

RECORD OF PROCEEDINGS

It was moved, seconded and passed to approve the proposed Distribution of Literature Policy Statement, copy of which is appended hereto.

Report on Presidential Search Advisory Committee. Mr. Wood reported that the Committee is on schedule and has just about completed the process of examining the list of those who have applied on their own. The Committee has now begun to examine responses concerning persons who have been nominated. He said that the Committee has received about 107 applicants, and the quality of many of the nominees is extremely high.

Mr. Henderson indicated his pleasure at the work which the Committee is doing.

Mines Medal Recipients. Mr. Schwartzberg requested that the discussion concerning the Mines Medal recipients be off the record so that the names will not be disseminated prematurely.

President McBride said that the Committee, acting on the instructions of the Board, submitted names to the Board informally and received instructions from the Board to contact the four persons nominated to determine whether or not they wished to accept the Medal. These four persons have indicated that they will be honored to accept the Medal. They are:

Fred A. Anderson
Clark B. Carpenter (posthumous)
Bruce M. Rockwell
Robert J. Weimer

The Board unanimously approved awarding the Mines Medal to the above-named persons.

Keystone 1984. After some discussion, the Board determined that the same timetable will be used as has been used at past Keystone meetings.

The meeting was adjourned at 11:00 a.m., and the Board went into executive session.


Secretary

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Mr. Robert Miller displayed a copy of the report which included also a copy of the report of the committee.

Discussion ensued during which Mr. Miller requested that a report from the committee be prepared. Mr. Miller stated that the committee would be prepared to report.

The committee reported that the committee had been organized for the purpose of...

Mr. Miller stated that the committee had been organized for the purpose of... and that the committee had been organized for the purpose of...

Mr. Miller stated that the committee had been organized for the purpose of... and that the committee had been organized for the purpose of...

Copy of certified report is enclosed herewith.

Legislative Report. Mr. Miller stated that the committee had been organized for the purpose of... and that the committee had been organized for the purpose of...

Mr. Miller stated that the committee had been organized for the purpose of... and that the committee had been organized for the purpose of...

Dr. Miller stated that he and Mr. Johnson had been organized for the purpose of... and that the committee had been organized for the purpose of...

It was the consensus of the board that the committee be organized for the purpose of...

Description of Legislative Policy Statement. Mr. Miller stated that the committee had been organized for the purpose of... and that the committee had been organized for the purpose of...

RECORD OF PROCEEDINGS

Mr. Robert Fuller displayed a composite site map, which included site considerations, site questions, and community benefits.

Discussion ensued during which Mr. Schwartzberg requested that a person from CSM be appointed to work with Mr. Fuller. President McBride said that Mr. Scott will represent CSM.

Mr. Schwartzberg thanked Messrs. Watrous and Fuller for their report.

Dormitory Financing. Mr. Dunn Krahl of Boettcher & Company distributed and reviewed bond resolutions, Preliminary Official Statement dated December 2, 1983, contract and purchase agreement. He answered questions and said that he needs Board approval of the purchase agreement (letter form) and formal Board acceptance of the certified record.

Mr. Pascoe moved approval of the purchase agreement and acceptance of the certified record. Messrs. Wilson and Warren seconded the motion, with the Board giving unanimous approval.

Copy of certified record is appended hereto.

Legislative Report. Dr. Nyikos said that the Joint Budget Committee (JBC) has convened a hearing for higher education on January 3, 1984. The JBC will follow the same format used last year. The meeting will be broken into two parts; the morning and early afternoon will involve preplanned issues to be spoken to under guidelines of the CCHE, with the late afternoon session devoted to hearing from members of governing boards.

Dr. Nyikos said that on December 20, 1983 there will be a staff briefing by the JBC regarding the issues it will be interested in discussing on January 3. Dr. Nyikos plans to attend the briefing.

Dr. Nyikos said that he and CSM legislative liaison Mrs. Geiger and Mr. Johnson are in the process of planning for the next session of the General Assembly. Discussion ensued concerning format for legislative luncheons. Mr. Schwartzberg expressed concern regarding the time constraints of the legislators. Dr. Nyikos said that he will discuss this problem with Geiger and Johnson.

It was the consensus of the Board that the format for the legislative luncheons is satisfactory.

Distribution of Literature Policy Statement. Dr. Nyikos reviewed the proposed policy statement which was developed by student leaders, the Admissions Office, the Student Activities people and Mr. Kaiser of the Attorney General's office. The proposed statement had been distributed to the members of the Board prior to the meeting. Dr. Nyikos stated that he is not entirely satisfied with the proposed statement, but it is in compliance with the law.

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DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING) - DECEMBER

Hammon, Duncan Lyle

DOCTOR OF PHILOSOPHY (GEOLOGY) - DECEMBER

Hendricks, Michael L.

DOCTOR OF PHILOSOPHY (GEOPHYSICS) - DECEMBER

Lee, Tai Sup

DOCTOR OF PHILODOPHY (APPLIED CHEMISTRY) - DECEMBER

Smith, Garon Corder

Table of Needs. Dr. Romberger reviewed high priority educational objectives, high priority research objectives, high priority faculty development objectives, high priority student objectives, high priority facility and campus environment objectives, and high priority miscellaneous special initiative objectives. He said that these items were prioritized by the President's staff and by Mr. Robbins of the Foundation.

Extended discussion followed at the conclusion of which the Trustees approved in principle the revised Table of Needs as presented. It was recognized that this approval presaged a need to decide, in concert with the Board of Directors of CSMF, in what manner future development activities will be characterized, staffed, and operated to satisfy the needs. For example, the current resource fund might be continued but with the new table of needs in place of the old or, alternatively, the current resource fund might be terminated and a new one mounted. President McBride and Mr. Robbins were directed to consider these and other possibilities and to bring proposals to both Boards for review and adoption.

In the course of the discussion the Board was made aware that the School has for many years created and utilized ad hoc visiting committees to assess the progress, problems and needs of the various option departments. Several Trustees asked to be made more closely aware of such activities and to receive copies of current and future reports.

Mr. Schwartzberg thanked Dr. Romberger for his presentation.

Mining Hall of Fame Report. Mr. Doug Watrous reported that directors' meetings will be held more frequently and asked if a person from CSM could be designated to offer advice on site and architectural problems and who could attend the meetings. He said that some advice will also be needed with regard to the option to lease. He reported that the architectural firm of Fuller Fuller & Associates has been hired to work out a site plan. He said that the option to lease contains a clause that the museum must conform to the present architecture of the School of Mines in accordance with guidelines promulgated by the American Museum Association. Mr. Watrous distributed a list of Fuller Fuller & Associates CSM Projects.

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Flanigan, David A.
Frank, Wayne L.
Hubis, Mark Joseph
Lally, Kevin Joseph
Maholland, Michael Kent
Sparks, Kevin Alan

MASTER OF SCIENCE (GEOPHYSICS) - DECEMBER

Abdelmalik, Mohamed B.A.
Burgett, William Allen
Grupp, Steven R.
Haberman, Scott Aron
Kim, Kun Deuk
Plybon, Steven C.
Rhea, Barbara Susan
V., Raul Santiago
Watkins, Gary Lee

MASTER OF SCIENCE (GEOPHYSICAL ENGINEERING) - DECEMBER

Lane, Franklin David

MASTER OF SCIENCE (CHEMISTRY) - DECEMBER

Frauenhoff, Greg R.

MASTER OF SCIENCE (GEOCHEMISTRY) - DECEMBER

Higley, Debra K.

MASTER OF SCIENCE (MATHEMATICS) - DECEMBER

Losta, Mansor Mohamed
Tidball, Jean McLarty

MASTER OF SCIENCE (PHYSICS) - DECEMBER

Brown, Joseph D.

MASTER OF SCIENCE (MINERAL ECONOMICS) - DECEMBER

Brossia, Charles Edward
Bryson, Robert Allen
Durham, Mary D.
Hecker, Susan R.
Long, Frank G.
Nielsen, Jeannette Louise
Nielsen, Kurt Robert
Obata, Hiroyuki
Ramos Barnola, Hector Gustavo
Rhian, Ann
Sawada, Kenji
Schultz, Frank L.
Serrano, Forado Leonor
Watson, Wayne W.

DOCTOR OF PHILOSOPHY (METALLURGY) - DECEMBER

Anderson, Ted Lynn

RECORD OF PROCEEDINGS

Creighton, John Patrick
Johnson, Randall Lee
Kilthau, Patricia Suzanne
McDonnell, William Andrew
Powers, Sharon Kay
Raab, John Howard
Ramstetter, David Wayne*
Terry, Thomas Andrew*

MASTER OF SCIENCE (MINING ENGINEERING)- DECEMBER

Bessinger, Stephen L.
Disbrow, David Alan
Samaniego Bordiu, Francisco Javier

MASTER OF SCIENCE (MINE HEALTH AND SAFETY) - DECEMBER

Bilhorn, Susan Gay

MASTER OF ENGINEERING (METALLURGICAL ENGINEER) - DECEMBER

Abdulgader Sed, Saleh A.

