

RECORD OF PROCEEDINGS

Golden, Colorado
January 13, 1989

The Board of Trustees met in regular session on January 13, 1989, at 9:12 a.m.

Trustees present: Ms. Allen, Messrs. Lawler, Miller, Pascoe, Stott, Wilson and Wood.

Absent: Mr. Schwartzberg.

Also attending the meeting were President Ansell, Vice Presidents Golden, Nyikos, Powers, and Scott, Deans Chevront, Cordes, Gentry and Olson, Mr. Robbins, Executive Director of the CSM Foundation, Dr. Sloan, faculty representative to the Board, other staff members, and visitors.

Mr. Wood presided.

Previous Minutes. The minutes of the meeting held on December 16, 1988, were approved as distributed.

Visiting Committee. Dr. Golden informed the Board that Dr. Pang of the Department of Global Systems and Culture has recommended that the following persons be invited to serve on the visiting committee of that department:

Dr. John Wirth
Professor of History
Stanford University
Stanford, CA

Philip C. Walsh
Cyprus Minerals Company
New York, New York

Marvin Gantz
Lignier, PA

Thomas W. Rollins
Senior V.P. for Exploration
Pogo Producing Co.
Houston, TX

Ian Mackay
Red Rock Resources Ltd.
Calgary, Alberta, Canada

Milton Drucker
Office of Andean Affairs
U.S. Department of State
Washington, D.C.

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Martha T. Muse
President and Chairman
The Tinker Foundation, Inc.
New York, New York

Alejandro Bulgheroni, Chairman
Bridas
Buenos Aires
Argentina

The Board unanimously approved the motion to invite the above-named persons to serve on the Visiting Committee for the Department of Global Systems and Culture.

CSM Policy for a Drug-Free Workplace. Mr. Scott explained that the U.S. Congress passed the Drug-Free Workplace Act of 1988, which requires all those who contract with the federal government to have a policy declaring their workplace to be drug free, and an accompanying action plan. The law becomes effective January 1989. He stated that a policy and accompanying action plan have been prepared for adoption by the Board, with the understanding that modifications may be required in the future as additional guidelines and information become available. The plan has been reviewed by the Office of the Attorney General after preparation by the Personnel Officer.

The Board unanimously approved the CSM policy and accompanying action plan.

Approval of Preliminary Plans, ATO. Approval of the preliminary plans for ATO house on West Campus Road were deferred until February to give an opportunity for further review by Plant Facilities and Student Services and to allow discussions with the project architect. Dunn Krahl and Daryl Klone were present to answer questions from the Board.

Mrs. Judith Zewe was introduced to the Board as the new Director of Personnel/Affirmative Action.

New Faculty Appointments. There were no new faculty appointments to report.

Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Spring 1989, as of January 4, 1989.

Enrollment - Admissions. Mr. Young had provided the January 1, 1989 Admissions Report and the Admissions Report for Spring Semester 1989.

Sue Mitchell, in answer to a Board request, presented a preliminary report on admissions to date, describing admissions activities related to the Student Ambassador Program and the Alumni Recruiting Program. It appears the spring enrollment figures are slightly ahead of last year. The final report will be available in February. Discussions followed concerning the admissions standard, as defined by CCHE and CSM's relations to other institutions within the State.

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New Research Awards. Dr. Olson provided a report on new research award volume for December 1988. This month's volume is \$1,380,644 compared to \$589,253 for the same time period in the previous year. This results in a cumulative total for FY 1989 of \$6,222,858, which is \$2,357,069 ahead of the total for the same period in the previous year. Twenty-two different faculty members were involved in twenty-two new or add-on project awards.

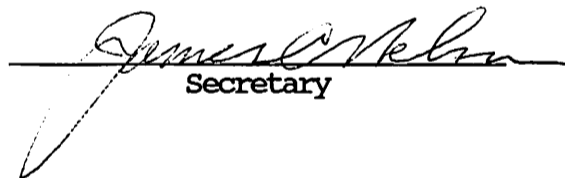
Seventeen proposals were submitted in the month of December 1988 compared to twenty-one during the month of November 1988. A total to date of 108 proposals for FY 1989 have been submitted.

The Board noted the gain in research volume and asked Dean Olson about the ratio of proposals resulting in contracts. He replied that one in three or four of our proposals usually become contracts.

Monthly Financial Reports. Mr. Scott provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Six Months Ending December 31, 1988; Colorado School of Mines Auxiliary and Self-Funded Activities for the Six Months Ending December 31, 1988; and Colorado School of Mines Time Deposits and Investment Report, December 31, 1988. It is his belief that the School is operating within the revenues projected for the 1989 fiscal year.

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period December 16, 1988 to January 13, 1989. The Board expressed its appreciation of the Safety Report.

The meeting was adjourned at 9:38 a.m., and the Board went into executive session.


Secretary

January 13, 1989

RECORD OF PROCEEDINGS

Golden, Colorado
February 10, 1989

The Board of Trustees met in regular session on February 10, 1989, at 9:00 a.m.

Trustees present: Ms. Allen, Messrs. Lawler, Pascoe, Schwartzberg, Stott, and Wood.

Absent: Messrs. Miller and Wilson.

Also attending the meeting were President Ansell, Vice Presidents Golden, Nyikos and Scott, Dean Chevront, Mr. Robbins, Executive Director of the CSM Foundation, Dr. Sloan, faculty representative to the Board, other staff members, and visitors.

Mr. Wood presided.

Previous Minutes. The minutes of the meeting held on January 13, 1989, were approved as distributed.

Sabbatical Requests. Dr. Golden informed the Board that Dr. Donald Macalady, Professor of Chemistry and Geochemistry, is requesting a sabbatical leave at one-half pay for the 1989-90 academic year. He plans to spend the year doing research work at the Swiss Federal Institute for Water Resources and Water Pollution Research in Dubendorf, Switzerland, one of the world's premier research organizations in the field of environmental chemistry. Dr. Macalady has been on the faculty since 1982 and has not had a previous sabbatical. His department head, Dr. Daniel, and Dean Gentry support the request.

Dr. Golden told the Board that Dr. Frank Kowalski, Associate Professor of Physics, is also requesting a sabbatical leave at three-quarters pay for the fall semester of the 1989-90 academic year. During the semester he will either work in an industrial laboratory or organize and develop experiments for the modern physics lab recently funded by NSF. Dr. Kowalski has been on the faculty since 1980 and has not had a previous sabbatical. His department head, Dr. Schowengerdt, and Dean Gentry support the request.

Visiting Committees. Dr. Golden recommends that the following person be appointed to the Dept. of Environmental Sciences and Engineering Ecology Visiting Committee as a substitute for Leonard R. Judd of Phelps Dodge Corporation, who is unable to serve on the committee.

J. Steven Whisler
Senior Vice President and General Counsel
Phelps Dodge Corporation
Phoenix, AZ

Dr. Golden informed the Board that several of the invited candidates for the Mathematics Department Visiting Committee are unable to serve. The following names have been suggested as alternates. The first

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two will be invited to serve. If they are unable to serve, the next two will receive invitations.

Judith K. Grange
Vice President
Science Applications, Inc.
Littleton, CO

W. Jeffrey Hart
President
Mapco Petroleum Inc.
Tulsa, OK

Eric R. Ziegel
Senior Statistician
Research Department
Amoco Research Center
Naperville, IL

Ronald L. Iman
Safety and Environmental Studies Division 6415
Sandia National Laboratories
Albuquerque, NM

Dr. Golden recommends that the following candidates be invited to serve on the Visiting Committee for the Department of Petroleum Engineering.

Joe B. Foster, Chairman
Newfield Exploration Company
Houston, TX

Dennis Gregg
General Manager
Conoco, Inc.
Houston, TX

The Board unanimously approved the motion to invite the above-named persons to serve on the visiting committees for the Departments of Environmental Sciences and Engineering Ecology, Mathematics and Petroleum Engineering.

New Faculty Appointments. Dr. Golden presented the report as follows:

Mr. Gary D. Bond Instructor in Mathematics	\$2,500 for the spring semester of the 1988-89 academic year
Mr. Dahono Haryanto Adjunct Instructor of Indonesian in the Dept. of Global Systems and Cultures	\$1,800 for the spring semester of the 1988-89 academic year

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Dr. Marcia L. Huber Adjunct Assistant Professor of Chemical Engineering and Petroleum Refining	\$3,700 for the spring semester of the 1988-89 academic year
Ms. Celia Macedo de Macedo Visiting Assistant Professor of Global Systems and Cultures	No compensation for the spring semester of the 1988-89 academic year
Dr. Elizabeth A. Poe Adjunct Assistant Professor of Humanities and Social Sciences	\$2,500 for the spring semester of the 1988-89 academic year
Mr. Shelby C. Worley Instructor in Mathematics	\$4,000 for the spring semester of the 1988-89 academic year

Continuation of Appointment.

Dr. Henry Babcock Adjunct Professor of Engineering	\$9,000 for the spring semester of the 1988-89 academic year
Dr. Bruce Craig Adjunct Associate Professor of Petroleum Engineering	\$5,000 for the spring semester of the 1988-89 academic year
Dr. Carl Cross Adjunct Professor of Metallurgical and Materials Engineering	\$3,000 for the spring semester of the 1988-89 academic year
Dr. Nicholas E. Douglas Instructor in Engineering	\$8,000 for the spring semester of the 1988-89 academic year
Mr. Lincoln F. Elkins Adjunct Associate Professor of Petroleum Engineering	\$4,228 for the spring semester of the 1988-89 academic year
Mr. Michael J. George Instructor in Engineering	\$3,500 for the spring semester of the 1988-89 academic year
Dr. Richard L. Harlan Adjunct Professor of Geology and Geological Engineering	\$2,000 for the spring semester of the 1988-89 academic year
Ms. Roberta Hodkowski Adjunct Professor of Global Systems and Cultures	\$1,800 for the spring semester of the 1988-89 academic year

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Dr. Hossein Kazemi Adjunct Professor of Petroleum Engineering	\$6,342 for the spring semester of the 1988-89 academic year
Dr. Catherine Kraeger-Rovey Adjunct Assistant Professor of Geology and Geological Engineering	No compensation for the spring semester of the 1988-89 academic year
Dr. Peter J. McCabe Adjunct Associate Professor of Geology and Geological Engineering	\$2,000 for the spring semester of the 1988-89 academic year
Dr. Gordon M. Matheson Adjunct Assistant Professor of Geology and Geological Engineering	No compensation for the spring semester of the 1988-89 academic year
Dr. Fred Meissner Adjunct Professor of Geology and Geological Engineering	\$4,000 for the spring semester of the 1988-89 academic year
Dr. Nalini Mitra Adjunct Professor of Physics	\$7,200 for the spring semester of the 1988-89 academic year
Dr. Thomas Reed Adjunct Professor of Engineering	\$3,500 for the spring semester of the 1988-89 academic year

Reappointment after Interruption.

Dr. David Beaty Adjunct Associate Professor of Geology and Geological Engineering	No compensation for the spring semester of the 1988-89 academic year
Ms. Glenda Buzbee Instructor in Mathematics	\$11,000 for the spring semester of the 1988-89 academic year

Quantitative evaluation reports had been distributed to the Board members prior to the Board meeting.

Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Spring 1989, as of January 31, 1989.

Enrollment - Admissions. Mr. Young had provided the February 1, 1989 Admissions Report and a report on the number of women and ethnic minority students who have applied for the fall semester 1989.

Mr. Spaulding supplied a report on the Spring 1988-89 Enrollment Statistics.

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New Research Awards. Dr. Olson provided a report on new research award volume for January 1989. This month's volume is \$821,805 compared to \$1,024,508 for the same time period in the previous year. This results in a cumulative total for FY 1989 of \$7,044,663, which is \$2,154,366 ahead of the total for the same period in the previous year. Twenty-five different faculty members were involved in nineteen new or add-on project awards.

Twenty-two proposals were submitted in the month of January 1989 compared to nineteen during the month of December 1988. A total to date of 130 proposals for FY 1989 have been submitted.

Monthly Financial Reports. Mr. Scott provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Seven Months Ending January 31, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the Seven Months Ending January 31, 1989; and Colorado School of Mines Time Deposits and Investment Report, January 31, 1989. It is his belief that the School is operating within the revenues projected for the 1989 fiscal year

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period January 13, 1989 to February 10, 1989. The Board expressed its appreciation of the Safety Report.

ATO Request. Mr. Dunn Krahl reviewed the preliminary plans for the ATO house to be constructed on West Campus Road. The Board thanked Mr. Krahl for his presentation and indicated that the matter would be taken up in Executive Session.

Following the discussion in executive session, the Board approved the preliminary plans subject to satisfactory resolution of concerns reflected in a letter written by Mr. Scott to Mr. Krahl, copy of which is appended hereto. The Board also agreed to request that the Colorado School of Mines Foundation negotiate for the purchase of the property currently owned by the ATO organization and located at Seventeenth and Illinois Streets.

Petroleum Engineering Summer Field Session/European Trip. Dr. Craig Van Kirk, Head, Petroleum Engineering Department, introduced Dr. Jim Crafton, Associate Professor of Petroleum Engineering, who explained to the Board that a unique opportunity has presented itself to provide students in the Petroleum Engineering Department with a summer field camp experience in the oil and gas fields of England, the North Sea and Europe. The program will cover a five and one-half week period starting May 15, 1989, including plant, office, laboratory and field visits in five countries for fifty students.

Dr. Crafton discussed the technical content of the program, the companies being visited and the costs involved. Dr. Crafton informed the Board that the students will be required to write technical reports regarding several aspects of the visits, prepare daily short reports on their observations and activities, and provide detailed geologic field notes of the two field studies. Dr. Crafton also discussed the principal reasons for offering such a field camp.

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The Board thanked Dr. Crafton for his report.

Report on Center for Fuels and High Altitude Engine Research.
Dr. Mogens Henriksen, Head, Engineering Department, explained that a facility for performance evaluations of high altitude heavy-duty engines currently does not exist, and, therefore, the effects of using alternate fuels, catalysts, pollution abatement devices and engine modifications in such vehicles cannot be measured. A center such as that proposed is urgently needed. To retain technical objectivity, the proposed facility should preferably be operated by an entity which is independent of engine manufacturers, users and fuel producers. The center will be the first of its kind in the world for high altitude heavy-duty vehicles.

Mr. Bill Sharp, Research Development Officer, discussed the financial aspects of the proposed center and the departments which will be involved. He told the Board that he is very optimistic about obtaining the funding for the center.
reports.

The Board thanked Dr. Henriksen and Mr. Sharp for their reports.

Visiting Committee Reports. Dr. Tom Philipose, Principal Tutor of the McBride Honors Program, responded to questions about the program and the Visiting Committee Report.

Mr. Wood thanked Dr. Philipose for his work.

Dr. Art Kidnay, Head of the Department of Chemical Engineering and Petroleum Refining, discussed his department's Visiting committee Report and responded to questions.

Mr. Wood thanked Dr. Kidnay for his efforts.

The Board unanimously approved the proposed responses to the Visiting Committee Reports for the McBride Honors Program and for the Department of Chemical Engineering and Petroleum Refining.

Dr. Golden told the Board that the Visiting Committee Report for the Department of Physics had been distributed to the Board together with the other two reports. However, the response to that report will be delayed until the March Board meeting.

Sabbatical Report. Gerard P. Martins, Professor of Metallurgical and Materials Engineering, who was on sabbatical from August to December 1987, presented his report. He spent his sabbatical at the University of California at Berkeley in the Department of Materials Science and Minerals Engineering. Prof. Martins discussed his activities while there.

