

RECORD OF PROCEEDINGS

Golden, Colorado
January 12, 1990

The Board of Trustees met in regular session on January 12, 1990 at 9:00 a.m.

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

Also attending the meeting were President Ansell, Vice President Chevront, Acting Vice President Weber, 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.

Vice President for Academic Affairs and Dean of Faculty. The Board unanimously approved the appointment of Dr. Franklin D. Schowengerdt to the position of Vice President for Academic Affairs and Dean of Faculty, effective Monday, January 15, 1990.

Mr. Pascoe commended Dr. Golden on the exemplary service which he rendered to the School during the period in which he held the VPAA/Dean of Faculty position.

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

Visiting Committee Report Response. The Board unanimously approved the proposed response to the Report of the Visiting Committee for the Department of Chemical Engineering and Petroleum Refining.

Sabbatical Request. Dr. Golden recommended approval of the following sabbatical leave request: Dr. Robert H. King, Professor, Department of Mining Engineering, who has been a member of the faculty since 1981 and who has had no previous leave.

Dr. Golden informed the Board that Dr. King has requested a sabbatical leave for the fall 1990 semester at three-fourths pay in order to spend time in Australia at Mount ISA and University of Queensland. During his time at Mount ISA he will work on mining robotics, and he will teach at the University of Queensland.

The Board unanimously approved the request.

Transfer Agreement. Dr. Gentry informed the Board that the Colorado General Assembly, through H.B. 1187, charged CCHE with the responsibility to establish Articulation Agreements and Transfer Guides between all two-year and four-year institutions of higher education in the 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 Mesa State College, met in November 1989 and approved the proposed document, which was distributed to the Board members.

RECORD OF PROCEEDINGS

2

The Board unanimously approved the request to forward the document to the appropriate four-year institution for signature.

New Faculty Appointments. Dr. Golden reviewed new appointments to the faculty as follows:

Dr. Richard K. Ahrenkiel Adjunct Professor of Physics	\$4,500 for the spring semester of the 1989-90 academic year
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Reappointment after Interruption.

Mr. John M. Stermole Adjunct Professor of Mineral Economics	\$3,000 for the spring semester of the 1989-90 academic year
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Graduate School Admissions. Dr. Cordes had provided the standard report for graduate student admissions for Spring 1990, as of December 31, 1989.

Enrollment - Admissions. Mr. Young had provided the January 1, 1990 Admissions Report and the Admissions Report for Spring Semester 1990.

New Research Awards. Dr. Trefny provided a report on new research award volume for December 1989. This month's volume is \$975,462 compared to \$1,380,644 for the same time period in the previous year. This results in a cumulative total for FY 1990 of \$5,504,987, which is \$717,871 behind the total for the same period in the previous year. Twenty-six different faculty members were involved in twenty-two new or add-on project awards.

Twelve proposals were submitted in the month of December 1989, compared to twenty-two during the month of November 1989. A total to date of eighty-six 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 Six Months Ending December 31, 1989; Colorado School of Mines Auxiliary and Self-Funded Activities for the six Months Ending December 31, 1989; and Colorado School of Mines Time Deposits and Investment Report, December 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 December 15, 1989 to January 12, 1990.

Institutional Advancement Reports. 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 December 31, 1989; Colorado School of Mines Summary of Cash for Fiscal Year 1990 through December 31, 1989; and Campaign for Colorado School of Mines, Summary of Commitments for Campaign to Date through December 31, 1989.

Board Policies. President Ansell reviewed proposed Board policies. The Board will discuss this subject at future meetings.

RECORD OF PROCEEDINGS

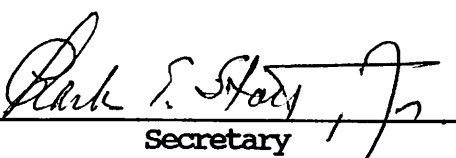
3

Legislative Report. Ms. Carr presented the report.

Faculty Senate Report. Dr. Brown presented the report.

Trustee Development Committee. President Ansell reported that Mr. Wood will be the Chairman of the Trustee Development Committee and that Mr. Stott will be the Vice Chairman.

The meeting was adjourned at 10:20 a.m., and the Board went into executive session.


Secretary

January 12, 1990

RECORD OF PROCEEDINGS

Golden, Colorado
February 9, 1990

The Board of Trustees met in regular session on February 9, 1990 at 9:00 a.m.

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

Also attending the meeting were President Ansell; Vice President Schowengerdt; Vice President Chevront; Vice President Powers; Acting Vice President Weber; Dr. York, Executive Director of the CSM Foundation; Mr. Zehr, Executive Director of the Alumni Association; 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 December 15, 1989, were approved as distributed.

Emeritus Appointment. The Board unanimously approved the appointment of Dr. Franklin J. Stermole as Professor Emeritus of Chemical Engineering and Petroleum Refining effective with his retirement in May, 1990.

Sabbatical Request. Dr. Schowengerdt recommended approval of the following sabbatical leave request: Professor Robert S. Thompson, Associate Professor, Department of Petroleum Engineering, who has been a member of the faculty since 1981 and who has had no previous leave.

Dr. Schowengerdt informed the Board that Professor Thompson has requested a sabbatical leave for the purpose of completing the third edition of the textbook Oil Property Evaluation.

The Board unanimously approved the request.

New Faculty Appointments. Dr. Schowengerdt presented the following faculty appointments:

SIGNED CONTRACTS AS OF JANUARY 31, 1990

New Appointments

Dr. George S. Almasi	Distinguished IBM Research Professor of Computer Science and Geophysics No Remuneration 1989-90 Spring Semester
Dr. James R. Kunkel	Adjunct Associate Professor of Geology and Geological Engineering \$3,000.00 1989-90 Spring Semester GE 670 A

RECORD OF PROCEEDINGS

Page 2

Dr. Benjamin F. Leonard	Adjunct Professor of Geology and Geological Engineering No Remuneration 1989-90 Spring Semester GE 404 A
Dr. Mark A. Linne	Assistant Professor of Engineering with joint appointment as Assistant Professor of Physics \$40,000 1989-90 Spring Semester
Dr. Regis R. Motta	Adjunct Assistant Professor of Mathematics \$4,000.00 1989-90 Spring Semester CS 306
Dr. James C. Pierce	Adjunct Assistant Professor of Humanities and Social Sciences \$2,500.00 1989-90 Spring Semester HS 397
Dr. Robert E. Rothe	Adjunct Professor of Physics \$3,600.00 1989-90 Spring Semester PHGN 503 R
Ms. Lori E. Seward	Adjunct Instructor of Mathematics \$6,000.00 1989-90 Spring Semester MA 101 and MA 323
Mr. I Wayan Sujana	Instructor of Global Systems and Cultures \$1,800.00 1989-90 Spring Semester GSIN 228 A
Dr. Elizabeth M. Tilton	Adjunct Assistant Professor of Humanities and Social Sciences \$2,500.00 1989-90 Spring Semester HS 100
Continuation of Appointment	
Dr. David L. Buckner	Adjunct Assistant of Environmental Sciences and Engineering Ecology \$350.00 February 5, 1990 to February 26, 1990 ESGN 300 A and B
Ms. Glenda A. Buzbee	Adjunct Instructor of Mathematics \$7,200.00 1989-90 Spring Semester EP 102 J, K and Q and MA 131 A

February 9, 1990

RECORD OF PROCEEDINGS

Page 3

Mr. Edward B. Coalson	Adjunct Associate Professor of Geology and Geological Engineering \$2,000.00 1989-90 Spring Semester GE 439
Dr. Carl E. Cross	Adjunct Professor of Metallurgical and Materials Engineering \$2,000.00 January 2, 1990 to February 28, 1990 MITN 561 A
Ms. Roberta R. Hodkowski	Instructor of Global Systems and Cultures \$2,200.00 1989-90 Spring Semester GSOT 496 A and GSPO 386 A
Mr. Patrick A. Madison	Adjunct Instructor of Mathematics \$3,659.33 1989-90 Spring Semester CS 441
Dr. Peter J. McCabe	Adjunct Associate Professor of Geology and Geological Engineering \$3,000.00 1989-90 Spring Semester GE 631 M
Dr. Thomas J. McInerney	Adjunct Associate Professor of Humanities And Social Sciences \$2,500.00 1989-90 Spring Semester HS 405
Mr. Fred F. Meissner	Adjunct Professor of Geology and Geological Engineering \$4,000.00 1989-90 Spring Semester GEOL 609 A
Dr. Jerome G. Morse	Adjunct Professor of Environmental Science and Engineering Ecology \$2,100.00 1989-90 Spring Semester ESGN 511 A
Dr. Richard S. Passamaneck	Adjunct Associate Professor of Engineering \$6,000.00 1989-90 Spring Semester EG 371 A and EG 403 A
Ms. Cheryl A. Ray	Adjunct Assistant Professor of Humanities and Social Sciences \$2,000.00 1989-90 Spring Semester EP 102

February 9, 1990

RECORD OF PROCEEDINGS

Page 4

Ms. Thais Silva
Instructor of Global Systems and Cultures
and McBride Honors Program
\$4,000.00
1989-90 Spring Semester
HNRS 301 B, GSPO 226 A and GSPO 426 A

Mr. Bruce P. Van Haveren
Adjunct Assistant Professor of Environmental
Science and Engineering Ecology
\$1,300.00
1989-90 Spring Semester
ESGN 570 A

Reappointment After Interruption

Dr. Sanaa Abdel-Azim
Adjunct Assistant Professor of Engineering
\$9,000.00
1989-90 Spring Semester
EG 381 A, EG 389 A, EG 389 IA

Dr. Frederick B. Bart
Adjunct Assistant Professor of Humanities and
Social Sciences
\$5,000.00
1989-90 Spring Semester
EP 102

Mr. Gary D. Bond
Adjunct Instructor of Mathematics
\$4,000.00
1989-90 Spring Semester
CS 406

Mr. Jerry L. Clayton
Adjunct Instructor of Chemistry and
Geochemistry
No Remuneration
1989-90 Spring Semester
GC 527

Dr. Robert M. Hutchinson
Adjunct Professor of Geology and Geological
Engineering
\$3,000.00
1989-90 Spring Semester
GE 221

Dr. Errol G. Kelly
Visiting Professor of Metallurgical and
Materials Engineering
\$5,000.00
1989-90 Spring Semester
MIGN 422 and MIGN 424

Ms. Lee Ann Tobin
Adjunct Instructor of Humanities and Social
Sciences
\$2,500.00
1989-90 Spring Semester
EP 102

February 9, 1990

Graduate School Admissions. Dr. Cordes provided the standard report for Spring 1990 graduate admissions and the fall 1990 graduate student enrollment figures.