MASTER OF SCIENCE (METALLURGICAL ENGINEERING) - DECEMBER

Battle, Thomas P.
Cornejo Figueroa, Leonardo M.
Coubrough, Gary J.
El-Hakimi Salama, Abdurrahman Ali
Rodriguez, Enrique Elorza
Gibbs, W. Scott
Li, Songren
Li, Taie
Lira, Jorge Carlos
Miller, Peter Warren
Nance, Milo
Rense, Charles E. C.

MASTER OF SCIENCE (GEOLOGY) - DECEMBER

Franczyk, Karen J.
Graaskamp, Garret William
Hill, Virginia Speed
Pawlewicz, Mark J.
Rehn, Warren M.
Shanley, Keith William
Shannon, Lee Taylor
Weber, Janine Florence

MASTER OF ENGINEERING (PETROLEUM ENGINEER) - DECEMBER

Albuja Ribadeneira, G. Fernando

MASTER OF SCIENCE (PETROLEUM ENGINEERING) - DECEMBER

de Andrade Neto, Jose Lima

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING) - DECEMBER

Feuerherm, Harry R., Jr.

RECORD OF PROCEEDINGS

Baker, Charles Winfield
Bunnell, David Lee
Cavarra, Joseph Daniel
Collins, Bruce Alan
Cooke, Brenda Carol
Dirth, Michael Allen
Gargan, Kevin Eugene
Hunter, Lynn Renee
Joyce, Timothy Patrick
Kane, Susan Joan
Keanini, Russell Guy
Kort, Leland Brian*

Macary, David Michael
Moore, Walter Arthur
Oaks, Kristi Michelle
Payne, Stephen Boyd
Peterson, David E.
Rhine, Daniel Raymond
Roan, Philip Francis, III
Stewart, Ralph Roland, Jr.
Weller, Glenn DeVon
Westfall, William Todd
Wolf, Daniel Edward
Zarbis, James T.

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING) - DECEMBER

Bacon, Bradley James
Bain, John Edwin
Beck, Dawn Christine
Bisque, Stephen M.
Boh, Thomas Michael
Breeding, Nathan John
Brooks, Charles Scott
Campen, Adele Dominique
Clement, Shereen Le
Cook, Stephen Wendell
Criss, Charles Jason
Degner, Richard Alan
Dohe, Allison Anne
Duoos, Philip Harold
Howe, John Taylor
Israel, Laurance Bennett
Jackson, Keith Arnold
Jirikowic-Bercovici, Julie A.*
Koshak, Marianne May
Lindsey, Brian J.

Walette, Lisa Lynn
Mancinelli, Joseph Anthony
Morris, Daniel Scott James
Mueller, Tanya Lynn
Oberle, Mark Alan
Oldham, Scott Michael
Pilcher, Roxanne Louise
Rice, Shawn Lloyd
Rosener, Timothy A.
Scherrer, Michael Allen
Sease, Paul Alan
Smith, Cynthia A.
Snyder, Gary Lee
Tenney, David Charles
Toland, Ronald James
Vogt, Gail Theresa
Walkoff, Harry Reid
Weihe, John Gibson
Work, John Willis

BACHELOR OF SCIENCE (MINERAL ENGINEERING CHEMISTRY) - DECEMBER

Kort, Leland Brian*
Schenderlein, William Kurt

BACHELOR OF SCIENCE (MINERAL ENGINEERING MATHEMATICS) - DECEMBER

Gates, James C.
Jirikowic-Bercovici, Julie A.*
McCasland, Holly Christine
Read, Robert Fred

BACHELOR OF SCIENCE (MINERAL ENGINEERING PHYSICS) - DECEMBER

Jensen, Christian Joseph
Nelson, Brent Philip
O'Brien, Martin Joseph

BACHELOR OF SCIENCE (ENGINEERING) - DECEMBER

Boucher, Paul Warren
Brown, James David

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BACHELOR OF SCIENCE (MINING ENGINEERING) - DECEMBER

Bayer, Kerry Ray	Michael, Nicholas
Birkeness, Arne Paul	Neunuebel, Scott Douglas
Brady, Roger Arnold	Poling, David Jerome
Brown, Scott Murdock	Ramstetter, David Wayne*
Buchanan, Timothy Lee	Reeves, Richard Gordon
Clark, Thomas Alton	Roberts, Keith Sterling
Critikos, Peter	Slocum, Paul Lincoln
Ducommun, Todd Michael	Smisek, David Jerome
Eros, Leonard Alexander	Strange, Sterling Thomas
Frederick, Scott Robert	Vera, Pedro Pablo
Gammill, Craig Lawrence	Wesson, Charles Cory
Goddard, David Roland	Willoughby, Richard B.
Groven, Connie Gail Barnes	Young, David Kenneth
Hancock, James Lee	Yungmeyer, Harold R., Jr.
Kuchta, Mark E.	Zirinsky, Mark Allen
Long, Michael Paul	

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING) - DECEMBER

Buchanan, Michelle Ann	Kurtz, Scott Alan
Burns, Michael Gavin	Newton, Christopher M.
Jensen, Michelle Ann	Stave, Deryck Lynn

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING) - DECEMBER

Ackerman, Mitchell Dean	Kelly, Sean Peter
Adee, Gregory Lynn	Krasovec, Thomas Joseph
Agba, Leonard	Kuehn, Alice Rachel
Berlin, John Edward	Mahanke, Ward Lee
Canil, Mark Albert	Miyoshi, Kerry Richard
Farrell, John Gregory	Mosimann, Monika Gertrud
Friesen, Kent Alan	Sanchez, Gary Joseph
Fulmer, Jeffrey Everett	Shephard, Christopher E.
Gosar, Joan M.	Stanfield, Virginia Ann
Gottlieb, Daniel Mark	Steinborn, Margaret Mary
Greubel, Scott Paul	Terry, Thomas Andrew*
Guest, Peter Russell	Trumpolt, Clayton W., Jr.
Harpham, Stephen Taylor	Winter, Michael Francis
Hill, Jennifer Ann	

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING) - DECEMBER

Balderston, Mark Allan	McPherson, Steve Douglas
Brown, Evelyn Eileen	Mullen, Arthur Leo, III
Cho, John Kyungku	Nordlander, Kurt Alan
Covlin, Elise Bobette	Petrakis, Peter
Cox, David Layton	Reiling, Benny Lee
Decker, Michael George	Schultz, Jonathan Scott
Ethridge, Scott Charles	Stafsholt, John Alan
Gotner, Darren Ray	Starzer, Michael Ray
Hagist, Peter Warren	Turner, Thomas Scott
Herring, Stanely Dale	Visser, Diana Lynn
Knepp, Lyle Bruce	Wade, Ronald Dean
Kirz, Phillip Alan	Wayman, David Lee
Mares, Neal Price, Jr.	

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING) - DECEMBER

Anderson, Richard Shawn	Lobmeyer, Dennis Allen
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RECORD OF PROCEEDINGS

Golden, Colorado
December 9, 1983

The Board of Trustees met in regular session on December 9, 1983, at 8:00 a.m.

Trustees present: Messrs. Coors, Henderson, Pascoe, Rosenzweig, Schwartzberg, Warren, Wilson and Wood.

Mr. Schwartzberg presided.

Also attending the meeting were President McBride, Vice Presidents Golden, Nyikos, Robbins and Scott, Deans Gentry and Romberger, and other staff members, visitors, and a representative of the press.

Previous Minutes. The minutes of the meeting held on November 11, 1983 were approved as distributed. President McBride stated that the portion of those minutes dealing with the ERL termination matter will now be distributed to Dr. Applegate and his attorney, Mr. Ross.

Mr. Pascoe entered the meeting at this time.

Monthly Financial. Mr. Scott made available the monthly reports as follows: Current Funds Comparison with Budget Five Months Ending November 30, 1983; Current Funds - Summary by Fund for the Five Months Ending November 30, 1983; and Time Deposits and Investment Report 11/30/83. It is his belief that the School is operating within the accepted financial plan for the 1983 fiscal year.

Admissions. Mr. Young stated that his office has received between 1100 and 1200 applications for admission this year, which is fewer than last year. He said that changes have been made in recruiting methods and that his office has redesigned publications which are given to prospective students. He said that the quality of students applying for admission is the same as in the past.

Discussion ensued concerning having an information session on enrollment and recruitment. This will probably occur in the near future. (Later decided to occur January 13, 1984).

Calendar of Major Events. Mr. Schwartzberg called the Board's attention to the Alumni Association luncheon on December 13 and the banquet on December 15.

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

SECURITY RESOLUTION

AGENDA ITEM 3-h

Be it resolved by the Board of Trustees of the Colorado School of Mines that those persons occupying the following positions at the Colorado School of Mines shall be known as Managerial Group as described in the Industrial Security Manual for Safeguarding Classified information.

