of whether the budget should be figured on the student income assumptions of the legislature or the student income based on our judgement of the factors involved.

Upon motion made, seconded, and passed subject to ratification at the May 14 meeting, the budget based on the expected enrollment, as calculated by the administration, in the amount of $5,130,104 was adopted as the official budget. Mr. Volk abstained in the voting.

President McBride was instructed to make the necessary adjustments to operate within this budget.

It was agreed that the budget would be reviewed after the enrollment was known in late August. But it was stressed that our objective must at all times be quality not quantity in our graduates, otherwise we cannot justify our relatively high cost per student.

Rental Increases. Upon the recommendation of Mr. Steinhauer, in which the President concurred, the Board concurred in rental increases in School housing as follows:

	Present Rental Schedule	Proposed Rental Schedule
Prospector Village		
1 Bedroom	$ 80.00	$ 90.00
2 Bedroom	90.00	100.00
3 Bedroom	100.00	110.00
Prospecter Park		
1 Bedroom	$ 50.00	$ 55.00
2 Bedroom	60.00	65.00
Mines Park		
Buffet Apartments	$ 80.00	$ 90.00
1 Bedroom Apartments	100.00	115.00
2 Bedroom Apartments	115.00	130.00
2 Bdrm Hse (37-38-39)	140.00	155.00
2 Bdrm Hse (25-26-27-28)	150.00	165.00
2 Bdrm Hse (30-31-34-35)	120.00	135.00
3 Bdrm Hse (29-32-33-36)	130.00	150.00

Increase in Student Athletic Fees. President McBride reported that Mr. Steinhauer had suggested an increase in the student athletic fee but in view of the increase in tuition which was being forced upon us, Dr. McBride was not recommending this increase in athletic fees. The Board concurred with President McBride's judgement.

Humanities Program. There was a discussion of the proposal submitted by Dr. Vandiver, newly-appointed Head of the Humanities Department, effective 1971-72. The Board viewed with approbation the establishment of the program, with the recognition that continual change must be effected in the program to keep it germane to the place of engineering and science in today's society.

The meeting adjourned at 9:45 p.m.

Secretary

	RESIDENT 1971-1972 Est.				NON RESIDENT 1971-1972 Est.				TOTAL 1971-1972			
	1970-71	Present	Budget	Δ	1970-71	Present	Budget	Δ	1970-71	Present	Budget	Δ
Undergraduate	812	810	860	(50)	513	455	560	(105)	1325	1265	1420	(155)
Graduate	196	199	172	27	199	208	187	21	395	407	359	48
TOTAL	1008	1009	1032	(23)	712	663	747	(84)	1720	1672	1779	(107)

FTE

Undergraduate	1583	1475	1657	(182)
Graduate	156	173	153	20
TOTAL	1739	1648	1810	(162)

April 21, 1971

RECORD OF PROCEEDINGS

The Board of Trustees met in executive session at 9:00 a.m. on April 9, 1971 in the President's Office.

There was discussion on the ROTC program before the session recessed and the public meeting began.

The executive session resumed at lunch in the President's home. Mr. Alexander had excused himself after the open meeting.

The Code of Conduct was discussed briefly and it was suggested that Mr. Bradley review the material prepared by his office and that the Code be made an executive agenda item for the May meeting.

The Board reviewed Dr. Schlechten's memo of April 5, 1971 on faculty teaching loads. President McBride said he concurred with the conclusions reached by Dr. Schlechten, viz., that the teaching loads at the Colorado School of Mines met or exceeded external standards. Copies of the memo were distributed to the Board members for their study.

There followed discussion on promotions, salaries, and the importance of building up a total faculty dedicated to our stated goals. An attempt was made to relate these items to the prospects of a budget less than originally anticipated.

It was finally agreed that (1) merit must be recognized; (2) we must not depend upon obtaining a supplemental appropriation in the event of a shortfall; (3) we must make some calculations on enrollment and arrive at a realistic budget; and (4) expenditures must be adjusted to that budget. The Trustees, acting at President McBride's request, undertook to set the budget total amount as soon as possible after legislative action is known or can be firmly anticipated. The Board instructed President McBride to consult on these points with Mr. Alexander and also Mr. Volk who had found it necessary to leave the meeting earlier.

Another meeting will be held to make final decisions on the matters discussed.

The session adjourned at 4:15 p.m.

_____
Secretary

April 9, 1971

RECORD OF PROCEEDINGS

Golden, Colorado
May 14, 1971

The Board of Trustees met in regular session on May 14, 1971, at 10:00 a.m., in the Board Room of Guggenheim Hall.

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

President McBride attended the meeting.

Mr. Stockmar, President of the Board, presided.

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

Previous Minutes. The minutes of the meeting held on April 9, 1971 were approved.

The Board then turned to the question of tuition, budget, and rental increases as discussed at the executive session on April 21. The minutes of that meeting, copied below, are made part of this set of minutes with the approval as indicated.

"Tuition. In view of action taken by the legislature, placing our tuition at $423 for residents and $1,691 for nonresidents and then allocating our general fund appropriation based on the student income expected to be realized from this increased tuition, the Board concurred there was no recourse except to increase tuition in accordance with the legislative action.

"It was moved, seconded, and unanimously passed, subject to ratification at the May 14 meeting, that effective with the 1971-72 school year, the tuition for residents will be $423 per academic year, the tuition for nonresidents will be $1,691 per academic year, and the tuition for summer courses and field courses will be increased in a proportionate amount.

"Budget. President McBride distributed to the Board the subtended tabulation showing our requested budget figure, the budget figure provided us by the long bill passed by the legislature, and the budget figure corresponding to our expected enrollment. The difference in the latter two budgets was in student income, the legislature projecting a higher enrollment than we feel we can realistically expect.

1971-72 Budget Comparisons:

	Trustee Budget	Long Bill	Expected Enrollment	Basic Operating
Income	$1,493,490	$1,809,809	$1,713,388	--
General Fund	4,076,165	2,855,230	2,855,230	--
Subtotal	$5,569,655	$4,665,039	$4,568,618	--
Student Aid	--	211,214	211,214	--
Computer Services	--	278,702	278,702	--
Salary Adj. Act	--	71,570	71,570	--
TOTAL	$5,569,655	$5,226,525	$5,130,104	$5,239,967

A. Deficit, basic operating budget minus long bill $ 13,442
B. Deficit, basic operating budget minus expected enrollment income $ 109,863
C. Head count - see attachment
D. Payroll $3,856,650

"There was a discussion of whether the budget should be figured on the student income assumptions of the legislature or the student income based on our judgment of the factors involved.

"Upon motion made, seconded, and passed subject to ratification at the May 14 meeting, the budget based on the expected enrollment, as calculated by the administration, in the amount of $5,130,104 was adopted as the official budget. Mr. Volk abstained in the voting.

"President McBride was instructed to make the necessary adjustments to operate within this budget.

"It was agreed that the budget would be reviewed after the enrollment was known in late August. But it was stressed that our objective must at all times be quality not quantity in our graduates, otherwise we cannot justify our relatively high cost per student.

"Rental Increases. Upon the recommendation of Mr. Steinhauer, in which the President concurred, the Board concurred in rental increases in School housing, effective September 1, 1971, as follows:

	Present Rental Schedule	Proposed Rental Schedule
Prospector Village		
1 Bedroom	$ 80.00	$ 90.00
2 Bedroom	90.00	100.00
3 Bedroom	100.00	110.00

that concern with a long-term view; even though this means that the School cannot be run as a democracy, allowing incumbent students to determine the functions and goals of the School. He assured the students that the Board has deep concern for the welfare of the students but must act in good conscience from greater experience.

Surveying Curriculum. President McBride read a resolution forwarded to the Board from the Professional Land Surveyors of Colorado in which it was requested that Mines provide a curriculum which will enable students to obtain professional competence in land surveying.

The Board instructed President McBride to refer the matter to the Curriculum Committee and advise the Professional Land Surveyors of the results of the study.

Faculty Insurance. President McBride reported to the Board that the Personnel Committee of the faculty was recommending a long-term disability insurance for the faculty on a voluntary basis, one-half of the cost to be paid by the School.

It was the consensus that in view of the availability of this type of insurance elsewhere and also in view of the possible shortfall in our budget for the next fiscal year, no encouragement should be given the committee although the Board would be willing to receive its recommendations.

June Meeting Date. It was agreed that the date of the June meeting be June 4 to enable President McBride to attend the Presidents Institute sponsored by the American Council on Education.

Monthly Reports. The monthly reports were to be mailed to the members of the Board.

The meeting adjourned at 12 noon.

_____
Secretary

	Present Rental Schedule	Proposed Rental Schedule
Prospector Park		
1 Bedroom	$ 50.00	$ 55.00
2 Bedroom	60.00	65.00
Mines Park		
Buffet Apartments	80.00	90.00
1 Bedroom Apartments	100.00	115.00
2 Bedroom Apartments	115.00	130.00
2 Bdrm Hse (37-38-39)	140.00	155.00
2 Bdrm Hse (25-26-27-28)	150.00	165.00
2 Bdrm Hse (30-31-34-35)	120.00	135.00
3 Bdrm Hse (29-32-33-36)	130.00	150.00 "

Upon motion made by Mr. Volk, seconded by Mr. Eisenach, and unanimously passed, the actions taken at the April 21 executive session, as recorded here, were approved.