The Board thanked Prof. Martins for his report.

Legislative report. Dr. Nyikos announced that Mr. Stott's appointment to the CSM Board of Trustees was unanimously confirmed by the Senate on February 1.

February 10, 1989


Secretary

Dr. Nyikos reported on other legislative matters.
The meeting was adjourned at 10:40 a.m., and the Board went
into executive session.

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February 10, 1989

Mr. Dunn Krahl
12071 W. 54th Avenue
Arvada, Colorado 80002

Dear Dunn:

This is to inform you that the Board of Trustees in its meeting February 10, 1989 approved the Preliminary Plans for the ATO house to be constructed on West Campus Road, subject to a satisfactory resolution of the concerns reflected below.

1. That a full-scale kitchen be constructed and equipped in compliance with all prevailing building and health codes, or that the fraternity agree to contract with the CSM food service to provide healthful food prepared in sanitary conditions.

2. That the contingency be increased to a minimum of \$30,000 or 10 percent of the estimated construction cost.

It is the opinion of our construction people that costs are shaded to the very low side and that there will be difficulty in completing the building.

3. That we have guarantees that there will be at least a finished lawn and that there will be adequate floor coverings and room furnishings.

4. That the following provision be made for parking: All parking areas will be paved. If the area west of the building is developed for parking, the spaces will be paved as well as the driveway. If it is not developed for parking, that the area will be grassed and protected from parking.

5. That the configuration of the rest rooms, especially the arrangement of the toilets and the showers, be redesigned.

Mr. Dunn Krahl

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February 10, 1989

Should you have questions concerning the interpretation of any of these concerns, I shall be happy to supply additional information.

The Board also agreed to request that the Colorado School of Mines Foundation negotiate for the purchase of the property currently owned by your organization and located at Seventeenth and Illinois. Martin Robbins or Ken Dike will contact you on behalf of CSMF.

Sincerely,

W. G. Scott, Vice President
for Business Affairs

WGS/bh

bcc: Dr. Ansell ✓
Mr. Robbins

RECORD OF PROCEEDINGS

Golden, Colorado
March 10, 1989

The Board of Trustees met in regular session on March 10, 1989, at 9:00 a.m.

Trustees present: Ms. Allen, Messrs. Lawler, Pascoe, Schwartzberg, Stott, Wilson and Wood.

Absent: Mr. Miller.

Also attending the meeting were President Ansell, Vice Presidents Golden, Nyikos, Powers and Scott, Deans Chevront and Olson, Mr. Robbins, Executive Director of the CSM Foundation, Dr. Sloan, faculty representative to the Board, other staff members, and visitors.

Mr. Wood presided.

Previous Minutes. The minutes of the meeting held on February 10, 1989, were approved as distributed.

Board of Trustees Resolution. Dr. Golden stated that the Faculty Senate is in its first year of operation on the CSM campus. The objectives of the Faculty Senate are set forth in Article IV of the Faculty Bylaws which are contained in Appendix A of the current edition of the CSM Faculty Handbook. The specific powers and duties of the Senate are not set forth in the Bylaws and there is a need to set forth a definitive procedure for accomplishing future changes to the Bylaws and to the Handbook as a whole. Dr. Golden requested approval of the following Resolution:

WHEREAS, pursuant to C.R.S. 23-41-104, the control and management of Colorado School of Mines is vested in the Board of Trustees,

BE IT RESOLVED, that the Board of Trustees hereby directs that all future changes in the CSM Faculty Handbook, including any material which shall comprise the appendices of the Handbook, shall require the advance approval of the Board of Trustees.

The Board unanimously approved the proposed Resolution.

Change in Investment Procedures. Mr. Scott informed the Board that the Colorado School of Mines has maintained endowment and quasi-endowment funds at the School and in the custody of United Bank of Denver. The value of the funds at the School was approximately \$474,000 as of February 28, 1989 and the value of the funds at the bank was \$290,000 as of January 31, 1989.

It is recommended that custody of these funds be transferred to CSMF in order to achieve efficiencies in management, reduced expenses and expected improvements in investment performance. The delegation of investment management authority from the Board of Trustees to the Investment Committee of CSMF under C.R.S. 15-1-1101 will remain in effect.

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It is moved that the President and the Treasurer of CSM be authorized to sell, cash or otherwise redeem any and all securities now held, or received in the future as Endowment or Quasi-endowment funds, unless restricted from doing so by the express intent of the donor, and to transfer all proceeds so realized to the Treasurer of the Colorado School of Mines Foundation to be held in custody for the benefit of the Colorado School of Mines, to be invested as directed by the CSMF Investment Committee.

It is further moved that the CSMF Investment Committee be instructed that the Board of Trustees wishes the funds to be invested in a manner similar to that in which the Colorado School of Mines Foundation would invest its funds of this nature and that the income from the investment is to be paid to CSM quarterly according to the terms of the endowment spending limit policy, as agreed upon mutually by the Board of Directors of the Colorado School of Mines Foundation and the Board of Trustees of the Colorado School of Mines, then in effect.

The Board unanimously approved the motions as stated.

Emeritus Appointments. Dr. Golden stated that under the Faculty Handbook (Eleventh Edition, December 1987) requirement of a minimum of ten years of service (at least five of these as full professor), or a minimum of thirty years of service irrespective of rank, the following faculty members qualify to be submitted to the Board of Trustees for emeritus status.

Dr. W. Rex Bull Metallurgical and Materials Engineering	Initial appointment: AY 1967-68. Promotion to Professor: AY 1979-80
Dr. Robert M. Hutchinson Geology and Geological Engineering	Initial appointment: AY 1956-57. Promotion to Professor: AY 1972-73

The Board unanimously approved the request.

Response to Physics Visiting Committee Report. The Board unanimously approved the proposed institutional response to the Physics Visiting Committee Report. Mr. Wood thanked Dr. Schowengerdt for his efforts.

New Faculty Appointments. Dr. Golden presented the report as follows:

Mr. Richard P. Beal Instructor in Physical Education and Athletics	\$6,000 for the spring semester of the 1988-89 academic year
Dr. Duk-Won Park Visiting Professor of Mining Engineering	No compensation for the spring semester of the 1988-89 academic year
Mr. Keith W. Shanley Instructor in Geology and Geological Engineering	\$3,600 for the spring semester of the 1988-89 academic year

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Continuation of Appointment.

Dr. Henry Babcock Adjunct Professor of Engineering	\$9,000 for the spring semester of the 1988-89 academic year
Mr. Edward Coalson Adjunct Associate Professor of Geology and Geological Engineering	\$2,000 for the spring semester of the 1988-89 academic year
Mrs. Thais Silva Adjunct Instructor in Portugese in the Department of Global Systems and Cultures	\$1,800 for the spring semester of the 1988-89 academic year

Reappointment after Interruption.

Mr. Earl Madsen Adjunct Professor of Mineral Economics	\$2,500 for the spring semester of the 1988-89 academic year
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Quantitative evaluation reports had been distributed to the Board members prior to the Board meeting.

Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Fall 1989, as of February 28, 1989.

Enrollment - Admissions. Mr. Young had provided the March 1, 1989 Admissions Report.

Mr. Spaulding supplied a report on the Spring 1988-89 Enrollment Statistics.

New Research Awards. Dr. Olson provided a report on new research award volume for February 1989. This month's volume is \$1,019,230 compared to \$300,341 for the same time period in the previous year. This results in a cumulative total for FY 1989 of \$8,063,893, which is \$2,873,255 ahead of the total for the same period in the previous year. Seventeen different faculty members were involved in fourteen new or add-on project awards.

Sixteen proposals were submitted in the month of February 1989 compared to twenty-two during the month of December 1988. A total to date of 130 proposals for FY 1989 have been submitted.

Monthly Financial Reports. Mr. Scott provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Eight Months Ending February 28, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the Eight Months Ending February 28, 1989; and Colorado School of Mines Time Deposits and Investment Report, February 28, 1989. It is his belief that the School is operating within the revenues projected for the 1989 fiscal year

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Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period February 10, 1989 to March 10, 1989. The Board expressed its appreciation of the Safety Report.

Mr. Stott entered the meeting at this time.

Legislative report. Dr. Nyikos reported on the activities of the Joint Budget Committee and the Colorado Commission on Higher Education.

Mr. Scott responded to Mr. Wood's questions concerning the renovation of Engineering Hall and the fieldhouse.

Development Report. Mr. Powers discussed the CSM Institutional Advancement Statement of Mission and reviewed the Report to the President, CSM Institutional Advancement Corporate Gifts Monthly Report as of February 28, 1989, CSM Institutional Advancement Foundation Gifts Monthly Report as of February 28, 1989, and CSM Institutional Advancement Planned Giving Monthly Report as of February 28, 1989.

Spending Limit for Endowed and Quasi-Endowed Funds for Fiscal 1990. The spending limit is established each year by means of a request made by this Board to the Board of the Colorado School of Mines Foundation. The current limit is 5.5 percent, and it is recommended that it be continued at this level for the next year. The rate is to apply to both CSM and CSMF funds of these types. The Board unanimously approved this recommendation.

The meeting was adjourned at 9:45 a.m., and the Board went into executive session.


Secretary

March 10, 1989

RECORD OF PROCEEDINGS

Golden, Colorado
April 14, 1989

The Board of Trustees met in regular session on April 14, 1989, at 9:00 a.m.

Trustees present: Ms. Allen, Messrs. Lawler, Miller, Pascoe, Schwartzberg, Stott, Wilson and Wood.

Also attending the meeting were President Ansell, Vice Presidents Golden, Nyikos, Powers and Scott, Deans Chevront and Olson, Mr. Robbins, Executive Director of the CSM Foundation, Dr. Sloan, faculty representative to the Board, other staff members, and visitors.

Mr. Wood presided.

Previous Minutes. The minutes of the meeting held on March 10, 1989, were approved as distributed.

SECURITY RESOLUTION. The following resolution was unanimously approved:

Those persons occupying the following positions among the officers and members of the Board of Trustees of the Colorado School of Mines, shall be known as the Managerial Group, having the authority and responsibility for the negotiating, execution, and administration of User Agency contracts, as described in DOD 5220.22-M, "Industrial Security Manual for Safeguarding Classified Information."

George S. Ansell, President, Colorado School of Mines
John O. Golden, Vice President for Academic Affairs
W. Gordon Scott, Vice President for Business Affairs
David L. Olson, Dean of Research
Mary Mittag-Miller, Industrial Security Officer

The Chief Executive and the members of the Managerial Group have been processed, or will be processed, for a personnel security clearance for access to classified information to the level of the facility security clearance granted to this institution, as provided for in the aforementioned Industrial Security Manual.

The said Management Group is hereby delegated all of the Board's duties and responsibilities pertaining to the protection of classified information under classified contracts of the Department of Defense or User Agencies of the Industrial Security Program awarded to the Colorado School of Mines.

The following named officers and members of the Board of Trustees shall not require, shall not have, and can be effectively excluded from, access to all classified information in the possession of the Colorado School of

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Mines, and do not occupy positions that would enable them to affect adversely the policies and practices of the Colorado School of Mines in the performance of classified contracts for the Department of Defense or User Agencies of its Industrial Security Program, awarded to the Colorado School of Mines, need not be processed for a personnel security clearance.

OFFICERS

Donald W. Gentry, Dean of Engineering and Undergraduate Studies

John A. Cordes, Dean of Graduate Studies

Michael S. Nyikos, Vice President for Student Affairs and External Affairs

BOARD MEMBERS

Russell L. Wood, President
Monte Pascoe, Vice President
James C. Wilson, Secretary
Sally V. Allen
Charles E. Stott, Jr.
Fred R. Schwartzberg
Donald E. Miller
David C. Lawler

Admissions Acceptance Fee. Dr. Cordes informed the Board that the Mineral Economics Department has requested permission to require a non-refundable \$250.00 admissions acceptance fee. This fee would be imposed on all newly-admitted graduate students to reserve a place in the next entering class. This fee would be automatically credited toward the tuition obligations of the student when he/she registers. Fully funded students can use the fee as credit toward CSM's mandatory student fees or request a refund.

The Graduate Council and Dean of Graduate Studies support this request on a trial basis.

The concept is consistent with marketing theory and practice which emphasizes the importance of affirmative commitment toward major investments of time and money. The admissions fee concept is spreading rapidly in graduate programs nationwide as is highly recommended by most graduate school recruiting/admissions consulting groups.

It has the added advantage of improving enrollment projections because, where implemented, the yield rate has increased significantly.

The Board unanimously approved the implementation of the fee for a two-year trial period.

Visiting Committees. Dr. Golden informed the Board that based on discussions with Dr. Philipose of the McBride Honors Program, he is recommending that the following persons be invited to serve on the Visiting Committee for the McBride Honors Program.

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Donald A. Beattie
Consultant in domestic and international energy
and space technology, residing in Washington, D.C.

Kay Howe
Vice Chancellor for Academic Affairs at the
University of Colorado, Boulder.

William A. Preston
Owner of APM, Inc., which manufactures plastic pieces
for airplane control panels and is currently producing
products of wine-making. The company imports cork and
manufactures glass bottles and all parts needed for
bottling and aging wine.

Thomas W. Rollins
Senior Vice President, Exploration
Pago Producing Company
Houston, Texas

Rustum Roy
Interdisciplinary material research educator
Director of the Materials Research Laboratory at
Pennsylvania State University.

Dr. Golden recommended that Tucker H. Adams, economist, and John T. Chandler, who has spent his entire career in the petroleum and banking fields, be alternates in case one of the above candidates is not able to serve on the committee.

The Board unanimously approved Dr. Golden's recommendations.

Dr. Golden informed the Board that the Engineering Department would like approval to add Dr. Ronald H. Cox, a CSM alum who is employed by Texas Instruments, to its visiting committee.

The Board unanimously approved this request.

New Faculty Appointments. Dr. Golden informed the Board that there are no signed contracts on which to report at this time.

Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Fall 1989, as of March 31, 1989.

Enrollment - Admissions. Mr. Young had provided the April 1, 1989 Admissions Report.

New Research Awards. Dr. Olson provided a report on new research award volume for March 1989. This month's volume is \$817,097 compared to \$1,034,704 for the same time period in the previous year. This results in a cumulative total for FY 1989 of \$8,880,990, which is \$2,655,648 ahead of the total for the same period in the previous year. Twenty-three different faculty members were involved in nineteen new or add-on project awards.

April 14, 1989

RECORD OF PROCEEDINGS

4

Seventeen proposals were submitted in the month of March 1989 compared to sixteen during the month of February 1989. A total to date of 163 proposals for FY 1989 have been submitted.

Monthly Financial Reports. Mr. Scott provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Nine Months Ending March 31, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the Nine Months Ending March 31, 1989; and Colorado School of Mines Time Deposits and Investment Report, March 31, 1989. It is his belief that the School is operating within the revenues projected for the 1989 fiscal year

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period March 10, 1989 to April 14, 1989. The Board thanked Mr. MacPherson for his report.

Development Report. Mr. Powers provided the following reports prior to the Board meeting: Report to the President, CSM Institutional Advancement Corporate Gifts Monthly Report as of March 31, 1989, CSM Institutional Advancement Foundation Gifts Monthly Report as of March 31, 1989, and CSM Institutional Advancement Planned Giving Monthly Report as of March 31, 1989.

Sabbatical Report. Dr. Joseph D. Sneed, Professor of Humanities and Social Sciences, who was on sabbatical during the 1987-88 academic year at one-half pay, presented his report.