Enrollment - Admissions. Mr. Young provided the February 1, 1990 Admissions Report.

New Research Awards. Dr. Trefny provided a report on new research award volume for January 1990. This month's volume is \$951,388 compared to \$821,805 for the same time period of the previous year. This results in a cumulative total for FY 1990 of \$6,456,375 which is \$588,288 behind the total for the same period in the previous year. Eighteen faculty members were involved in sixteen new or add-on project awards.

Nineteen proposals were submitted in the month of January, 1990 compared with twelve during the month of December, 1989. A total to date of 105 proposals for FY 1990 have 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 Six Months Ending January 31, 1990; Colorado School of Mines Auxiliary and Self-Funded Activities for the Seven Months Ending January 31, 1990 and Colorado School of Mines Time Deposits and Investment Report. 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 submitted the Environmental Health and Safety Report for the period January 12, 1990 to February 9, 1990.

Institutional Advancement Reports. Mr. Powers provided the following reports prior to the meeting: Campaign for Colorado School of Mines Summary of Commitments for Fiscal Year 1990 through January 30, 1990; Colorado School of Mines Summary of Cash for Fiscal Year 1990 through January 30, 1990 and Campaign for Colorado School of Mines Summary of Commitments for Campaign to Date through January 30, 1990. At the meeting, he distributed The Campaign for Colorado School of Mines, A Pattern for Success to Raise \$60,000,000.

Mr. Wood reported that the Trustee Development Committee has been formed with the following members: Russell L. Wood, Chair; Sally V. Allen; Terence P. McNulty, Donald E. Miller, Charles E. Stott, Jr., Guy T. McBride, Jr., Harry Conger, Harold C. Heinze, Ralph L. Hennebach, James G. Johnstone, Francis J. LaBriola, Charles E. Schultz, Ted P. Stockmar and Jasper N. Warren.

Dr. York reported that he and Shea McGrew have taken the initial steps to get the Weaver bequest transferred to CSM.

Visiting Committee Report Responses. Dr. Van Kirk responded to the points which had been raised by the Petroleum Engineering Visiting Committee: 1. The department is in the process of adding a new faculty member; 2. EPICS concerns have been and are being addressed; 3. the summer trip last year was a trip to Europe and this year the students will go to Alaska; 4. the issue of communicative skills is one which is a broad concern of society as a whole; 5. space issues are being addressed; 6. research focus is a major concern of the department and they are seeking sponsorship of projects. Dr. Trefny responded to points two and three in the Physics Department response by saying that the issues are complicated and will take some time to

February 9, 1990

resolve. In regard to point six, he said that the department will look at alternative delivery systems and has already begun student tutorial services. They are working aggressively on an extensive network of external connections and other issues raised in point 7. Mr. Miller pointed out the importance of international connections for the department.

The responses to the two visiting committees were signed by Mr. Pascoe on behalf of the Board.

Board of Trustees Policies. The Board approved the policies distributed at the last meeting of the Trustees with the change in the Maximum Enrollment policy of the word "shall" to the word "should."

Following discussion on the previously approved policy material which was distributed for this meeting, Mr. Pascoe suggested that most of it be considered of only historical interest. The next steps will be to determine which of those policies should be part of current policy statements, update them and group them by subject.

Legislative Report. Ms. Carr presented the report.

Sabbatical Report. Dr. George Kennedy reported on his Fall, 1988, sabbatical leave in Tasmania.

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

The meeting was adjourned at 10:50 a.m. and the Board went into executive session.



Secretary

February 9, 1990

RECORD OF PROCEEDINGS

Golden, Colorado
March 9, 1990

The Board of Trustees met in regular session on March 9, 1990 at 9:00 a.m.

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

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

Also attending the meeting were President Ansell; Vice Presidents Chevront, Powers, Schowengerdt, and Acting Vice President Weber; Dean Cordes; Dr. York, Executive Director of the CSM Foundation; Mr. Zehr, Executive Director of the CSM Alumni Association; 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 February 9, 1990, were approved as distributed.

Emeritus Appointment. Dr. Schowengerdt 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: Dr. Karl R. Newman, Professor of Geology.

Upon the recommendation of Dr. Schowengerdt, the Board unanimously approved the emeritus appointment of Dr. Newman.

Visiting Committee. Dr. Schowengerdt recommended that the following persons be invited to serve on the visiting committee for the Arthur Lakes Library:

Sara Parker
State Librarian of Pennsylvania

Glen Brudvig
Director of Information Services
California Institute of Technology

Grover Coors
President of Microlithics

Joe Fox
President and CEO
New Paraho Corporation

Wayne C. Hazen
Chairman
Hazen Research, Inc.

Lewis L. House
Director of Sponsored Research
U S West, Inc.

RECORD OF PROCEEDINGS

2

John W. Lindemann
Independent Consulting Geologist

Odin Christensen
Vice President - Exploration
Newmont Gold Company

ALTERNATES

George A. Kiersch
President
Kiersch Associates
Professor Emeritus of Geology - Cornell University

Malcolm E. Collier, Jr.
Chairman and CEO
First Federal Bank of Colorado

The Board unanimously approved the recommendation.

Security Resolution. The following resolution, which was unanimously approved by the Board, is necessitated by the need for security clearance on certain research contracts and changes in personnel:

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
Franklin D. Schowengerdt, Vice President for Academic Affairs
David L. Olson, Professor of Metallurgical Engineering
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 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,

RECORD OF PROCEEDINGS

3

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

Request to CSMF Board. President Ansell informed the Board that the unrestricted current fund allocation from the Foundation to CSM depends this year, for the first time, on the spending policy adopted for quasi endowment income.

For all endowments, the spending policy currently is 5.5% of principal. Additionally, for restricted endowments, there is a 1% management fee and a 2/3% fund-raising fee on funds raised before/after FY 1989. This raises the anomaly that quasi endowment provides less total income available for CSM spending than does restricted endowments.

President Ansell proposes that, at least for the duration of the campaign, quasi endowment income be made available to CSM at a spending rate equal to the nominal rate of annual endowment investment income, 10%.

This policy would provide CSM for the FY 1991 budget an additional \$204,000 to the School for its operations. (10% v. 5.5% of quasi endowment; \$434,000 v. \$230,000).

President Ansell proposed that the Board request the Foundation Board to adopt a spending policy for quasi endowments, during the period of the campaign, the spending rate equal to the nominal rate of annual investment income, 10%.

The Board unanimously approved the request.

President Ansell also recommended that the Board request of the Foundation Board an appropriation of current unrestricted funds of \$540,000 for FY 1991, which compares with an appropriation of \$300,000 in FY 1990. In addition, the Foundation will support the costs of fund-raising, legislative relations and miscellaneous services.

These budgets will follow the recommendation from the President of CSM to the CSMF Board.

The Board unanimously approved the request.

New Faculty Appointments. Dr. Schowengerdt presented the following faculty appointments:

RECORD OF PROCEEDINGS

4

New Appointments

Mr. Richard J. Ehrlich Adjunct Instructor in EPICS	\$2,500.00 for the Spring Semester of the 1989-90 academic year
Mr. Paul G. Lillis Adjunct Instructor in Chemistry and Geochemistry	No remuneration Spring Semester of the 1989-90 academic year
Ms. Jan L. Loechell Reference Librarian	\$5,820.85 - February 20, 1990 to August 31, 1990
Mr. D. John Morgan Adjunct Associate Professor of Petroleum Engineering	\$5,500.00 for the Spring Semester of the 1989-90 academic year

Continuation of Appointment

Mr. Luka Powanga Adjunct Instructor in EPICS	\$2,500.00 for the Spring Semester of the 1989-90 academic year
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Reappointment After Interruption

Mr. Lincoln F. Elkins Adjunct Professor of Petroleum Engineering	\$4,228.00 for the Spring Semester of the 1989-90 academic year
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Graduate School Admissions. Dr. Cordes provided the standard report for Fall 1990 graduate student admissions.

Enrollment - Admissions. Mr. Young provided the March 1, 1990 Admissions Report.

Mr. Spaulding provided the Spring 1989-90 Registrar's Report and the Spring 1989-90 Enrollment Statistics (final).