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

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

May 28, 1971

BACHELOR OF SCIENCE (MINING ENGINEERING)

Adolph Lee Amundson, Jr.
James Roy Arkley
R. Timothy Bartshe
Michael Andrew Benza
Paul David Blumenstein,Jr.
John William Boerstler
John Arthur Chapman
David Robert Emil Deering
David Harold Hagemann
Dan Robert Harrison
Bruce Richmond Hull
Joseph Robert White
Carl A. Johnson
Willard Scott Johnson
Truman D. King, Jr.
Harry Rollin McFarland
Wesley Paul Nason
Michael F. Orlin
James Brent Page
David William Philip
Thomas Strenger Proehl
Steven David Steffens
Kenneth T. Wanstrath
John Clifford Willson
Stephen Paul Winkelmann

ENGINEER OF MINES

Jon Michael Carroll
David Lloyd Field
Daniel Robert Walton

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

David Martin Anderson
David Erminio Archuleta
Roger Frank Ball
William Richard Boehme
Lyle Vincent Bonham
William Robert Capps
John Frank Dace
Jeffrey James Danielski
Gregory Lee Gullord
Robert Leroy Hanlin
James Herman Huizingh
Philip Anders Johnson
Leonard Dale Jones
Donald Leroy Kammerzell
Charlie Walter Kenney
Carroll Joseph Long, Jr.
Ken Yarber Onstott
Paul Bruce Owen
Paul Lugene Person
David Wright Schlendorf
Randolph Paul Schneider
Glenn Howard Schrieber
John Anthony Shepic
Robert Harold Watson

METALLURGICAL ENGINEER

Robert Bragg Grammer
Greg Stanley Jacobson
Robert Addison Kilborn

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Harry James Briscoe, Jr.
Craig Bryant Clemmens
Rodney John Eichler
William Philip Gordon
Steven Joe Heller
Robin E. Hendrickson
Jeffrey Bruce Hermann
Russell Hicks
Charles Richard Knapp
Russell Gale Lloyd
Joseph Phillip Rousseau
John Locke Stanton

GEOLOGICAL ENGINEER

Claude Emery Berghorn
Allyn Curtis Davis
Victor Thomas Holm

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

Thomas A. Applegate
Nagmeddin A. Arifi
Stefan Paul Choquette
Tom Charles Dunning
Dennis Eugene Fagerstone
Mark E. Hays
John Barry Long
Carlos Esteban Mateus
Steven Stuart McFarland
Michael E. McNamara
Michael Clare Neuhauser
Gary L. Nordloh
Gary Wayne Priddy
Robert Franklin Reiner
Clifford Wayne Stratton, Jr.
Lon Allan Stuebinger
Edwin Dale Thompson
Dennis Dwight Ulrich

PETROLEUM ENGINEER

Raymond Edward Cassidy
Nicholas Joseph Cavaleri
David John Mack
Roy Otto Mathis

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Randall Brett Battle
Leroy Ronald Bauer
Paul Charles Beck
Patrick Michael Claiborne
Gary Eugene Demaree
Mark Andrew Dubois
Rodney Richard Green
Jerry Keith Hutton
Abdulla Abdulnoor Jamal
Abdulaziz Saleh Jarbou
Lloyd William Johnson
William Laurence Karlin
Emmitt Joseph Kraft
Terry Hayes Krupp
Gregory Alan Marshall
Robert Alan Mathwick
Scott George Minnich
Craig Moseley
Stephen Kent Pavel
John Robert Pfuetze
James W. Pollard
James Vance Richardson
Robert Alan Ridge
David Earl Rush
Thomas Allen Schneider
Robert Christopher Schrepfer
Szu-Ming Sung
Jerry Edward Thompson
Paul Theodore Treece
Koshin Uehara
Stephen Paul Westhoff
Ernest George Zullo

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

William Everett Anderson
Ralph Wayne Baird
John S. Belcher
Paul Larry Brown
James Howard Cowing
Robert Alan Crewdson
Robert Cecil Dyer
Dennis Carl Francis
Michael Dean Harper
Allan Lester Moore
Kenneth Rudy Peters
Duane Carter Simpson
William Henry Smith
Scott Lewis Stockton
Bruce Howard Tadewald
Gary Lee Watkins

GEOPHYSICAL ENGINEER

James Michael Bell

BACHELOR OF SCIENCE (MINERAL-ENGINEERING CHEMISTRY)

Robert Allan Berger
Robert Eugene Brady, Jr.
Douglas Lee Cain
Patrick Lynn Francks
Walrave Theodoor Jansen
W. Harry Mandeville
Richard Case Norton
Anita Louise Peil
Roger William Pietz
Philip Edward Quinnett
Mark Richard Sinclair
John Kemper Wilson
Lyle Russell Wilson
Timothy W. Wilson

BACHELOR OF SCIENCE (MINERAL-ENGINEERING MATHEMATICS)

William Robert App
Carol Ann Bisdorf
Gary George Cochell
Robert Earl Colvert
David Vernon Cowan
William Clark Duesbury
Robert Eugene Duncan
David Anthony Gulley
Charles Brent Hirschman
Douglas James Johnson
Dennis Orrin Jones
Robert E. Kuen
James Leslie Lawler
Robert E. Losey
Edward Paul Milker
Powell Oscar Mims
Anthony Louis Morroni
John August Otto
Eugene Frank Sherrer, Jr.
Robert Anton Somrak
Jimmy Bruce Taylor
William Woodward Todd
William Elmer Westbrook
Robert William Wiley
Frederick Mark Williams

MINERAL ENGINEER-MATHEMATICS

Howard P. Rael

BACHELOR OF SCIENCE (MINERAL-ENGINEERING PHYSICS)

James Robert Black
Larry Oren Durbin
Dale William Fitting
Donald Franklin Geesaman
Harry David Hillis
Anthony Louis Morroni
Byron Allen Palmer
James Eddy Pope, Jr.
E. Thomas Rupert
John Edward Seibert
Paul T. Snowden, Jr.
Brent Monroe Troutman
William Elmer Westbrook
Ronald Charles Williams

MINERAL ENGINEER-PHYSICS

John Russell Terry

July 17, 1971

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

John Irving Brockardt
Michael J. Krein

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Charles William Bauer
Donald Gilbert Myers

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

Gary Manley Finney

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

George Salameh DaBai
Dennis Regan Ellis
Carl Leroy Jacobson
Za Walter Johnson
Nayan J. Lavingia
Charles E. Porter

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

Willis Craig Blasingame
Richard Clarke Edwards
Jerry Dale Fountain
Michael Roy Gilbert
Marvin Leslie Johnson
Scott Eugene Johnson

BACHELOR OF SCIENCE (MINERAL-ENGINEERING CHEMISTRY)

Kuniyasa Tatsumoto

BACHELOR OF SCIENCE (MINERAL-ENGINEERING MATHEMATICS)

Phillip Steven Ahlberg
Catherine Belle Foard
Jerald Edward Jones

August 7, 1971

BACHELOR OF SCIENCE (MINING ENGINEERING)

William Kent Midan

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

Clare Franklin Kline, Jr.
Gilbert H. Kuhnhausen
Robert Justus Polak
Gerald L. Symanski
James A. Williams

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

Juan Orestes DeLuca

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Jack Edward Ebel
Daniel John Townsend

BACHELOR OF SCIENCE (MINERAL-ENGINEERING MATHEMATICS)

John David Yench

May 28, 1971

MASTER OF ENGINEERING (ENGINEER OF MINES)

Andrés L. Centonzio Segovia

MASTER OF SCIENCE (MINING ENGINEERING)

Stephen A. Onorofskie

MASTER OF ENGINEERING (METALLURGICAL ENGINEER)

J. Anand Chandra Prabhakar

MASTER OF SCIENCE (METALLURGY)

Marco Vincenzo Ginatta

MASTER OF SCIENCE (METALLURGICAL ENGINEERING)

Thomas G. Glenn
Robert Rex Roberts
Roberto C. Villas Bôas

MASTER OF ENGINEERING (GEOLOGICAL ENGINEER)

Ralph Theodore Hurr
Eduardo del R. Rozas E.

MASTER OF SCIENCE (GEOLOGY)

Mahmood Uddin Ahmad Siddigi
Stephen Richard Blanco
Dennis Loren Bruns
Christopher R. Candee
Luis A. de la Cruz M.
George Myers Fairer
Steven Joseph Maione
Karl Russell Nelson
Roger Austin Newell
Harry Andrew Perry
Gary L. Raines
Jaime Alonso Rizo
Mario J. Serna-Isaza
Bruce Edward Taylor
James Ronald Weber

MASTER OF ENGINEERING (PETROLEUM ENGINEER)

Roberto Aguilera Guevara

MASTER OF SCIENCE (PETROLEUM ENGINEERING)

Jack A. Krug
Richard Allen Weaver

MASTER OF ENGINEERING (CHEMICAL AND PETROLEUM-REFINING ENGINEER)

Trakarn Chairat
Mahir Jalili
Eben Mabibi Makonese

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING

Robert Leroy Dunn
David Duane Duston
Karan S. Gaur
Anthony Peter Johnson
Girishchandra M. Patel

MASTER OF SCIENCE (GEOPHYSICS)

Ricardo Diaz Navarro
Jaime Martinez Ramos
Olusegun Akinyemi Oduolowu

MASTER OF SCIENCE (GEOPHYSICAL ENGINEERING)

Christiaan Mauritz Crous
Erkin Gokturk
Andre Lebel
Jung Hee Suh

MASTER OF SCIENCE (CHEMISTRY)

Byron C. Diehl

MASTER OF SCIENCE (MATHEMATICS)

Fred F. Ciochetto, Jr.

MASTER OF SCIENCE (PHYSICS)

Dennis Gerald Vasilik

MASTER OF SCIENCE (GEOCHEMISTRY)

Flavio Juarez Tavora

DOCTOR OF PHILOSOPHY (MINING ENGINEERING)

Wilson Blake

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING)

Theodore Balberyszski
Stanley M. Howard

DOCTOR OF PHILOSOPHY (GEOLOGY)

Cooper Bennett Land, Jr.
Arthur John Pansze, Jr.

DOCTOR OF PHILOSOPHY (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Yashpal Singh Bhatia
Charles William Hahn
Thomas Anthony Sladek

DOCTOR OF PHILOSOPHY (GEOPHYSICS)

James Irving Pritchard

Degree Program. Mr. Stockmar recalled that the Board had asked President McBride to prepare a history of the degree structure for the past fifteen years. The members of the Board expressed opinions that such a resume was very helpful to them, and hopefully to President McBride, and asked that Dr. Kuhn be made aware of their appreciation for the work which was entailed in the preparation.

Humanities Program. President McBride reported that the recommendations made by Professor Vandiver, copies of which were distributed at the April 9 meeting, were being implemented for the freshman class entering this next fall. President McBride said that some time in the near future he would invite Professor Vandiver to have lunch with the Board to discuss the program.

Promotions. President McBride reported to the Board the following promotions:

To Head of the Department of Basic Engineering -
Dr. Henry A. Babcock

To Professor and Head of the Department of Humanities and Social Sciences -
Dr. Samuel E. Vandiver

To Professor and Head of the Department of Metallurgical Engineering -
Dr. John P. Hager

To Professor -
Professor George T. Bator
Mining Engineering
Professor George W. Johnson
Humanities and Social Sciences
Professor James G. Johnstone
Basic Engineering
Dr. R. E. D. Woolsey
Mathematics

To Associate Professor -
Dr. Walter L. Bradley
Metallurgical Engineering
Dr. Richard H. DeVoto
Geology
Dr. William A. Hustrulid
Mining Engineering
Dr. George H. Kennedy
Chemistry
Dr. Arthur J. Kidnay
Chemical and Petroleum-Refining Engineering

Dedication of Green Center. President McBride gave the firm date of the dedication of the Green Center as October 1. He said the Denver Symphony has been engaged for a formal concert that evening in the new building.

Leave Without Pay - Samuel Shaw. President McBride reported to the Board that Mr. Shaw, Instructor in Mining Engineering, has requested a leave without pay in order to finish work on his doctorate.

Upon motion made, seconded, and unanimously passed, the leave without pay for Mr. Shaw was approved, effective at the end of this academic year.