Mr. Wood thanked Dr. Sneed for his report.

Retention Report. Dr. Chevront presented the report and reviewed the goals for retention of students at CSM.

Mr. Wood thanked Dr. Chevront for his report.

Legislative Report. Dr. Nyikos reported on the activities of the Legislature and informed the Board that the Legislature will adjourn on May 12.

President Ansell discussed the activities of the CCE and informed the Board that Michael Cheroutes will be the Chairman next year.

Renovation of Engineering Hall. Dr. Golden introduced Mr. Robert L. Clearwater, CSM Manager of construction and Engineering, who had provided a booklet which discussed the completion of the Design Development Phase of the renovation of Engineering Hall. The project is on schedule, with bids expected in late summer and occupancy in the late spring of 1990. As this time, the budget is \$16,770.00 below the appropriation.

Following Mr. Clearwater's presentation, the Board unanimously approved the work to date and granted permission to proceed with the Construction Document Phase of the project.

BOT Planning Conference. Dr. Golden reviewed the preliminary agenda for the conference.

April 14, 1989

April 14, 1989

Secretary

Donald R. Wood

The meeting was adjourned at 10:10 a.m., and the Board went into executive session.

RECORD OF PROCEEDINGS

RECORD OF PROCEEDINGS

Golden, Colorado
May 11, 1989

The Board of Trustees met in regular session on May 11, 1989, at 1:30 p.m.

Trustees present: Ms. Allen, Messrs. Joseph, Lawler, McNulty, Pascoe, Stott, and Wood.

Absent: Mr. Miller.

Also attending the meeting were President Ansell, Vice Presidents Golden, Nyikos, Powers and Scott, Deans Chevront and Olson, Mr. Robbins, Executive Director of the CSM Foundation, Dr. Sloan, faculty representative to the Board, other staff members, and visitors.

Mr. Wood presided.

Oath of Office. Oaths of office were administered to Trustees Joseph, McNulty and Wood and were properly executed by them.

Previous Minutes. The minutes of the meeting held on April 14, 1989, were approved as distributed.

Mr. Wood welcomed Mr. R. Maurice Tripp, a member of the Class of 1939.

Requests for Sabbatical Leave. Dr. Golden informed the Board that Dr. Thomas Philipose, Professor of Humanities and Social Sciences, who joined the faculty in 1972 and who has had no previous sabbatical leave, has requested a sabbatical leave for the 1989-90 academic year at one-half pay. Dr. Philipose will work on the staff of the Commission on Engineering and Technical Systems of the National Academy of Sciences. Dr. Eckley and Dean Gentry approve of this request.

Dr. Golden told the Board that Dr. Ramona Graves, Associate Professor of Petroleum Engineering, who joined the faculty in 1981 and who has had no previous sabbatical leave, has requested sabbatical leave for the fall semester of the 1989-90 academic year at three-fourths pay. Dr. Graves will use this time to develop her research program. Dr. Van Kirk and Dean Gentry approve of this request.

Dr. Golden recommends approval of both of these requests.

The Board unanimously approved the sabbatical requests for Drs. Philipose and Graves.

Request to CSM Foundation. Dr. Golden informed the board that each year at this time CSM makes a formal request to the Foundation for support of the school's activities. This support has been used for undergraduate financial aid, faculty recruiting, faculty improvement, graduate recruiting, and support of the President's Office. Last year \$351,000 was requested and approved by the Foundation. This amount included \$51,000 for legislative services support. This year the School is requesting a total of \$355,000 which includes an increase for legislative services support.

RECORD OF PROCEEDINGS

The Board unanimously approved the request.

Candidates for Degrees. Distribution was made of lists of candidates for degrees as recommended by the regular and graduate faculties.

Upon motion made, seconded and unanimously passed, the candidates whose names appear on the lists appended hereto were approved for degrees on the dates specified, subject to the completion of all academic requirements and continued compliance with school requirements and regulations.

1989-90 Operating Budget and Fees. Mr. Scott had distributed copies of the Operating Budget, Rates for Tuition and Fees and Room and Board, copies of which are appended hereto.

The Board unanimously approved the 1989-90 Operating Budget, Tuition and Fees, Room and Board.

Visiting Committee. Dr. Golden informed the Board that the Chemistry and Geochemistry Department would like to have the following person approved to be a part of its committee:

Professor H. L. Barnes
Head, Ore Deposits Research Section
Department of Geosciences
235 Deike Building
The Pennsylvania State University
University Park, PA 16802

The Board unanimously approved the request.

Piece of Property for Cellular Telephone Installation. Mr. Scott informed the Board that U.S. West Cellular has requested a lease on a small plot of land owned by CSM near Iariat Trail Road on Lookout Mountain. Details of the lease and location are to be finalized by further negotiation. The company has requested that the board consider the matter and if appropriate give its consent, in principal, so that planning may continue during the month of May. Preliminary discussions between the School and the company have reached an understanding that the initial term of the lease will be five years and that renewals will be granted subject to CSM's need for the property.

The Board unanimously approved, in principal, the lease with U.S. West Cellular, subject to negotiation of satisfactory terms by the administrative staff.

Mr. Pascoe entered the meeting at this time.

New Faculty Appointments. Dr. Baldwin presented the report as follows:

RECORD OF PROCEEDINGS

Dr. John J. Moore Head and Professor of Metallurgical and Materials Engineering	\$60,000 for the 1989-90 academic year
Dr. Dennis W. Readey Herman F. Coors Distinguished Professor of Ceramic Engineering and Professor of Metallurgical and Materials Engineering	\$85,000 annual salary, July 1, 1989-May 11, 1990

Reappointment after Interruption.

Mr. Richard P. Beal Assistant Professor of Physical Education and Athletics	\$25,000 for the 1989-90 academic year
Dr. Elliot L. Brown Adjunct Associate Research Professor of Metallurgical and Materials Engineering	No compensation for the period May 1, 1989 - April 30, 1990
Mr. Michael J. Zanski Instructor in Physical Education and Athletics	\$20,000 for the 1989-90 academic year

Administration.

Mr. Roger A. Koester Director of Financial Aid	\$47,000 annually, appointed for the period April 10, 1989 - August 31, 1990
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Quantitative evaluation reports had been distributed to the Board members prior to the Board meeting.

Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Fall 1989, as of April 28, 1989.

Enrollment - Admissions. Mr. Young had provided the May 1, 1989 Admissions Report.

New Research Awards. Dr. Olson provided a report on new research award volume for April 1989. This month's volume is \$947,477 compared to \$670,626 for the same time period in the previous year. This results in a cumulative total for FY 1989 of \$9,828,467, which is \$2,932,499 ahead of the total for the same period in the previous year. Twenty-one different faculty members were involved in nineteen new or add-on project awards.

Twenty-six proposals were submitted in the month of April 1989 compared to seventeen during the month of March 1989. A total to date of 189 proposals for FY 1989 have been submitted.

RECORD OF PROCEEDINGS

Monthly Financial Reports. Mr. Scott provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Ten Months Ending April 30, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the Ten Months Ending April 30, 1989; and Colorado School of Mines Time Deposits and Investment Report, April 30, 1989. It is his belief that the School is operating within the funds available for the 1989 fiscal year

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period April 14, 1989 to May 12, 1989.

The Board thanked Mr. MacPherson for his report.

Development Report. Mr. Powers provided the following reports prior to the Board meeting: Report to the President, CSM Institutional Advancement Corporate Gifts Monthly Report as of April 30, 1989, CSM Institutional Advancement Foundation Gifts Monthly Report as of April 30, 1989, and CSM Institutional Advancement Planned Giving Monthly Report as of April 30, 1989.

Appointment of CSM Board Member to CSM Foundation Board. Ms. Sally Allen agreed to serve a two-year term on the CSM Foundation Board.

Appointment of CSM Board member to CSM Alumni Association Board. Dr. Terry McNulty agreed to serve an indefinite term on the CSM Alumni Association Board.

Legislative Report. Dr. Nyikos reported that the Legislature has approved the final phase of the funding for the fieldhouse; that \$250,000 has been approved for the high altitude engine laboratory; that the EPICS program has received \$200,000 for the excellence award, and that there is a five-year extended commitment to fund this award, which must be applied for each year. Dr. Nyikos stated that Mines will receive \$10.6 million in operating funds for the 1989-90 fiscal year.

President Ansell reported on the status of the school budget and informed the Board that the CCHE is no longer considering the Ph.D. in mathematics for discontinuance.

Dr. Nyikos reported that the Senate confirmed Trustees Joseph, McNulty and Wood by a vote of 35 to 0.

BOT Planning Conference. Dr. Golden had distributed a draft of the agenda for the 1989 Board of Trustees Planning Conference. Dr. Sloan Commented that the faculty would like to be more involved with the current draft of the Strategic Plan, which provides a portion of the information basis for the Conference. President Ansell responded that there is a serious difference of opinion with regard to the Strategic Plan. It will not be approved at the Conference, only discussed. President Ansell assured Dr. Sloan that there would still be opportunity for additional faculty comment.

Alderson Program Plan. The Board unanimously approved the Alderson Hall Facilities Program Plan. The staff will be directed to submit this plan for review and approval to the CCHE.

RECORD OF PROCEEDINGS

In addition, the Board unanimously approved, for submission to CCHE, a technical modification to the 1985 Facilities Master Plan. The existing plan calls for a total of 833 graduate students including 133 as unclassified. The request is to change that figure (133) to 93 unclassified. The resulting forty graduate placements would be reassigned to Chemical Engineering and Petroleum Refining (ten placements) and to Petroleum Engineering (thirty placements). This modification more closely reflects the historical and present conditions of these programs. Additionally, this modification accommodates projected growth. By modifying the unclassified organizational unit total, all other departments remain unaffected.

Institutional Advancement Budget Presentation. Mr. Powers made the budget presentation.

Institutional Advancement/Campaign Funding. Dr. Golden informed the Board that this issue has been studied by a committee composed of administrators and faculty for the past four months. A committee recommendation has been prepared and has been discussed in a called faculty meeting, a called meeting of administrators and department heads and a meeting of the Faculty Senate; however, the campus community has not had time to fully assess the information. It was agreed that this matter will be placed on the June 8 Board agenda.

The meeting was adjourned at 3:20 p.m., and the Board went into executive session.


Secretary

May 11, 1989

BACHELOR OF SCIENCE
(Mining Engineering)

Ernesto Leopoldo Ahnert
Kathleen Marie Kelleher
Roland Alfred Kyllmann
Kathleen Denise Steele
Eric James White

BACHELOR OF SCIENCE
(Metallurgical & Materials Engineering)

Gerald Charles Anzalone, III
Steven Gary Barela
Dale Lemont Bender
Guy A. Brada
Richard Earl Class, IV
Tom R. Hergert
Janet Sue Hunter
Amy Eileen James
Brenda Sue Kloberdanz
Paul James Kyed
William David Lebherz
William Joseph Martin
Jeffrey Alan McClain
Richard Joseph Schepis
Julie Ann Smith
Steven David Sparkowich
Terrence Neil Thom
Stacy Yurika Uyeda
Scott E. White

BACHELOR OF SCIENCE
(Geological Engineering)

Geoffrey Michael Arbogast
Shun-Ping Chau
Eugene Augustine Collins
Frank Angelo D'Agnese
Colin McKinley Engle
John Gimurtu
Roberta F. Hager
Robin Noel Heim
Stephen Scot Laudeman

BACHELOR OF SCIENCE
(Geological Engineering) Continued

James Baird Nelson
Rosa Cecilia Vargas
Rhonda Lee White
Betty Jane Wilt

BACHELOR OF SCIENCE
(Petroleum Engineering)

Fuad I. Al-Awadhi
Matthew Erskine Donohue
James Jody Helbling
George Steven Hofmann
Richard Ralph Keagy
Michael Patrick Long
Hartawan Tjahjosurjo Prabowo
Gregory Tyrell Rudolph
Deidre A. Shea
John Allen Sherritt
Marc Thomas
Randy L. Valencia
Ann Verzeletti

BACHELOR OF SCIENCE
(Chemical & Petroleum-Refining Engineering)

Ahmad Sopian Abdul Latif
Remo Antonio Baptista
Scott Edward Biagiotti
Christopher Daniel Camino
Lewis Edward Chandler
Galen L. Coupe
Tina Lara Crabtree
Dino Anthony Domenico
Muslimah Endut
Jordan Michael Fox
Maria Teresa Gonzales
Koreen Suzanne Guillermo
Mohd Jamal Haron
Jinyemon Hayashi
Bryan Julius Kinderman

CLASS OF 1989
GRADUATING SENIORS
May 12, 1989

BACHELOR OF SCIENCE (Continued)
(Chemical & Petroleum-Refining Engineering)

Kamal Arifin Mat Yasin
Abdul Jalil Mustapa
Jody Lee Perry
Lorinda Ann Rewerts
Carlos Enrique Rolandelli
Jeffrey Scott Sawrey
Scot Theodore Schamp
Don J. Sorensen, Jr.
Joseph Edward Staton
James Michael Stump
Tracy Lynn Vowel
Wan Azuah Wan Mohd Radzi
Marshall John Wells, II
Christopher J. Wong
Mustafa Kamal Yahya

BACHELOR OF SCIENCE
(Geophysical Engineering)

Robert Louis Elliott
Matthew William Erker
Stuart Kinichi Koyanagi
Timothy Edgar Michel
Aksel L. Quintus-Bosz

BACHELOR OF SCIENCE
(Chemistry)

Zawiyah Dzulkifli
Mahani Mamat
Noorhanita Mohd Noordin

BACHELOR OF SCIENCE
(Mathematics)

Sherri Elizabeth Anzlovar
Jeanne Marguerite Barnett
Karri E. Carter
Michael Edward Edlin
Paul Bradley Engel

BACHELOR OF SCIENCE
(Mathematics) Continued

Susan A. Gager
Michael John Querard
Alan David Rock
Parker Damon Smart
*Phuong Paul Tran

BACHELOR OF SCIENCE
(Engineering Physics)

Andrew Michael Bono
Adelaida Gaviria
Thomas Michael Haard
Andrew Charles Head
Craig Henry Marshall
William Edwin McMahon
Daniel J. Reiley
Richard Ward Schottler
Roderick Winter Sidwell
Eric Byron Smith
*Phuong Paul Tran
Michael James Wasinger
Michael Joseph Young

BACHELOR OF SCIENCE
(Engineering)

Nathan Scott Abelein
Anuar Bin Ali
Douglas Gene Barr
Kevin Robert Blair
Peter Bonk, III
John Martin Brozovich
Tony Christopher Ciaffoni
Christopher John DeAndrea
Gregory Joseph Dietz
Jimmy Lin Dodge
Stefan Drewes
Timothy L. Erickson
Shamsul Bahri Hussein

CLASS OF 1989
GRADUATING SENIORS
May 12, 1989

BACHELOR OF SCIENCE
(Engineering) Continued

Peter Todd Hutchinson
Michael Dean Irvin
Barbara Diane Kading
David Bradley Koch
Gerald Bradley Konst
James David Lane
John Jerome Lenhart
Michael Scott Lichtwardt
Michael William Longshaw
Edward Lewis Perry Lyon
Andrew Bruce McDonald
Richard Everett Miller, Jr.
David Roger Minke
Mari Miyachi
David Joseph Mulligan
Hung H. Nguyen
Andrew Demme Roy Nichols
Mark Jerome Oberley
Charles Oliver Oldaker
EunSuk Park
Paul Edward Pastore
John Howard Rheinheimer
Betsy L. Ryan
Joseph Anthony Sanchez
Larry Joseph Schaecher
John David Schneider
Wesley Austin Smith
Andrew Dale Stewart
Charles Rynold Svoboda
Jeffrey David Thomas
Suzette Ann Thompson
Eric Steven Thurston
Anthonius Willem Vervloet
Anthony Eloy Vigil
Arthur T. Willden
Shannon GLen Wright