New Research Awards. Dr. Schowengerdt provided a report on new research award volume for February 1990. This month's volume is \$1,274,602 compared to \$1,019,230 for the same time period of the previous year. This results in a cumulative total for FY 1990 of \$7,730,977, which is \$332,916 behind the total for the same period in the previous year. Twenty-eight different faculty members were involved in twenty-four new or add-on project awards.

Forty-three proposals were submitted in the month of February 1990 compared to nineteen during the month of January 1990. A total to date of 148 proposals for FY 1990 have 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 Eight Months Ending February 28, 1990; State Appropriated Funding - Revenues, Expenditures and Other Changes for the Eight Months Ending February 28, 1990; Colorado School of Mines Auxiliary and Self-Funded Activities for the Eight Months Ending February 28, 1990; and Colorado School of Mines Time Deposits and Investment Report, February 28, 1990. It is his belief that the School is operating within the funds that can be made available for the 1990 fiscal year.

RECORD OF PROCEEDINGS

5

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the month of February 1990.

Institutional Advancement Reports. Mr. Powers provided the following reports prior to the meeting: Campaign for Colorado School of Mines Summary of Commitments for Fiscal Year 1990 through February 28, 1990; Colorado School of Mines Summary of Cash for Fiscal Year 1990 through February 28, 1990; Campaign for Colorado School of Mines Summary of Commitments for Campaign to Date through February 28, 1990; and The Campaign for Colorado School of Mines, A Pattern for Success to Raise \$60,000,000.

Legislative Report. Ms. Carr presented the report.

Department Name Change. Dr. Schowengerdt recommended that the name of the Math Department be changed to Department of Mathematical and Computer Sciences.

The Board unanimously approved the recommendation.

Faculty Senate Report: Dr. Brown presented the report from the Faculty Senate. He invited the Board to a luncheon with the Faculty Senate following the Board meeting on April 13, 1990.

Sabbatical Report. Dr. George Krauss, Amax Foundation Professor of Physical Metallurgy, who was on sabbatical during the 1988-89 academic year, presented his report.

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


Secretary

March 9, 1990

RECORD OF PROCEEDINGS

Golden, Colorado
April 13, 1990

The Board of Trustees met in regular session on April 13, 1990 at 9:00 a.m.

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

Also attending the meeting were President Ansell; Vice Presidents Chevront, Powers, Schowengerdt, and Acting Vice President Weber; Dr. York, Executive Director of the CSM Foundation; Mr. Zehr, Executive Director of the CSM Alumni Association; 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 March 9, 1990, were approved as amended.

Emeritus Request. Dr. Schowengerdt 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: Dr. Ramon E. Bisque, Professor of Chemistry and Geochemistry.

Upon the recommendation of Dr. Schowengerdt, the Board unanimously approved the emeritus appointment of Dr. Bisque.

Visiting Committee. Dr. Schowengerdt recommended that the following persons be invited to serve on the visiting committee for the Engineering Department:

Dr. George D. Peterson
Chairman of the Electrical Engineering Department
U.S. Naval Academy

Dr. Glenn Martin
Corporate Director of Career Development and Training
CH2M Hill

The Board unanimously approved the recommendation.

New Faculty Appointments. Dr. Schowengerdt informed the Board that there have been no new faculty appointments since the last meeting of the Board of Trustees.

Graduate School Admissions. Dr. Cordes provided the standard report for Fall 1990 graduate student admissions.

Enrollment - Admissions. Mr. Young provided the April 1, 1990 Admissions Report.

RECORD OF PROCEEDINGS

2

New Research Awards. Dr. Schowengerdt provided a report on new research award volume for March 1990. This month's volume is \$1,026,396 compared to \$817,097 for the same time period of the previous year. This results in a cumulative total for FY 1990 of \$8,757,373, which is \$123,617 behind the total for the same period in the previous year. Twenty different faculty members were involved in twenty-one new or add-on project awards.

Thirteen proposals were submitted in the month of March 1990 compared to forty-three during the month of February 1990. A total to date of 161 proposals for FY 1990 have 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 Nine Months Ending March 31, 1990; State Appropriated Funding - Revenues, Expenditures and Other Changes for the Nine Months Ending March 31, 1990; Colorado School of Mines Auxiliary and Self-Funded Activities for the Nine Months Ending March 31, 1990; and Colorado School of Mines Time Deposits and Investment Report, March 31, 1990. It is his belief that the School is operating within the funds that can be made available for the 1990 fiscal year.

Revised 1989-90 Financial Plan. Dr. Weber reviewed the technical revision of the FY 1989-90 operating plan/budget and requested Board approval.

The Board unanimously approved the Revised 1989-90 Financial Plan.

Safety Report. Mr. MacPherson had submitted the Environmental Health and Safety Report for the month of March 1990.

Institutional Advancement Reports. Mr. Powers provided the following reports prior to the meeting: Campaign for Colorado School of Mines Summary of Commitments for Fiscal Year 1990 through March 31, 1990; Colorado School of Mines Summary of Cash for Fiscal Year 1990 through March 31, 1990; and Campaign for Colorado School of Mines Summary of Commitments for Campaign to Date through March 31, 1990.

Legislative Report. Ms. Carr presented the report.

Trustee Development Committee Report. Mr. Wood, Chairman of the Committee, presented the report. He stated that he needs input on the Case Statement from all Board members.

Mr. Pascoe announced that Cecil Green and Bill Coors have agreed to serve as Honorary Chairs of the Campaign for Colorado School of Mines.

Mr. Wood requested that the Colorado School of Mines Board of Trustees approve the establishment of a campaign council for the purpose of planning, overseeing, and insuring the success of the campaign for the Colorado School of Mines, with accountability to the Colorado School of Mines Board of Trustees.

The Board unanimously approved the request.

April 13, 1990

RECORD OF PROCEEDINGS

3

Student Health Insurance. Dr. Chevront reviewed the present rates and discussed the options with regard to providing health insurance for the students. He believes that the best solution is to require students to take the insurance offered by the school if they are unable to provide proof of insurance.

Visiting Committee Responses. The Board unanimously approved the responses to the visiting committee reports for the departments of Global Systems and Cultures and Chemistry and Geochemistry.

CSM Foundation Board Appointment. Ms. Allen informed the Board that Mr. Miller's term on the CSM Foundation Board is expiring, and she moved to reappoint him to the Foundation Board.

The motion was seconded and unanimously approved by the Board.

Trustees Conference. Ms. Allen discussed the role of the Trustees at the Conference. Dr. Schowengerdt expressed the hope that some of the existing conflicts among the participating groups will be resolved.

Environmental Oversight Committee. Mr. Joseph questioned whether the school is making sincere efforts to comply with environmental laws, and stated that we can expect more criminal enforcement in the future. President Ansell stated that he will present to the Board a list of nominees to serve on the committee. Mr. Joseph will serve as the liaison to this group.

Mr. Wood believes that the Board should state for the record that the school's policy is not to violate any laws.

Sabbatical Report. Dr. Ramona Graves, who was on sabbatical leave during the fall semester of the 1989-90 academic year, presented her report.

Faculty Senate Report: Dr. Brown presented the report from the Faculty Senate.

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


Secretary

April 13, 1990

RECORD OF PROCEEDINGS

Golden, Colorado
May 10, 1990

The Board of Trustees met in regular session on May 10, 1990 at 1:40 p.m.

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

Absent: Ms. Allen.

Also attending the meeting were President Ansell; Vice Presidents Chevront, Powers, Schowengerdt, and Acting Vice President Weber; Dr. York, Executive Director of the CSM Foundation; Mr. Zehr, Executive Director of the CSM Alumni Association; 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 April 13, 1990, were approved.

Sabbatical Request. Dr. Schowengerdt recommended approval of the following request for a one-year sabbatical at one-half pay: Dr. John F. Abel, Professor of Mining Engineering. Dr. Abel has been a member of the faculty since 1974 and has never been on sabbatical. He will be teaching in the mining department at the University of Guanajuato in the state of Guanajuato, Mexico and visiting Mexican mines.

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.

Election of Treasurer. Dr. Weber informed the Board that, by tradition, the Vice President for Business Affairs serves as the elected Treasurer for Colorado School of Mines. He recommended that Dr. Ronald W. Geason be elected Treasurer of Colorado School of Mines, effective June 1, 1990.

The Board unanimously approved the recommendation.

New Faculty Appointments. Dr. Schowengerdt informed the Board that there have been no new faculty appointments since the last meeting of the Board of Trustees, April 13, 1990.

RECORD OF PROCEEDINGS

Graduate School Admissions. Dr. Cordes provided the standard report for Fall 1990 graduate student admissions.

Enrollment - Admissions. Mr. Young provided the May 1, 1990 Admissions Report.

New Research Awards. Dr. Schowengerdt provided a report on new research award volume for April 1990. This month's volume is \$827,903 compared to \$947,477 for the same time period of the previous year. This results in a cumulative total for FY 1990 of \$9,585,276, which is \$243,191 behind the total for the same period in the previous year. Seventeen different faculty members were involved in fifteen new or add-on project awards.

Eleven proposals were submitted in the month of April 1990 compared to thirteen during the month of March 1990. A total to date of 172 proposals for FY 1990 have 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 Ten Months Ending April 30, 1990; State Appropriated Funding - Revenues, Expenditures and Other Changes for the Ten Months Ending April 30, 1990; Colorado School of Mines Auxiliary and Self-Funded Activities for the Ten Months Ending April 30, 1990; and Colorado School of Mines Time Deposits and Investment Report, April 30, 1990. It is his belief that the School is operating within the funds that can be made available for the 1990 fiscal year.