Housemothers in Fraternity Houses. The Board asked President McBride to confer with the necessary persons and make a recommendation at the June meeting on whether or not housemothers should continue to be required in fraternity houses.

Salaries. Upon motion made, seconded, and unanimously passed, the Board approved the following salaries for persons whose contracts were renewed:

Jose F. T. Agapito Instructor in Mining	$ 9,000
William R. Astle Assistant Professor of Mathematics and Coordinator of Continuing Education Courses	13,500
Henry A. Babcock Professor of Basic Engineering and Head of Department	17,500
Charles Baer Instructor in Mathematics	10,600
Theodore Balberyszski Associate Professor of Metallurgical Engineering	13,200
Alfred H. Balch Associate Professor of Geophysics	15,500

Brian Ball Assistant Professor of Metallurgical Engineering	$12,000
Geraldine D. Bariani Librarian	10,900
Daniel M. Bass, Jr. Professor of Petroleum Engineering and Acting Head of Department	19,500
George T. Bator Professor of Mining Engineering	15,000
Victor W. Bauman Associate Professor of Mathematics	13,600
Kenneth E. Bellamy, Jr. Director of Student Housing and Director of the College Union	12,200
Jerry R. Bergeson Assistant Professor of Petroleum Engineering	13,200
Ramon E. Bisque Professor of Chemistry and Head of Department	19,500
Harold Bloom Associate Professor of Geology	13,800
Ardel John Boes Associate Professor of Mathematics	14,800
Ralph B. Bowersox Professor of Physics and Head of Department	19,500
Walter L. Bradley Associate Professor of Metallurgical Engineering	14,500
Fritz S. Brennecke Professor and Head of Department, Physical Education and Athletics	17,300
Austin R. Brown, Jr. Director of the Computing Center and Professor of Mathematics	18,000
James T. Brown Associate Professor of Physics	13,500
William Rex Bull Associate Professor of Metallurgical Engineering	16,500

H. Dean Burdick Director of Admissions	$16,100
Jerrold J. Burnett Associate Professor of Physics	15,000
David L. Butler Research Associate, Department of Geophysics	14,300
Robert H. Carpenter Professor of Geology	16,400
William J. Chapitis Assistant Professor of English and Modern Foreign Languages	12,700
W. John Cieslewicz Assistant Professor of Russian and German	11,000
Bernetta Conrey Departmental Assistant	9,200
W. D. Copeland Associate Professor of Metallurgical Engineering and Associate Dean, Graduate School	19,600
Catherine S. Cross Librarian	9,700
Stephen Ray Daniel Assistant Professor of Chemistry	10,200
James Darden Associate Professor of Physical Education and Athletics	14,800
T. R. A. Davey Professor of Metallurgical Engineering	17,000
Joseph E. Davies Associate Professor of Physical Education and Athletics	14,800
Richard H. DeVoto Associate Professor of Geology	13,500
Dean W. Dickerhoof Associate Professor of Chemistry	14,400
Donald I. Dickinson Associate Professor of English	13,200

Philip E. Dickson Professor of Chemical and Petroleum-Refining Engineering	$17,000
James Dover Assistant Professor of Geology	12,100
Kenneth W. Edwards Assistant Professor of Chemistry	12,900
Rudy C. Epis Professor of Geology	17,000
Elsie Christine Ericson Librarian	9,500
Robert R. Faddick Assistant Professor of Basic Engineering	14,000
L. David Femmer Budget Officer and Personnel Officer	16,500
Joseph J. Finney Associate Professor of Geology	15,500
Edward G. Fisher Professor of English and Coordinator of the Green Center	17,000
S. Dale Foreman Associate Professor of Basic Engineering	13,800
Charles O. Frush Associate Professor of Mining Engineering	13,800
James H. Gary Professor of Chemical and Petroleum-Refining Engineering and Head of Department	21,500
Richard D. Gauthier Assistant Professor of Basic Engineering	14,300
Richard George Geyer Research Associate in the Department of Geophysics	9,500
John O. Golden Associate Professor of Chemical and Petroleum-Refining Engineering	15,000

Nancy J. Knepper Museum Curator	$ 8,200
Charles A. Kohlhaas Instructor in Petroleum Engineering	10,600
John O. Kork Assistant Professor of Mathematics	12,500
Truman H. Kuhn Vice President for Administrative Affairs and Professor of Geology	23,000
Thomas R. LaFehr Associate Professor of Geophysics	17,000
William B. Law Associate Professor of Physics	13,800
William E. Leckie Assistant to the Vice President for Administrative Affairs	13,500
Joseph R. Lee Professor of Mathematics and Head of Department	19,500
Keenan Lee Assistant Professor of Geology	12,800
Paul H. LeFevre Assistant Professor of Chemistry	11,000
Merrill M. Lemke Director of Plant Facilities	16,500
L. W. LeRoy Professor of Geology	17,400
J. D. Lubahn Professor of Metallurgical Engineering and Director of Materials Research Laboratory	18,000
George B. Lucas Professor of Chemistry	17,200
Maurice Major Professor of Geophysics	18,000
Donald C. B. Marsh Professor of Mathematics	15,000

Scott J. Marshall Assistant Professor of Basic Engineering	$13,200
Gerard P. Martins Assistant Professor of Metallurgical Engineering	12,200
Warren J. Mason Registrar	13,000
J. P. Mather Professor of Mineral Economics and Head of Department	19,000
Frank S. Mathews Professor of Physics	16,400
William A. Mattingly Instructor in English	8,600
Robert W. McAllister Associate Professor of Physics	15,500
Robert S. McCandless Assistant Professor of Physical Education and Athletics	11,100
George T. Merideth Professor of Geophysics	18,000
C. Samuel Miller Associate Professor of Physics	13,800
B. J. Mitchell Associate Professor of Petroleum Engineering	14,100
Fred E. Moore Professor of Geology	16,600
Charles S. Morris Director of Public Relations	14,000
Joseph A. Moyzis, Jr. Assistant Professor of Physics	12,500
Raymond K. Mueller Assistant Professor of Mathematics	13,000
Carl G. Nordquist Assistant Professor of Mineral Economics	13,200

Robert W. Pearson Assistant Professor of Physical Education and Business Manager of Athletics	$11,100
John A. Pederson Assistant Professor of Mineral Economics	12,200
Anton G. Pegis Vice President for Development and Student Affairs and Professor of English	23,000
Alfred Petrick, Jr. Coulter Professor in Mineral Economics	21,000
George R. Pickett Professor of Geophysics	17,400
Bill D. Pierce Assistant Professor of Basic Engineering	13,800
Justin Pierce Assistant Professor of History and Philosophy	11,100
Ronald D. Preston Associate Professor of Basic Engineering	13,800
Jon W. Raese Director, Publications	10,800
Hormuzd Y. Rassam Associate Professor of Basic Engineering	13,800
John J. Reed Professor of Mining Engineering	18,200
Robert D. Reed Assistant Professor of Physics	13,200
Robert G. Reeves Professor of Geology	18,400
Donald G. Roberts, M. D. School Physician and Head of Medical Department	11,000
Paul A. Rodgers Professor of Geophysics	17,000

Phillip R. Romig Research Associate in the Department of Geophysics	$14,300
Oded Rudawsky Associate Professor of Mineral Economics	14,800
Arthur Y. Sakakura Associate Professor of Physics	14,700
A. W. Schlechten Alcoa Foundation Professor of Metallurgy and Director of the Institute of Extractive Metallurgy	24,000
Elwyn Shimoda Assistant Professor of Chemical and Petroleum Refining Engineering	12,700
Ruth B. Simon Research Associate, Department of Geophysics	13,250
George T. Sisson Laboratory Assistant in Chemistry	10,500
Maynard Slaughter Professor of Chemistry	19,000
Margaret Smart Librarian	11,700
Francis E. Smiley, Jr. Dean of Students and Associate Professor of Basic Engineering	19,000
David T. Snow Associate Professor of Geology	15,400
Richard E. Stapp, Jr. Assistant Professor of Physical Education and Athletics	11,700
Charles W. Starks Assistant Professor of Chemistry	12,800
Gurnett Steinhauer Vice President for Business Affairs	23,000
Franklin J. Stermole Professor of Chemical and Petroleum-Refining Engineering	16,400

Huntington S. Swanson Assistant Professor of Mathematics	12,500
Robert J. Taylor Assistant Professor of Basic Engineering	11,100
John C. Thomas Research Assistant, Department of Chemical and Petroleum-Refining Engineering	9,500
David W. Trexler Associate Professor of Geology	13,800
Frank R. Utter Finance Officer	15,500
Samuel E. Vandiver Professor of Humanities and Social Sciences and Head of Department	17,000
H. K. van Poolen Adjunct Professor of Petroleum Engineering	5,000
Robert J. Weimer Professor of Geology	19,000
Virginia Lee Wilcox Head Librarian	16,300
Thomas Wildeman Assistant Professor of Chemistry	13,000
John T. Williams Professor of Chemistry	17,000
Milton A. Wiltse Assistant Professor of Geology	12,300
Robert D. Witters Associate Professor of Chemistry	13,800
Robert Eugene Donald Woolsey Professor of Mathematics, Principal Scientist, and Associate Director of the Computing Center	17,000
John L. Wray Adjunct Professor of Geology	3,300
F. Richard Yeatts Associate Professor of Physics	13,800

Mr. Steinhauer entered the meeting at this time.

Wild Horse Park. Mr. Stockmar summarized for the record discussion held at the executive session with regard to the payment for School land at Wild Horse Park, an area northwest of Pueblo formerly used by the School for geology field camp but taken by the federal government several years ago.

Mr. Stockmar reported that no action had been taken, but the attorney representing the School had been given a range of figures within which he could settle case. Public disclosure of such figures would, of course, work to the detriment of the School.

Budgets, 1971-72. Mr. Steinhauer presented the following budgets:

Operating budget for CSM in the amount of $5,130,104.

1962 Bond issue in the amount of $490,639.

1966 Bond Issue in the amount of $54,676.

CSM Houses #2 in the amount of $19,640.

Athletic Association in the amount of $63,245.

Health and Accident Plan in the amount of $49,317.

Associated Students in the amount of $43,582.

Upon motion made, seconded, and unanimously passed, the budgets as presented were approved.

Letter from Professor Lawerence Holland. Mr. Stockmar passed around for the Board's reading a letter delivered to him that day from Professor Holland whose contract had not been renewed for the 1971-72 school year. Professor Holland was protesting the non-renewal of several contracts and asked for a reversal of the action.

In connection with budget decisions leading to non-renewal of some faculty and abolition of some civil service positions, President McBride distributed for reading and discussion both a budget letter (to be sent to State government offices) and a statement prepared by him for the faculty meeting to be held on May 19. The Board agreed that these documents were substantially correct and informally approved their use as intended.