Guy T. McBride, Jr.	President
John O. Golden	Vice President for Academic Affairs
W. Gordon Scott	Vice President for Business Affairs

That the President and the other members of the Managerial Group currently hold, have been processed, or will be processed for a personal security clearance for access to classified information to the level of the facility clearance granted to this institution as provided for in the aforementioned Industrial Security Manual.

That the said Managerial 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 its Industrial Security Program awarded to the Colorado School of Mines.

That the following named officers and members of the Board of Trustees and the Colorado School of Mines administrative officers shall not require, shall not have, and can be effectively excluded from access to all positions that would enable them to affect adversely the policies and practices of the University 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 personnel security clearance.

Officers - CSM Trustees

Fred R. Schwartzberg	President
Rocky Mountain Materials and Technology, 2050 S. Oneida St., #116, Denver, Colorado 80224	

Russell L. Wood	Vice President
Louisiana Land Exploration Co., Suite 660 West Point Bldg., 3900 S. Wadsworth Blvd., Lakewood, Colorado 80235	

Don K. Henderson	Secretary
HBB, Inc., 777 Pearl St., Denver, Colorado 80203	

CSM Trustees

William K. Coors -- Adolph Coors Company, Golden, Colorado 80401

Monte Pascoe -- Ireland, Stapleton, Pryor & Pascoe, Attorneys at Law, 1675 Broadway Suite 2600, Denver, Colorado 80202

Jasper N. Warren -- Goldrus Drilling Co., 900 FCNB Bldg., Houston, Texas 77002

James C. Wilson -- Rocky Mountain Energy Co., 10 Longs Peak Dr., P. O. Box 2000, Broomfield, Colorado 80020

Lon Rosenzweig -- (CSM Student) 1250 Golden Circle, #504, Golden, Colorado 80401

CSM Administrative Officers

Michael S. Nyikos -- Vice President of Student Affairs and Dean of Students

Martin D. Robbins -- Vice President for Development, Executive Director of the Colorado School of Mines Foundation

Samuel B. Romberger -- Dean of Graduate Studies and Research

Donald W. Gentry -- Dean of Undergraduate Studies

RECORD OF PROCEEDINGS

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Security Clearance. Dr. Golden presented a resolution necessitated by the need for security clearance on certain research contracts and changes in personnel.

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

Sabbatical Requests. President McBride reviewed the academic leave requests for 1984-85, submitted by Dr. Golden on November 10, 1983. He recommended that the following requests be approved:

Dr. Robert H. Faddick, Engineering Department
Financial support for the full academic year at
50% salary

Dr. Kent Voorhees, Chemistry and Geochemistry Department
Financial support for the full academic year at 50% salary

Dr. Daniel M. Bass, Jr., Petroleum Engineering Department
Financial support for the full academic year at 50% salary

Dr. Thomas Philipose, Humanities and Social Sciences Department
Financial support for the full academic year at 50% salary

It was moved, seconded and passed to approve the recommendations.

EPICS Advisory Committee. Mr. Henderson distributed minutes of the EPICS Advisory Committee dated October 11, 1983.

The meeting was adjourned at 12:45 p.m., and the Board went into executive session.


Secretary

November 11, 1983

RECORD OF PROCEEDINGS

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this and immediately prior meetings, but that he would be glad to set aside some time for a presentation on this subject.

It was therefore decided that the Board meeting scheduled for Friday, December 9, 1983, will begin at 8:00 a.m. There will be a one-hour presentation on the table of needs.

Report on Presidential Search Advisory Committee. Mr. Wood reported that the Committee has now met three times. He distributed a list of characteristics which the Committee has determined a person should possess in order to be president of CSM. He said that the Committee has received both a significant number of nominations and a number of applications, the latter in response to the advertisements which have been run in various journals. He stated that the Committee is operating within its budget and within its time frame. He reported that Mr. Al Ringhofer has been selected to be the classified staff's representative on the Advisory Committee.

Legislative Report and JBC Request. Following a brief report by Vice President Nyikos on general legislative developments, he and President McBride presented to the Board two sets of papers in response to the two questions in the Joint Budget Committee letter of October 31, 1983 to the Colorado Commission on Higher Education and forwarded by it as appropriate to the individual institutional governing boards.

The first paper dealt with the proposed response of the CCHE to the first question in the JBC letter, i.e. what suggestions could the Commission make on dealing with future general fund appropriation levels in the range 60 to 110 percent of the current year number. This paper comprised a summary of the CCHE proposed response with comments as to Mines' reaction and/or suggestions for improvement. The Board of Trustees reviewed this paper and indicated by consensus that it considered the paper suitable to be forwarded to the Commission staff.

The second paper, prepared in response to the second question in the JBC letter, comprised three concept futures for the School of Mines under conditions of seriously reduced general fund appropriations to the School: Across-the-board reductions, elimination of underclass courses by accepting only transfers and conversion of the degree structure from discipline specific to generic. Each of the three concepts was discussed, the question for the Board being whether or not each or all of them should be advanced in the Board's behalf to the Commission and the JBC.

The Board authorized further work by the administration on each of the three concepts with the understanding that more completely developed papers will be available for careful consideration and approval or disapproval at the December Board meeting.

Proposal to Vacate Fifteenth Street. President McBride noted that the street is in a bad state of repair. It appears that the City of Golden would probably prefer to vacate this street to us instead of repairing it. He requested permission to go to the City and ask it to vacate Fifteenth Street between Illinois and Arapahoe Streets.

It was moved, seconded and passed to request that Fifteenth Street be vacated.

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Military Science Report. Col. Richard Anderschat of the Military Science Department reported that the Department of the Army has completed its annual review and analysis of the Reserve Officers Training Corps (ROTC) program at the School of Mines. The ROTC program at Mines has been in evaluation status. As a result of positive efforts and leadership, the School's present and projected enrollment has exceeded the Department of Defense minimum criteria, and the School of Mines has been removed from evaluation status.

Col. Anderschat reviewed his memorandum dated November 10, 1983 concerning the state of ROTC at Mines. He discussed the goals of the program and said that there will be a reduction in cadre to four officers and four non-commissioned officers for the 1984-85 academic year. Therefore, he may need to come to the Board next fall and request a reevaluation of the mandatory requirement of Military Science in the freshmen year.

Col. Anderschat expressed his appreciation for the support shown by the Board, and Mr. Schwartzberg thanked Col. Anderschat for his report.

Mr. Henderson asked that the minutes reflect the Board's appreciation for the historical role which the Military Science Department has played on this campus and for the ongoing support not only in teaching classes but for a willingness to impact other aspects of the curriculum. He pledged the Board's continued support of the program.

The Board expressed unanimous approval of Mr. Henderson's pledge.

Further discussion ensued concerning the role of Military Science in CSM recruiting efforts.

CSM Alumni Association. Mr. Schwartzberg recognized the presence of Dr. William Mueller and pointed out that Dr. Mueller is serving as Interim Executive Director of the Alumni Association. He welcomed him back in his new role.

Revised 1983-1984 Budget. President McBride stated that although this is a housekeeping item, it does create additional spending authority of significant magnitude. Mr. Scott reviewed the 1983-84 Revised Budget Education and General, dated November 11, 1983, and stated that this is a further attempt to come back to the Board more frequently with the status of the budget as it changes during the year.

Extensive discussion ensued, following which Mr. Scott responded to questions concerning the status of CSMRI. ERL deficit was also discussed.

It was moved, seconded and passed to approve the 1983-84 Revised Budget, dated November 11, 1983.

Table of Needs. Dr. Golden reviewed the list of priorities in Draft #8 of the Table of Needs, October 5, 1983 update. He proposed to give an approved table of needs to the CSM Foundation.

Mr. Robbins of the Foundation said that he would like to have the table of needs validated by the Board, even though the major priorities tend to remain fairly constant.

Mr. Wilson said that he feels a presentation by the administration on the table of needs prior to such approval would be helpful. President McBride said that he has felt constrained by the length of the agenda at

November 11, 1983

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Mr. Ross thanked the Board for the opportunity to speak. He believes that the Faculty Review Committee was asked to make a legal decision, which it was not qualified to do. He said that the real question was whether or not ERL was being run as a true auxiliary enterprise within the Colorado School of Mines. The Director did not have control over hiring, expenditures and billing. If ERL had been permitted to serve as it should have been, ERL would not be in the position which it is today. If ERL is not an auxiliary enterprise, Dr. Applegate cannot be terminated unless there is a lack of funds.

Mr. Kaiser stated that Dr. Applegate had the opportunity to present his evidence before the Faculty Review Committee. The Committee found that a financial exigency existed and that Dr. Applegate's termination was justified. It is noteworthy that no transcript of the Committee's decision has been furnished to the Trustees.

Dr. Applegate and his counsel left the meeting at this point in the meeting.