Environmental Health and Safety Report. Mr. MacPherson had submitted the report for the month of April 1990.

Institutional Advancement Reports. Mr. Powers provided the following reports prior to the meeting: Campaign for Colorado School of Mines Summary of Commitments for Fiscal Year 1990 through April 30, 1990; Colorado School of Mines Summary of Cash for Fiscal Year 1990 through April 30, 1990; and Campaign for Colorado School of Mines Summary of Commitments for Campaign to Date through April 30, 1990.

Legislative Report. Ms. Carr presented the report.

Visiting Committee Response. The Board unanimously approved the response to the visiting committee report for the McBride Honors Program.

Coolbaugh Hall Facility Program Plan. The Board unanimously approved the Plan and directed the staff to submit it to the CCHE for review and approval.

Fiscal Year 1990-91 Financial Plan. Dr. Weber had submitted the schedules for the proposed tuition and fees and the housing rates for the 1990-91 fiscal year. The Board expressed concern with regard to the proposed six percent increase in tuition and the proposed increase for the Associated Students fee from \$16.00 to \$25.00.

The proposed rates for the residence halls, residence hall activity fee, meal plans, Prospector Village and Mines Park remain at the same amounts as the previous year. There has been a slight reduction in the housing rates for field and summer terms.

RECORD OF PROCEEDINGS

2

Graduate School Admissions. Dr. Cordes provided the standard report for Fall 1990 graduate student admissions.

Enrollment - Admissions. Mr. Young provided the May 1, 1990 Admissions Report.

New Research Awards. Dr. Schowengerdt provided a report on new research award volume for April 1990. This month's volume is \$827,903 compared to \$947,477 for the same time period of the previous year. This results in a cumulative total for FY 1990 of \$9,585,276, which is \$243,191 behind the total for the same period in the previous year. Seventeen different faculty members were involved in fifteen new or add-on project awards.

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Legislative Report. Ms. Carr presented the report.

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The proposed rates for the residence halls, residence hall activity fee, meal plans, Propsector Village and Mines Park remain at the same amounts as the previous year. There has been a slight reduction in the housing rates for field and summer terms.

May 10, 1990

RECORD OF PROCEEDINGS

3

The administration is recommending a change in the auxiliary indirect cost rate from four percent to eight percent, with the traditional exemption allowed for student associations and the expenditures associated with the intercollegiate athletic accounts.

Discussion ensued, following which the Board unanimously approved the proposed Financial Plan for Fiscal Year 1990-91.

Proposed Agreement with Interlink. Dr. Schowengerdt informed the Board that the purpose of the agreement between CSM and Interlink Language Centers, Inc. is to provide CSM with an English language and cross-cultural training resource. To this end, ILC will establish an operating division, to be designated ILC/CSM, to serve as a research resource to CSM's Department of Global Systems and Cultures in its efforts to increase the contribution which CSM wishes to make to the international engineering and scientific community.

Discussion ensued, during which Drs. Schowengerdt and Pang reviewed the agreement.

The Board unanimously approved the agreement.

Faculty Senate Report: Dr. Brown presented the report from the Faculty Senate.

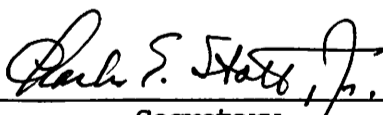
Plaque for Guggenheim. President Ansell discussed a letter which he received from Mrs. Barbara Crane, State of Colorado Historical Marker Chairman, National Society Colonial Dames XVII Century, in which she stated that her organization is devoted to education and historic preservation, and its members are interested in placing a bronze plaque in Guggenheim Hall. The plaque would honor the Colorado School of Mines as an outstanding educational institution.

The national President of the organization, Mrs. Walter Spaeth, will be in Golden on August 18, 1990, and would like to make the presentation at that time.

Inscription and placement of the plaque would be subject to the approval of the administration.

The Board unanimously approved the request.

The meeting was adjourned at 3:25 p.m., and the Board went into executive session.


Secretary

May 10, 1990

RECORD OF PROCEEDINGS

Golden, Colorado
June 7, 1990

The Board of Trustees met in regular session on June 7, 1990, at 7:20 p.m. at The Aspen Lodge.

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

Also attending the meeting were President Ansell; Vice Presidents Chevront, Geason, Powers and Schowengerdt; Dr. York, Executive Director of the CSM Foundation; Mr. Zehr, Executive Director of the CSM Alumni Association; Ms. Carr, Assistant to the President for External Relations; other staff members and visitors.

Mr. Pascoe presided.

Recognition of Mr. Lawler. Mr. Pascoe presented a silver Certificate of Appreciation to student Trustee David Lawler. The Certificate reads:

In recognition of his
loyal and meritorious service as
a member of the Board of Trustees,
this certificate is presented to
DAVID LAWLER
by the Board of Trustees upon the
occasion of expiration of the term
June thirtieth, One thousand nine hundred and ninety.

President Ansell introduced Dr. Ronald Geason, newly-appointed Vice President for Business Affairs.

Previous Minutes. The minutes of the meeting held on May 10, 1990, were approved as amended.

Approval of Faculty Appointments. Dr. Schowengerdt informed the Board that Faculty Handbook, Section 5.22, reads as follows:

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. Schowengerdt stated that department heads have requested appointments for the following faculty members for the 1990-91 academic year under this provision. He recommends Board approval.

Dr. David Updegraff, Chemistry and Geochemistry, to teach CHGN 428

Dr. Robert M. Hutchinson, Geology and Geological Engineering, to teach GE 221 and GE 317.

The Board unanimously approved the request.

RECORD OF PROCEEDINGS

2

New Faculty Appointments. Dr. Schowengerdt informed the Board that there have been no new faculty appointments since the last meeting of the Board of Trustees, May 10, 1990.

Graduate School Admissions. Dr. Cordes provided the standard report for Fall 1990 graduate student admissions.

Enrollment - Admissions. Mr. Young provided the June 1, 1990 Admissions Report.

New Research Awards. Dr. Schowengerdt provided a report on new research award volume for May 1990. This month's volume is \$1,586,751, with a cumulative total for the year of \$10,949,493. This places the School within reach of meeting or exceeding last year's volume, which totaled \$12,027,299.

Twenty-four proposals were submitted compared to eleven the prior month. To date, a total of 196 proposals have been submitted for the fiscal year.

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

Environmental Health and Safety Report. Mr. MacPherson had submitted the report for the month of May 1990.

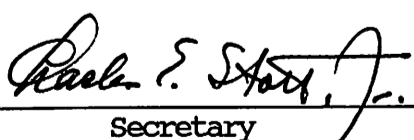
Institutional Advancement Reports. Mr. Powers provided the following reports prior to the meeting: Campaign for Colorado School of Mines Summary of Commitments for Fiscal Year 1990 through May 29, 1990; Colorado School of Mines Summary of Cash for Fiscal Year 1990 through May 29, 1990; and Campaign for Colorado School of Mines Summary of Commitments for Campaign to Date through May 29, 1990.

Legislative Report. Ms. Carr presented the report. She introduced Bonnie Geiger and Jerry Johnson of Colorado Legislative Services. Mr. Johnson gave a brief presentation.

Board Policies. The Board reviewed draft policies regarding diversity and political contributions. These policies will be presented for approval at the September Board meeting.

Mr. Lawler introduced Mr. Marty Powers, who will be the student representative to the Board for 1990-91.

The meeting was adjourned at 8:00 p.m., and the Board went into executive session.


Secretary

June 7, 1990

Corporate Resolution

The undersigned Secretary of the Board of Trustees of the Colorado School of Mines, a body corporate created by the laws of the State of Colorado, does hereby certify as follows:

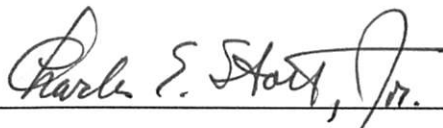
1. At a meeting of the Board of Trustees of said corporation duly called and held on June 1, 1990, at which a quorum was present and acting throughout, the following resolution was adopted, and the same now is in full force and effect:

RESOLVED, that George S. Ansell, President, or Ronald W. Geason, Vice President for Business Affairs and Treasurer, each are hereby authorized, directed and appointed as attorneys in fact for this corporation to sell, assign and transfer the whole or any part of the capital stock of all corporations presently held or hereinafter acquired in the name of the Colorado School of Mines; and

FURTHER RESOLVED, that all previous authorizations for signatures for the transfer of stock held in the corporation's name are revoked effective June 1, 1990.

2. The powers granted in this resolution are not contrary to the bylaws of such corporation or the statute creating the corporation.

IN WITNESS WHEREOF, I have hereunto set my hand as Secretary of the Board of Trustees of said corporation and affixed its corporate seal this 1st day of June 1990.



Charles E. Stott, Jr., Secretary
Board of Trustees of the
Colorado School of Mines

Resolution

RESOLVED, that George S. Ansell, President, or Ronald W. Geason, Vice President for Business Affairs and Treasurer, each are hereby authorized, directed and appointed as attorneys in fact for this corporation to sell, assign and transfer the whole or any part of the capital stock of all corporations presently held or hereinafter acquired in the name of the Colorado School of Mines; and

FURTHER RESOLVED, that all previous authorizations for signatures for the transfer of stock held in the corporation's name are revoked effective June 1, 1990.

RECORD OF PROCEEDINGS

Golden, Colorado
September 14, 1990

The Board of Trustees met in regular session on September 14, 1990, at 9:00 a.m.