Mr. Stockmar reaffirmed the action taken by the Board when on April 21 the Board met and considered what was expected to happen with respect to budget problems. He stated that the budget had been established based on our best possible

estimate of student income (enrollment). The details of adjusting expenditures to fit within that budget had been left to President McBride, in line with previoulsy delegated authority. Details as to whom and how many should be on faculty, what capital outlay should be, etc. were left to the judgment of President McBride. The Board approves President McBride's handling of the administrative decisions necessary to accommodate to the budget established.

The other members of the Board expressed unanimous agreement with the statement made by Mr. Stockmar.

Monthly Reports. Mr. Steinhauer distributed copies of the monthly reports as follows: Balance Sheet, April 30, 1971; Summary for Budget Appropriations and Disbursements, as of April 30, 1971; Budget Summary for Open End 1962 Bond Issue, April 30, 1971; Budget Summary for 1966 Bond Issue, April 30, 1971; Budget Summary for Mines Park Addition and CSM Houses No. 1, April 30, 1971; Budget Summary for State Rental Properties, April 30, 1971; Budget Summary for CSM Athletic Association, April 30, 1971; Budget Summary for Health and Accident Plan, April 30, 1971; Budget Summary for Associated Students, April 30, 1971; Office of Research Services, Overhead Fund, April 30, 1971; and Office of Research Services, Contract Fund, April 30, 1971.

The meeting adjourned at twelve noon.

Secretary

	RESIDENT 1971-1972 Est.				NON RESIDENT 1971-1972 Est.				TOTAL 1971-1972			
	1970-71	Present	Budget	Δ	1970-71	Present	Budget	Δ	1970-71	Present	Budget	Δ
Undergraduate	812	810	860	(50)	513	455	560	(105)	1325	1265	1420	(155)
Graduate	196	199	172	27	199	208	187	21	395	407	359	48
TOTAL	1008	1009	1032	(23)	712	663	747	(84)	1720	1672	1779	(107)

FTE

Undergraduate	1583	1475	1657	(182)
Graduate	156	173	153	20
TOTAL	1739	1648	1810	(162)

April 21, 1971

RECORD OF PROCEEDINGS

The Board of Trustees met in executive session at 9:00 a.m. on May 14, 1971.

Wild Horse Park. Mr. John P. Holloway, acting as the CSM attorney in this matter, reported the status of negotiations with the federal government and with equity holder, Mr. W. A. Mays, on reimbursement for condemnation (see letter attached). After discussion, the Board indicated it wished to compromise with Mr. Mays in the $6,000 range and gave Mr. Holloway authority to effect this compromise.

There was also some discussion as to whether monies received from this could be retained by CSM for capital expenditure purposes or would become a part of the state general fund. Basis a brief prepared by Mr. Holloway, it was hoped that the former would be the case. A ruling by the state Attorney General will likely be required.

Alpha Tau Omega Annex. Mr. Volk reported that he had been contacted about the purchase of the house next door to the ATO fraternity house which has been used as an annex in earlier years. The house is owned by ATO and the ATO is presently planning to dispose of it to meet pressing financial obligations.

Mr. Volk reported the house could be purchased for $10,00, (Mr. Steinhauer reported an earlier appraisal of $14,500) and was property which the School would need eventually.

The Board expressed willingness to recommend that the CSM Foundation purchase the house from CSMF funds, and hopefully the School could buy it from the CSM Foundation when state funds were available.

If purchased, the dwelling on the property would probably be razed and the lot used for parking.

The session adjourned at 10:00 a.m.

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Secretary

May 14, 1971

UNIVERSITY OF COLORADO
BOULDER, COLORADO 80302

OFFICE OF THE RESIDENT LEGAL COUNSEL

May 11, 1971

MEMORANDUM

TO: President Guy P. McBride, Jr.
Board of Trustees
Colorado School of Mines

RE: United States v. 7,668.30 acres of land,
U. S. District Court No. 66-C-60.
Tracts 303, 304, 310, 314 & 317
Colorado School of Mines

THE PROPERTY

Total acreage in which Mines has an interest	9,068.30 acres
Taken by U.S.A.	7,668.30 acres
Remainder owned by Mines outside taking	1,400.00 acres

Categories of Mines ownership.

1. Green -- subject to exception and reservation of ". . . exclusive and perpetual right to use said lands for pasturage . . ." -- W. A. Mays has acquired this reserved right by Quit Claim Deed. 5,028.30 acres

2. Red -- Mines in fee -- subject to outstanding lease with seven years to run -- contains provision that at expiration Mines ". . . will enter into negotiations with the said assignee for renewal of said lease with the idea of giving to the said assignee a reasonable preference in the extension of this lease." -- W. A. Mays has acquired the remaining leasehold by assignment. 2,640.00 acres

THE COMPENSATION - AS A WHOLE
(Undivided Fee Basis - To Jury or Commission)

1. Appraisals

Colorado School of Mines - Mr. Van Court ($37.00 to $53.00)	$45.63 average
W. A. Mays - Mr. Cartwright	57.50
U.S.A. - Mr. Mitchell	35.00

2. Revised Offer $41.08

3. Prior trials before either jury or commissioners for other interests of Mays within Ft. Carson site have resulted in award of $35.00 per acre.

4. Probable award.

a. From jury - on low side, i.e.,	$35.00 per acre
b. From Commission - split between Mitchell and Van Court, i.e.,	40.30

5. RECOMMENDATION - accept offer of $41.08 - Problem - Mays will not accept unless apportionment is agreed upon.

THE APPORTIONMENT
(Unless Agreed Upon - Tried to Court)

1. Allocation I suggested to Mays' lawyer - that I would recommend to Board of Trustees.

			Mays		School of Mines
(Green)	5,028.3 acres	75%	$154,921.92	25%	$ 51,640.64
(Red)	2,640.0 acres	10%	10,845.12	90%	97,606.08
			$165,767.04		$149,246.72

2. Mays conditionally agrees to total from U.S.A. and above allocation - letter to Creamer 4/28/71 - second paragraph.

3. Counter proposal by Creamer (Mays' lawyer) in an effort to settle another case Mays has with U.S.A. and to meet the condition imposed by Mays for settlement of all cases, it is suggested that Mines surrender $6,021.52 of its allocation to Mays enabling distribution as follows:

	Mays		School of Mines
	$165,767.04		$149,246.72
+	6,021.52	-	6,021.52
	$171,788.56		$143,225.20

4. Probable allocation - maximum (Van Court) 50% the award of total compensation (if award $315,000) - $157,500.

5. Problems of proof in allocation proceeding:
   a. Mitchell for U.S.A. has appraised Mines interest (Creamer would subpoena) at 25% of his appraisal of total. (if award $315,000) - $78,750.

   b. Cartwright has probably appraised Mines interest - suspect it's 25%, or less.

   c. Mines "pasturage" in green and its agreement to renew lease in red leaves wide open question for court.

6. RECOMMENDATIONS.

a. I don't think it's proper to ask Mines to surrender anything to off-set another case.

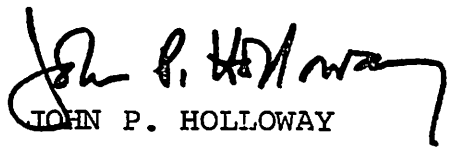
b. U.S.A., however, is not going to come up with the additional $6,021.52 to settle the other case.

c. If Mays wouldn't settle the Mines case, without settlement of all others, as he states, Mines either comes up with the $6,021.52 or makes a further counter proposal - I suggest we offer approximately 1/3 of difference or, rounded:

Mays	$168,000
Mines	147,000
Total	$315,000

THE DISPOSITION OF THE SETTLEMENT
(To The General Fund or School of Mines?)

See my opinion dated May 10, 1971 to Mr. Steinhauer.



JOHN P. HOLLOWAY

JPH:sl

RECORD OF PROCEEDINGS

The Board met in executive session at 9:00 a.m. on June 4, 1971.

Jack Yench. The matter of a student, Jack Yench, marching in the academic procession at Commencement in improper garb was given some attention. Mr. Yench's name had been on the list approved by the faculty and the Board as being entitled to a degree upon completion of all academic requirements and continued compliance with school requirements and regulations.

It was further determined that Mr. Yench was placed on disciplinary probation by direct action of President Childs during the school year, 1969-70.

It was suggested to President McBride that the normal process of temporary suspension, hearing, etc. as set forth in the current student handbook be applied, and in view of the pressure of time it was reported to the Board later in the meeting that a letter of temporary suspension had in fact been prepared to be sent to Mr. Yench later in the day.

During the discussion, it was specifically determined to be the will of the Board that any hearing held pursuant to this letter be for the sole purpose of determining the facts in the case. Once the facts have been verified, decision on Mr. Yench's future will be in the hands of the President.

Possible Proposal to Lease Prospector Park Area. President McBride reported that inquiries had been made by Mr. Hugo Buerger about the possibility of the School leasing this ground. Dr. McBride said the apartments in that area are very important in the school housing program. He suggested that this be kept in mind when a firm proposal is made.

Code of Conduct. This was tabled until a later meeting.

The session adjourned at 9:30 a.m.

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Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
June 4, 1971

In substitution of the regular June meeting, the Board of Trustees met in special session on June 4, 1971, at 8:30 a.m., in the President's Office.

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

Mr. Stockmar, President of the Board, presided.

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

Previous Minutes. The minutes of the meeting held on May 14, 1971 were approved.

Election of Officers. President McBride stated that in line with the bylaws of the Board, the election of officers should take place at the June meeting of the odd-numbered year.

Upon motion made, seconded, and unanimously passed, the present slate of officers was reelected as follows:

Ted P. Stockmar, President
Russell H. Volk, Vice President
Edwin J. Eisenach, Secretary
William A. Alexander, Assistant Secretary
Leo N. Bradley, Assistant Secretary

Relationship - CSM, CSM Foundation, CSM Alumni Foundation. President McBride reported on a discussion which had been held at the CSM Foundation meeting with regard to the confusion arising from the similiarity in the names of organizaions associated with the School. It was observed that this similiarity of names diluted the fund raising efforts of all organizations because it was not clear to those solicited as to which organization they were contributing.

The relationship of the Alumni Association to the School was discussed.

President McBride was instructed to make an appraisal of the entire situation and make recommendations to the Board on the possible coordination of mutual interests and efforts.

Mr. Volk was asked to proceed, in the meantime, to secure a change in the name of the Colorado School of Mines Alumni Foundation.

Housemothers in Fraternities. President McBride reported to the Board that he had considered this matter at some length, and was recommending to the Board that he be authorized to require all fraternities to employ housemothers, at least for one more school year. He was asking for this authorization on the basis that a housemother could and should create a more desirable atmosphere in the house and under proper direction the employment of a housemother would provide a better basis for the development of social responsibility, one of the aims of fraternity life.

Upon motion made, seconded, and unanimously passed, the Board authorized President McBride to extend the ruling that all fraternities must employ housemothers.