Mr. Pascoe said that he believes that there are two questions: one is whether a financial exigency existed in ERL, and the second is whether the manner in which the termination was handled was appropriate. In view of his understanding of the entire situation and his conclusions thereupon, Mr. Pascoe moved that the Board accept the Faculty Review Committee Report of October 5, 1983 and the President's report based thereon, and further that the Board direct no change in either.

President McBride suggested that the attorneys present be asked if this is a proper motion under the circumstances. Messrs. Kaiser and Williams agreed that the motion that Mr. Pascoe made is a proper motion.

Mr. Wilson emphasized that the motion does imply Board support of the next to the last paragraph of the report from the Review Committee (dealing with surveillance of accounting procedures). It is the Board's intention to act on those recommendations.

Mr. Schwartzberg indicated that the afternoon information session of the Board will deal with budget and financial management, and affirmed that the motion connoted agreement with the recommendation in the next to the last paragraph of the Review Committee report.

It was moved, seconded and passed to approve Mr. Pascoe's motion (above).

Mr. Pascoe suggested that several Trustees be appointed to work closely with the administration on management control activities. Mr. Schwartzberg agreed and asked Messrs. Pascoe, Wilson and Coors to work closely with the administration on matters of research and grant accounting and to advise the Board of the steps being taken to improve management procedures in these areas. Mr. Schwartzberg asked that Mr. Pascoe coordinate this effort with Messrs. Coors and Wilson.

Mr. Henderson requested that the minutes reflect the fact that Dr. Applegate is a consultant for Mr. Henderson's business interests, and that Mr. Henderson believes Dr. Applegate to be competent and honest.

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Monthly Financial. Mr. Scott made available and reviewed the monthly reports as follows: Current Funds Comparison with Budget for the Months Ending October 31, 1983; Current Funds - Summary by Fund for the Four Months Ending October 31, 1983; and Time Deposits and Investment Report October 31, 1983. It is his belief that the School is operating within the accepted financial plan for the 1983 fiscal year.

Dr. Weber reviewed the ERL Financial Position dated November 10, 1983. The total ERL operation is scheduled for closing as of December 31, 1983, with an estimated deficit of approximately \$320,000.

Admissions. Mr. Young reported that the first written admissions report will be prepared on December 1. Dr. Nyikos said that we seem to be having a normal fall recruiting season with nothing unusual to report.

President's Report on ERL Termination. President McBride reported that by administrative action the then Director of the Exploration Research Laboratory (ERL), Dr. James K. Applegate, was terminated effective July 6, 1983. There has been considerable correspondence with Dr. Applegate and attorneys on both sides. According to page 2-24, et seq of the Faculty Handbook, Dr. Applegate was afforded the opportunity to have a Faculty Review Committee hearing, and this Committee provided a report, which is dated October 5, 1983. President McBride considered the report and decided that, in view of all of the circumstances portrayed therein, he would sustain the recommendation of the Committee, which confirmed the termination of Dr. Applegate. A copy of the report was made available to Dr. Applegate. A copy of the report was also made available to the members of the Board.

Under the Handbook provisions the Board has three options. It can, first, take no action whatsoever or it can, second, approve the report. In the case of either of these actions, the Faculty Handbook provides that the action is sustained and it will be in effect as announced to Dr. Applegate. If the Board wishes to change the action, the report may be modified or may be remanded to the Faculty Review Committee with specific questions. Dr. Applegate and his attorney have been advised that this is an open meeting and that their appearance and comments are at the discretion of the Board.

Mr. Schwartzberg acknowledged the presence at the meeting of Dr. Applegate and of his attorney, Mr. William Ross, and said that they would be permitted ten minutes of agenda time to speak to the issue before the Board. He cautioned them that the only information that could be heard is information which had already been presented to the Review Committee.

President McBride introduced Mr. Larry A. Williams and Mr. Charles Kaiser of the Attorney General's Office, the former acting as counsel to the Board.

Dr. Applegate briefly summarized a number of matters dealing with his termination from ERL. He maintained that he was guaranteed a teaching position in the Geophysics Department, which did not happen, he feels that he has been made the scapegoat for several members of the administration and of the faculty, he alleged that statements have been made by members of the administration and of the faculty charging him with malfeasance, he stated that he generated revenue, which he didn't have to do, he averred that ERL was supposed to be operated as an auxiliary enterprise and that it was not, and finally he alleged that the accounting system designed for ERL was done by someone who was not an accountant.

November 11, 1983

RECORD OF PROCEEDINGS

Golden, Colorado
November 11, 1983

The Board of Trustees met in regular session on November 11, 1983, at 9:30 a.m. (Due to executive session preceding the regular Board meeting, the meeting did not begin until 9:30 a.m.)

Trustees present: Messrs. Coors, Henderson, Pascoe, Rosenzweig, Schwartzberg, Warren, Wilson and Wood.

Mr. Schwartzberg presided.

Also attending the meeting were President McBride, Vice Presidents Golden, Nyikos, Robbins and Scott, Deans Gentry and Romberger, and other staff members, visitors, and a representative of the press.

Previous Minutes. The minutes of the meeting held on October 14, 1983 were approved as distributed.

Faculty Appointments. Dr. Golden reviewed the report to the Board, dated November 11, 1983, as follows.

Continuation of Appointment:

Donald G. Davis Adjunct Associate Professor of Petroleum Engineering	\$3,410 for the fall semester of the 1983-84 academic year
Martin B. Goldhaber Adjunct Professor of Chemistry and Geochemistry	No salary

Change in Status:

Jean L. Bell
Assistant Professor of Mathematics

Dr. Bell was under contract as Instructor with the understanding that she would be advanced to Assistant Professor upon conferral of the doctoral degree. She received her Ph.D. from the University of Colorado in August.

Salary Supplements:

Donald G. Davis Adjunct Associate Professor of Petroleum Engineering	\$2,640 for the fall semester of the 1983-84 academic year
Paul D. Newendorp Adjunct Professor of Petroleum Engineering	\$2,525 for the fall semester of the 1983-84 academic year
John W. Warme Professor of Geology	\$15,000 for the 1983-84 academic year

Change of Department Head:

At the request of Dr. Golden, Dr. T. Graham Hereford was asked to resign as head of the Department of Humanities and Social Sciences. Dr. Donald W. Gentry, Dean of Undergraduate Studies, has accepted stewardship of the department until such time as a new department head can be selected.

October 14, 1983

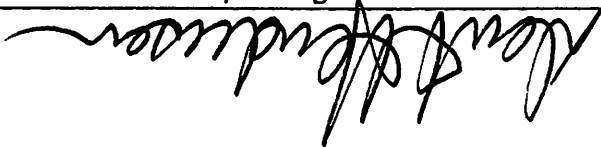
1983-84 REVISED BUDGET

EDUCATION AND GENERAL

	<u>CURRENT BUDGET</u>	<u>RECOMMENDED REVISED BUDGET</u>	<u>DIFFERENCE</u>	
<u>INCOME</u>				
General Fund	\$ 8,815,947	\$ 8,745,123	\$ <70,824>	SB 422 @ -2.1% from LB; 16 Res SFTE=\$62,336
Tuition	10,101,221	9,707,824	<393,397>	Enrollment Down by 69 students.
Other Cash	1,348,915	1,348,915		
Outreach	-----	<u>30,000</u>	<u>30,000</u>	Not Previously Budgeted.
TOTAL	\$20,266,083	\$19,831,862	\$<434,221>	
<u>EXPENSE</u>				
Exempt	10,043,663 249.4 FTE	9,988,432 248.4 FTE	<55,231>	Compensation Savings
Classified	4,939,086 208.1 FTE	4,874,096 207.1 FTE	<64,990>	Compensation Savings
Graduate Assistant	908,214 38.1 FTE	908,214 38.1 FTE		
Hourly	156,242 13.2 FTE	156,242 13.2 FTE		
Operating Expense/ Travel	2,259,350	2,091,350	<168,000>	No Increase-83,000; Research Support-85,000
Learning Materials	245,173	245,173		
Utilities	1,129,681	1,104,681	<25,000>	Revised Budget is Still 30% > 1982-83 Actual
ADP Equip Payments	303,400	303,400		
Capital Outlay/ Fabrication	281,274	160,274	<121,000>	
Unallocated	-----	-----	-----	
TOTAL	\$20,266,083 508.8 FTE	\$19,831,862 506.8 FTE	\$<434,221>	

October 14, 1983

Secretary

A handwritten signature in cursive script, appearing to read "Robert H. Anderson", is written over a horizontal line.

The meeting was adjourned at 11:25 a.m., and the Board went into executive session.

RECORD OF PROCEEDINGS

RECORD OF PROCEEDINGS

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Legislative Report. Dr. Nyikos told the Board that the Legislature has adjourned and will reconvene on October 20. He believes that the total recession for higher education will be 2.1%. The Legislature's solution to budget problems will be a combination of tax increases and budget cuts.