CLASS OF 1989
GRADUATING SENIORS
June 23, 1989

BACHELOR OF SCIENCE
(Petroleum Engineering)

Fethi Fetten
Ross Lloyd MacFadyen
Beth Carle Mensing
Kevin Lane Midkiff
Steven Leon Newman
Tom J. Walker

BACHELOR OF SCIENCE
(Chemical & Petroleum-Refining Engineering)

Debra Ann DeMayola-de la Fuente
Kimberly Ann Draper
Mohd Borkhan Jaffar
Patricia Ann Lobel
Paul Michael Veatch
Stephen Brent Vigil

BACHELOR OF SCIENCE
(Chemistry)

Linda Nadine Bliss

BACHELOR OF SCIENCE
(Engineering)

John Allen England
Stephen Patrick Newman
Mark Eugene Zitterich

CLASS OF 1989
GRADUATING SENIORS
August 11, 1989

BACHELOR OF SCIENCE
(Mining Engineering)

Ment Floor Dijkhuizen
John Carlton Dinsmoor
Ross Reynolds Webb

BACHELOR OF SCIENCE
(Metallurgical & Materials Engineering)

Tamara Louise Angel

BACHELOR OF SCIENCE
(Petroleum Engineering)

Bradley Gene Baker
Gary Evans Grove
Craig Allen Rosenbaum
Stephen L. Trese
Paul Roman Williams

BACHELOR OF SCIENCE
(Chemical & Petroleum-Refining Engineering)

Shamsawi Ahmad
Rodney Brent Griffin
Diane Marie Herrera-Johnson
Antonio Angel Inserni
Azhari Bin Othman

BACHELOR OF SCIENCE
(Chemistry)

Laura Ann Laffoon

BACHELOR OF SCIENCE
(Mathematics)

Julie Ann Edlund

BACHELOR OF SCIENCE
(Engineering)

Razali Abdul Hamid
Christos Isidoros Ismailidis
Jonathan J. Jambor
Jeffrey John Meskill
James Michael Osterfoss
Yamal Elias Rima
Amy Lynn Swiecichowski
Vincent Joseph Wegher

CLASS OF 1989
GRADUATING SENIORS
August 18, 1989

BACHELOR OF SCIENCE
(Chemical & Petroleum-Refining Engineering)
Victoria J. Marizcurrena

April 18, 1989

MASTER OF ENGINEERING

MASTER OF SCIENCE

May 12, 1989

MINING ENGINEERING DEPARTMENT

Dr. Miklos D. G. Salamon,
Department Head

Master of Engineering
(Engineer of Mines)

Kirk Haley McDaniel

Denver, Colorado

METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT

Dr. William D. Copeland,
Department Head

Master of Science
(Metallurgical Engineering)

Cynthia L. Beech
Curtis Gerard Glenn
Kathy Marie Swan
Robert Rodney Yorgason III

Middletown, Ohio
Trinidad and Tobago
Beaumont, Texas
Colorado Springs, Colorado

GEOLOGY AND GEOLOGICAL ENGINEERING DEPARTMENT

Dr. Samuel S. Adams,
Department Head

Master of Engineering
(Geological Engineer)

Keith Stewart Davidson
Greg David Naugle

Golden, Colorado
Colorado Springs, Colorado

Master of Science
(Geology)

Mark S. Hanson
Drue J. Hardy
David L. Kelley
Blase A. Leven
David C. Proudlove
Redy U. Zahar

Lakewood, Colorado
Calgary, Alberta, Canada
Aurora, Colorado
Walnut Creek, California
Penrith, England
Jakarta, Indonesia

PETROLEUM ENGINEERING DEPARTMENT
Dr. Craig W. Van Kirk,
Department Head

Master of Science
(Petroleum Engineering)

Catherine Lee Krajicek
Scott King Laudeman
Adil Mohammed Noman
Ali Abdulkader Shinta
Scott E. Shipley

Fort Collins, Colorado
Denver, Colorado
Collinsville, Oklahoma
Maissan, Iraq
Wayne, New Jersey

CHEMICAL ENGINEERING AND PETROLEUM REFINING DEPARTMENT
Dr. Arthur J. Kidnay,
Department Head

Master of Science
(Chemical and Petroleum-Refining Engineering)

Wolfgang J. Garcia Barre
Robert F. Cairncross
Donald Richard Day
Robin Michele Hertz
Robert A. Lenahan
Waleed Yousef Musallam
Gregg Morrison Patten

Caracas, Venezuela
Wilmington, Delaware
Littleton, Colorado
Richland, Washington
Tribes Hill, New York
Dhahran, Saudi Arabia
Arvada, Colorado

GEOPHYSICS DEPARTMENT
Dr. Phillip R. Romig, Jr.,
Department Head

Master of Science
(Geophysics)

Wenjie Dong
Michael L. Gurch
Wendy L. Weiland
Jeremy J. Zimmerman

Hebei, China
Greendale, Wisconsin
Greeley, Colorado
Aurora, Colorado

Master of Science
(Geophysical Engineering)

Michael Owen Bower
Stephen Barry Reich
James Moore Starrett

Arvada, Colorado
Orinda, California
Little Switzerland, No. Carolina

CHEMISTRY AND GEOCHEMISTRY DEPARTMENT

Dr. Stephen R. Daniel,
Department Head

Master of Science
(Chemistry)

Stephen A. Erickson

Denver, Colorado

Master of Science
(Geochemistry)

Mahdi A. Abu-Ali
Leslie Suzanne Laudon

Saudi Arabia
Oshkosh, Wisconsin

MATHEMATICS DEPARTMENT

Dr. Ardel J. Boes,
Department Head

Master of Science
(Mathematics)

Gary Dennis Bond

Littleton, Colorado

MINERAL ECONOMICS DEPARTMENT

Dr. John E. Tilton,
Department Head

Master of Science
(Mineral Economics)

Dana J. Cassidy
William Edmund Cobb
Bruce M. Genereaux
Craig Alan Graham
Richard Loren Hewitt
Paul D. Klipfel
Theodore G. Montague
Luka Powanga

Derry, New Hampshire
Englewood, Colorado
Bronxville, New York
Midland, Texas
Denver, Colorado
San Francisco, California
Boulder, Colorado
Ndola, Zambia

ENVIRONMENTAL SCIENCES AND ENGINEERING ECOLOGY DEPARTMENT

Dr. John Emerick,
Acting Department Head

Master of Science
(Ecological Engineering)

David A. Ellerbroek

Bellevue, Nebraska

Master of Science
(Mineral Resources Ecology)

Jacek Stanislaw Blaszczyński
Charles A. Ramsey III
Judith Arlene Schroeder

Krakow, Poland
Denver, Colorado
Boulder, Colorado

MATERIALS SCIENCE PROGRAM

Dr. William D. Copeland
Program Coordinator

Master of Science
(Materials Science)

John David Seitz

Littleton, Colorado

DOCTOR OF PHILOSOPHY

MINING ENGINEERING DEPARTMENT
Dr. Miklos D. G. Salamon,
Department Head

Doctor of Philosophy
(Mining Engineering)

Leslie Sour Gertsch

Urbana, Ohio

METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT
Dr. William D. Copeland,
Department Head

Doctor of Philosophy
(Metallurgical Engineering)

Bernie F. Carpenter
Ildong Choi
Michael Christopher Maguire
Roger A. Nichting

Northglenn, Colorado
Pusan, South Korea
Temple City, California
Peoria, Illinois

GEOLOGY AND GEOLOGICAL ENGINEERING DEPARTMENT
Dr. Samuel S. Adams,
Department Head

Doctor of Philosophy
(Geology)

Sandra S. Brake
Linda Gaye Martin

Wilmont, Minnesota
Pueblo, Colorado

Doctor of Philosophy
(Geological Engineering)

Michael Wedell West

Littleton, Colorado

PETROLEUM ENGINEERING DEPARTMENT
Dr. Craig W. Van Kirk,
Department Head

Doctor of Philosophy
(Petroleum Engineering)

Shawket G. Ghedan

Baghdad, Iraq

GEOPHYSICS DEPARTMENT
Dr. Phillip R. Romig, Jr.,
Department Head

Doctor of Philosophy
(Geophysics)

Sebastien Raphael Geoltrain
Christopher Lee Liner
Ming-Tar Lu

Paris, France
Fayetteville, Arkansas
Taiwan, R.O.C.

CHEMISTRY AND GEOCHEMISTRY DEPARTMENT
Dr. Stephen R. Daniel,
Department Head

Doctor of Philosophy
(Applied Chemistry)

Boyce W. Logsdon

Mead, Colorado

PHYSICS DEPARTMENT
Dr. Franklin Schowengerdt,
Department Head

Doctor of Philosophy
(Applied Physics)

David James Hannaman

Littleton, Colorado

MINERAL ECONOMICS DEPARTMENT
Dr. John E. Tilton,
Department Head

Doctor of Philosophy
(Mineral Economics)

✓ Steven Scott Bailey
Matthew J. Hrebar III
Roger Stephen Hutchison
Isabel ✓ Hwang, Kee Hyung
✓ Connie Kenward
✓ Mbikusita Wamundila
Mbikusita-Lewanika
Diana Lesley Moss
✓ Gysbert J. Wessels
✓ Jeffery Gautier Wilkinson

Evergreen, Colorado
Indian Hills, Colorado
Golden, Colorado
Seoul, Korea
Lone Jack, Missouri
Zambia
Albuquerque, New Mexico
Johannesburg, South Africa
Lillian, Alabama

MATERIALS SCIENCE PROGRAM
Dr. William D. Copeland,
Program Coordinator

Doctor of Philosophy
(Materials Science)

Michael John Cusick

Colorado Springs, Colorado

PROFESSIONAL DEGREE

GEOLOGY AND GEOLOGICAL ENGINEERING DEPARTMENT
Dr. Samuel S. Adams,
Department Head

Professional Degree
(Engineering Geology)

Larry Alan Wilcox

Denver, Colorado

GEOPHYSICS DEPARTMENT
Dr. Phillip R. Romig, Jr.,
Department Head

Professional Degree
(Geophysics)

Kyle R. Kreigh

Columbia, Missouri

CSM
BOARD OF TRUSTEES
AGENDA ITEM

Date of Meeting 5-12-89
Item Number 1(e)
Presented By Gordon Scott

Subject:

1989-90 Operating Budget, Tuition & Fees, Room & Board

Background Information:

Attached is 1989-90 Operating Budget, with accompanying rates for Tuition & Fees, Room & Board

A cover sheet is attached to the budget materials, which highlights the various elements of the budget.

Action/Motion Requested:

Approval of the Operating Budget, Rates for Tuition & Fees, Room & Board.

HIGHLIGHTS
1989-90 BUDGET

INCOME

General Fund

The statewide increase was 6.5 percent. The distribution formula, driven in part by reduced enrollments at CSM, allocates an amount for CSM reduced from last year's \$11,139,000.

Tuition

Revenues are based on a 6 percent rate increase applied to both resident and nonresident students, with a fall headcount of 2375.

Indirect Cost Recoveries

Based on estimated research activity to be performed in FY 90.

Other Cash

Reflects an augmentation of \$60,000 from off-campus instructional programs.

Sponsored Programs

Reflects expected new revenues in each of the columns.

Prior Year Roll Forward

Reflects the estimate of funds to be rolled forward from FY 89 in each of the columns.

EXPENSE

Total Faculty

5 percent salary increase is proposed.

Faculty Charge-Outs

Comprised of faculty effort charged to research during the academic year, and reduces the net cost of the instructional faculty.

Administrative Faculty

5 percent faculty increase proposed.

Classified Staff

Reflects compensation increase as specified by State authorities.

Graduate Assistants

Provides teaching assistants 4 percent increase.

Hourly Compensation

Increased by 4 percent.

Operating Expense and Travel

Extends this year's operating base and includes estimated funds to be rolled forward in departments.

Library Books and Journals

Adds \$60,000 to this year's budget.

Utilities

Increased by 3.5 percent.

Financial Aid

Increases CSM awarded funds to \$1.2 million by relying on E&G and CSMF funds.

Research Development

Initial funding level; consideration to be given to additional funding later in the fiscal year.

Payments to State Agencies

Continues at this year's base.

Reserve Unallocated

To be held in case of rescission, revenue shortfalls, or additional need for expenditures.

1990-91

The 1990-91 pro formas are furnished to demonstrate that revenue projections will provide for continued services at a reasonable level.

	PROPOSED 1989-90 FINANCIAL PLAN						CSMF Loans	Restricted CSM	Agency Funds	Auxiliaries	Combined	COMMENTS
	State Appropriated	Sponsored Research (Direct)	CSMF Endowed/ Restricted	CSMF Unendowed/ Restricted	CSMF Unendowed/ Unrestricted	Total Direct CSMF Support						
INCOME:												
Education & General												
General Fund	\$10,672,449										\$10,672,449	Higher Ed appropriation = 6.5%
Tuition	11,270,241										11,270,241	+6.0%
Ind Cost Recoveries	2,100,000										2,100,000	
Other Cash	260,000										260,000	
Sponsored Programs		\$9,300,000	871,000	950,000	\$300,000	\$2,121,000	767,000	1,166,220	682,000		14,036,220	
Auxiliaries									\$4,810,000		4,810,000	
Prior Yr Roll Forward	485,709		625,000	3,500,000	469,879	4,594,879			10,000		5,090,588	
TOTAL INCOME	\$24,788,399	\$9,300,000	1,496,000	4,450,000	\$769,879	\$6,715,879	767,000	1,166,220	682,000	\$4,820,000	\$48,239,498	
EXPENSE:												
Total Faculty												
Avg Compensation	\$51,465	\$51,465	51,465	51,465	\$51,465	\$51,465						5.0% sal increase
FTE	201.3	55.5	0.00	0.00	0.0	0.0					256.8	
Total Compensation	10,359,905	2,856,308	0	0	0	0					\$13,216,212	
Faculty Charge-outs												
Avg Compensation	51,465											
FTE	(9.5)										(9.5)	
Total Compensation	(488,918)										(488,918)	
Admin Faculty												
Avg Compensation	53,700											5.0% sal increase
FTE	31.5										31.5	
Total Compensation	1,691,550										1,691,550	
Classified Staff												
Avg Compensation	31,434	31,434	31,434	31,434		31,434						+4.6% comp increase(base-to-base)
FTE	188.7	14.5	0.00	0.00		0.0					203.2	(6/30/88 compared to
Total Compensation	5,931,596	455,793	0	0		0					6,387,389	FY 90 projections)
Graduate Assistants												
Avg Compensation	31,751	31,751	31,751	31,751	31,751	31,751						+4.0%
FTE	33.2	68.5	0.00	0.00	3.1	3.1					104.8	
Total Compensation	1,054,133	2,174,944	0	0	98,428	98,428					3,327,505	
Hourly												
Avg Compensation	11,540	11,540	11,540	11,540		11,540		11,540				+4.0%
FTE	15.0	33.0	0.00	0.00		0.0		8			56.0	
Total Compensation	173,100	380,820	0	0		0		92,320			646,240	
Operating Expense/Travel	2,526,949	2,492,836			80,000	80,000		42,800			5,142,585	
Program Support					130,000	130,000					130,000	
Departmental Support						0					0	
Library Books/Journals	535,365					0					535,365	+60K
Utilities	1,251,420										1,251,420	+3.5%
Financial Aid												
Undergrad-State	877,480					0		943,200			1,820,680	
Grad-State								87,900			87,900	
Undergrad-Other			650,000	400,000	172,520	1,222,520	767,000		682,000		2,671,520	
Grad-Other						0					0	
Research Development	600,000					0					600,000	
FTE	3.0										3.0	
Capital Outlay		939,300				0					939,300	
Pymts to St Agencies	138,000										138,000	
Reserve/unallocated	137,819		846,000	4,050,000	288,931	5,184,931				\$50,000	5,372,750	
Auxiliaries										4,770,000	4,770,000	
TOTAL EXPENSE	\$24,788,399	\$9,300,000	1,496,000	4,450,000	\$769,879	\$6,715,879	767,000	1,166,220	682,000	\$4,820,000	\$48,239,498	
TOTAL FTE	463.2	171.5	0	0.0	3.1	3.1	0.0	8.0	0.0	0.0	645.8	