Faculty Appointments. President McBride reported for the information of the Board the following appointments to the faculty:

Cooper B. Land, Jr. Research Associate, Geology	$16,000
Wilson Blake Adjunct Assistant Professor, Mining	1,500

Wild Horse Park Settlement. President McBride reported on a settlement agreed upon by all parties involved whereby the School would receive $146,000 for its interest in the Wild Horse Park area and Mr. W. A. Mays would receive $169,000 for his interest.

The Board asked that Mr. Steinhauer be instructed to pursue the avenues available which would allow the School to retain this money rather than having it revert to the State.

Visiting Hours in Mens Residence Halls. President McB ride reported that as instructed by the Board previously, he had worked with Dean Smiley who had consulted all groups involved and a set of rules and conditions had been adopted for trial use during the first semester of the 1971-72 school year.

Copies of the rules and conditions were distributed to the Board for information.

Mr. Steinhauer and Dr. Schlechten entered the meeting at this time.

1972-73 Budget. Mr. Steinhauer distributed and reviewed copies of the proposed budget for 1972-73.

After some discussion, the budget in the amount of $5,786,844 was approved.

Alumni Advisory Council. President McBride asked for instruction on calling another meeting of the Alumni Advisory Council. It was generally agreed that our goals are established and well known. We are agreed that quality is paramount, but we must address ourselves to the question of where the funds will be coming from in the future, such as should current students pay full cost, etc.

The Board agreed that this subject was of sufficient importance that another meeting of the Advisory Council would be valuable in order to obtain the best advice available. A meeting at the time of the dedication of Green Center seemed appropriate. President McBride was instructed to make preliminary plans.

Mines Park Addition. Mr. Steinhauer asked that the following resolution be adopted:

> WHEREAS, the Colorado School of Mines has an agreement, dated April 13, 1962, with the Housing and Home Finance Agency of the U. S. Community Facilities Administration (now known as the Department of Housing and Urban Development); and
>
> WHEREAS, the Board of Trustees of the Colorado School of Mines has the authority and responsibility to fund the facilities covered by this agrement; therefore be it
>
> RESOLVED that effective as of July 1, 1971 all net income from the operation of Mines Park Addition, Nos. 29-36, inclusive, and net income from properties known as CSM Houses Group I, be pledged to finance the funding of these facilities until such time as the Board of Trustees may wish to withdraw the net income from this agreement; and further
>
> RESOLVED that such funds be deposited in an account known as the Dormitory System Revenue Fund Account.

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

Monthly Reports. Mr. Steinhauer distributed the following monthly reports: Summary for Budget Appropriation & Disbursements, May 31, 1971; Budget Summary for Open End Bond Issue, May 31, 1971; Budget Summary for 1966 Bond Issue, May 31, 1971; Budget Summary for Mines Park Addition and CSM Houses No. 1, May 31, 1971; Budget Summary for State Rental Properties, May 31, 1971; Budget Summary for CSM Athletic Association, May 31, 1971; Budget Summary for Health and Accident, May 31, 1971; Budget Summary - Associated Students of CSM, May 31, 1971; Office Research Services, Overhead Fund, May 31, 1971; and Office Research Services, Contract Fund, May 31, 1971.

The meeting adjourned at 11:45 a.m.

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Secretary

June 4, 1971

RECORD OF PROCEEDINGS

Golden, Colorado
August 6, 1971

In substitution of the regular August meeting, the Board of Trustees met in special session on August 6, 1971, at 9:00 a.m., in the President's Office.

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

President McBride attended the meeting.

Mr. Stockmar, President of the Board, presided.

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

Previous Minutes. The minutes of the meeting held on June 4, 1971 were approved.

New Faculty Appointments. President McBride reported the following new faculty appointments:

John M. Shannon Adjunct Assistant Professor as Conductor of the Band	$1,500
George Lynn Adjunct Professor as Conductor of the Glee Club	1,500
A. Keith Turner Assistant Professor of Geology (to begin January 1, 1972, salary based on 9-month employment.)	12,500
Virginia T. Howbert Librarian	8,500
Truman H. Kuhn Vice President for Academic Affairs (Acting), effective August 1, 1971	28,000

Green Center Dedication. President McBride reported to the Board that the completion of the Green Center had been delayed and that on this account the dedication could not be held in a completed facility on the proposed October date. The next open date the Denver Symphony had was April 14, 1972. President McBride asked for instructions on the date of the formal dedication of the building.

It was moved, seconded, and unanimously passed that the dedication of the Green Center be held on April 14, 1972.

Enrollment. President McB ride distributed the Registrar's report on enrollment for summer field sessions and summer school. The figures reflected a very slight upward trend over 1970.

The matter of expected fall enrollment was mentioned and it was suggested that President McBride undertake to determine the impact this fall, and of course later, of the alumni "Each One - Get One" campaign.

Relationship Between CSM, CSMF, and CSMAF. President McBride reported that as instructed by the Board, he had visited with Colonel Fertig about the relationship of the Alumni Foundation, which is in fact the School alumni association, with the other two organizations. He had found Colonel Fertig, though not personally opposed, extremely reluctant to do anything toward merging or consolidating the administrations of the organizations. Colonel Fertig expressed the opinion that such an action would meet with resistance from the membership of the Alumni Foundation.

It was concluded that the matter should be explored further prior to the next annual Alumni Foundation meeting and should in fact be put on the agenda for the next CSM Foundation meeting. (Name change; what can the CSMF do for the Alumni Foundation, etc.)

Mr. Steinhauer entered the meeting at this time.

Wild Horse Park. Mr. Steinhauer read a letter from the Attorney General with regard to the disposition of the $145,840 (including an earlier withdrawal of $10,000) received from the condemnation sale of Wild Horse Park. According to the opinion rendered by the Attorney General (Exhibit C), the money received from sale of a gift to the School still retains the character of a gift and although the money is thus the property of the School and can only be disposed of by it, the School can dispose of this money only when authorized to do so by law. Whether income from this corpus is similarly restricted is not clear.

The area known as Wild Horse Park was a gift to the School for the purpose of serving the needs of the earth engineering field course work (geology, geophysics, surveying, mining, petroleum production, etc.). This purpose was well served, but advancing technology has given us a different way to carry out the intent of the donor. We recognize our obligation to fulfill the original intent but desire to make use of the funds in a way better suited to the technology presently being utilized in the teaching of these courses. President McBride asked for some time to study the needs before making a recommendation for the use either of the funds or of income received on them.

It was moved, seconded, and unanimously passed that Mr. Steinhauer first seek authorization to deposit funds, and second determine from the Attorney General whether the income can be spent in the absence of legislative approval.

In connection with the sale of Wild Horse Park, Mr. John P. Holloway, attorney, submitted an additional bill for $3,018 for services rendered.

Upon motion made, seconded, and unanimously passed, the bill was approved for payment from the $10,000 advance received some time ago on the sale of the property.

President's Report - 1970-71 and Forward. The members of the Board thanked President McBride for his thoughtful summation of our status and our prospects. It was suggested that because of the many major subjects mentioned in the President's report and the limited time available at each Board meeting, perhaps one subject could be discussed and explored fully at each meeting, rather than the present manner of trying to cover so many large areas at all meetings.

The attitude of incoming students was discussed at some length. It was recognized that the approach we may take in making the Colorado School of Mines a totally different institution - stressing discipline and hard work in an effort to attain professionalism - may negate our desired enrollment of 3,000; and we may have to consider the fact that such a course of action could result in an enrollment as low as, say, 800.

It was mentioned that there was at least one major item of interest not covered by the President's memo and that was the outreach and integration of the Mineral Economics Department and curriculum into other undergraduate disciplines. Apparently, this has been discussed with Professor Mather by preceeding administrations. The President undertook to review and develop an understanding of this situation and report to the Board at an early date.

Membership of the Board of Publications. President McBride reported on an apparent discrepancy in the make-up of the Board of Publications as described by the faculty bylaws and as recorded in the February, 1970 Board minutes. It was recognized that the situation arose from a misunderstanding and that there was no intention on the part of the Board to deny the voting power of the four non-student members of the Board; the faculty bylaws were upheld.

Mr. Alexander left the meeting at this time.

The meeting recessed for lunch and the members were joined by Dr. Vandiver who was invited to have lunch with the Board and discuss his plans for the new program of the Humanities Department.

Dr. Vandiver, Humanities Department. Dr. Vandiver explained at some length his plans to revamp the curriculum of the department, making it an approach to the humanities rather than an introduction to literature. He has presented

his staff with a plan to stimulate the creativity and curiosity of the student with questions that are germane to today's technology and spirit. He has hopes of upgrading the knowledge of the student by making the courses in history and literature more interesting as related to his life today.

Among questions and suggestions posed to Dr. Vandiver were (1) why not call attention to the stage of development of the mineral resources at any given time in the course of any literary work being studied; (2) could the written work turned in to other departments somehow be passed through the Humanities Department for grading of grammar, spelling, and syntax; (3) would it be feasible to make it clear to the students that their grades in courses other than English would to a certain predetermined extent be dependent upon their written work; (4) could it somehow be made clear to students that technical knowledge of their subjects is not enough if ideas cannot be expressed clearly; and (5) would it be feasible to require of all seniors a paper on a subject in their field with fifty percent of the grade derived from clarity of expression, grammar, etc.?

Most important in the general thinking was the emphasis which should be given to the development of mineral resources in correlation to civilization.

President McBride thanked Dr. Vandiver for his interesting presentation and the meeting reconvened in the President's Office.

Budget, 1972-73. Mr. Steinhauer distributed copies of the detailed State budget document for 1972-73 in the total amount of $5,690,269. This amount differs from the amount of $5,786,844 approved at the June 4, 1971 meeting due to some change in accounting procedures and changes in tuition rates. Mr. Steinhauer stated this detailed budget accurately reflects the substance of the budget discussed and approved at the June 4, 1971 meeting of the Board.

Upon motion made, seconded, and unanimously passed, the budget detail of the 1972-73 budget in the amount of $5,690,269 was approved.

Capital Construction Budget. The following capital construction items, listed in order of priority, were approved:

Land acquisition I	$ 30,000
Library addition	49,675
Land acquisition II	25,000
Electrical distribution system	50,000
Central heating system	171,000
Minor alterations	48,200
Engineering complex	16,420
Land acquisition III	232,100
Controlled maintenance	110,450

Affirmative Action (Equal Opportunity) Statement. President McBride stated that, according to the federal government interpretation, the School is classified as a contractor and thus is required to adopt and abide by written policy with regard to minority races. Copies of the statement as proposed by the administration were distributed.

Upon motion made, seconded, and unanimously passed, the statement as written was approved. (Exhibit D attached.)

Reimer Property - 823 15th Street. Mr. Steinhauer read a letter from the Attorney General's staff in which it was recommended that the School pay the requested $18,000 for the property with the firm understanding that the property be released to the School by the end of October. The recommendation that the School pay the $18,000 was in recognition of the real value of the property.