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

Absent: Dr. McNulty.

Also attending the meeting were President Ansell; Vice Presidents Chevront, Geason, Powers and Schowengerdt; Dr. York, Executive Director of the CSM Foundation; Mr. Zehr, Executive Director of the CSM Alumni Association; Ms. Carr, Assistant to the President for External Relations; other staff members and visitors.

Mr. Pascoe presided.

Previous Minutes. The minutes of the meeting held on June 7, 1990, were approved.

Technical Changes to 1990-91 Budget, Dr. Geason reviewed the 1990-91 Budget Update and the 1989-90 Preliminary Financial Statement, which had been furnished to the Board prior to the meeting.

The Board unanimously approved the proposed changes.

Approval of IDS as an Additional Tax Sheltered Annuity Carrier. Dr. Geason informed the Board that IDS, a subsidiary of American Express Company, has requested Board approval as an additional Tax Sheltered Annuity carrier recognized by CSM. He said that he has received numerous inquiries from CSM staff indicating a desire to participate in this program through payroll deduction.

The Board unanimously approved the request to recognize IDS as an additional tax sheltered annuity at CSM.

Revision on Mandatory Insurance Coverage Policy. Dr. Geason stated that the State Colleges in Colorado Insurance Committee, of which CSM is a member, met on May 11, 1990 to review language regarding mandatory insurance coverage for contractual personnel. Contractual agreements with the carrier for health insurance, Blue Cross and Blue Shield of Colorado, require language specific to the contract.

A subcommittee comprised of members of the Insurance Committee reviewed statements from all colleges and developed one eligibility statement to be used by all colleges and universities currently participating under State Colleges in Colorado insurance plans.

Dr. Geason informed the Board that the Insurance Committee reviewed the recommendation and approved the language to be consistent with the requirements of the contract. It was agreed that this eligibility statement be presented to all governing boards involved for their approval. Once approved by the appropriate governing board, this policy statement will become a part of the various college handbooks.

The Board unanimously approved the revision.

RECORD OF PROCEEDINGS

2

Board Policies. The Board unanimously approved the policies dealing with diversity and political contributions.

Sabbatical Request. Dr. Schowengerdt recommended approval of the following sabbatical request:

Dr. Victor F. Yesavage
Professor
Chemical Engineering and Petroleum Refining
Member of the faculty since 1973 with no previous leave.

Dr. Yesavage has requested a sabbatical for the 1991 spring semester at three-fourths pay. He plans to use the leave for the purpose of deepening his level of expertise in the areas in which he is presently involved and those with which he anticipates having future involvement. To do this, Dr. Yesavage plans to do library research, attend conferences and visit with active researchers. He also plans to maintain his current research activities on campus.

The Board unanimously approved the request.

Drug Prevention Program Certification. President Ansell informed the Board that CSM must submit a Drug Prevention Program Certification to the U.S. Department of Education as a condition of CSM's receiving funds or any other form of federal financial assistance after October 1, 1990.

The Board unanimously approved the proposed document. President Ansell signed the Drug Prevention Program Certification form and it was forwarded to the U.S. Department of Education.

Recommended Additions to the Geophysics Visiting Committee. Dr. Schowengerdt recommended that the following persons be appointed to the Department of Geophysics Visiting Committee:

Prof. John F. Claerbout
Cecil H. Green Prof. of Exploration Geophysics
Stanford University

Prof. Nafi Toksoz
Prof. of Geophysics
Massachusetts Institute of Technology

Dr. James D. Robertson
Vice President, Geoscience Operations
ARCO Oil and Gas Company
Plano, Texas

Dr. Yoram Shoham
Manager, Applied Research Department
Shell Oil Company

Mr. Bruce C. Wentner
President
GEO Minerals Exploration Inc.
Ross, CA

RECORD OF PROCEEDINGS

3

Dr. Fred J. Hilterman
Vice President and Partner
Geophysical Development Corp.
Houston, Texas

The Board unanimously approved the appointments.

Teaching Contract for Dr. White. Dr. Schowengerdt requested that the Board approve the appointment of Dr. James e. White as Visiting Professor of Geophysics for the fall semester of the 1990-91 academic year. Because he is over 70 years old, his appointment must be renewed each year.

The Board unanimously approved the request.

Quasi Endowment. Dr. Geason informed the Board that in late June 1990, CSM received a bequest of \$400,000 from Eunice H. Melik in memory of her late husband, John S. Melik, '35. As Mrs. Melik's estate is finally settled, the school should receive an additional amount estimated to be around \$250,000. The Melik bequest is unrestricted.

The Board unanimously declared that in memory of the late John S. Melik, '35, the proceeds of the estate of Eunice H. Melik are herewith reserved as a quasi endowment.

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

Mr. Allo A. Anderson Adjunct Instructor in Environmental Sciences and Engineering Ecology	\$6,000 for the 1990-91 academic year
Ms. Sharyn Lee Baker Adjunct Assistant Professor of Humanities and Social Sciences and Choral Director	\$7,500 for the 1990-91 academic year
Ms. Gina L. Boice Computing Support Specialist	\$48,000 for September 1, 1990 through August 31, 1991
Ms. Heather Boyd Assistant Director of Residence Life	18,325 for August 27, 1990 through August 31, 1991
Dr. Louis Burkhardt Adjunct Assistant Professor of Humanities and Social Sciences	\$2,000 for the fall semester of the 1990-91 academic year
Ms. Jean B. Chorbajian Visiting Assistant Professor of Mathematical and Computer Sciences	\$9,000 for the fall semester of the 1990-91 academic year
Dr. Richard L. Christiansen Associate Professor of Petroleum Engineering	\$42,000 for the 1990-91 academic year

RECORD OF PROCEEDINGS

4

Dr. Timothy J. Coutts Adjunct Professor of Physics	No remuneration 1990-91 academic year
Dr. John B. Curtis Associate Professor of Geology and Geological Engineering	\$27,675 for the 1990-91 academic year
Ms. Gail H. Fernald Assistant Librarian/Information Services	\$12,166.67 for July 24, 1990 through August 21, 1991
Dr. Linda A. Figueroa visiting Assistant Professor of Environmental Sciences and Engineering Ecology	\$39,000 for the 1990-91 academic year
Dr. Michael J. Haun Assistant Professor of Metallurgical and Materials Engineering	\$45,000 for the 1990-91 academic year
Ms. Michelle Kidwell Adjunct Instructor in Mathematical and Computer Sciences	\$14,000 for the 1990-91
Dr. Mark W. Longman Adjunct Associate Professor of Geology and Geological Engineering	\$3,000 for the fall semester of the 1990-91 academic year
Dr. Stephen A. Marinello Assistant Professor of Petroleum Engineering	\$36,000 for the 1990-91 academic year
Dr. Nigel T. Middleton Associate Professor of Engineering	\$43,500 for the 1990-91 academic year
Dr. Jan Olek Assistant Professor of Engineering	\$40,000 for the 1990-91 academic year
Mr. Michael T. Ozog Adjunct Instructor in Mineral Economics	\$3,000 for the fall semester of the 1990-91 academic year
Mr. Patrick D. Poore Instructor in Physical Education and Athletics and Assistant Football/Head Softball Coach	\$15,360 for the 1990-91 academic year
Dr. Robert H. Stolt Adjunct Professor of Geophysics	No remuneration 1990-91 academic year

Continuation of Appointment

Dr. Richard K. Ahrenkiel Adjunct Professor of Physics	No remuneration 1990-91 academic year
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RECORD OF PROCEEDINGS

5

Ms. Candace S. Ammerman Instructor in EPICS	\$13,750 for the fall semester of the 1990-91 academic year
Mr. Ravel F. Ammerman Instructor in Engineering	\$31,800 for the 1990-91 academic year
Ms. Glenda Buzbee Adjunct Instructor in Mathematical and Computer Sciences	\$9,450 for the fall semester of the 1990-91 academic year
Dr. Istvan Dobozi Visiting Professor of Mineral Economics	\$55,000 for the 1990-91 academic year
Mr. Michael J. George Instructor in EPICS	\$27,500 for the 1990-91 academic year
Dr. Duane A. Haugen Adjunct Professor of Mathematical and Computer Sciences	\$21,000 for the 1990-91 academic year
Dr. E. A. Howard, III Adjunct Assistant Professor of Environmental Sciences and Engineering Ecology	\$9,000 for the 1990-91 academic year
Dr. Lawrence L. Kazmerski Adjunct Professor of Physics	No remuneration 1990-91 academic year
Dr. James R. Kunkel Adjunct Associate Professor of Geology and Geological Engineering	\$1,500 for the fall semester of the 1990-91 academic year
Mr. Ross R. McClure Adjunct Assistant Professor of Humanities and Social Sciences and Band Director	\$7,500 for the 1990-91 academic year
Dr. Thomas J. McInerney Adjunct Associate Professor of Humanities and Social Sciences	\$2,500 for the fall semester of the 1990-91 academic year
Dr. Nalini R. Mitra Adjunct Professor of Physics	\$33,208 for the 1990-91 academic year
Mr. George W. Pring Adjunct Professor of Environmental Sciences and Engineering Ecology	\$6,500 for the 1990-91 academic year
Mr. Edward G. Rapp Instructor and Projects Coordinator of EPICS	\$17,000 for the 1990-91 academic year
Ms. Cheryl A. Ray Adjunct Assistant Professor of Humanities and Social Sciences	\$4,000 for the fall semester of the 1990-91 academic year

RECORD OF PROCEEDINGS

6

Ms. Lori E. Seward Adjunct Instructor in Mathematical and Computer Sciences	\$6,000 for the fall semester of the 1990-91 academic year
Dr. Bruce P. Van Haveren Adjunct Assistant Professor of Environmental Sciences and Engineering Ecology	\$3,000 for the fall semester of the 1990-91 academic year

Reappointment After Interruption

Ms. Nadee Jensen-Kopec Adjunct Assistant Professor of Mineral Economics	\$2,600 for the fall semester of the 1990-91 academic year
Dr. Catherine Kraeger-Rovey Adjunct Associate Professor of Geology and Geological Engineering	\$1,500 for the fall semester of the 1990-91 academic year
Dr. Silver C. Miller Visiting Assistant Professor of Engineering	\$37,500 for the 1990-91 academic year
Mr. John W. Robinson Adjunct Instructor in Geology and Geological Engineering	\$4,000 for the fall semester of the 1990-91 academic year

Graduate School Admissions. Dr. Kidnay provided the standard report for Fall 1990 graduate student admissions.