Proposed CSMF Policy on Endowment Management. President McBride told the Board that at its most recent meeting the CSMF Board took certain action with regard to the income from endowment funds and forecast certain other actions. The CSMF Board has asked the CSM Board to react to these actions. President McBride said that he believes it is the proper position of the administration to provide information with regard to these actions. This has been done.

Discussion ensued, following which it was concluded that further information will be offered to the Board no later than the December meeting.

Proposed Topics for Student/Trustee Forum. Mr. Rosenzweig reviewed list of proposed topics for the Student/Trustee forum scheduled for Tuesday, November 8, 1983, at 4:00 p.m., in Metals Hall. He asked that each Trustee in attendance make a short presentation following which there will be a question and answer period.

Report on Presidential Search Advisory Committee. Mr. Wood reported that the committee has now been selected and the first meeting is scheduled for Tuesday, October 18, 1983, from 5:30 to 7:30 p.m. At that time a charter of the committee will be reviewed together with a meeting schedule. Members of the committee are Mr. Wood and Mr. Henderson, Dr. John Golden of the administration, Dr. William Copeland, department head, Mr. Edward Warren and Dr. James Applegate of the Alumni Association, Mr. Jim Frey and Ms. Cheryl Lebsock, students, Dr. Louis York of the CSMF Board, and Prof. William Astle and Dr. Dendy Sloan from the faculty. The committee is assembling lists of names of persons to be contacted during the search, and advertisements have been prepared for journals. Mr. Wood emphasized that anyone who has suggestions should submit them to the committee.

Mr. Henderson reported that thus far the committee has spent approximately \$1,000.

CCHE Report on College Expectations/Remedial Education. Mr. Coors explained that a joint Committee on College Expectations/Remedial Education was created by the CCHE and the State Department of Education. The primary objective of this committee was to study and develop recommendations concerning expectations of college-entering students and remedial education. On October 6, 1983, the committee presented its findings at a joint meeting of the CCHE and the State Board of Education, which Mr. Coors attended. The report has the tentative approval of the CCHE, and the CCHE would like feedback from the various governing boards.

Discussion ensued concerning definition of "remedial", and Mr. Coors called the Board's attention to a list of the committee members who prepared this report.

President McBride stated that the members of the administration have obligated themselves to provide an administration white paper in response to this report so that the Board can consider it in advance of its next meeting.

October 14, 1983

RECORD OF PROCEEDINGS

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Discussion ensued, following which it was moved, seconded and passed to approve the revised 1983-84 budget for CSM (copy attached).

CERI Budget. President McBride reviewed the present CERI situation and reviewed options outlined in Mr. Case's memorandum dated October 11, 1983.

President McBride, as Principal Administrative Officer of CERI, recommended that the Board direct CERI to continue in full operation as long as the money holds out, which is projected to be until April 1, 1984. Legislative officials and the personnel at CERI are to be notified of this action. Provisions included in the proposed action are to submit a supplemental budget request for the purpose of continuing CERI until July 1 and to submit a budget request to permit the continuation of CERI for fiscal year 1984-1985.

It was moved, seconded and passed to adopt the recommendation of President McBride.

Dormitory Financing. Mr. Dunn Krahl of Boettcher and Company reviewed a draft of Preliminary Official Statement and the Bond Resolution, which is the legal document by which the Board incurs debt. He will return to the Board in November with further information.

There was a favorable consensus on the part of the Board to accept the documents for review. Mr. Schwartzberg asked that the Board be informed when the rating takes place.

Report on Energy and Minerals Field Institute Continuation. Dr. Hepworth explained that a letter was written by President McBride to all past donors of the Institute asking for their opinions regarding continuation of the Institute. She said that the responses have been generally affirmative, and she read excerpts from several letters. She said that during the next two and one-half-month "transition period" Institute Director Dr. Gary Baughman will devote a large portion of his time to fund raising. She distributed articles written about the Institute following the field session in July 1983.

President McBride asked for authorization to allow the Institute to proceed on the basis of deficit spending.

It was moved, seconded and passed to approve President McBride's recommendation.

Academic Leave Report, Dr. George Kennedy. Dr. Golden introduced Dr. Kennedy, who was on academic leave for the 1982-83 academic year.

Mr. Wilson entered the meeting at this time.

Dr. Kennedy reviewed the year and gave a slide presentation. He spent some time as a visiting professor at the University of the South Pacific on Fiji and at the University of Auckland in New Zealand. He discussed the benefits of his leave for him and his family and reviewed academic leave cost analysis.

Mr. Schwartzberg thanked Dr. Kennedy for his report.

October 14, 1983

RECORD OF PROCEEDINGS

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Eric P. Nelson Atlantic Richfield Foundation Assistant Professor of Geology	\$7,500 for the 1983-84 academic year
Fred H. Poettman Professor of Petroleum Engineering	\$10,000 for the 1983-84 academic year
E. Dendy Sloan Phillips Petroleum Professor of Chemical and Petroleum-Refining Engineering	\$750 per month for the calendar year beginning September 1, 1983
Robert S. Thompson Assistant Professor of Petroleum Engineering	\$5,500 for the calendar year beginning September 1, 1983
Craig W. Van Kirk Professor and Head Petroleum Engineering Department	\$10,900 for the 1983-84 academic year
John D. Wright Instructor in Petroleum Engineering	\$5,500 for the calendar year beginning September 1, 1983
Victor F. Yesavage Union Oil Professor of Chemical and Petroleum-Refining Engineering	\$6,000 for the 1983-84 academic year

President McBride called the Board's attention to the authorization for salary supplements made available through the generosity of friends in industry.

Monthly Financial. Mr. Scott made available and reviewed the monthly reports as follows: Current Funds Comparison with Budget for the three months ending September 30, 1983; Current Funds - Summary by Fund for the three months ending September 30, 1983; and Time Deposits and Investment Report dated September 30, 1983. It is his belief that the School is operating within the accepted financial plan for the 1984 fiscal year.

ERL Report. Dr. Weber distributed and reviewed ERL Financial Position dated October 13, 1983. He stated that the deficit has grown from \$225,554 to \$256,283. Dr. James Pritchard, Acting Director of ERL, responded to questions.

Registrar's Report, Fall 1983. Mr. Young commented that he anticipates no increase over last year in applications for admission. He discussed recruitment and stated that alumni are being utilized to visit schools in some parts of the country.

Dr. Nyikos discussed available scholarships and loan packages and commented that an increasing number of students seem unwilling to assume a loan in order to attend college.

Revised 1983-1984 Budgets, CSM and CERI. Mr. Scott reviewed the second revised 1983-84 budget and stated that the Board will continue to see revised budgets. He recommended approval of the submitted revised budget for 1983-84.

October 14, 1983

RECORD OF PROCEEDINGS

2

Thomas J. McInerny Adjunct Associate Professor of Humanities and Social Sciences	\$2,500 for the fall semester of the 1983-84 academic year
Barbara M. Olds Part-time Instructor in Humanities and Social Sciences	\$8,500 for the fall semester of the 1983-84 academic year
Charles H. Reyman Visiting Assistant Professor of Humanities and Social Sciences	\$10,000 for the fall semester of the 1983-84 academic year
Norman B. Wilson Visiting Assistant Professor of Humanities and Social Sciences	\$10,000 for the fall semester of the 1983-84 academic year

Salary Adjustment:

Peter Hartley Associate Professor of Humanities and Social Sciences	Increased from \$29,210 to \$30,210 for the 1983-84 academic year
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Salary Supplements:

Charles S. Aldrich Assistant Professor of Petroleum Engineering	\$11,000 for the calendar year beginning September 1, 1983
Daniel M. Bass Professor of Petroleum Engineering	\$6,680 for the 1983-84 academic year
James W. Crafton Associate Professor of Petroleum Engineering	\$11,000 for the 1983-84 academic year
John W. Geissman Atlantic Richfield Foundation Assistant Professor	\$7,500 for the 1983-84 academic year
Michael S. Graboski Conoco Lecturer in Chemical and Petroleum-Refining Engineering	\$3,992.90 for the 1983-84 academic year
Ramona M. Graves Assistant Professor of Petroleum Engineering	\$5,500 for the calendar year beginning September 1, 1983
Robert H. Jacoby Professor of Petroleum Engineering	\$10,000 for the 1983-84 academic year
Michael C. Jones Conoco Lecturer in Chemical and Petroleum-Refining Engineering	\$2,218.28 for the calendar year beginning September 1, 1983
Billy J. Mitchell Nathan M. Avery Professor of Petroleum Engineering	\$5,500 for the 1983-84 academic year (will receive one-half because he is on leave at one-half salary)

October 14, 1983

RECORD OF PROCEEDINGS

Golden, Colorado
October 14, 1983

The Board of Trustees met in regular session on October 14, 1983, at 9:00 a.m.

Trustees present: Messrs. Coors, Henderson, Pascoe, Rosenzweig, Schwartzberg, Wilson and Wood.

Absent: Mr. Warren.

Mr. Schwartzberg presided.