It was moved, seconded, and unanimously passed that the School purchase the Reimer property for $18,000.

Hollaus Property - 815 15th Street. Mr. Steinhauer reported that this property which was appraised at $14,000 in 1969 was now being offered to the School at $23,592, based on improvements made since that time. Mr. Steinhauer was instructed to seek advice from the Attorney General's office on the obligation of considering improvements made after the fact was known that the property was needed and the right of condemnation existed.

Prospector Park Area. Mr. Steinhauer reported on an inquiry he had received about the sale of property occupied by Prospector Park.

The Board instructed Mr. Steinhauer to wait until a definite offer was made before taking any action.

Alumni Advisory Council. President McBride asked for the Board's wishes with regard to the convening of the Alumni Advisory Council. After some discussion it was decided that the dedication of Green Center would probably be the best time to plan such a Council meeting.

Commencement Speaker. In discussing the speaker for Commencement, the Board members were of the opinion that variation in the speakers' disciplines was desirable and that the choice made by President McBride would be subject to Board approval. It was deemed appropriate that Dr. McBride invite a humanist for 1972 in view of the change being proposed for the Humanities Department.

Campus Master Plan. The master plan as prepared by the firm of Warnecke/Painter under date of June 28, 1971 was approved.

Monthly Reports. Mr. Steinhauer distributed copies of the Balance Sheet, July 31, 1971 and copies of the following reports for the last of the 1970-71 fiscal year and the first for the 1971-72 fiscal year: Summary for Budget Appropriation and Disbursements, July 31, 1971; Budget Summary for Open End 1962 Bond Issue, July 31, 1971; Budget Summary for 1966 Bond Issue, July 31, 1971; Budget Summary for Mines Park Addition and CSM Houses No. 1, July 31, 1971; Budget Summary for State Rental Properties, July 31, 1971; Budget Summary for CSM Athletic Association, July 31, 1971; Budget Summary for Health and Accident, July 31, 1971; Budget Summary, Associated Students of CSM, July 31, 1971; Office of Research Services, Overhead Fund, July 31, 1971; and Office of Research Services, July 31, 1971.

The meeting adjourned at 3:00 p.m.

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Secretary

RECORD OF PROCEEDINGS

The Board of Trustees met in executive session at 9:00 a.m. on August 6, 1971.

Appearance of Students. The general appearance, mainly the length of hair and manner of dress, of our students was brought up for discussion. Mr. Bradley distributed copies of a U. S. Ninth Circuit Court of Appeals decision in California (June 25, 1971) where a judge upheld the right of school officials to require certain code of dress and grooming.

The subject was postponed for a later discussion, Mr. Bradley indicating that it was his intention to propose at a later meeting a new or revised student conduct code embodying, among other features, some regulations as to general appearance.

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Secretary

Exhibit C

71-4603

The State of Colorado

DEPARTMENT OF LAW

DUKE W. DUNBAR
ATTORNEY GENERAL

OFFICE OF THE ATTORNEY GENERAL
104 STATE CAPITOL
DENVER, COLORADO 80203

JOHN P. MOORE
DEPUTY ATTORNEY GENERAL

August 5, 1971

Mr. Gurnett Steinhauer
Vice President for
Business Affairs
Colorado School of Mines
Golden, Colorado 80401

Dear Mr. Steinhauer:

Re: United States v. 7,668.30 acres of land, U. S. District Court No. 66-C-60. Tracts 303, 304, 310, 314 and 317 Colorado School of Mines

I have your letter asking my opinion as to the proper disposition of the money received by the Colorado School of Mines as a result of condemnation proceedings by the United States for the expansion of Ft. Carson. It is stated that the property involved was a gift to the School.

It is my opinion that the money received as compensation for the taking in a condemnation suit still retains the character of a gift, and that pursuant to 124-9-1, CRS 1963, the school can only dispose of this money when authorized to do so by law.

I am of the opinion these moneys are in the nature of a trust fund or quasi-trust fund, within the meaning of 130-4-2, CRS 1963.

Attention is directed to House Bill No. 1225, enacted by the 48th General Assembly at its first regular session. Section 1 of this Act repeals and reenacts several sections of Article 6, Administrative Code, relating to the Department of the Treasury. Section 3-6-3(2), as amended, provides that where an institution, or agency receives moneys of a quasi-trust nature, such institution may upon application to the Division of Accounts and Control and upon the written approval of the State Controller and the State Treasurer, deposit such moneys in some national or state bank doing business in this state, under the same conditions as other state moneys are deposited (3-6-10).

3. Vice President for Student Affairs will be responsible in matters concerning student employment.

These officers will report directly to the President.

C. The responsible officers listed in section B will continue to ensure that equal employment opportunities are afforded in their areas of concern. In addition, they will prepare an annual, formal report to the President which documents their analysis. The report will include but not be limited to:

1. The present composition of employees.

2. The composition of the flow of applicants for declared vacant positions.

3. A description of the selection process.

4. A description of the promotion process.

5. An analysis of the present situation.

6. Suggestions on how to improve those areas, if any, which are felt to be deficient.

7. A report on special efforts which are being made to ensure equality of opportunity.

D. The President will present the reports to his staff annually, and they will have the responsibility for the critical examination of the reports. If deficiencies are discovered, his staff will prepare a plan which sets realistic goals and timetables for correcting them, and that plan will be disseminated to those responsbile for its execution.

E. The President will appoint a Human Relations Committee which will include student, non-contract personnel, faculty, and administration members. This body will be responsible solely to the President and will be charged with the following tasks:

1. Make recommendations to the President on any matter pertaining to human relations.

2. Hold formal hearings on any complaint or grievance which is felt by the aggrieved party to be mainly discriminatory in nature.

3. Hold open sessions periodically to provide a forum for identification of potential campus human relations problems before they become major enough to warrant formal grievance action.

The chairman of the Human Relations Committee will be the school coordinator for and advisor to the President on all activities described in this plan.

F. The individual members of the academic community will be encouraged to participate in their own local community action programs.

G. The School will continue to support the statutes and community action programs which can result in improved living conditions for all of the members of the school community. Close cooperation between the School and governmental agencies will be maintained.

Approved for issue: Board of Trustees
August 6, 1971

RECORD OF PROCEEDINGS

The Board met in executive session at 9:00 a.m. on September 10, 1971.

Student Appearance. Apropos of the general appearance of the students as discussed at the August executive session, it was suggested that perhaps it was all part of the important issue - how do we instill in students, early in their academic career, the importance of professionalism in the career which they have obviously chosen, otherwise they would not be here. It was generally agreed, as before, that such professionalism must be encouraged by the faculty.

The idea of a program which would enable students to stay out of school and work for a year or two during the course of their study for a degree was discussed briefly, but it was pointed out that it would take a great deal of cooperation from industry.

Inquiry from Committee on Organization of State Government, Legislative Council. President McBride distributed copies of the letter dated September 3, 1971 from the Committee with regard to the governance of higher education. Draft copies of a reply were also distributed. The Board offered a few suggestions to President McBride on some points of the letter, and Mr. Stockmar agreed to be the official representatiave from the Board to attend the meeting being called for October 8. Mr. Bradley and President McBride agreed to attend the meeting also.

Chairman of the Geophysics Department. President McBride reviewed the actions he had taken in the selection of a new department head for the Geophysics Department. Approximately 30 letters had been written to men prominent in the geophysical field asking for recommendations. The list had been reviewed by the staff of the department and their first recommendation had been Dr. Ralph Holmer. President McBride said that he was in complete agreement with this recommendation and that it was his impression that Dr. Holmer is willing to accept the appointment provided suitable salary, etc. can be negotiated.

Wage/Price Freeze. President McBride reported to the Board that President Thieme of the University of Colorado had written a letter to Dr. Abbott with copies to his Faculty Senate and the presidents of other State colleges and universities in which he requested Dr. Abbott to request "exemption from the national policy" for educational institutions. President McBride stated, and the Board agreed, that the request for exemption was not in order as far as Mines is concerned. President McBride was instructed to write to Dr. Abbott stating our position.

Faculty Handbook. President McBride reviewed for the information of the Board the evolution of the present faculty handbook. It was pointed out that the book

had never received Board approval. Among suggestions made with regard to the handbook were the opportunity to bring the department heads into the administrative area, correct the statements with regard to promotions, the relationship of teaching and research, examine the statements (policy) on sick leave, vacations, etc. as stated in the present handbook.

The executive session ended at 10:45 a.m.

Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
September 10, 1971

The Board of Trustees met in regular session at 10:45 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Bradley, Eisenach, and Stockmar.

Absent: Messrs. Alexander and Volk.

Mr. Stockmar, President of the Board, presided.

President McBride attended the meeting.

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

Previous Minutes. The minutes of the meeting held on August 6, 1971 were approved.

New Faculty Appointment. President McBride reported the following new appointment to the non-teaching faculty:

Rudolph Pinsky $12,500
Assistant Director of Admissions

Faculty Contract Changes. President McBride reported the following changes in faculty contracts:

William R. Astle from 12-month contract at $13,500 to 9-month contract at $13,200

Daniel M. Bass, Jr. changed from Acting Department Head to Department Head

Effects of Price/Wage Freeze. President McBride reported to the Board that, upon notice of President Nixon's action, we contacted the appropriate agencies in the State and asked for instructions. We have abided by the decree according to the interpretations by the State officials. All faculty and staff salary increases which would have gone into effect for the 1971-72 school year have been suspended. Promotions, which carried appropriate salary compensations, are being honored. Room and board in the dormitories was not affected because there had been no change planned. Rental increases in Mines Park and in Prospector Park and Village have been held up, although we do not have a clear ruling on rental increases for the latter. Tuition was increased as scheduled in line with instructions from the State Controller and the Attorney General.

President McBride stated, and the Board was in full agreement, that it is our intention to comply with the national policy in every respect, but we must also be sure that our faculty is not unfairly penalized by such compliance.

Enrollment. President McBride distributed tabulations of the enrollment figures and reported that enrollment would allow us to operate within the budget as approved by the Board at the June meeting.

Faculty Handbook. President McBride reported that a sub-committee of the Administrative Advisory Council, comprised of teaching and non-teaching faculty, has been doing some work on a revision of the faculty handbook. The handbook has been used in the past as a guide for new faculty, but because policy is quoted,it has been decided by the sub-committee that Board approval should be sought. Up to this time, the handbook has never been presented for Board approval, but as the handbook states policy, President McBride recommended that the Board give the entire publication very careful consideration, deciding in the process whether to "approve" it or to allow it to be published sans approval.

Colorado School of Mines Alumni Foundation. President McBride reported that the alumni association has removed the word "Foundation" from its mailings in an effort to minimize confusion among the various organizations. The legal name of the association remains "Colorado School of Mines Alumni Foundation, Inc."