Enrollment - Admissions. Dr. Chevront furnished a ten year statistical report; Mr. Young provided the September 1, 1990 Admissions Report; Mr. Spaulding furnished Fall 1990-91 Enrollment Statistics; and Mr. Koester provided a report on historical trends in federal, Colorado and CSM funding for grants and scholarships.

New Research Awards. Dr. Kidnay provided reports on new research award volume for June, July and August 1990.

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

Environmental Health and Safety Report. Mr. MacPherson had submitted the report for the months of June, July and August 1990.

Institutional Advancement Reports. Mr. Powers provided the Report from the Office of Institutional Advancement for 1989-90.

RECORD OF PROCEEDINGS

7

Mr. Powers announced the appointments of Dr. Jack Fistler to the position of Assistant Vice President for Institutional Advancement and Ms. Bernadine Prince to the position of Associate Director of Major Gifts.

Mr. Wood presented the Trustee Development Committee report, and announced that the committee will be meeting on October 18. He announced that Dr. Charles Cook of Phillips Petroleum Company and Drs. Jim Brown and Ken Lerner of CSM have become members of the committee.

Visiting Committee Responses. The Board unanimously approved the proposed response to the Visiting Committee for the Department of Mineral Economics. Mr. Pascoe indicated that further discussion was required on the proposed response to the Visiting Committee for the Department of Chemical Engineering and Petroleum Refining.

Assessment Report. Dr. Olds had provided The Colorado School of Mines Annual Assessment Report for 1990. She informed the Board that the report has to be submitted to the CCHE by November 1, 1990, and requested Board approval to forward the report to the CCHE.

The Board unanimously approved the request.

Faculty Senate Report. Dr. Brown provided a written report to the Board as he was unable to attend the Board meeting.

ROTC Report. Ms. Carr presented a report on the Army's proposal to eliminate the ROTC program at Mines.

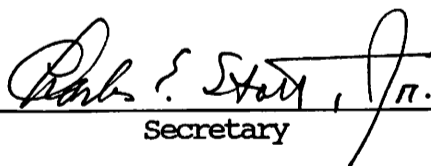
Legislative Report. Ms. Carr presented the report.

Affirmative Action Report. Dr. Schowengerdt presented the report.

Academic Planning Council Report. Dr. Schowengerdt presented the report.

The Board voted, five in favor and one abstention, to modify its employment agreement with President Ansell.

The meeting was adjourned at 10:35 a.m., and the Board went into executive session.


Secretary

September 14, 1990

RECORD OF PROCEEDINGS

Golden, Colorado
October 12, 1990

The Board of Trustees met in regular session on October 12, 1990, at 9:00 a.m.

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

Absent: Mr. Joseph.

Also attending the meeting were President Ansell; Vice Presidents Chevront, Geason, Powers and Schowengerdt; Mr. Zehr, Executive Director of the CSM Alumni Association; Ms. Carr, Assistant to the President for External Relations; other staff members and visitors.

Mr. Pascoe presided.

Previous Minutes. The minutes of the meeting held on September 14, 1990, were approved with the following corrections: It should be noted that Mr. Powers was sworn in at the October 11, 1990 meeting and, on page 3, James E. White's middle initial should be capitalized.

Sabbatical Request. Dr. Schowengerdt recommended approval of the following sabbatical request:

Dr. Jean L. Bell
Associate Professor
Mathematical and Computer Sciences
Member of the faculty since 1983 with no previous leaves.

Dr. Bell has requested sabbatical leave for the 1991-92 academic year at one-half pay. She plans to spend the year doing research as a visiting professor in collaboration with Dr. Dennis Tsichritzis at the University of Geneva in Switzerland. The final product of Dr. Bell's research would be a technical report, which could then be the basis for journal articles on the object-oriented rules approach, and its application to scientific databases.

The Board unanimously approved the request.

Name Change for Graduate Degrees. Dr. Schowengerdt and the faculty of the Metallurgical and Materials Engineering Department recommended that the name of the major for graduate degrees in the Department of Metallurgical and Materials Engineering be changed to:

Metallurgical and Materials Engineering

This is in keeping with both the name of the department and the undergraduate degree offered by the department and is essentially a housekeeping action that is somewhat overdue. The Department of Metallurgical and Materials Engineering currently offers two graduate degrees, i.e. Metallurgy, and Metallurgical Engineering, which were adopted in 1918 when the focus was strictly metallurgical. However, the current teaching and research programs within the department are concerned with the broad range of engineering materials e.g. ceramics, composites, intermetallic compounds, as well as metals.

The Board unanimously approved the request.

RECORD OF PROCEEDINGS

2

Security Resolution. The following security 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
Franklin D. Schowengerdt, Vice President for Academic Affairs
Ronald W. Geason, Vice President for Business Affairs
Arthur J. Kidnay, Dean of Graduate Studies and 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 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 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, and need not be processed for a personnel security clearance.

OFFICERS

David L. Powers, Vice President for Institutional Advancement
Harold Chevront, Vice President for Student Affairs

BOARD MEMBERS

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

RECORD OF PROCEEDINGS

3

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

Mr. Moncef Attias Adjunct Instructor in Arabic	\$1,800 for the fall semester of the 1990-91 academic year
Dr. Thomas E. Barnard Visiting Assistant Professor of Environmental Sciences and Engineering Ecology	\$39,000 for the 1990-91 academic year
Dr. Michael G. Dietrich Visiting Associate Professor of Geophysics	No remuneration October 1, 1990 through September 31, 1991
Dr. Ingrid Popa Fotino Visiting Assistant Professor of Mathematical and Computer Sciences	\$6,000 for the fall semester of the 1990-91 academic year
Ms. Susan J. Guyer Executive Assistant to the Vice President for Business Affairs	\$33,500 for September 4, 1990 through August 31, 1991
Mr. Robert K. Murray Adjunct Associate Professor of Mining Engineering	\$2,500 for the fall semester of the 1990-91 academic year
Dr. Alan J. Scott Adjunct Associate Professor of Geology and Geological Engineering	\$3,000 for the fall semester of the 1990-91 academic year
Ms. Takako Wada Adjunct Instructor in Japanese	\$1,800 for the fall semester of the 1990-91 academic year
Ms. Jenifer L. White Advisor to Sororities and Panhellenic Council	\$1,000 for September 1, 1990 through May 31, 1991

Continuation of Appointment

Dr. David W. Beaty Adjunct Associate Professor of Geology and Geological Engineering	No remuneration 1990-91 academic year
Dr. James F. Ely Adjunct Professor of Chemical and Petroleum Refining Engineering	\$3,900 for the fall semester of the 1990-91 academic year
Dr. Lee C. Gerhard Adjunct Professor of Geology and Geological Engineering	No remuneration 1990-91 academic year
Dr. Samuel S. Goldich Adjunct Professor of Geology and Geological Engineering	No remuneration 1990-91 academic year academic year

RECORD OF PROCEEDINGS

4

Ms. Joanne Greenberg Adjunct Assistant Professor of Humanities and Social Sciences	\$7,500 for the 1990-91 academic year
Dr. Robert D. Hamilton Adjunct Associate Professor of Geology and Geological Engineering	No remuneration 1990-91 academic year
Dr. Richard L. Harlan Adjunct Professor of Geology and Geological Engineering	No remuneration Fall semester of the 1990-91 academic year
Ms. Roberta Hodkowski Adjunct Instructor in English as a Second Language	\$2,200 for the fall semester of the 1990-91 academic year
Dr. Hossein Kazemi Adjunct Professor of Petroleum Engineering	\$6,342 for the fall semester of the 1990-91 academic year
Dr. Robert D. Knecht Adjunct Professor of Chemical Engineering and Petroleum Refining	\$7,850 for the fall semester of the 1990-91 academic year
Dr. James R. Kunkel Adjunct Associate Professor of Geology and Geological Engineering	\$3,000 for the spring semester of the 1990-91 academic year
Dr. Peter J. McCabe Adjunct Associate Professor of Geology and Geological Engineering	No remuneration Fall semester of the 1990-91 academic year
Mr. Fred Meissner Adjunct Professor of Geology and Geological Engineering	No remuneration Fall semester of the 1990-91 academic year
Dr. Harold W. Olsen Adjunct Research Professor of Engineering	No remuneration 1990-91 academic year
Mr. T. James Reynolds Adjunct Assistant Professor of Geology and Geological Engineering	No remuneration 1990-91 academic year
Dr. Reuben J. Ross, Jr. Adjunct Professor of Geology and Geological Engineering	No remuneration 1990-91 academic year
Ms. Thais da Silva Adjunct Instructor in Portuguese	\$2,000 for the fall semester of the 1990-91 academic year
Dr. Robert J. Sterrett Adjunct Associate Professor of Geology and Geological Engineering Engineering Ecology	No remuneration 1990-91 academic year

RECORD OF PROCEEDINGS

5

Reappointment After Interruption

Dr. Thomas J. Cook Adjunct Associate Professor of Mineral Economics	\$5,000 for the spring semester of the 1990-91 academic year
Dr. Richard H. DeVoto Adjunct Professor of Geology and Geological Engineering	No remuneration 1990-91 academic year
Dr. Franklin E. Grange Adjunct Assistant Professor of Mathematical and Computer Sciences	\$4,000 for the fall semester of the 1990-91 academic year
Dr. Thomas D. Riley Adjunct Assistant Professor of Humanities and Social Sciences	\$2,000 for the fall semester of the 1990-91 academic year
Dr. Daniel T. Teitelbaum Adjunct Professor of Environmental Sciences and Engineering Ecology	\$3,800 for the fall semester of the 1990-91 academic year

Graduate School Admissions. Dr. Kidnay provided the standard report for Fall 1990 and Spring 1991 graduate student admissions.