PRO FORMA
1990-91 FINANCIAL PLAN

	State Appropriated	Sponsored Research (Direct)	CSMF Endowed/ Restricted	CSMF Unendowed/ Restricted	CSMF Unendowed/ Unrestricted	Total Direct CSMF Support	CSMF Loans	Restricted CSM	Agency Funds	Auxiliaries	Combined	COMMENTS
INCOME:												
Education & General												
General Fund	\$10,694,518										\$10,694,518	assume Higher Ed increase = 3.0%
Tuition	12,165,046										12,165,046	+6.0% (89-0 = 6% above 88-9)
Ind Cost Recoveries	2,570,000										2,570,000	
Other Cash	260,000										260,000	
Sponsored Programs		\$10,700,000	\$968,000	\$1,425,000	\$300,000	\$2,693,000	\$767,000	\$1,166,220	\$682,000		16,008,220	
Auxiliaries										\$4,810,000	4,810,000	
Prior Yr Roll Forward	0		625,000	2,000,000	288,931	2,913,931				50,000	2,963,931	
TOTAL INCOME	\$25,689,564	\$10,700,000	\$1,593,000	\$3,425,000	\$588,931	\$5,606,931	\$767,000	\$1,166,220	\$682,000	\$4,860,000	\$49,471,715	
EXPENSE:												
Total Faculty												
Avg Compensation	\$53,510	\$53,510	\$53,510	\$53,510	\$53,510	\$53,510						4.5% sal increase
FTE	200.3	61.7	0	0.0	0.0	0.0					262.0	
Total Compensation	10,718,053	3,301,567	0	0	0	0					\$14,019,620	
Faculty Charge-outs												
Avg Compensation	53,510											
FTE	(9.5)										(9.5)	
Total Compensation	(508,345)										(508,345)	
Admin Faculty												
Avg Compensation	56,120											4.5% sal increase
FTE	31.5										31.5	
Total Compensation	1,767,780										1,767,780	
Classified Staff												
Avg Compensation	33,005	33,005	33,005	33,005		33,005						5.0% comp increase
FTE	188.7	15.5	0	0.0		0.0					204.2	
Total Compensation	6,228,044	511,578	0	0		0					6,739,621	
Graduate Assistants												
Avg Compensation	33,021	33,021	33,021	33,021	33,021	33,021						+4.0%
FTE	33.2	75.8	0.0	0.0	3.1	3.1					112.1	
Total Compensation	1,096,297	2,502,992	0	0	102,365	102,365					3,701,654	
Hourly												
Avg Compensation	12,000	12,000	12,000	12,000		12,000		\$12,000				+4.0%
FTE	15.0	36.6	0.0	0.0		0.0		8.0			59.6	
Total Compensation	180,000	439,200	0	0		0		96,000			715,200	
Operating Expense/Travel	2,227,276	2,863,964			80,000	80,000		39,120			5,210,360	
Program Support					117,635	117,635					117,635	
Departmental Support						0					0	
Library Books/Journals	535,365					0					535,365	
Utilities	1,295,220										1,295,220	+3.5%
Financial Aid												
Undergrad-State	931,354							943,200			1,874,554	+5.0%
Grad-State								87,900			87,900	
Undergrad-Other	172,520		325,000		0	325,000	\$767,000		\$682,000		1,946,520	
Grad-Other						0					0	
Research Development	650,000					0					650,000	
FTE	3.0										3.0	
Capital Outlay		1,080,700				0					1,080,700	
Pymts to St Agencies	138,000										138,000	
Reserve/unallocated	258,000		1,268,000	3,425,000	288,931	4,981,931				\$90,000	5,329,931	
Auxiliaries										4,770,000	4,770,000	
TOTAL EXPENSE	\$25,689,564	\$10,700,000	\$1,593,000	\$3,425,000	\$588,931	\$5,606,931	\$767,000	\$1,166,220	\$682,000	\$4,860,000	\$49,471,715	
TOTAL FTE	462.2	189.6	0.0	0.0	3.1	3.1		8.0	0.0	0.0	662.9	

Note: For each 1.0% General Fund increase Higher Ed receives, CSM's share = \$103,830

Proposed
TUITION AND FEES
FY 1989-90

Tuition and fees at CSM are kept at a minimum, consistent with the cost of instruction and the amount of State funds appropriated to the School.

All prices are effective June 1989 and are subject to change without notice.

TUITION

Academic and Field Courses

<u>Semester Hours</u>	<u>Resident</u>	<u>Nonresident</u>
Less than 10	\$ 111/semester hour	\$ 309/semester hour
10 or more	\$1,670/semester	\$4,628/semester

The above are applicable to all academic periods and to both graduate and undergraduate courses.

Other Courses and Programs

Extended Studies - \$111 per credit hour

Executive Program Mineral Economics (incl. fees)	\$11,500
Audit, no credit	6,600

English as a Second Language (ESL):

Summer

Two 4-week sessions \$1,050 each session

Graduate Student Notes

All on-campus graduate students are expected to enroll for a minimum of 15 semester hours of course work and/or thesis each regular semester.

Students employed on a full-time basis outside the School are required to enroll for a minimum of 3 semester hours each regular semester. Evidence of employment must be filed with the Graduate School each semester.

Students doing thesis research in the summer should register for a minimum of 3 semester hours the first week after spring Commencement.

Admissions acceptance charge, Min.Econ. only - \$250 nonrefundable.

FEES - FY 1989-90

Payment of fees entitles students to a ticket to all athletic events; subscriptions to both the Oredigger, the weekly newspaper published by students, and the Prospector, the student yearbook; use of the Student Health Center and Student Center; and participation in student activities.

The Associated Students fee is administered by the Student Council in financing the Oredigger, the Prospector, the band, the chorus, and Interfraternity Council, Barb Council and the student organizations. Budgets for these publications and organizations are set at the beginning of the fall semester by the Student Council.

Regular Semester (Fall/Spring)

During a regular semester, students taking less than 7 credit hours are not required to pay student fees. Any such student, however, wishing to take part in student affairs and receive student privileges may do so by paying full semester fees.

All degree students carrying 7 or more credit hours must pay full student fees as follows:

Health Center*	\$ 36.00
Associated Students	25.00
Athletics	30.00
Student Center	<u>75.00</u>
Total	\$166.00

Nondegree students are not required to pay student fees. Should they wish to receive any of the student privileges provided by fee payment, they may do so by paying full semester (or session) fees. Medical insurance may be purchased without paying the other fees.

Summer Session

Academic Courses

Health Center	\$ 18.00
Athletics	15.00
Student Center Fee	<u>37.50</u>
Total	\$ 70.50

Thesis Research (if on campus)

Health Center	\$ 22.00
Athletics	15.00
Student Center	<u>37.50</u>
Total	\$ 74.50

* An optional medical insurance program is also available. See Student Health Plan below.

Field Courses/Graduate Field Trips

On-Campus: Health Center \$ 11.50

Off-Campus:

Arrangements and payment for transportation, food, lodging and other expenses must be made with the department concerned. (Geology Field Camp costs, including camping and materials, are \$100.)

Miscellaneous Charges:

New Student Orientation/Quick

Start Program/Freshman Hard Hat \$ 16.00

New Stu Orien./Quick Start, \$7
Freshman Hard Hat, \$9
(Hd Hat charge of \$9 can be waived.)

Deposits (cover the cost of supplies consumed,
with any unused balance refunded)

Chem Lab (1st time reg.) \$ 15.00
Plane Surveying 50.00

Graduation (includes theses binding and other expenses)

Bachelors \$ 30.00
Professional Engineers 75.00
Masters 135.00
Doctors 152.00

Graduate Studies Support \$1500.00
(optional for sponsored students)

Student Health Plan (optional for all students)

A medical insurance program is available to all students, both degree and nondegree, who request coverage. An election to accept/waive this insurance must be made at the time of registration. Costs are as follows:

Fall Semester \$107.00*
Spring Semester (provides
coverage through August) 107.00*

Arrangement can be made for coverage of spouse and/or children. The insurance carrier should be contacted directly. The annual fee for coverage is:

Student and Spouse \$452.00*
Student, Spouse and Child(ren) 666.00*
Student and Child(ren) 428.00*

* New rate not yet available.

RECORD OF PROCEEDINGS

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Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period May 12, 1989 to June 8, 1989.

The Board thanked Mr. MacPherson for his report.

Mr. Pascoe entered the meeting at this time.

Election of Officers. Nominations were properly made, seconded, and the following officers were unanimously elected:

Monte Pascoe, President
Sally Allen, Vice President
Charles Stott, Secretary
W. Gordon Scott, Treasurer

Appointment of CSM Board Member to Serve on CSM Foundation Board. Trustee Stott agreed to serve a two-year term on the CSM Foundation Board.

Appointment of CSM Board Members to Serve on CSM Cooperation Committee. Trustees McNulty, Miller and Wood agreed to serve on this committee.

Development Report. Mr. Powers provided the following reports prior to the Board meeting: Report to the President, CSM Institutional Advancement Corporate Gifts Monthly Report as of May 31, 1989; CSM Institutional Advancement Foundation Gifts Monthly Report as of May 31, 1989; and CSM Institutional Advancement Planned Giving Monthly Report as of May 31, 1989.

Visiting Committee Reports. Copies of the reports from the Mineral Economics, Mining, Humanities and Social Sciences, Engineering, Mathematics and Geology Visiting Committees were distributed to the Board members for their information.

Institutional Advancement/Campaign Funding. This matter was discussed by the Board at its May meeting. The issue has been studied by a committee composed of administrators and faculty and a recommendation has been prepared. The matter has been discussed in a called meeting of the faculty and in a called meeting of administrators and department heads. It was scheduled for discussion at the May 30 meeting of the Faculty Senate. However, because members of the press attended that meeting the discussion of this matter was not held.

The matter was discussed by President Ansell. No action was taken by the Board.

Legislative Report. Dr. Nyikos informed the Board that the Legislature has adjourned. He feels that this has been a good year for Mines, and he will be meeting with President Ansell, Bonnie Geiger and Jerry Johnson to discuss the legislative agenda for the future.

RECORD OF PROCEEDINGS

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Dr. Nyikos informed the Board that at the last CCHE meeting the Commission removed the CSM mathematics program from its proposed discontinuance list. CSM has no programs under study at this time.

Dr. Nyikos told the Board that he has accepted the position of Vice President for Student Affairs and Institutional Advancement at Mesa State College and stated that his last day at Mines will be July 12. Mr. Wood, on behalf of the entire Board, thanked Dr. Nyikos for all of his efforts.

The meeting was adjourned at 8:15 p.m., and the Board went into executive session.


Secretary

June 8, 1989

RECORD OF PROCEEDINGS

Golden, Colorado
July 14, 1989

The Board of Trustees met in regular session on July 14, 1989, at 9:45 a.m.

Trustees present: Ms. Allen and Messrs. Lawler, McNulty, Pascoe, Stott and Wood.

Absent: Messrs. Joseph and Miller.

Also attending the meeting were President Ansell, Vice Presidents Golden, Powers and Scott, Deans Chevront, Cordes and Olson, Mr. Robbins, Executive Director of the CSM Foundation, Dr. Sloan, faculty representative to the Board, other staff members, and visitors.

Mr. Pascoe presided.

Previous Minutes. The minutes of the meeting held on June 8, 1989, were approved as distributed.

Security Resolution. The following resolution was unanimously approved:

Those persons occupying the following positions among the officers and members of the Board of Trustees of the Colorado School of Mines, shall be known as the Managerial Group, having the authority and responsibility for the negotiating, execution and administration of User Agency contracts, as described in DoD 5220.22-M, "Industrial Security Manual for Safeguarding Classified Information."

George S. Ansell, President, Colorado School of Mines
John O. Golden, Vice President for Academic Affairs
W. Gordon Scott, Vice President for Business Affairs
David L. Olson, Dean of Research
Mary Mittag-Miller, Industrial Security Officer

The Chief Executive and the members of the Managerial Group have been processed, or will be processed, for a personnel security clearance for access to classified information to the level of the facility security clearance granted to this institution, as provided for in the aforementioned Industrial Security Manual.

The said Management Group is hereby delegated all of the Board's duties and responsibilities pertaining to the protection of classified information under classified contracts of the Department of Defense or User Agencies of the Industrial Security Program awarded to the Colorado School of Mines.

The following named officers and members of the Board of Trustees shall not require, shall not have, and can be

RECORD OF PROCEEDINGS

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effectively excluded from, access to all classified information in the possession of the Colorado School of Mines, and do not occupy positions that would enable them to affect adversely the policies and practices of the Colorado School of Mines in the performance of classified contracts for the Department of Defense or User Agencies of its Industrial Security Program, awarded to the Colorado School of Mines, need not be processed for a personnel security clearance.

OFFICERS

Donald W. Gentry, Dean of Engineering and Undergraduate Studies

John A. Cordes, Dean of Graduate Studies

BOARD MEMBERS

Monte Pascoe, President
Sally V. Allen, Vice President
Charles E. Stott, Jr., Secretary
Anthony L. Joseph
Terence P. McNulty
Donald E. Miller
David C. Lawler
Russell L. Wood

Sabbatical Requests. Ms. Gail Klock, Department of Physical Education and Athletics, has requested a sabbatical leave for the 1989-90 academic year at one-half pay to pursue a doctorate in higher education administration. Professor Allison has approved her request providing she is accepted for admission in the program.

Dr. Timothy Cross, Department of Geology and Geological Engineering, has requested a sabbatical leave at three-fourths pay for the spring semester of the 1989-90 academic year in order to spend the spring semester and summer at the University of Strasbourg, France on a "Distinguished Visiting Professor" program. Dr. Cross will teach and develop research projects during his time away from CSM. Dr. Adams and Dr. Gentry support his request.

Dr. Alexander Kaufman has requested a sabbatical leave at three-fourths pay for the fall semester of the 1989-90 academic year. He will be a lecturer at Charles University in Czechoslovakia on a Fulbright Scholarship. Dr. Romig and Dr. Gentry support this request.

Upon the recommendation of Dr. Golden, the Board unanimously approved the above requests.