President McBride reported that at the CSM Foundation meeting on August 25 there had been very little discussion and the subject remains a matter for consideration.

Commencement Speaker. President McBride reported that he had obtained an acceptance from Dr. Harry Ransom, Chancellor Emeritus, The University of Texas. The selection of Dr. Ransom as a Commencement speaker was considered particularly felicitious in view of the change being made in the humanities program this year.

Sp.

H.B. 1246. President McBride reported to the Board that Representative John D. Fuhr had requested from Dr. Abbott the rationale as to why educators should not be under the state personnel system. In H.B. 1246, under Section 16, 26-5-34, exemptions from the personnel system are listed. Following Abbott's reply, a second query asked if the eductional establishment were in complete accord with the exemptions of H.B. 1246.

The Board instructed President McB ride to write to Dr. Abbott endorsing H.B. 1246 and listing all positions at the Colorado School of Mines which were not to be included in the state personnel system.

Mr. Steinhauer entered the meeting at this time.

Reimer Property, 823 15th Street. Mr. Steinhauer reported that Mr. Montoya of the Attorney General's office, who is handling this for the School, has not obtained written agreement from the attorney representing Mrs. Reimer.

Hollaus Property, 815 15th Street. Mr. Steinhauer reported that there was nothing new on this property and the timing of the need for the property was reviewed in the event condemnation became necessary.

Prospector Park Area. Mr. Steinhauer reported that he had received from Texaco a proposal for a 15-year lease, with three 5-year options, rental to be 8 percent of the appraised evaluation, all terms subject to approval by Texaco management.

The Board and President McBride agreed that there was a need for married student housing and since it was inevitable that the area under consideration would be taken by the Highway Department eventually, we should be actively exploring financing for new married student housing.

CSM Development Program. This matter was postponed until Mr. Volk and Mr. Alexander could be present. A special dinner meeting will be arranged to occur after Mr. Volk returns to the country.

Mr. Eisenach left the meeting at this time.

Monthly Reports. Mr. Steinhauer distributed the following monthly reports: Balance Sheet, August 31, 1971; Summary for Budget Appropriation and Disbursements, August 31, 1971; Budget Summary for Open End 1962 Bond Issue, August 31, 1971; Budget Summary for 1966 Bond Issue, August 31, 1971; Budget Summary for State Rental Properties, August 31, 1971; Budget Summary for Health and Accident Plan, August 31, 1971; Budget Summary for CSM Athletic Association, August 31, 1971; Budget Summary, Associated Students of CSM, August 31, 1971; Office of Research Services, Overhead Fund, August 31, 1971; andOffice of Research Services, Contract Fund, August 31, 1971.

The meeting adjourned at 12:45 p.m.

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Secretary

RECORD OF PROCEEDINGS

The Board of Trustees met in executive session at 9:00 a.m. on November 5, 1971.

Metallurgy Department. President McBride reported that Metallurgy Department is having disagreements involving Dr. Hager, Mr. Balberyszski, and Dr. Davey.

RECORD OF PROCEEDINGS

Golden, Colorado
November 5, 1971

The Board of Trustees met at 9:00 a.m. in the President's Office of the Colorado School of Mines. It had been agreed that this session would be held in substitutions of both the regularly scheduled October and November sessions.

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

Mr. Stockmar, President of the Board, presided.

President McBride and Vice President Steinhauer attended the meeting. Vice President Anton G. Pegis attended the afternoon session.

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

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

Faculty Appointment. Dr. McBride reported that Dr. James Irving Pritchard had been made a member of the faculty as Research Associate in Geophysics for one year. The Board took cognizance of the appointment.

Dr. Ralph Holmer. It was reported that Dr. Ralph Holmer continues to be expected to join the staff on January 1 next. Both Professor Hollister and Dr. Holmer understand that the former is in full charge until the actual date of Professor Hollister's retirement, but Professor Hollister has been told very clearly by the President that he is expected to review with Holmer major decisions taken during the spring and summer of 1972.

Reports:

a) Report on October 8 Meeting - Committee on Organization of State Government. President McBride and Board President Stockmar reported that they had attended this meeting. Board President Stockmar represented Mines at the meeting. A principal report was offered by Mr. Larry Scott, a member of the CCHE. Mr. Scott's report indicated that CCHE has changed its position on college and university governance and no longer recommends a single board to govern the university level institutions. Instead CCHE recommends a single board for each of the universities, including Mines, another board to govern the western slope 4-year colleges including Fort Lewis, another board to govern the metropolitan 4-year colleges in Denver and Colorado Springs, and finally a single board for the junior and community colleges.

It was specifically recommended that the Mines Board be increased from five to seven and that diversity of interest and background among the members be broadened, and finally that the term of office be limited.

Mr. Stockmar reported further that he had recommended to the committee in very strong terms that the governing and coordinating structure for higher education be kept as simple as possible to allow direct communication between university boards and administrators and policy making legislative groups.

b) Effects of Wage/Price Freeze. Mr. Steinhauer reported that we expect to receive a directive from the State to control our post-freeze salary and price structure. It is expected that this directive will have effect as of December 1 with perhaps some retroactivity on salaries to November 14 only.

c) Current Status of 1972-1973 Budget (CSM Hearing Scheduled for December 17, a.m.)

It was reported that the Joint Budget Committee of the General Assembly will meet on the Mines 1972-1973 budget on the campus 9:30 a.m. - 12 Noon, Friday, December 17 next.

President Stockmar asked that each Board member make an unusual effort to be present. It is expected that the visit will begin with a campus tour followed by budget discussions followed by an informal buffet lunch.

After a rather extended discussion, the Board concurred in the administration's view that the Executive Budget Office recommendations, being as they now stand $111,000 less than the budget for this year, represent a clear failure to support Option Two of the Borgmann Report and should therefore not be supported.

President McBride was instructed to reply with specific comments to the current EBO letter requesting a supporting narrative but not to offer positive support to the budget.

d) Faculty Handbook. It was noted that members of the Board had received copies of the current draft of the revised faculty handbook, and President Stockmar reviewed his statements at the September Board meeting to the effect that the revisions proposed were in part major ones and should receive the careful cognizance of the Board.

President McBride stated that the administration expected to receive from the Handbook Committee through the Advisory Council another draft of the handbook, revised very slightly to take account of faculty suggestions received during September and October.

The administration will then undertake to revise

the current Faculty Handbook to meet, as it determines to be both practicable and in line with Board policies, the revisions suggested by the Ad Hoc Committee. It is expected that this melded version will be submitted to the Trustees for cognizance and/or approval as they decide and then to the faculty as individuals for their information and guidance.

President McBride reported that although a definite time table had not been established he hoped to have a revision completed prior to the end of the year.

e) Mineral Economics - Progress Report. A written report on Mineral Economics Department progress had been prepared by Department Head Mather and distributed to the Board prior to the meeting. It was determined that the Board members had no questions on this report.

At the suggestion of Mr. Bradley, President McBride undertook to review once more with Professor Mather the question of utilizing the services of former Adjunct Professor Madsen and to urge Professor Mather to devise an arrangement to permit Mr. Madsen to teach during the spring semester.

f) Student Housing. Mr. Steinhauer reported, as instructed at the September Board meeting, very preliminary plans to replace Prospector Park units by new construction in the area of 18 - 19th and Illinois. HUD has been contacted with only fair results; it was reported that a 50-unit complex would cost in the neighborhood of $800,000.

The administration was instructed to carry these plans forward and report.

g) Green Center Completion. Current plans call for acceptance of the building about December 1 and for moving in immediately thereafter. It is hoped that the building can be in substantially full use by the beginning of the second semester, although in view of the unconscionable delays already experienced, no one can feel secure about this date.

Letter to Mining Companies. ("Affirmative Action" Program). President McBride presented to the Board the concept of working directly with individual mining companies in the Rocky Mountain area to select from among their employees and to train minority group persons exhibiting potential as mineral engineers. The administration was authorized to contact mining companies, on a limited basis, to determine the responses to such a program and to put it into limited operation.

Complaint re ROTC. President Stockmar reported that the members of the Board of Trustees had been served individual complaints in an action filed by the District Attorney of Jefferson County alleging ROTC not to be a proper

educational function of the Colorado School of Mines.

As required, these complaints have been referred to the Attorney General of the State of Colorado, who will have filed a responsive answer by the due date of Tuesday, November 9, 1971.

Mr. Stockmar reported that the Attorney General had indicated some problem as to whether the case had been properly structured as regards protagonists. Mr. Stockmar further emphasized that inasmuch as the case has now been entered it would be inappropriate for any affected individual to comment publicly on it.

Honorary Degree - Commencement Speaker. President McBride recommended to the Board that the honorary degree of Doctor of Engineering be conferred upon the Commencement speaker for 1972, Chancellor Emeritus H. H. Ransom of the University of Texas. It was recommended that this action be taken in recognition of Dr. Ransom's achievements in interpreting science and engineering and the humanities to each other, and in building the University Library, including the Sid Richardson Library of Science and Technology, to preeminence among the libraries of the world.

On motion duly made and seconded, the Board gave unanimous approval to this recommendation and instructed President McBride to be in touch with Dr. Ransom to proffer the honorary degree.

Monthly Reports. Monthly reports noted by Board.

Property.

a) Reimer Property - 824 15th Street. Mr. Steinhauer reported that Joseph Montano was in touch with George Creamer, attorney for Mrs. Reimer, and it has been agreed that they will accept $18,000 and will sign agreement upon receipt of check. Mrs. Reimer cannot move out until November 15.

b) Hallaus Property - 815 15th Street. Following a report by Mr. Steinhauer that he had been totally unable to proceed effectively with appraisals and negotiations for the acquisition of this property, the Board approved a motion by Mr. Volk, seconded by Mr. Eisenach, that the administration proceed with condemnation.

c) Proposed Rezoning of SW Corner, 19th and Illinois. It was reported that Mr. Nils A. Christiansen, a Mines graduate, who owns this property, is proposing to convert it to income-producing commercial use and has asked for appropriate rezoning. The rezoning request is now tabled to December 1. Explicit in Mr. Christiansen's proposal is that the income from the property be used to provide scholarships to Mines for Golden residents.

After discussions, the Board: (1) viewed as inevitable the rezoning to commercial use of this property

and determined not to oppose; (2) expressed concern that the proposed commercial use be handled architecturally in such a way as to enhance the appearance of the general area, which will be a major entrance to the Mines campus; and (3) instructed the administration to work with Mr. Christiansen not only to secure the scholarship support he offers but more particularly to guide the architectural development of the proposed commercial use.

Fund Raising - Development Program. Following luncheon, during which Vice President Pegis joined the meeting, there was as planned, a thorough discussion of the future development of the Colorado School of Mines, both as to its goals and size and as to the securing of funds to enable the achievement of these goals.