Enrollment - Admissions. Mr. Spaulding provided the Fall 1990 Registrar's Report. Regular enrollment reports will resume in December.

New Research Awards. Dr. Kidnay provided reports on new research award volume for September 1990.

Monthly Financial Reports. Dr. Geason provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Three Months Ending September 30, 1990; State Appropriated Funding - Revenues, Expenditures and Other Changes for the Three Months Ending September 30, 1990; Colorado School of Mines Auxiliary and Self-Funded Activities for the Three Months Ending September 30, 1990; and Colorado School of Mines Time Deposits and Investment Report, September 30, 1990.

The members of the Board expressed best wishes to Dr. Weber as he departs CSM for a new position at Regis College.

Environmental Health and Safety Report. Mr. MacPherson had submitted a report for the month of September 1990.

Institutional Advancement Reports. Mr. Powers provided the following reports: Campaign for Colorado School of Mines - Summary of Commitments for Fiscal Year 1991 Through September 30, 1990; Colorado School of Mines - Summary of Cash for Fiscal Year 1991 Through September 30, 1990 and Campaign for Colorado School of Mines - Summary of Commitments for Campaign to Date Through September 30, 1990.

Mr. Wood reported that Frank Erisman will chair the 1990-91 Annual Fund and Bill Engle will chair the 1990-91 Alumni Fund. Both are members of the President's Council.

RECORD OF PROCEEDINGS

6

CCHE Program Review. Dr. Schowengerdt commented on the CCHE Existing Program Review Annual Summary Report which we are required to submit each year. A copy of the report was provided for each Board member.

Visiting Committee Responses. The Board unanimously approved the proposed response to the visiting committees for the Departments of Chemical Engineering and Petroleum Refining and Metallurgical and Materials Engineering.

Sabbatical Reports. Ms. Gail Klock, Associate Professor of Physical Education and Athletics reported on her sabbatical leave which was taken during the 1989-90 academic year. Dr. John Cieslewicz, Associate Professor of Global Systems and Cultures, reported on his sabbatical leave which was taken during the spring semester of the 1989-90 academic year.

Faculty Senate Report. Dr. Brown commented on the written report which he distributed to the Board.

Legislative Report. Ms. Carr presented the report.

Report From the Faculty Salary Working Group. Dr. John Hager presented a report on behalf of the Faculty Salary Working Group which met on campus during the summer of 1990 to discuss the issue of faculty salaries at CSM. The same presentation was given to faculty members at the August 1990 faculty conference.

Medalists. The Board voted unanimously to approve the three candidates who had been nominated for Mines Medals.

The meeting was adjourned at 10:50 a.m., and the Board went into executive session.


Secretary

October 12, 1990

RECORD OF PROCEEDINGS

Golden, Colorado
October 12, 1990

The Board of Trustees met in regular session on October 12, 1990, at 9:00 a.m.

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

Absent: Mr. Joseph.

Also attending the meeting were President Ansell; Vice Presidents Chevront, Geason, Powers and Schowengerdt; Mr. Zehr, Executive Director of the CSM Alumni Association; Ms. Carr, Assistant to the President for External Relations; other staff members and visitors.

Mr. Pascoe presided.

Previous Minutes. The minutes of the meeting held on September 14, 1990, were approved with the following corrections: It should be noted that Mr. Powers was sworn in at the October 11, 1990 meeting and, on page 3, James E. White's middle initial should be capitalized.

Sabbatical Request. Dr. Schowengerdt recommended approval of the following sabbatical request:

Dr. Jean L. Bell
Associate Professor
Mathematical and Computer Sciences
Member of the faculty since 1983 with no previous leaves.

Dr. Bell has requested sabbatical leave for the 1991-92 academic year at one-half pay. She plans to spend the year doing research as a visiting professor in collaboration with Dr. Dennis Tsichritzis at the University of Geneva in Switzerland. The final product of Dr. Bell's research would be a technical report, which could then be the basis for journal articles on the object-oriented rules approach, and its application to scientific databases.

The Board unanimously approved the request.

Name Change for Graduate Degrees. Dr. Schowengerdt and the faculty of the Metallurgical and Materials Engineering Department recommended that the name of the major for graduate degrees in the Department of Metallurgical and Materials Engineering be changed to:

Metallurgical and Materials Engineering

This is in keeping with both the name of the department and the undergraduate degree offered by the department and is essentially a housekeeping action that is somewhat overdue. The Department of Metallurgical and Materials Engineering currently offers two graduate degrees, i.e. Metallurgy, and Metallurgical Engineering, which were adopted in 1918 when the focus was strictly metallurgical. However, the current teaching and research programs within the department are concerned with the broad range of engineering materials e.g. ceramics, composites, intermetallic compounds, as well as metals.

The Board unanimously approved the request.

RECORD OF PROCEEDINGS

Golden, Colorado
November 9, 1990

The Board of Trustees met in regular session on November 9, 1990, at 9:00 a.m.

Trustees present: Messrs. Joseph, McNulty, Powers and Stott.

Absent: Ms. Allen and Messrs. Miller, Pascoe and Wood.

Also attending the meeting were President Ansell; Vice Presidents Chevront, Geason, Powers and Schowengerdt; Dr. Brown, faculty representative; Mr. Zehr, Executive Director of the CSM Alumni Association; Ms. Carr, Assistant to the President for External Relations; other staff members and visitors.

Mr. Stott presided.

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

Mr. Edgardo Zelaya Cabballero Visiting Associate Professor of Geology and Geological Engineering	No remuneration Fall semester of the 1990-91 academic year
Dr. Wallace H. Campbell Adjunct Professor of Geophysics	No remuneration Spring semester of the 1990-91 academic year
Dr. Mohan M. Vijay Visiting Professor of Mining Engineering	No remuneration 1990-91 academic year

Continuation of Appointment

Mr. Fred F. Meissner Adjunct Professor of Geology and Geological Engineering	\$4,000 for the spring semester of the 1990-91 academic year
Dr. Richard L. Harlan Adjunct Professor of Geology and Geological Engineering	\$2,000 for the spring semester of the 1990-91 academic year

Reappointment After Interruption

Dr. Thomas J. Cook Adjunct Associate Professor of Mineral Economics	\$5,000 for the spring semester of the 1990-91 academic year
Dr. Benjamin F. Leonard Adjunct Professor of Geology and Geological Engineering	No remuneration Fall semester of the 1990-91 academic year
Dr. Gordon M. Matheson Adjunct Assistant Professor of Geology and Geological Engineering	No remuneration 1990-91 academic year

RECORD OF PROCEEDINGS

2

Dr. David M. Updegraff Adjunct Professor of Chemistry and Geochemistry	\$2,700 for the fall semester of the 1990-91 academic year
Dr. J. Edward White Visiting Professor of Geophysics	\$13,130 for the fall semester of the 1990-91 academic year

Graduate School Admissions. Dr. Kidnay provided the standard report for Spring 1991.

Enrollment - Admissions. Regular enrollment reports will resume in December.

New Research Awards. Dr. Kidnay provided reports on new research award volume for October 1990.

Monthly Financial Reports. Dr. Geason provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Four Months Ending October 31, 1990; State Appropriated Funding - Revenues, Expenditures and Other Changes for the Four Months Ending October 31, 1990; Colorado School of Mines Auxiliary and Self-Funded Activities for the Four Months Ending October 31, 1990; and Colorado School of Mines Time Deposits and Investment Report, October 31, 1990.

Environmental Health and Safety Report. Mr. MacPherson had submitted a report for the month of October 1990.

Institutional Advancement Reports. Mr. Powers provided the following reports: Campaign for Colorado School of Mines - Summary of Commitments for Fiscal Year 1991 Through October 29, 1990; Colorado School of Mines - Summary of Cash for Fiscal Year 1991 Through October 29, 1990 and Campaign for Colorado School of Mines - Summary of Commitments for Campaign to Date Through October 29, 1990.

Sabbatical Report. Dr. Norm Bleistein, who was on sabbatical leave during the 1989-90 academic year, reported on his activities during his leave.