Emeritus Appointment. Dr. Golden informed the Board that under the Faculty Handbook (Eleventh Edition, December 1987) requirement of a minimum of ten years of service (at least five of these as a full professor), or a minimum of thirty years of service irrespective of rank, the following faculty member qualifies to be submitted to the Board of Trustees for emeritus status. He is:

July 14, 1989

RECORD OF PROCEEDINGS

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Dr. Harry C. Kent -- Initial Appointment: AY 1956-57
Geology and Geological Engineering -- Promotion to Professor:
AY 1969-70
Director of the Institute for Energy Resource Studies

The Board unanimously approved the request for emeritus appointment for Dr. Kent.

Visiting Committees. Dr. Golden informed the Board that he is requesting approval for the following additions to visiting committees:

Humanities and Social Sciences Visiting Committee

Fred R. Schwartzberg
President
Rocky Mountain Engineering and Materials Technology
Denver, CO

Global Systems and Cultures Visiting Committee

Dr. Roger Eldridge
Associate Director of Sponsored Research
U.S. West, Inc.
Denver, CO

The Board unanimously approved the request.

1990-91 Capital Construction Budget Request. The Board unanimously approved the Capital Construction Budget Request for 1990-91.

University Committees. Dr. Golden informed the Board that the Faculty Senate and the administration have been working through a restructuring of faculty committees. It is felt that there is now a structure that will accommodate the School for the 1989-90 academic year; however, during the year the Senate and the administration will be working out details and fine-tuning the committee structure for replacement of the committees now listed in the Faculty Handbook.

The Board unanimously approved the draft which outlines the restructuring of university committees.

Faculty Senate Committees. Dr. Golden told the Board that the Faculty Senate and the administration have been working through a restructuring of faculty committees. It is felt that there is now a structure that will accommodate CSM for the 1989-90 academic year; however, during the year the Senate and the administration will be working out details and fine-tuning the committee structure for replacement of the committees now listed in the Faculty Handbook.

The Board unanimously approved the draft which outlines the restructuring of Faculty Senate Committees.

Bank Resolutions. Mr. Scott informed the Board that the access resolutions for the Colorado School of Mines Safe Deposit box at First Interstate Bank of Golden and for the Colorado School of Mines Imprest Account at Colorado National Bank - Golden designate as signatories members who are no longer in office.

RECORD OF PROCEEDINGS

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The Board may wish to add two or more of its current members so that business may be conducted in the absence of one or more of the other signatories.

The Board unanimously approved the resolution for Colorado National Bank - Golden, Colorado School of Mines Imprest Account 412100, and the resolution for First Interstate Bank of Golden, Safe Deposit Box 6013.

Resolution - Power of Attorney. Mr. Scott told the Board that the Colorado School of Mines through the action of the Board of Trustees on May 7, 1987 retained the services of Fred S. James & Co. of Colorado, Inc. to act as its agent in monitoring workmen's compensation claims, and the Board further authorized the execution of the required power of attorney.

That firm has now been sold to W. R. Gibbens, Inc., and a new power of attorney is requested by the successor firm.

The Board unanimously authorized the President of the Board of Trustees to execute the power of attorney as described, copy attached.

New Faculty Appointments. Dr. Golden told the Board that there are no new signed contracts to report at this time.

Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Fall 1989, as of June 30, 1989.

Enrollment - Admissions. Mr. Young had provided the JULY 1, 1989 Admissions Report.

New Research Awards. Dr. Olson provided a report on new research award volume for June 1989. This month's volume is \$1,077,806 compared to \$941,465 for the same time period in the previous year. This results in a cumulative total for FY 1989 of \$12,027,299, which is \$3,367,828 ahead of the total for the same period in the previous year. Eighteen different faculty members were involved in eighteen new or add-on project awards.

Eleven proposals were submitted in the month of June 1989 compared to twenty-two during the month of May 1989. A total to date of 222 proposals for FY 1989 have been submitted.

Monthly Financial Reports. Mr. Scott provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Twelve Months Ending June 30, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the Twelve Months Ending June 30, 1989; and Colorado School of Mines Time Deposits and Investment Report, June 30, 1989. It is his belief that the School is operating within the funds available for the 1989 fiscal year.

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period June 9, 1989 to July 14, 1989.

The Board thanked Mr. MacPherson for his report.

July 14, 1989

RECORD OF PROCEEDINGS

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Development Report. Mr. Powers presented the report.

Colorado Academic Library Master Plan. Dr. Gary Pitkin, Director of University Libraries at the University of Northern Colorado and Chair of the Colorado Academic Library Committee; and Ms. Beverly Moore, editor of the third edition of the Colorado Academic Library Master Plan, made a brief presentation.

Report on Petroleum Engineering Department Field Trip. Dr. Jim Crafton reported on the Petroleum Engineering summer field camp in Europe, May 18 - June 23, 1989.

The meeting was adjourned at 10:45 a.m., and the Board went into executive session.

Secretary

July 14, 1989

MEMORANDUM

DATE: July 17, 1989
TO: CSM Foundation Budget and Personnel Committee
FROM: George S. Ansell *G. S. Ansell*
SUBJECT: Administrative Fee Structure

As requested at the last meeting of the CSM Foundation Board of Directors, I am recommending that the Foundation adopt the following administrative fee structure, starting July 1, 1989.

FOR THE FIVE YEARS OF THE CAPITAL CAMPAIGN (FY 1990-1994)

- o Restricted Current Funds. A one-time, administrative fee of 4 percent charged to all restricted funds received after July 31, 1989, to be levied at the time the funds are expended.
- o Existing Endowments. An annual administrative fee of 2 percent to be levied against endowments acquired before August 1, 1989, for each of the five fiscal years 1990 through 1994.
- o New Endowments. An annual administrative fee of 3 percent to be levied against endowments acquired after July 31, 1989, for each of the five fiscal years 1990 through 1994.

FOR THE FIVE YEARS FOLLOWING THE CAPITAL CAMPAIGN (FY 1995-1999)

- o Restricted Current Funds. A one-time, administrative fee of 4 percent charged to all restricted funds received after July 31, 1989, to be levied at the time the funds are expended.
- o New Endowments. An annual administrative fee of 1.5 percent to be levied against endowments acquired after July 31, 1989, for each of the five fiscal years 1995 through 1999.

The various campus groups involved in the planning process believe the proposed fee structure is as fair and equitable as possible. Most importantly, they believe it will provide the Foundation with a secure and relatively stable source of financing for development operations.

COLORADO SCHOOL OF MINES
Interdepartmental Communication

September 13, 1989

To: President George S. Ansell
From: Budget Committee

Subject: Recommended percentage allocations of expected
incremental funds for fiscal year 1991

Based upon information supplied by the Faculty Senate and the Department Heads, the Budget Committee recommends the following budget goals and allocations of expected incremental funding.

Using an assumed incremental funding level of \$2,200,000 from General Fund, indirect cost recoveries and tuition income, the Committee recommends the commitment of funds to:

		<u>% of Incremental Funds</u>
Goal 1.		
Meet legislative mandated compensation increases for classified staff	\$300,000	14%
Increase financial aid funding for students to cover tuition increases	380,000	17%
Meet inflationary increases, utility costs	60,000	<u>3%</u>
Total for goal		34%
Goal 2.		
Provide faculty compensation increases for academic and administrative faculty (7% average compensation increase - 5% to meet estimated inflation, 2% to close gap with peer groups)	800,000	37%

Goal 3.

New faculty and instructional equipment (faculty for high-growth departments and equipment to meet accreditation needs)	400,000	19%
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Goal 4.

Additional funds for Library materials	100,000	5%
--	---------	----

Goal 5.

Additions to departmental operating budgets	100,000	5%
--	---------	----

It was agreed by all groups considering the budget that after meeting costs of a fixed nature, faculty compensation increases should be the top priority.

It was further agreed that if the level of expected incremental funding changed significantly, each of the groups would be asked to revisit the goals, priorities and allocations.

WGS/bh

BOARD-LEVEL
BUDGET REQUEST SUMMARY
PERCENTAGE ALLOCATION

Governing Board:

COLORADO SCHOOL OF MINES

Accomplishments/Goals/Objectives

Portion of
FY 1990-91 Request
Increment
Over FY 1989-90

1) Meet increases for classified staff, financial aid and utilities	\$ <u>34%</u>
2) Increase faculty salaries (5% for inflation and 2% to close gap with peer groups)	\$ <u>37%</u>
3) Add faculty for areas of special need and equipment to accreditation requirements	\$ <u>19%</u>
4) Add Library materials	<u>5%</u>
5) Increase departmental operating budgets	\$ <u>5%</u>
	<u>100%</u>
 TOTAL FY 1990-91 REQUEST INCREMENT OVER FY 1989-90 FOR GOVERNING BOARD	 \$ <u> </u>

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

WHAT Colorado School of Mines

Employer Identification No.

a state college having its principal office at

1500 Illinois St., Golden CO 80401

DOES HEREBY APPOINT: W.R. Gibbens, Inc.

P.O. Box 28030

Denver, Colorado 80228

its true and lawful agent and, attorney in fact, with full power and authority to act for said employer in all matters affecting workers' compensation matters before the Colorado State Compensation Insurance Authority (SCIA) and/or any carrier of its workers' compensation insurance.

This power of Attorney authorizes W.R. Gibbens, Inc. to:

1. Receive any and all documents, pertaining to premium notices, claims matters, and notices of hearing.

2. Prepare and submit Employer's First Report of Accident and all other forms required to be submitted by the employer to the Colorado SCIA and/or any carrier of its workers' compensation insurance. Exception of premium payment forms.

3. Consult with employees and agents of the Colorado SCIA and/or carrier of its workers' compensation insurance regarding workers' compensation claims filed by or against the employer.

4. Exercise any statutory rights granted the employer by the Colorado Revised Statutes, as amended, and as may be amended on behalf of the employer.

This power of Attorney excludes any acts which constitute the practice of law.

The power of Attorney may be revoked at any time by the employer by a writing mailed to the Colorado SCIA and/or carrier of its workers' compensation insurance.

IN WITNESS WHEREOF, the said Colorado School of Mines

has caused this instrument to be duly attested by the signature of its duly qualified officer

this 14th day of July, 1989.

Monte Pascoe for Colorado School of Mines
Customer Legal Name

Signature

RECORD OF PROCEEDINGS

Golden, Colorado
September 15, 1989

The Board of Trustees met in regular session on September 15, 1989, at 9:30 a.m.

Trustees present: Messrs. Joseph, Lawler, McNulty, Miller, Pascoe and Wood.

Absent: Ms. Allen and Mr. Stott.

Also attending the meeting were President Ansell, Vice Presidents Golden, Powers and Scott, Deans Chevront, Cordes and Olson, Mr. Robbins, Executive Director of the CSM Foundation, Dr. Brown, faculty representative to the Board, other staff members, and visitors.

Mr. Pascoe presided.

Previous Minutes. The minutes of the meeting held on July 14, 1989, were approved as distributed.

Sabbatical Requests. Dr. Golden informed the Board that three faculty members have requested sabbatical leaves beginning in the spring semester of the 1989-90 academic year. The faculty members are:

Dr. Kenneth W. Edwards, Associate Professor of Chemistry and Geochemistry. Dr. Edwards has requested a sabbatical leave at three-fourths pay for the spring semester of the 1989-90 academic year. Dr. Edwards has been on the faculty at CSM for twenty-six years and has had one previous one-semester sabbatical leave. Dr. Daniel and Dean Gentry recommend approval of this request.

Dr. Robert Frost, Associate Professor of Metallurgical and Materials Engineering. Dr. Frost has requested a sabbatical leave at one-half pay for the 1990 calendar year to teach and do research in the School of Materials Science, University of New South Wales, Sydney, Australia. Dr. Frost has been on the faculty at CSM since 1977 and has never been on sabbatical leave. Dr. Copeland and Dean Gentry endorse this leave request.

Dr. David Spottiswood, Professor of Metallurgical and Materials Engineering. Dr. Spottiswood has requested a sabbatical leave at one-half pay for the 1990 calendar year to teach and do research in the Department of Mineral Processing and Extractive Metallurgy at the School of Mines, University of New South Wales in Sydney, Australia. Dr. Spottiswood has been a member of the faculty at CSM since 1979 and has never been on sabbatical leave. Dr. Copeland and Dean Gentry endorse this leave request.

The Board unanimously approved the requests for sabbatical leave

Faculty Appointments. Dr. Golden informed the Board that Section 5.22 of the Faculty Handbook states:

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Except by specific action of the Board of Trustees, no faculty member will be offered a contract for teaching or administrative duties to be performed on or after September 1 following the employee's 70th birthday (prior to December 31, 1993) unless for Continuing Education courses or sponsored research.

Dr. Golden stated that department heads have requested appointments for the following faculty members under this provision:

Dr. David Updegraff, Chemistry and Geochemistry
Dr. Henry Babcock, Engineering
Dr. Robert M. Hutchinson, Geology and Geological Engineering

The Board unanimously approved the request.

Delegation of Approving Authority for Overseas Travel. Mr. Scott informed the Board that State Fiscal Rules provide for delegation of approving authority for international travel to the Governing Board and/or President of the institutions of higher education. The Director of CCHE has delegated this authority to the Governing Board and President. President Ansell has determined the delegation should be to a vice president.

The Board unanimously approved delegation of the approving authority for international travel to the Vice President for Academic Affairs and in the absence of that person to the Vice President for Business Affairs.

Fee Structure. Mr. Scott told the Board that the Colorado School of Mines Foundation has adopted a set of fees to be imposed on current gift funds, existing endowments and new endowments. The proceeds are to be used in support of the Capital Campaign and fund raising activities which follow. The fees are detailed on the attached memorandum from President Ansell. It is considered desirable for the School to impose identical fees on accounts of the same nature so that funds may be generated to support fund raising and so that the imposition of a fee does not differ for School funds and CSMF funds.

The Board unanimously approved an identical fee structure for CSM funds with the same effective rates, dates and duration as set forth in the attached memorandum.

Budget Goals. Mr. Scott informed the Board that the budget process for the 1990-91 Budget Requests has been modified. Each Governing Board will be asked to identify a limited number of goals to be attained by the application of incremental funding for the request year. By September 15 we must submit to the Office of State Planning and Budget the goals and the percentage of our incremental funding which will be applied to each. In early November, when the reexamination formula is complete and CCHE has determined the amount of the statewide request, these will be converted to dollar amounts. These dollar amounts will be submitted to the Board at its November meeting

The Budget Committee, the Department Heads and the Faculty Senate have prepared recommendations for President Ansell and the Board, copy of which is appended hereto.

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The Board unanimously approved the CSM budget goals.

Existing Program Review Annual Summary Report. A copy of the Report was distributed prior to the Board meeting.

The Board unanimously approved the Report.

Approval of CSM Affirmative Action Plan. Mr. Scott stated that CSM, in preparation for a compliance review by the Office of Federal Contract Compliance, has made substantial revisions to the CSM Affirmative Action Plan. It is believed the modified plan will be approved by the OFCC. A copy of the Affirmative Action plan had been distributed prior to the Board meeting.

The Board unanimously approved the CSM Affirmative Action Plan as revised.

Visiting Committee Responses. Prior to the meeting, the Board had received drafts of responses to the visiting committee reports for the Departments of Humanities and Social Sciences, Mathematics and Mineral Economics.

The Board unanimously approved the proposed responses with suggested revisions.

Visiting Committee Member for Chemistry and Geochemistry. Dr. Golden told the Board that the Chemistry and Geochemistry Department would like to have Mr. Andrew J. Stofan, Vice President, Technical Operations for Martin Marietta Corporation, approved as a member of its visiting committee. He would be on the committee in place of Richard Cook.

The Board unanimously approved the request.