Mr. Stockmar emphasized that goals must be set before fund raising development can proceed, and he raised the question whether, having thoroughly in mind the special mission and quality objective of the Borgmann Report and the ultimate size objectives outlined by CCHE, we might not be able to effect immediate enhancement of quality by setting short-term enrollment limits designed to produce competition among entering students.

On questioning, President McBride stated that it was his goal, which he felt had been validated by the Trustees, both to maintain and increase quality and gradually to increase enrollment to 2,000 by about 1975. President McBride stated further that to move toward these goals we needed two kinds of funds, scholarship and grant money for students, particularly in view of the trend to charge a larger and larger fraction of current cost to current students, and endowed or guaranteed professorships, particularly in view of the trend severely to limit Mines current favorable faculty-student ratio by formula budgeting.

It appeared to be the sense of the discussion that the Trustees would welcome specific proposals from the administration both on near and long-term goals on specific fund raising programs.

The meeting adjourned at 3:30 p.m.

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Secretary

RECORD OF PROCEEDINGS

The Board of Trustees met in executive session at 9:00 a.m. on December 10, 1971.

Green Building. The dedicatory plaque as prepared by the school architect under date of December 8, 1971 was approved.

Distinguished Achievement Medal. President McBride raised to the Board the question of whether it was their intention to restrict the awarding of the Distinguished Achievement Medals to those who have actually earned a degree at the Colorado School of Mines rather than allowing consideration of any living alumnus.

After discussion it was decided that it was not the Board's intention to restrict the awarding to those having earned degrees but to allow consideration and possible award to any alumnus, defined as one who has been a bonafide student at CSM even for as short a time as one semester.

The Board expressed the intention, however, of awarding the Distinguished Achievement Medal only to those who truly bear the hallmark of the institution even though it was recognized that in the case of some alumni this might well prove a difficult decision.

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Assistant Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
December 10, 1971

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

Present: Messrs. Alexander, Bradley, and Stockmar.

Absent: Messrs. Eisenach and Volk.

President McBride attended the meeting.

Mr. Stockmar, President of the Board, presided.

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

Previous Minutes. The minutes of the meeting held on November 5, 1971 were approved.

Faculty Appointments. President McBride reported the following appointments to the faculty:

James E. White Adjunct Professor of Geophysics - second semester	$2,000
Joe D. Megeath Visiting Assistant Professor of Mathematics, January 12, 1972 - June 12, 1972	7,500

Candidates for Degrees. President McBride distributed a list of first semester 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 wtih acceptable institutional standards of conduct:

BACHELOR OF SCIENCE (MINING ENGINEERING)

Clifford Ivan Karl Britch	William James Mullin
Larry Robert Fischer	LeRoy John Tribe
Robert Thorel Johnson	Robert G. Trumbly, Jr.
Charles Seward McNeil	Randy Lyn Weingart

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

Stephen Paul Antony	L. Carle McEvoy III
Richard Carl Arnett	Robert Raymond Monok

Gordon Allen Bates
Lawrence James Brumwell
Wilson Clay Crawford
Steven Dana Emerson
John Lind Funk
Charles Dennis Mulhern
Chris Lee Pfalzgraff
Alan Newton Pike
Paul Edward Thompsen
Gary Howard Thompson
D. Ernest Winkler

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Jerold Francis Brown
Robert George Cuffney
Clark K. Gestring
Robert Franklin Lucht
Robert David May, Jr.
Richard Ray Ramert
Michael Dan Shotton
Oral Lee Staman

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

Juan Orestes DeLuca
Mark Simon DeVries
David Rovert Montague
John Stephen Sutherlin

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING

James Neal Fay
James A. Martinez
David George Stolfa
Edward Dean Wendler
Gary Eugene Whatley

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

Scott Gibson Mefford
James Lynn Minetree
William David Weller, Jr.

BACHELOR OF SCIENCE (MINERAL-ENGINEERING CHEMISTRY)

George Brett Bristol
Daniel J. Frawley

BACHELOR OF SCIENCE (MINERAL-ENGINEERING MATHEMATICS)

Clifford Clarence Parsons
John Herbert Stolp
Robert Henry Tenney, Jr.

BACHELOR OF SCIENCE (MINERAL-ENGINEERING PHYSICS)

John Leif Colson
David Loren Krenek

ENGINEER OF MINES

Robert J. Boutin
Charles Richard Cusack

METALLURGICAL ENGINEER

Matthew Alfred Reay

PETROLEUM ENGINEER

James William Calvin

GEOPHYSICAL ENGINEER

Jeffrey Campbell Bond

MASTER OF SCIENCE (MINING ENGINEERING)

Javier Vinas Planas
Paul Ping-ping Wu

MASTER OF ENGINEERING (METALLURGICAL ENGINEER)

J. Anand Chandra Prabhakar
John H. White, Jr.

MASTER OF SCIENCE (METALLURGY)

John C. Gathje
Nadim Abdala Sareyed-Dim

MASTER OF SCIENCE (METALLURGICAL ENGINEERING)

Gollahalli V.G. Rao
Nrendra R. Zaveri

MASTER OF SCIENCE (GEOLOGY)

Mahmood Uddin Ahmad Siddiqi
Christopher R. Candee
Frederick Alexander Peel
Gary L. Raines

MASTER OF ENGINEERING (PETROLEUM ENGINEER)

Johann J.L. du Toit
Worral Ray Emmett
Jack Albert McCartney

MASTER OF SCIENCE (PETROLEUM ENGINEERING)

Jack A. Krug
Bradford Jay Sinex, Jr.

MASTER OF ENGINEERING (CHEMICAL AND PETROLEUM-REFINING ENGINEER)

Jaime X. Coello Izquierdo
J. William Fishback
Ekmel Sinanoglu
Rodrigo Varela V.

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Ronald Lloyd Gist
Roger Charles Neuschelor

MASTER OF SCIENCE (GEOPHYSICS)

John J. Jaworski
Olusequn Akinyemi Oduolowu

MASTER OF SCIENCE (GEOPHYSICAL ENGINEERING)

Catherine Adams King

MASTER OF SCIENCE (MATHEMATICS)

Edwin Paul Gebhardt

MASTER OF SCIENCE (MINERAL ECONOMICS)

Philip William Cloues
William Jeffrey Hart
Raymond L. Lowrie

MASTER OF SCIENCE (GEOCHEMISTRY)

John Michael Klein
Flavio Juarez Tavora

DOCTOR OF PHILOSOPHY (MINING)

Robert Melton Cox, Jr.

DOCTOR OF PHILOSOPHY (METALLURGY)

Vicento Falconi Campos

DOCTOR OF PHILOSOPHY (GEOLOGICAL ENGINEERING)

William Makram Shehata

DOCTOR OF PHILOSOPHY (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Jack Stephenson Corlew
Anthony Onu Ukanwa
Garry Verne Veber

DOCTOR OF PHILOSOPHY (CHEMISTRY-METALLURGY)

Jan Han Ong

Reports:

a) Budget. President McBride reported on the meeting on December 9 of the presidents and board secretaries of all institutions of higher learning, called first in the morning with Dr. Frank C. Abbott, Executive Director of the Colorado Commission on Higher Education, and then in the afternoon with the Joint Budget Committee.

In the former meeting, information was made available which resulted in a revision to Mines current proposed Executive Budget as indicated in the document submitted to the Trustees. The current EBO recommendation was reported to be a total expenditure of $5,127,341, up from the corresponding figure reported at the last meeting of $4,962,974. The increase is due to our being advised

"under the table" to take $96,800 from retained overhead funds and second to an actual General Appropriation increase in the amount of $67,785.

The meeting with the Joint Budget Office developed along the lines of the classic dispute between the executive and legislative branches of government, the JBC claiming that the EBO budget information as submitted did not include an adequate supporting narrative and the EBO, represented by Mr. B. E. Teets, Executive Director, Department of Administration, to whom the EBO reports, maintaining that the current information was not only adequate and surpassed all prior efforts, but that by withholding individual institutional requests the EBO had precluded the colleges "making end runs around one agency or another."

In the event, the JBC postponed all higher education budget hearings, originally set for the weeks of December 13 and 20, until such time in January as the colleges individually persuade the JBC that adequate narrative was available.

Left unanswered for the individual institutions was just how much information the Governor's Office would like to see given to the Joint Budget Committee.

b) Audit of Foundations. Mr. Stockmar reported on the meeting he had attended on December 2 which had been called by the Legislative Audit Committee and which dealt with the auditing of private foundations; e.g., CSMF and subsidiaries. Representative Richard Lamm, Chairman of the Committee, presided.

Mr. Stockmar said it may be that we have a more complex, sophisticated organization than the other state colleges and universities. He reported that he had made a strong statement on the value of this kind of entity for the enrichment of programs beyond what the State could justify supporting.

Mr. Stockmar stated that what the Legislative Audit Committee is asking is not consistent with the law as the law now stands, i.e. these foundations are separate private corporations and there is nothing in the law that would justify the State Auditor auditing a private corporation. If there should be in any foundation funds such as rent which belong to the State, these funds should be disgorged and put in the hands of the State.

Another major objection we have is the concept which might give rise to the thought or fear in the minds of our donors that the gifts given become part of the State budget. This would nullify any effort at an enrichment program.

Representative Cole was reported to have been outspoken that they had to have information. Mr. Stockmar agreed that there was no question that the legislature is

entitled to all the information from the institutions concerning the impact on the State of any program, particularly one which might carry some obligation on the part of the State. The State should not have obligations imposed upon it without prior knowledge. Nothing CSMF has done has had impact on State without State's prior knowledge. The State is entitled to all information, through the institution.

The members suggested that the Committee choose an auditing firm and furnish guidelines. This, of course, would in effect be their audit and the representatives from the colleges and universities were unwilling to agree to this.

The colleges and universities were unanimous in their opposition to State auditing.

Mr. Steinhauer entered the meeting at this time.

c) Green Center. President McBride reported that the building was being occupied as fast as the moving can be accomplished and by the beginning of the second semester the Center should be in full use.

d) ROTC Complaint. The Board members told President McBride that although it wasn't strictly necessary to have someone at the hearing on December 30, it might be well from an internal public relations point of view to have the School represented.

Property:

a) Hollaus Property - 815 15th Street. Mr. Steinhauer reported that as instructed by the Board, he had received an appraisal of the property. The appraised price is $22,000.

The property is located in an area we must acquire eventually but there are not sufficient funds available. Mr. Steinhauer was instructed to talk with Mr. Hollaus and try to arrive at an acceptable payment date for the property, deferring that portion of the money not now available from State funds.

b) Southwest Corner of 19th and Illinois. President McBride reported that the Planning Commission had recommended against the rezoning of this corner and that the matter now goes to the City Council.

Monthly Reports. Mr. Steinhauer distributed the monthly reports.

The meeting adjourned at 11:45 a.m.

Assistant Secretary