Also attending the meeting were President McBride, Vice Presidents Golden, Nyikos, Robbins and Scott, Dean Romberger, and other staff members, visitors, and a representative of the press.

Mr. Schwartzberg introduced Mr. Edward M. Warren, who will become President of the Alumni Association in February 1984.

Previous Minutes. The minutes of the meeting held on September 16, 1983 were approved as distributed.

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

Frederick E. Berkman Part-time Instructor in Geophysics	\$300 per month for the 1983-84 academic year
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P. Arthur Meyer Adjunct Assistant Professor of Geology	No compensation
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Reappointment:

Louis Kovari Part-time Instructor in Mathematics	\$5,000 for the fall semester of the 1983-84 academic year
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Continuation of Appointments:

Randal J. Barnes Part-time Instructor in Mining Engineering	\$7,500 for the 1983-84 academic year
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Samuel S. Goldich Adjunct Professor of Geology	No compensation
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James R. Herring Adjunct Assistant Professor of Chemistry and Geochemistry	\$500 for the fall semester of the 1983-84 academic year
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Robert D. Knecht Adjunct Associate Professor of Chemical and Petroleum-Refining Engineering	\$7,000 for the 1983-84 academic year
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Terence J. Lohman Adjunct Assistant Professor of Humanities and Social Sciences	\$10,000 for the fall semester of the 1983-84 academic year
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RECORD OF PROCEEDINGS

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Derek J. Wilson Assistant Director for Systems and Operations of the Computing Center	\$38,510
Robert D. Witters Professor of Chemistry and Geochemistry	35,085
Robert E. D. Woolsey Professor of Mineral Economics (MAPCO Foundation Professor of Mineral and Resource Management)	49,190
John D. Wright Instructor in Petroleum Engineering	34,260
Baki Yarar Associate Professor of Metallurgical Engineering	31,540
Frank R. Yeatts Professor of Physics	32,575
Victor Yesavage Professor of Chemical and Petroleum-Refining Engineering	35,150
Thomas A. Zamis Assistant Professor of Chemistry & Geochemistry	21,925

September 16, 1983

RECORD OF PROCEEDINGS

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Robert S. Thompson Assistant Professor of Petroleum Engineering	31,085
Guy H. Towle Associate Professor of Geophysics	34,425
John U. Trefny Associate Professor of Physics	30,500
A. Keith Turner Professor of Geology	32,355
Robert G. Underwood Associate Professor of Mathematics (on leave for the 1984 calendar year at one-half pay)	28,340
David M. Updegraff Professor of Chemistry and Geochemistry	35,105
Craig W. Van Kirk Professor of Petroleum Engineering and Head of the Department (includes \$4,000 for summer work)	40,000
Kent J. Voorhees Associate Professor of Chemistry & Geochemistry	29,855
Fun-Den Wang Professor of Mining Engineering	39,335
John E. Warne Professor of Geology	43,305
J. Edward White Professor of Geophysics (Charles Henry Green Professor of Exploration Geophysics)	47,675
Ronald Wiedenhoft Professor of Humanities and Social Sciences	34,520
Thomas Wildeman Professor of Chemistry and Geochemistry	36,305
Karen Wiley Assistant Professor of Humanities and Social Sciences	23,195
Beatrice Willard Professor of Environmental Sciences and Engineering Ecology & Head of the Department (on leave without pay)	37,070
John T. Williams Professor of Chemistry and Geochemistry	44,790
Don L. Williamson Associate Professor of Physics	29,825

RECORD OF PROCEEDINGS

10

Franklin D. Schowengerdt Professor of Physics and Head of the Department (includes \$4,000 for summer work)	\$40,000
M. Sami Selim Associate Professor of Chemical and Petroleum- Refining Engineering	31,425
E. Craig Simmons Associate Professor of Chemistry & Geochemistry	23,850
Catherine K. Skokan Assistant Professor of Geophysics	25,085
Maynard Slaughter Professor of Chemistry & Geochemistry	33,105
E. Dendy Sloan, Jr. Professor of Chemical and Petroleum-Refining Engineering	32,010
Margaret Smart Librarian and Assistant Director for Special Collections	29,650
Joseph D. Sneed Atlantic Richfield Foundation Professor in the Humanities	45,145
David J. Spottiswood Professor of Metallurgical Engineering	37,415
Richard E. Stapp, Jr. Associate Professor of Physical Education and Athletics	30,905
Marilyn Stark Librarian and Assistant Director for Information Services	27,480
Franklin J. Stermole Professor of Chemical and Petroleum-Refining Engineering assigned to the Department of Mineral Economics	42,760
Charles H. Stoyer Assistant Professor of Geophysics (on leave without pay)	30,210
Randall E. Stross Assistant Professor of Humanities and Social Sciences	21,425
Harold D. Taylor Assistant Professor of Mathematics	22,725
Robert J. Taylor Associate Professor of Engineering	32,205

RECORD OF PROCEEDINGS

9

David L. Olson Professor of Metallurgical Engineering	41,130
Sally Oslund Assistant Director of the Computing Center and Assistant Professor of Mathematics	39,725
Levent Ozdemir Director of the Earth Mechanics and Excavation Engineering Institute and Associate Research Professor	45,500
Richard S. Passamaneck Associate Professor of Engineering	31,425
Mark A. Passler Assistant Professor of Physics	21,665
Michael J. Pavelich Associate Professor of Chemistry & Geochemistry	29,190
Robert W. Pearson Assistant Professor of Physical Education and Athletics	25,795
Harry C. Peterson Professor of Engineering	38,040
Alfred Petrick, Jr. Coulter Professor of Mineral Economics	43,485
Thomas Philipose Professor of Humanities & Social Sciences	30,765
Hartley K. Phinney, Jr. Director of the Library	47,655
Archie M. Richardson Instructor in Mining Engineering	17,085
Wayne K. Richmond Adjunct Assistant Professor of Humanities and Social Sciences and Director of Chorus	4,850
Phillip R. Romig Professor of Geophysics and Head of the Department (includes \$4,005 for summer work)	40,055
Oded Rudawsky Professor of Mineral Economics	32,155
Arthur Y. Sakakura Associate Professor of Physics	33,295
Dave Ray Schmitz Assistant Professor of Mathematics	22,900
William A. Schneider Professor of Geophysics (George R. Brown Professor of Geophysics on leave without pay)	49,355

RECORD OF PROCEEDINGS

8

Frank S. Mathews Professor of Physics	39,425
David K. Matlock Professor of Metallurgical Engineering (Charles F. Fogarty Professor of Metallurgical Engineering)	37,480
William A. Mattingly Associate Professor of English	22,745
Ruth A. Maurer Associate Professor of Mineral Economics	28,300
Robert W. McAllister Associate Professor of Physics	31,880
Robert S. McCandless Associate Professor of Physical Education and Athletics (10 month contract)	32,080
Michael B. McGrath Director of Computing Center and Associate Professor of Engineering	48,695
C. Samuel Miller Professor of Engineering	31,285
B. J. Mitchell Professor of Petroleum Engineering (Nathan M. Avery Professor of Petroleum Engineering on leave at one-half pay)	48,760
Fred E. Moore Professor of Geology	39,330
Raymond K. Mueller Associate Professor of Mathematics	32,400
Charles A. Natalie Assistant Professor of Metallurgical Engineering	27,685
Eric Nelson Assistant Professor of Geology	21,695
Karl R. Nelson Associate Professor of Engineering (on leave without pay)	29,580
Gabriel Neunzert Associate Professor of Engineering	30,390
Karl R. Newman Professor of Geology	33,415
Kathleen H. Ochs Assistant Professor of Humanities and Social Sciences	22,810

RECORD OF PROCEEDINGS

7

P. James LeAnderson Assistant Professor of Geology	\$23,430
Keenan Lee Professor of Geology (on leave at one-half pay)	34,885
Fred R. Leffler Professor of Engineering	33,240
Ann Lerew Librarian (12-month contract)	19,085
Charles E. Lienert Assistant Professor of Mineral Economics	29,595
Mark W. Ljungvall Instructor in Engineering	19,915
George B. Lucas Professor of Chemistry and Geochemistry	42,065
John L. Lufkin Associate Professor of Geology and Assistant to the Head of the Department	30,015
Donald L. Macalady Associate Professor of Chemistry & Geochemistry	29,250
Patrick MacCarthy Associate Professor of Chemistry & Geochemistry	29,450
Earl K. Madsen Adjunct Associate Professor of Mineral Economics	4,500
Maurice Major Professor of Geophysics	46,895
William E. Marlatt Visiting Professor of Environmental Sciences and Engineering Ecology and Acting Head of the Department (includes \$4,360 for summer work and \$3,000 adjustment for living expenses)	46,585
Donald C. B. Marsh Professor of Mathematics	31,700
Scott J. Marshall Associate Professor of Engineering	34,915
James W. Martin Professor of Engineering (on leave at one-half pay)	38,745
Gerard P. Martins Professor of Metallurgical Engineering	37,525
Virginia A. Mast Assistant Museum Curator	19,400