New Faculty Appointments. Dr. Golden presented the report as follows:

New Appointments.

Dr. Wade E. Martin Assistant Professor of Mineral Economics	\$37,000.00 for the 1989-90 academic year
Mr. Julio Parada P. Visiting Assistant Professor of Latin American Studies	No compensation, fall semester of the 1989-90 academic year
Mr. Edward G. Rapp Adjunct Associate Professor of Military Science	No compensation, 1989-90 academic year
Ms. Cheryl Ann Ray Adjunct Assistant Professor of Humanities and Social Sciences	\$2,000 for the fall semester of the 1989-90 academic year
Dr. David M. Wood Assistant Professor of Physics	\$36,000 for the 1989-90 academic year

Reappointment After Interruption

September 15, 1989

RECORD OF PROCEEDINGS

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Ms. Candace S. Ammerman Instructor in Engineering	\$25,000 for the 1989-90 academic year
Mr. Paul L. Anderson Adjunct Assistant Professor of Mathematics	\$18,000 for the 1989-90 academic year
Dr. Frederick B. Bart Adjunct Assistant Professor of Humanities and Social Sciences	\$6,250 for the fall semester of the 1989-90 academic year
Dr. Thomas J. Cook Adjunct Associate Professor of Mineral Economics	\$5,000 for the spring semester of the 1989-90 academic year
Dr. Istvan Dobozi Visiting Professor of Mineral Economics	\$48,000 for the 1989-90 academic year
Dr. James Ely Adjunct Professor of Chemical Engineering and Petroleum Refining	\$7,400 for the 1989-90 academic year
Dr. Lee C. Gerhard Adjunct Professor of Geology and Geological Engineering	No compensation, 1989-90 academic year
Ms. Joanne Greenberg Adjunct Assistant Professor of Humanities and Social Sciences	\$7,500 for the 1989-90 academic year
Dr. Richard L. Harlan Adjunct Professor of Geology and Geological Engineering	\$2,000 for the fall semester of the 1989-90 academic year
Ms. Catherine Kraeger-Rovey Adjunct Assistant Professor of Geology and Geological Engineering	\$3,000 for the fall semester of the 1989-90 academic year
Mr. Patrick A. Madison Adjunct Instructor in Mathematics	\$4,542 for the 1989-90 academic year
Dr. Gordon M. Matheson Adjunct Assistant Professor of Geology and Geological Engineering	\$1,000 for the fall semester of the 1989-90 academic year
Dr. Peter J. McCabe Adjunct Associate Professor of Geology and Geological Engineering	No compensation, fall semester of the 1989-90 academic year
Dr. Thomas J. McInerny Adjunct Associate Professor of Humanities and Social Sciences	\$2,500 for the fall semester of the 1989-90 academic year
Dr. Nalini R. Mitra Adjunct Professor of Physics	\$32,000 for the 1989-90 academic year
Mr. T. J. Reynolds Adjunct Assistant Professor of Geology and Geological Engineering	No compensation, 1989-90 academic year

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Dr. W. Ian Ridley Adjunct Professor of Geology and Geological Engineering	No compensation, 1989-90 academic year
Dr. Reuben J. Ross, Jr. Adjunct Professor of Geology and Geological Engineering	No compensation, 1989-90 academic year
Dr. Robert J. Sterrett Adjunct Associate Professor of Geology and Geological Engineering	No compensation, 1989-90 academic year

Continuation of Appointment

Dr. David Beaty Adjunct Associate Professor of Geology and Geological Engineering	No compensation, 1989-90 academic year
Ms. Glenda Buzbee Adjunct Instructor in Mathematics	\$12,000 for the fall semester of the 1989-90 academic year
Mr. Nicholas E. Douglas Instructor in Engineering	\$12,000 for the fall semester of the 1989-90 academic year
Dr. Robert C. Drury Visiting Assistant Professor of Mineral Economics	\$33,500 for the 1989-90 academic year
Mr. Michael J. George Instructor in Engineering	\$25,000 for the 1989-90 academic year
Mr. Doran Greening Instructor in Engineering	\$20,500 for the 1989-90 academic year
Dr. Duane A. Haugen Adjunct Professor of Mathematics	\$20,000 for the 1989-90 academic year
Ms. Roberta Hodkowski Instructor in English as a Second Language	\$2,200 for the fall semester of the 1989-90 academic year
Mr. Ross R. McClure Adjunct Assistant Professor of Humanities and Social Sciences	\$4,500 for the 1989-90 academic year
Mr. Wayne K. Richmond Adjunct Assistant Professor of Humanities and Social Sciences	\$5,100 for the 1989-90 academic year
Ms. Thais da Silva Instructor in Portuguese	\$2,000 for the fall semester of the 1989-90 academic year

Dr. Golden had provided Quantitative Evaluation Reports prior to the Board meeting.

September 15, 1989

RECORD OF PROCEEDINGS

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Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Fall 1989, as of August 31, 1989.

Enrollment - Admissions. Mr. Young had provided the September 1, 1989 Admissions Report, and Mr. Spaulding provided the Fall 1989-90 Enrollment Statistics (preliminary).

New Research Awards. Dr. Olson provided a report on new research award volume for August 1989. This month's volume is \$681,669 compared to \$841,399 for the same time period in the previous year. This results in a cumulative total for FY 1990 of \$1,539,480, which is \$388,465 behind the total for the same period in the previous year. Thirty different faculty members were involved in twenty-two new or add-on project awards.

Eleven proposals were submitted in the month of August 1989 compared to twelve during the month of July 1989. A total to date of twenty-three proposals for FY 1990 have been submitted.

Monthly Financial Reports. Mr. Scott provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Two Months Ending August 31, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the Two Months Ending August 31, 1989; and Colorado School of Mines Time Deposits and Investment Report, August 31, 1989. It is his belief that the School is operating within the funds available for the 1990 fiscal year.

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period July 14, 1989 to September 15, 1989.

The Board thanked Mr. MacPherson for his report.

Development Report. Mr. Powers provided the following monthly reports prior to the Board meeting: Report to the President; Corporate Gifts Monthly Report as of June 30, 1989; Foundation Gifts Monthly Report as of June 30, 1989; and Planned Giving Monthly Report as of June 30, 1989.

Mr. Powers announced the resignation of Ms. Ellen Glazerman as Director of the Mines Annual Fund, and the appointment of Ms. Laura Robinson to this position.

Assessment Program. Dr. Gentry reviewed the Colorado School of Mines Annual Assessment Report to CCHE for 1989.

The Board unanimously approved the Report, which will now be transmitted to CCHE.

Petroleum Engineering Department Field Session. Mr. Lawler made a presentation on the petroleum field session in Europe, Summer 1989.

The Board thanked Mr. Lawler for his presentation.

The meeting was adjourned at 10:25 a.m., and the Board went into executive session.

September 15, 1989

September 15, 1989


Secretary

RECORD OF PROCEEDINGS

Golden, Colorado
October 13, 1989

The Board of Trustees met in regular session on October 13, 1989, at 9:00 a.m.

Trustees present: Ms. Allen and Messrs. Lawler, Miller, Stott and Wood.

Absent: Messrs Joseph, McNulty and Pascoe.

Also attending the meeting were President Ansell, Vice Presidents Golden, Powers and Scott, Deans Chevront, Cordes and Olson, Mr. Robbins, Executive Director of the CSM Foundation, Dr. Brown, faculty representative to the Board, other staff members, and visitors.

Ms. Allen presided.

Election of Treasurer. The Bylaws of the Colorado School of Mines require that the Treasurer and/or the President execute all documents of a contractual nature and sign our vouchers, checks and other payment documents.

Dr. Joseph C. Weber has been appointed as Acting Vice President following Gordon Scott's resignation, and it would be appropriate to elect him to the position of Treasurer to facilitate the functioning of the School.

The Board unanimously elected Dr. Joseph C. Weber to the office of Treasurer of the Colorado School of Mines

Previous Minutes. The minutes of the meeting held on September 15, 1989, were approved as distributed.

ATO Option Agreement. Mr. Scott informed the Board that Alpha Tau Omega Fraternity had an option on Lot 2, West Campus Road, which expired prior to last month's Board meeting. They called a week or so prior to the expiration and were interested in securing a new option or extension for a period of two years.

President Ansell and Mr. Scott agreed to have a new option prepared for consideration by the Board in October. The document has been completed by the Office of the Attorney General and provides for two additional option years with payment of \$200.00 per year and a crediting of the first \$1,000.00 and the second option payments to the purchase price if the option is executed.

The Board unanimously approved the Option Agreement and authorized its execution.

Articulation Agreements/Transfer Guide. Dr. Gentry stated that the Colorado General Assembly, through House Bill 1187, charged C CHE with the responsibility to establish Articulation Agreements and Transfer Guides between all two-year and four-year and between all four-year institutions of higher education in the State. In conjunction with the CCOES, an appropriate agreement and guide has been developed for each of the fifteen community colleges. Dr. Gentry believes that the guidelines contained in the document address all the necessary points required by C CHE.

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The Board unanimously approved the sample document. The documents will be forwarded to the appropriate two-year institutions for signature.

Visiting Committee Response. The Board unanimously approved the response to the report of the Visiting Committee for the Department of Mining Engineering.

Bank and Corporate Resolutions and Change of Signatures. Mr. Scott informed the Board that numerous bank accounts, stock accounts, safe deposit access documents, etc., must be amended following his resignation to ensure that the accounts are operational as of November 1.

The Board unanimously approved the resolutions and the signing of the cards as appropriate. The resolutions will be in the hands of the secretary at the conclusion of the meeting.

Approval of Supplemental Funding Request for the Completion of Engineering Hall Project. Mr. Scott told the Board that the original appropriation for this project in 1987 totaled \$2.1 million. It was to cover both decontamination and reconstruction of the facility. The costs of decontamination have exceeded original estimates and additional funds are required to complete the renovation. A request has been prepared in the amount of \$690,429.00.

The Board unanimously approved the Supplemental Appropriation Request.

New Faculty Appointments. Dr. Golden presented the report as follows:

Change in Appointment.

Dr. Barbara B. Bath Assistant Professor of Mathematics	\$32,000 for the 1989-90 academic year
Dr. Robert M. Hutchinson Adjunct Professor of Geology and Geological Engineering	\$3,000 for the spring semester of the 1989-90 academic year

New Appointments.

Dr. Larry Beyer Adjunct Professor of Geophysics	No compensation for the 1989-90 academic year
Dr. David L. Buckner Adjunct Assistant Professor of Environmental Sciences and Engineering Ecology	\$3,200 for the fall semester of the 1989-90 academic year
Mr. Cap Hermann Adjunct Instructor of Physical Education and Athletics	\$4,800 for the period 10/15/89 - 2/24/80
Dr. Mark A. Linne Assistant Professor of Engineering	\$29,412 for the period 11/1/89 through May 11, 1990 year
Dr. Misac N. Nabighian Adjunct Professor of Geophysics	No compensation for the 1989-90 academic year

RECORD OF PROCEEDINGS

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Mr. Luka Powanga Adjunct Instructor of EPICS	\$6,250 for the fall semester of the 1989-90 academic year
Mr. Joseph Tant Priestley Adjunct Assistant Professor of Mathematics	\$3,000 for the fall semester of the 1989-90 academic year
Mr. John W. Robinson Adjunct Instructor of Geology and Geological Engineering	\$4,900 for the fall semester of the 1989-90 academic year
Mr. Mark Sonnenfeld Adjunct Instructor of Geology and Geological Engineering	\$1,650 for the fall semester of the 1989-90 academic year
Mr. David W. Valasek Adjunct Instructor of Geology and Geological Engineering	\$4,900 for the fall semester of the 1989-90 academic year

Reappointment After Interruption

Dr. Henry A. Babcock Adjunct Professor of Engineering	\$18,000 for the 1989-90 academic year
Dr. Edward B. Coalson Adjunct Associate Professor of Geology and Geological Engineering	No compensation for the fall semester of the 1989-90 academic year
Dr. G. Mattney Cole Adjunct Assistant Professor of Chemistry and Geochemistry	\$800 for the fall semester of the 1989-90 academic year
Dr. Karl D. Dreher Adjunct Associate Professor of Petroleum Engineering	\$5,500 for the fall semester of the 1989-90 academic year
Dr. Samuel S. Goldich Adjunct Professor of Geology Economics	No compensation for the academic year
Dr. Douglas Gordon Adjunct Instructor of Japanese	\$1,800 for the fall semester of the 1989-90 academic year
Dr. Jaime Guzman Adjunct Associate Professor of Mineral Economics	\$3,000 for the fall semester of the 1989-90 academic year
Dr. Robert D. Hamilton Adjunct Assistant Professor of Geology and Geological Engineering	No compensation for the 1989-90 academic year
Dr. Hossein Kazemi Adjunct Professor of Petroleum Engineering Engineering	\$4,228 for the fall semester of the 1989-90 academic year
Dr. Robert Knecht Adjunct Professor of Chemical Engineering and Petroleum Refining	\$7,400 for the 1989-90 academic year

RECORD OF PROCEEDINGS

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Dr. Michael Hendricks Adjunct Associate Professor of Geology and Geological Engineering	No compensation for the 1989-90 academic year
Dr. Charles Lienert Adjunct Professor of Mineral Economics	\$1,600 for the period September 9-29, 1989
Mr. Fred Meissner Adjunct Associate Professor of Geology and Geological Engineering	No compensation, fall semester of the 1989-90 academic year
Dr. Richard Passamaneck Adjunct Associate Professor of Engineering	\$3,000 for the fall semester of the 1989-90 academic year
Dr. George Pring Adjunct Professor of Environmental Science and Engineering Ecology	\$16,588 for the 1989-90 academic year
Dr. David Stephenson Adjunct Professor of Geology and Geological Engineering	No compensation, fall semester of the 1989-90 academic year
Dr. David Updegraff Adjunct Professor of Chemistry and Geochemistry	\$2,400 for the fall semester of the 1989-90 academic year
Mr. Bruce Van Haveren Adjunct Assistant Professor of Environmental Science and Engineering Ecology	\$2,600 for the fall semester of the 1989-90 academic year
Dr. Doug Waples Adjunct Professor of Geology and Geological Engineering	No compensation, 1989-90 academic year

Continuation of Appointment

Mr. Wesley Johnson Adjunct Associate Professor of EPICS	\$2,250 for the fall semester of the 1989-90 academic year
Mr. Abdul Wahid Instructor in Indonesian	\$1,800 for the fall semester of the 1989-90 academic year

Dr. Golden had provided Quantitative Evaluation Reports prior to the Board meeting.

Dr. Golden asked that the Board reevaluate its position on the Quantitative Evaluation Reports. Preparing this part of the report requires a great deal of time and effort on the part of the Academic Affairs Office staff during September and October, which are both months with extremely heavy workloads. An alternative might be preparation of these reports for only new tenured or tenure-track faculty or for all new faculty--not continuations, reappointments or changes in appointments since these are generally adjunct appointments.

The Board agreed that it is unnecessary to prepare the reports each month, but requested that Quantitative Evaluation Reports be submitted to the Board prior to granting tenure to a faculty member.

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Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Spring 1990, as of September 29, 1989.

Dr. Cordes had also provided a report assessing graduate student recruiting and enrollment issues.

Enrollment - Admissions. Mr. Spaulding had provided the Enrollment Report for Fall Semester 1989-90.

New Research Awards. Dr. Olson provided a report on new research award volume for September 1989. This month's volume is \$1,092,615 compared to \$1,132,439 for the same time period in the previous year. This results in a cumulative total for FY 1990 of \$2,632,095, which is \$428,289 behind the total for the same period in the previous year. Twenty-six different faculty members were involved in twenty-one new or add-on project awards.