Report on Center for Exploration Geoscience Computing and Status Report on Capital Construction and Controlled Maintenance Projects. Mr. Clearwater presented a report on the status of the CEGC construction project and reviewed the status report on capital construction and controlled maintenance projects on the CSM campus.

Faculty Senate Report. Dr. Brown presented the report.

Legislative Report. Ms. Carr presented the report.

BOT Conference Recommendations. Dr. Schowengerdt presented a summary of the recommendations which came out of the 1990 Board of Trustees Conference and discussed the progress on the implementation of those recommendations.

The meeting was adjourned at 10:05 a.m., at which time the Board members who were present went into executive session.

RECORD OF PROCEEDINGS

3

The meeting was reconvened at 11:05 a.m. upon the arrival of Ms. Allen, at which time a quorum was present.

Previous Minutes. The minutes of the meeting held on October 12, 1990, were approved.

Sabbatical Requests. Dr. Schowengerdt recommended approval of the following sabbatical request:

Dr. John C. Emerick
Associate Professor
Environmental Sciences and Engineering Ecology
Member of the faculty since 1980 with no previous leave.

Dr. Emerick has requested a sabbatical leave at one-half pay for the 1991-92 academic year. He plans to finish some ongoing research activities with USGS, complete some writing projects and develop plans and teaching materials for courses to be taught at CSM.

Dr. Eric P. Nelson
Associate Professor
Geology and Geological Engineering
Member of the faculty since 1981 with no previous leave.

Dr. Nelson has requested a sabbatical leave at one-half pay for the 1991-92 academic year. He plans to pursue a major resource study in Chile in collaboration with the USGS and the Chilean Geological Survey.

Dr. John E. Tilton
Coulter Professor of Mineral Economics and Department Head
Mineral Economics
Member of the faculty since 1985 with no previous leave.

Dr. Tilton has requested a sabbatical leave at one-half pay for the fall of 1991 and the fall of 1992. During the fall of 1991, he plans to be a Visiting Scholar at the Energy and Natural Resources Division of Resources for the Future in Washington, D.C. He plans to spend the fall of 1992 working abroad.

The Board unanimously approved the request.

Visiting Committee Additions. Dr. Schowengerdt stated that the following persons are suggested replacement members for the visiting committees for the departments of Mineral Economics and Metallurgical and Materials Engineering:

Mineral Economics Department

Dr. Abdulaziz S. Al-Jarbou
President
Saudi Arabian Amiantit Group of Companies
Riyadh, Saudi Arabia

Mr. Jack L. Rivkin
Director of Worldwide Equities
Shearson Lehman Hutton
New York, NY

RECORD OF PROCEEDINGS

4

Mr. Chester B. Stone, Jr.
President, COO and Director
Cyprus Minerals Company
Denver, Colorado

Metallurgical and Materials Engineering Department

Dr. Terry Mohr
Director of Research
The Timken Company
Canton, Ohio

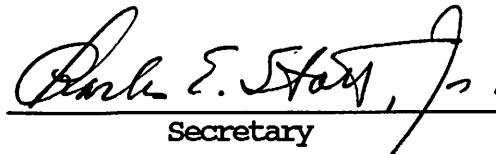
Dr. Bruce R. Palmer
Director of Research
Kerr-McGee Corp.
Oklahoma City, Oklahoma

Dr. Uma Chowdhry
Director of Research
Dupont Experimental Station, Electronics Department
Wilmington, Delaware

Visiting Committee Responses. The Board unanimously approved the proposed responses to the visiting committees for the Departments of Humanities and Social Sciences and Environmental Sciences and Engineering Ecology.

Excellence Grants. The board approved the Excellence Award reports for the McBride Honors Program and the EPICS Program. The reports will be submitted to CCHE.

The meeting was adjourned at 11:15 a.m.


Secretary

November 9, 1990

RECORD OF PROCEEDINGS

Golden, Colorado
December 14, 1990

The Board of Trustees met in regular session on December 11, 1990, at 9:00 a.m.

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

Absent: Mr. Miller.

Also attending the meeting were President Ansell; Vice Presidents Chevront, Geason, and Schowengerdt; Dr. Fistler, Assistant Vice President/Campaign Director; Dr. Brown, faculty representative; Mr. Zehr, Executive Director of the CSM Alumni Association; Ms. Carr, Assistant to the President for External Relations; other staff members and visitors.

Mr. Pascoe presided.

Previous Minutes. The minutes of the meeting held on November 9, 1990, were approved.

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 were approved for degrees on the dates specified, subject to the completion of all academic requirements and continued compliance with school requirements and regulations.

Sabbatical Requests. Dr. Schowengerdt recommended approval of the following sabbatical requests:

Dr. Betty Jo Cannon
Associate Professor
Humanities and Social Sciences
Member of the faculty since 1978 with a previous sabbatical in calendar year 1984.

Dr. Cannon has requested a sabbatical leave at one-half pay for the 1991-92 academic year. She plans to write a series of articles which might later be collected into a book. She might also work on a second book during the leave period.

Dr. James W. Crafton
Associate Professor
Petroleum Engineering
Member of the faculty since 1981 with no previous leave.

Dr. Crafton has requested a sabbatical leave at one-half pay for the 1991-92 academic year in order to investigate new concepts in oil and gas well drilling, update teaching methods and explore research initiatives.

RECORD OF PROCEEDINGS

2

Dr. Joseph D. Sneed
Professor
Humanities and Social Sciences
Member of the faculty since 1980 with no previous leave.

Dr. Sneed has requested a sabbatical leave for the 1991-92 academic year at one-half pay. He has applied for a Fulbright Grant to spend the academic year at the Universidad Autonoma Metropolitana (UAM) - Ixtapala in Mexico City teaching philosophy of science and directing thesis work.

Dr. Walter W. Whitman
Professor
Geophysics
Member of the faculty since 1982 (previously a member of the faculty from 1966 through 1978) with no previous sabbatical leave (leave without pay during the 1971-72 academic year).

Dr. Whitman has requested a sabbatical leave for the 1991-92 academic year at one-half pay in order to research in the areas of well logging and petrophysics.

Dr. Ronald V. Wiedenhoefl
Professor
Humanities and Social Sciences
Member of the faculty since 1979 with a previous sabbatical leave during the 1984-85 academic year.

Dr. Wiedenhoefl has requested a sabbatical leave for the 1991-92 academic year at one-half pay in order to spend the year in Germany working on a book project entitled Humanizing German Streets.

Dr. Thomas R. Wildeman
Professor
Chemistry and Geochemistry
Member of the faculty since 1967 with no previous leave.

Dr. Wildeman has requested an "in-house" sabbatical leave for the 1991-92 academic year in order to complete work on some wetlands projects. He will not be leaving the area but would be released from normal faculty responsibilities in order to see projects to conclusion.

The Board unanimously approved the requests.

Faculty Handbook/Patent Policy. Dr. Schowengerdt reviewed the proposed changes. He stated that the new CSM Patent Policy is included as Appendix G. The appendix section has been reorganized and updated to reflect the new faculty evaluation system which was implemented for 1990.

The Board unanimously approved the proposed changes to the Faculty Handbook, including the new CSM Patent Policy.

Bylaws of the Board of Trustees. The Board unanimously approved the amended Bylaws of the Board of Trustees.

Mr. Pascoe left the meeting at this time.

RECORD OF PROCEEDINGS

3

New Faculty Appointments. Dr. Schowengerdt stated that there are no new faculty appointments to report at this time.

Graduate School Admissions. Dr. Kidnay provided the standard report for Spring 1991.

Enrollment - Admissions. Mr. Young provided the December 1, 1990 Admissions Report.

New Research Awards. Dr. Kidnay provided reports on new research award volume for November 1990.

Monthly Financial Reports. Dr. Geason provided the following monthly reports prior to the Board meeting: Current Funds Revenues, Expenditures, and other Changes for the Five Months Ending November 30, 1990; State Appropriated Funding - Revenues, Expenditures and Other Changes for the Five Months Ending November 30, 1990; Colorado School of Mines Auxiliary and Self-Funded Activities for the Five Months Ending November 30, 1990; and Colorado School of Mines Time Deposits and Investment Report, November 30, 1990.

Environmental Health and Safety Report. Mr. MacPherson had submitted a report for the month of November 1990.

Institutional Advancement Reports. Dr. Fistler provided the following reports: Campaign for Colorado School of Mines, Office of Institutional Advancement - Fiscal Year 1991 Development Report Summary; Campaign for Colorado School of Mines - Summary of Commitments for Fiscal Year 1991 Through November 30, 1990; Colorado School of Mines - Summary of Cash for Fiscal Year 1991 Through November 30, 1990; and Campaign for Colorado School of Mines - Summary of Commitments for Campaign to Date Through November 30, 1990.

ATO Update - Sale and New Construction. Mr. Dunn Krahl presented a progress report.

BOT Policy - Competition with Private Business. The draft policy was presented for Board review. It will be submitted for approval at the January 1991 Board meeting.

Sabbatical Reports. Drs. Kenneth Edwards and Richard Hutchinson reported on sabbaticals taken during the 1989-90 academic year.

Placement Report. Ms. Doyle presented a report on placement of BS graduates for June 1989-May 1990.

Faculty Senate Report. Dr. Brown presented the report.

Legislative Report. Ms. Carr presented the report.

Fire Safety Report. Mr. MacPherson presented the report.

December 14, 1990

Secretary

The meeting was adjourned at 10:50 a.m., and the Board went into executive session.

RECORD OF PROCEEDINGS