RECORD OF PROCEEDINGS

6

Marvin L. Kay, Jr. Associate Professor of Physical Education and Athletics and Head Football Coach (11-month contract)	\$37,350
George V. Keller Professor of Geophysics	50,350
Thomas E. Kelley Assistant Professor of Mathematics	24,095
George H. Kennedy Professor of Chemistry & Geochemistry and Head of the Department (includes \$4,200 for summer work)	42,000
Harry C. Kent Professor of Geology and Director, Potential Gas Agency	47,550
Robert H. King Associate Professor of Mining Engineering	33,170
John V. Kline Professor of Physics	39,425
Gail Klock Assistant Professor of Physical Education and Athletics	23,925
Ronald W. Klusman Professor of Chemistry & Geochemistry (on leave at one-half pay)	39,280
Frank Kowalski Assistant Professor of Physics	23,465
George Krauss AMAX Foundation Professor of Physical Metallurgy	47,025
Sanford William Krolick Instructor in Humanities & Social Sciences	21,085
Charles R. Kroll Assistant Professor of Physical Education and Athletics	20,700
Thomas R. LaFehr Professor of Geophysics	43,085
Donald Langmuir Professor of Chemistry and Geochemistry	46,685
Mary Larsgaard Librarian (12-month contract)	28,570
William B. Law Associate Professor of Physics	30,925

RECORD OF PROCEEDINGS

5

Robert C. Hansen Associate Professor of Basic Engineering	32,560
Peter E. Hartley Associate Professor of Humanities and Social Sciences	29,210
John D. Haun Professor of Geology (8-month contract at 25% of	43,150)
T. Graham Hereford Professor of Humanities and Social Sciences and Head of Department (includes \$5,200 for summer work)	52,025
John A. Hogan Associate Professor of English	30,585
Gregory S. Holden Associate Professor of Geology	23,310
Gunther U. Holzer Assistant Professor of Chemistry & Geochemistry	24,635
Matthew J. Hrebar III Instructor in Mining Engineering	33,875
Joan R. Hundhausen Associate Professor of Mathematics	26,140
William A. Hustrulid Professor of Mining Engineering	44,630
Robert M. Hutchinson Professor of Geology	33,420
Wahid A. Ibrahim Associate Professor of Geophysics	31,085
Thys Johnson Professor of Mining Engineering and Head of the Department (includes \$4,845 for summer work)	48,440
Michael C. Jones Associate Professor of Chemical and Petroleum- Refining Engineering	31,890
Leonard Kalal Associate Professor of Philosophy	30,725
Alexander A. Kaufman Professor of Geophysics	36,940
Thomas D. Kaufmann Professor of Mineral Economics (Philipp Brothers Inc. Professor of Mineral Economics)	45,710

RECORD OF PROCEEDINGS

4

Anshumali Gangwar Associate Professor of Mineral Economics	36,535
James H. Gary Professor of Chemical and Petroleum-Refining Engineering	56,710
John W. Geissman Assistant Professor of Geology	23,145
Lee C. Gerhard Professor of Geology	42,085
Elizabeth Gibbs Assistant Professor of Engineering	24,200
Jay E. Gillette Instructor in Humanities and Social Sciences	23,700
Lynde O. Gilliam Assistant Professor of Mineral Economics	25,425
James L. Giulianelli Assistant Professor of Chemistry & Geochemistry	23,555
Michael S. Graboski Associate Professor of Chemical and Petroleum- Refining Engineering	28,975
Ramona M. Graves Assistant Professor of Petroleum Engineering	24,060
Thomas L. T. Grose Professor of Geology	41,890
Charles R. Groves Associate Professor of Engineering	31,505
Raymond R. Gutzman Professor of Mathematics	31,675
Frank A. Hadsell Professor of Geophysics	43,105
John P. Hager Professor of Metallurgical Engineering	48,660
James J. Halavin Assistant Professor of Mathematics	25,410
Robert D. Hamilton Assistant Professor of Geology	22,555
John W. Hancock Associate Professor of Physical Education and Athletics	31,425

RECORD OF PROCEEDINGS

3

Thomas L. Davis Associate Professor of Geophysics (includes \$1600 for serving as Assistant Department Head)	\$31,275
Richard H. DeVoto Professor of Geology	35,315
Dean W. Dickerhoof Professor of Chemistry and Geochemistry	32,430
Donald I. Dickinson Associate Professor of English	31,475
John P. Dyer Assistant Professor of Physical Education and Athletic Trainer	25,795
Glen R. Edwards Professor of Metallurgical Engineering	38,180
Kenneth W. Edwards Associate Professor of Chemistry & Geochemistry	27,810
John C. Emerick Assistant Professor of Environmental Sciences	23,400
Harry W. Emrick Associate Professor of Engineering and Head of the Department (includes \$4,290 for summer work)	42,920
Rudy C. Epis Professor of Geology	45,380
Elsie Christine Ericson Librarian (12-month contract)	20,945
Robert R. Faddick Professor of Engineering	33,425
Paul Fasching Assistant Director of the Computing Center	43,445
Joseph J. Finney Professor of Geology and Head of the Department (Includes \$5,000 for summer work)	50,000
Robert S. Fisk Associate Professor of Mathematics	28,920
David E. Fletcher Professor of Mineral Economics	39,595
S. Dale Foreman Professor of Engineering	35,495
Robert H. Frost Associate Professor of Metallurgical Engineering	28,720

RECORD OF PROCEEDINGS

2

W. Rex Bull Professor of Metallurgical Engineering	\$37,285
Annette L. Bunge Assistant Professor of Chemical and Petroleum-Refining Engineering	25,335
Jerrold J. Burnett Professor of Physics (on leave without pay)	33,860
Nicholas P. Callas Associate Professor of Mathematics	31,305
Betty Jo Cannon Assistant Professor of Humanities and Social Sciences (on leave at one-half pay)	24,300
Debra Carnell Assistant Professor of Engineering	23,825
F. Edward Cecil Associate Professor of Physics	29,190
Jin S. Chung Professor of Engineering	37,175
W. John Cieslewicz Associate Professor of Humanities and Social Sciences and Associate Professor of Mineral Economics	27,815
L. Graham Closs Associate Professor of Geology	28,475
William D. Copeland Professor of Metallurgical Engineering and Head of the Department (includes \$5,010 for summer work)	50,085
John A. Cordes Associate Professor of Mineral Economics (Includes \$1800 as Assistant to the Department Head)	33,460
Scott W. Cowley Assistant Professor of Chemistry & Geochemistry	24,275
James W. Crafton Associate Professor of Petroleum Engineering	34,420
Richard S. Culver Professor of Engineering	34,555
Stephen R. Daniel Professor of Chemistry and Geochemistry	34,700
James Darden Professor of Physical Education and Athletics	33,010

September 16, 1983

RECORD OF PROCEEDINGS

1

1983-84 Faculty Salaries

John F. Abel, Jr. Professor of Mining Engineering	\$40,020
Charles S. Aldrich Assistant Professor of Petroleum Engineering	25,060
R. Bruce Allison Professor and Head of Department of Physical Education (A.D.) (10-month contract)	43,775
William R. Astle Associate Professor of Mathematics	34,670
Charles R. Baer Associate Professor of Mathematics	25,100
Robert M. Baldwin Associate Professor of Chemical and Petroleum-Refining Engineering	29,955
Frederick B. Bart Assistant Professor of Humanities and Social Sciences	22,685
Daniel M. Bass, Jr. Kerr-McGee Corporation Professor of Petroleum Engineering	49,115
Charles W. Berry Professor of Mineral Economics and Head of the Department (includes \$5,265 for summer work)	52,650
Ramon E. Bisque Adjunct Professor of Chemistry and Geochemistry on a 60% basis	24,695
Ardel J. Boes Professor of Mathematics and Head of the Department (includes \$4,100 for summer work)	41,000
Emmy Booy Associate Professor of Geology	30,220
Joan N. Brooks Assistant Professor of Engineering	27,020
A. R. Brown, Jr. Professor of Mathematics	41,040
Diane Brown Boettcher Librarian (12-month contract)	20,630
James T. Brown Professor of Physics	35,790

RECORD OF PROCEEDINGS

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Historical Site Designation. Dr. Mueller told the Board that the local chapter of the American Society for Metals (ASM) would like permission to recommend designation of CSM as historical site. The ASM is a technical society of approximately 50,000 members representing the metals industry. He said that in 1969, the ASM Historical Landmarks Designation was established to identify permanently the many sites and events in any locations where an ASM chapter exists that have played a prominent part in the discovery, development and growth of metals and metalworking. He reviewed the rules of the award and said that no other academic institution has been so designated. He is asking for approval to submit name of of CSM to ASM. An appropriate marker would be made to conform and complement the site on which it will be mounted.

It was the consensus of the Board to proceed.