Seventeen proposals were submitted in the month of September 1989 compared to eleven during the month of August 1989. A total to date of forty proposals for FY 1990 has been submitted.

Monthly Financial Reports. Mr. Scott provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Three Months Ending September 30, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the Three Months Ending September 30, 1989; and Colorado School of Mines Time Deposits and Investment Report, September 30, 1989. It is his belief that the School is operating within the funds available for the 1990 fiscal year.

Mr. Scott reviewed the estimate of budget status for FY 1989-90.

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period September 15, 1989 to October 13, 1989.

The Board thanked Mr. MacPherson for his report.

Development Report. Mr. Powers provided the following reports prior to the Board meeting: Campaign for Colorado School of Mines Summary of Commitments for Fiscal Year 1990 through September 30, 1989, and Campaign for Colorado School of Mines Summary of Commitments for Campaign to Date through September 30, 1989.

New System for Evaluation of Faculty. Dr. Golden reviewed the guidelines for the new system for evaluation of faculty. He explained that the system has been approved by the faculty and the department heads. This system operates on management by objectives and is a radical change from the old system. It will require a great deal of work on the part of the department heads and, since they have agreed to use it for the 1990 calendar year evaluations, they will need to begin the process of implementation immediately.

Dr. Golden informed the Board that although the new system presents a number of issues and problems which are yet to be resolved, it does address a number of pressing faculty concerns. As Dean of Faculty, he has approved implementation of the new system.

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Aztec Bowl. President Ansell requested Board approval for the Mines football team to participate in the Aztec bowl in Mexico City on December 2, 1989.

The Board unanimously approved the request.

Mr. Stott commented briefly on the high quality of the response to the Mining Department Visiting Committee Report.

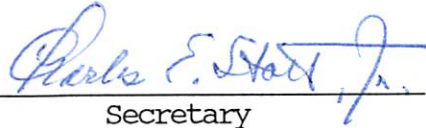
Announcements. Ms. Allen announced the resignation of Mr. Gordon Scott effective October 31, 1989, and, on behalf of the Board, thanked him for his efforts on behalf of the School.

Ms. Allen also announced the resignation of Mr. Martin Robbins effective October 31, 1989, and thanked him for his efforts.

Sabbatical Report. Dr. Michael J. Pavelich, Associate Professor of Chemistry and Geochemistry, who was on sabbatical during the 1988-89 academic year, presented his report.

Dr. Brown, faculty representative to the Board, presented the Faculty Senate report.

The meeting was adjourned at 10:05 a.m., and the Board went into executive session.


Secretary

October 13, 1989

RECORD OF PROCEEDINGS

Golden, Colorado
November 10, 1989

The Board of Trustees met in regular session on November 10, 1989, at 9:00 a.m.

Trustees present: Ms. Allen and Messrs. Joseph, Lawler, Miller, Pascoe and Stott.

Absent: Messrs McNulty and Wood.

Also attending the meeting were President Ansell, Vice Presidents Golden and Powers, Acting Vice President Weber, Deans Chevront, Cordes and Olson, Dr. York, Executive Director of the CSM Foundation, Ms. Carr, Assistant to the President for External Relations, Dr. Brown, faculty representative to the Board, other staff members, and visitors.

Mr. Pascoe presided.

Previous Minutes. The minutes of the meeting held on October 13, 1989, were approved as distributed.

Security Resolution. The following resolution was unanimously approved:

Those persons occupying the following positions among the officers and members of the Board of Trustees of the Colorado School of Mines, shall be known as the Managerial Group, having the authority and responsibility for the negotiating, execution and administration of User Agency contracts, as described in DoD 5220.22-M, "Industrial Security Manual for Safeguarding Classified Information."

George S. Ansell, President, Colorado School of Mines
John O. Golden, Vice President for Academic Affairs
David L. Olson, Dean of Research
Mary Mittag-Miller, Industrial Security Officer

The Chief Executive and the members of the Managerial Group have been processed, or will be processed, for a personnel security clearance for access to classified information to the level of the facility security clearance granted to this institution, as provided for in the aforementioned Industrial Security Manual.

The said Management Group is hereby delegated all of the Board's duties and responsibilities pertaining to the protection of classified information under classified contracts of the Department of Defense or User Agencies of the Industrial Security Program awarded to the Colorado School of Mines.

The following named officers and members of the Board of Trustees shall not require, shall not have, and can be effectively excluded from, access to all classified information in the possession of the Colorado School of Mines, and do not occupy positions that would enable

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them to affect adversely the policies and practices of the Colorado School of Mines in the performance of classified contracts for the Department of Defense or User Agencies of its Industrial Security Program, awarded to the Colorado School of Mines, need not be processed for a personnel security clearance.

OFFICERS

Donald W. Gentry, Dean of Undergraduate Studies
John A. Cordes, Dean of Graduate Studies

BOARD MEMBERS

Monte Pascoe, President
Sally V. Allen, Vice President
Charles E. Stott, Jr., Secretary
Anthony L. Joseph
Terence P. McNulty
Donald E. Miller
David C. Lawler
Russell L. Wood

The Board unanimously approved the proposed Security Resolution.

The Board unanimously approved the sample document. The documents will be forwarded to the appropriate two-year institutions for signature.

Visiting Committee Responses. The Board unanimously approved the responses to the reports of the Visiting Committees for the Departments of Geology and Geological Engineering, Engineering, and Environmental Sciences and Engineering Ecology.

Faculty Appointments. Dr. Golden informed the Board that he has received two requests to appoint faculty members who are over 70 years of age. They are Dr. James E. White, Department of Geophysics, and Mr. Lincoln Elkins, Department of Petroleum Engineering.

The Board unanimously approved the requests.

Administrative Tax on Iron and Steel Society Gift. Dr. Golden informed the Board that CSM has received a gift of \$50,000 from the Iron and Steel Society, and he has agreed that there will be no administrative tax on this gift. His decision was made before CSM's Board and the CSM Foundation Board adopted the new fee policy. Accordingly, he is requesting that no fee be charged on this gift.

The Board unanimously approved the request and endorsed the advancement of the request to the CSM Foundation Board.

Lightening Streak Claim - Lease. Dr. Weber told the Board that CSM has been approached by Cellular Colorado, a general partnership, about the prospect of leasing the surface rights to approximately 2500 square feet of the Lightening Streak Claim (Survey No. 1152, Clear Creek County, Colorado). The proposed use of this property is to construct, maintain, and operate a mobile communications facility which would be contained in a building of approximately 600 square feet and one free standing or guyed antenna structure of nominal height.

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The Lightning Streak Claim is one of twelve properties bequeathed to the School in 1978 by the late St. Claire Okie Hayden. In a line of sight, the Lightning Streak is approximately three-fourths of a mile north of the CSM Experimental Mine and is accessed by the "Oh My God road." The Mining Department does not feel that the proposed facility would interfere with either their operations or foreseen plans and has recommended the leasing.

The Board unanimously approved in principle the leasing of certain surface rights on the Lightning Streak Claim for a mobile communication facility and its associated tower and authorized the CSM administration to enter good faith negotiations with the view to achieving an acceptable lease to accommodate the siting of the proposed mobile communication facility.

New Faculty Appointments. Dr. Golden informed the Board that there are no new faculty appointments to report at this meeting.

Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Spring 1990, as of October 31, 1989.

Enrollment - Admissions. There is no enrollment report for the month of October. The next enrollment report will be prepared on December 1, 1989.

New Research Awards. Dr. Olson provided a report on new research award volume for October 1989. This month's volume is \$1,120,307 compared to \$1,164,853 for the same time period in the previous year. This results in a cumulative total for FY 1990 of \$3,752,402, which is \$472,835 behind the total for the same period in the previous year. Twenty-one different faculty members were involved in twenty-one new or add-on project awards.

Twelve proposals were submitted in the month of October 1989, compared to seventeen during the month of September 1989. A total to date of fifty-two proposals for FY 1990 has been submitted.

Monthly Financial Reports. Dr. Weber provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Four Months Ending October 31, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the Four Months Ending October 31, 1989; and Colorado School of Mines Time Deposits and Investment Report, October 31, 1989. It is his belief that the School is operating within the funds that can be made available for the 1990 fiscal year.

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period October 13, 1989 to November 10, 1989.

The Board thanked Mr. MacPherson for his report.

Development Report. Mr. Powers provided the following reports prior to the Board meeting: Campaign for Colorado School of Mines Summary of Commitments for Campaign to Date through October 31, 1989; Campaign for Colorado School of Mines Summary of Commitments for Fiscal Year 1990 through October 31, 1989; Colorado School of Mines Summary of Cash for fiscal Year 1990 through October 31, 1989; and The Campaign for Colorado School of Mines, A Pattern for Success to Raise \$60,000.00.

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Faculty Senate Report. Dr. Brown presented the report of the Faculty Senate.

Report on Engine Lab. Dr. Olson presented a report on the Colorado Center for High Altitude Fuels and Engine Research.

Report on Minority Student Recruiting and Programs. Ms. Betty Jean Valdez, Assistant Director of Admissions, presented a report on the history of the recruiting programs for women and minority students at CSM. For her report, minorities include Asian, black, Hispanic, and Native Americans.

Ms. Valdez informed the Board that prior to the 1989-90 school year, Mines participated in seven recruiting programs. She discussed the projects planned for 1989-90.

Mr. Don Velasquez, Minority Engineering Program Coordinator, reported on the minority engineering program at CSM.

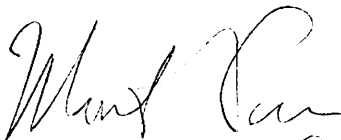
Mr. Joseph indicated that he would be willing to assist in any way that he can.

Mr. Pascoe thanked Ms. Valdez and Mr. Velasquez for their reports.

Hazardous Material Technology Center. Dr. Olson presented a report on the Hazardous Material Technology Center.

Announcements. Mr. Pascoe welcomed Dr. Louis York, who has replaced Mr. Robbins as Executive Director of the Colorado School of Mines Foundation.

The meeting was adjourned at 10:30 a.m., and the Board went into executive session.


Secretary *M. Ann*

November 10, 1989

RECORD OF PROCEEDINGS

Golden, Colorado
December 15, 1989

The Board of Trustees met in regular session on December 15, 1989, at 9:00 a.m.

Trustees present: Messrs. Joseph, Lawler, McNulty, Pascoe and Wood.

Absent: Ms. Allen and Messrs. Miller and Stott.

Also attending the meeting were President Ansell, Vice Presidents Chevront, Golden and Powers, Acting Vice President Weber, Dean Olson, Dr. York, Executive Director of the CSM Foundation, Ms. Carr, Assistant to the President for External Relations, Dr. Brown, faculty representative to the Board, other staff members, and visitors.

Mr. Pascoe presided.

Previous Minutes. The minutes of the meeting held on November 10, 1989, were approved as distributed.

Candidates for Degrees. Distribution was made of lists of candidates for degrees as recommended by the regular and graduate faculties.

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

Approval of Stephen Hui Resolution. The Board unanimously approved the following resolution:

Colorado School of Mines
Board of Trustees

RESOLVED: To recognize the passing
of its loyal son and alumnus
Stephen S.F. Hui
Engineer of Mines 1940
Geological Engineer 1940
Doctor of Engineering (Honorary) 1940
For nearly a half century he honored
the School through his outstanding career
and served it with his selfless philanthropy.
He was a great man from and in a great city;
a man always conscious of his debts to the
past and his obligations to the future.
We join his family and classmates in mourning
the loss of his inspiration and dedication.

Transfer Agreements. Dr. Gentry informed the Board that the Colorado General Assembly, through H.B. 1187, charged CICHE with the responsibility to establish Articulation Agreements and Transfer Guides between all two-year and four-year institutions of higher education in the

RECORD OF PROCEEDINGS

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State. A team, consisting of CSM faculty members representing the appropriate academic disciplines involved in the transfer, with Dr. Gentry and appropriate administrative and faculty members at Fort Lewis College and Adams State College in September.

Dr. Gentry had furnished copies of the proposed transfer documents prior to the Board meeting. He believes these guidelines address all necessary points required by CCHE.

The Board unanimously approved the request to forward each of these documents to the appropriate four-year institution for signature.

New Faculty Appointments. Dr. Golden informed the Board that there are no new faculty appointments to report at this meeting.

Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Spring 1990, as of November 30, 1989.

Enrollment - Admissions. Mr. Young had provided the December 1, 1989 Admissions Report, the Admissions Report for Spring Semester 1990, and a report on the BOT Scholarship Program.

New Research Awards. Dr. Olson provided a report on new research award volume for November 1989. This month's volume is \$777,123 compared to \$616,977 for the same time period in the previous year. This results in a cumulative total for FY 1990 of \$4,529,525, which is \$312,689 behind the total for the same period in the previous year. Seventeen different faculty members were involved in twenty-seven new or add-on project awards.

Twenty-two proposals were submitted in the month of November 1989, compared to twelve during the month of October 1989. A total to date of seventy-four proposals for FY 1990 has been submitted.

Monthly Financial Reports. Dr. Weber provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Five Months Ending November 30, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the Five Months Ending November 30, 1989; and Colorado School of Mines Time Deposits and Investment Report, November 30, 1989. It is his belief that the School is operating within the funds that can be made available for the 1990 fiscal year.

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the period November 10, 1989 to December 15, 1989.

Development Report. Mr. Powers provided the following reports prior to the Board meeting: Campaign for Colorado School of Mines, Summary of Commitments for Fiscal Year 1990 through November 30, 1989; Colorado School of Mines Summary of Cash for Fiscal Year 1990 through November 30, 1989; Campaign for Colorado School of Mines, Summary of Commitments for Campaign to Date through November 30, 1989; and The Campaign for Colorado School of Mines, A Pattern for Success to Raise \$60 million.

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Placement Report. Ms. Diana Doyle, Director of Student Development, Career Planning and Placement, presented the report.

Mr. Pascoe thanked Ms. Doyle for her report.

Legislative Report. Ms. Carr presented the report. She informed the Board that as of December 1, CCHE had made the following recommendations to the JBC regarding appropriations for Mines:

A supplemental appropriation in the 1989-90 budget for \$690,429 to complete the renovation of Engineering Hall.

In the 1990-91 budget, \$828,000 for the A&E studies for Alderson Hall. Completion of Alderson will require \$9,781.565 in the following year.

Support for two Programs of Excellence at Mines:
\$150,000 in continued funding for EPICS and
\$150,000 in new funding for the McBride Honors Program.

At the conclusion of the reexamination of the base process, Mines has remained at the 2.95 percent level.

There was a general discussion with regard to a bill "Concerning Higher Education", which is being sponsored by Senator Hume.

She informed the Board that Dr. Golden will represent Mines at the JBC hearing to be held on December 20, 1989.

Revised 1989-90 Financial Plan. Dr. Weber reviewed the Revised 1989-90 Financial Plan, which was unanimously approved by the Board.

Faculty Senate Report. Dr. Brown presented the report of the Faculty Senate. At his request, the Board discussed the status of the Shannon litigation.

Dr. Brown indicated that the Faculty Senate would like to invite the members of the Board to a luncheon following the Board meeting on January 12, 1990.

Dr. Brown informed the Board that the next meeting of the Faculty Senate is scheduled for January 9, 1990.

The meeting was adjourned at 9:55 a.m., and the Board went into executive session.


Secretary

December 15, 1989