ADP Status Report. Dr. McGrath distributed and reviewed Status Report on Wang System, dated September 15, 1983, and Mr. Scott reported on the status of the selection process for financial software.

Management Institute Report. Dr. Burgess distributed Program Development Review and budget for the Institute. He discussed goals and gave the Board an overview of what the Institute has done and will be doing in the future. He called the Board's attention to a brochure which he distributed describing the First Annual Conference on Marketing Western Coal, sponsored by the Western Coal Export Council and the Management Institute, to be held in Denver October 10-12, 1983.

Discussion ensued, and Dr. Burgess answered questions.

Mr. Schwartzberg thanked Dr. Burgess for his report.

The meeting was adjourned at 12:25 p.m., and the Board went into executive session.



RECORD OF PROCEEDINGS

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committee will engage the services of an outside search organization, and ultimately the names of a rather small number of candidates will be submitted to the Board for its evaluation. This will lead to campus visits with an offer being made to the best candidate available. The committee has engaged the services of a secretary, who will start on a part time basis on September 19. Her office will be located at the Foundation, and she will handle the anticipated voluminous correspondence connected with the search. Advertisements will be placed in various journals, and letters will be sent to a selected list of leaders in education, industry and government.

Mr. Schwartzberg emphasized the importance of having the entire Mines community involved in the search process. He emphasized that the search committee is an advisory committee and that the final burden of selecting the president will be left to the Board.

Request to CSM Foundation. Mr. Wood said that he has established a tentative budget of \$75,000. This includes the services of an outside search organization and its expenses, the services of a firm which will evaluate the candidates' abilities, secretarial help, travel expenses to bring candidates to the campus, and miscellaneous expenses.

It was the consensus of the Board to request the Foundation Board to establish presidential search fund in the amount of \$75,000 for the above-stated purposes. As chairman of the committee, Mr. Wood will serve as fund manager of this account. Mr. Robbins told the Board that a monthly accounting sheet will be provided.

Suggested Mines Awards Committee for 1983-1984. President McBride reminded the Board that each year he asks the Board if it wants him to appoint a committee to select Mines Medalists for December and other medalists for May.

It was the consensus of the Board that President McBride should appoint such a committee.

Faculty Salaries, 1983-1984. President McBride told the Board that the salary increases represent about five percent average, which was approved by the Board in the 1983-84 budget.

It was moved, seconded and passed to approve the faculty salaries by name for 1983-1984. (Schedule appended hereto.)

Degree Name Change, Physics Department. Dr. Gentry referred the Board to his memorandum dated August 9, 1983, in which it was stated that Dr. Schowengerdt, Physics Department Head, has requested that the title of the B.S. degree offered by the Physics Department be changed from Mineral Engineering Physics to Engineering Physics. He said that this degree program sought and received ABET accreditation as a non-traditional program with the title Engineering Physics. He believes that this was the appropriate decision for accreditation purposes. The memorandum outlines the rationale behind this request, and he recommends approval.

Discussion ensued, following which it was moved, seconded and passed to approve the request for title change for B.S. degree offered by the Physics Department to Engineering Physics.

RECORD OF PROCEEDINGS

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continue Dr. Pritchard's operation on a monthly basis at \$37,000 per month including CYBER costs, returning to the Board with a report in October. President McBride emphasized that the funds for the new Laboratory will not be used as a bailout, that ERL has a 1983-1984 deficit of \$225,554.

Mr. Schwartzberg stressed the Board's need for monthly financial analysis. He said that he feels comfortable that a system is in place.

It was moved, seconded and passed to approve ERL's deficit position for the first quarter of the current fiscal year.

Legislative Report. Dr. Nyikos reported that the Legislature will reconvene on September 19 at which time it is expected that a decision regarding the state's budget deficit will be made. The Joint Budget Committee has issued a document which outlines additional operating budget cuts. An additional one percent recission is expected for higher education. The Legislature expects to be in session for two weeks.

Dr. Nyikos said that another matter is the recommendation that CERI be terminated. In that regard, a letter was sent to the JBC over President McBride's signature which outlined the position of CSM. There has been no response to that letter.

Mr. Robert Case, Director of CERI, stated that the only outstanding contracts are employment contracts, that a research agenda has not been approved. There are eight staff people and one temporary secretary; it is his view that \$250,000 will be owed to the staff for vacation pay, etc., if the Institute is closed on November 1, 1983.

Dr. Nyikos reported that at its last regular meeting the CCHE recommended policy changes in the area of student financial aid which relates to athletic grants. One change is that policy determinations would be given to institutional governing boards regarding student aid dollars, and another would be that the allocation would be frozen at present levels. CSM now receives approximately \$260,000. There may be some legislative action in the future.

Report on Presidential Search Advisory Committee. Mr. Schwartzberg reported that the Board is in the process of establishing an advisory committee for the presidential search. Mr. Wood is the chairman of that committee. He asked Mr. Wood to make the first monthly report.

Mr. Wood explained that the committee will be composed of him, Mr. Henderson, who will be vice chairman of the committee, two members of the administration to be nominated by the Board and by Department Heads, two faculty members to be nominated by an appropriate faculty committee, two members of the Alumni Association to be nominated by the Association, two students to be nominated by the student body officers, and a member of the CSM Foundation to be a non-alumni board member nominated by the Resource Foundation Board. This committee will serve to assist in establishing requirements for the presidential position and will assist in the screening process. He stated that the process will likely require several months with two or three meetings each month. The

RECORD OF PROCEEDINGS

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freshmen for this fall is the lowest we have had in several years. He reviewed the Accepted Student Survey dated September 15, 1983, and pointed out that the number of students who did not enroll because of costs has increased. He said that financial concerns appear to be the primary reason for the decrease in freshmen enrollment.

Mr. Young also reviewed Cost Data for Engineering Schools, 1983-84, dated September 5, 1983, and Characteristics of Freshmen Entering in Fall 1983, dated September 9, 1983. Mr. Young answered questions during extensive discussion which followed.

Status Report, Dormitory Financing. Mr. Dunn Krahl of Boettcher and Company discussed the procedure for proceeding with the financing. He hopes to offer bonds prior to the November Board meeting, and at the November meeting he would be presenting the results of the offering of the bonds and asking for approval of the bond resolution and sale of the bonds. The money would be received in December and it will be placed in escrow to pay off the warrants when they are due.

Approval of Capital Construction Requests, 1984-85. President McBride called the Board's attention to the revised Summary of Capital Construction Requests for FY 1984-85, and said that the administration has reviewed the prioritized list of requests and recommends approval.

In response to questions concerning the request for money for Stratton Hall renovation, President McBride said that we have experienced substantial growth since it was agreed that the building be decommissioned, and that the space is now needed.

It was moved, seconded and passed to approve the capital construction requests as they appear on the summary.

Modified ERL Budget for Approval. Dr. Golden distributed memorandum dated August 23, 1983, from Dr. James I. Pritchard, Acting Director of ERL, and Dr. Phillip Romig, Head Department of Geophysics, which outlines the proposed role of ERL, describes changes in the relationship between ERL and the CYBER computer and presents plans and a budget for the first quarter of fiscal year 1983-84. He also distributed memorandum dated September 16, 1983, from Dr. Joe Weber, regarding ERL Financial Position.

President McBride introduced Dr. Thomas Davis, who is representing the Department of Geophysics.

Dr. Pritchard offered to respond to questions with regard to the documents distributed, and indicated that all projects will be completed by the end of September. He said that the results of market research indicate that we may be able to recoup funds based on sales of about \$400,000. He said that he would like to move forward and come back to the Board in October.

Dr. Golden said that a portion of the ERL effort will transfer to the proposed new Laboratory for Exploration Research. It is not totally clear how much support the new laboratory will receive. The action needed today is approval of a budget for the first quarter. He would like to

RECORD OF PROCEEDINGS

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Reuben J. Ross, Jr. Adjunct Professor of Geology	\$6,000 for the 1983-84 academic year
A. W. Schlechten Director of the Kroll Institute for Extractive Metallurgy	\$32,000 for the period September 1, 1983 to August 31, 1984--90 days
T. Wayne Wall Part-time Instructor in Mathematics	\$6,000 for the 1983-84 academic year
Thomas R. Young Adj. Professor of Mining Engineering	\$5,200 for the 1983-84 academic year

Reappointments:

James Ely Adjunct Associate Professor of Chemical & Petroleum-Refining Engr.	\$5,000 for the 1983-84 academic year
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Additional Assignments:

John A. Cordes Assistant Department Head, Mineral Economics	\$1,800 for the 1983-84 academic year (salary supplement)
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Supplemental Salaries:

John F. Abel, Jr. Hanna Mining Company Lecturer, Mining Engineering Department	\$5,000 for the calendar year beginning September 1, 1983
William A. Hustrulid Professor of Mining Engineering	\$5,000 for the calendar year beginning September 1, 1983

Monthly Financial. Mr. Scott made available and reviewed the monthly reports as follows: CSM Current Funds Comparison with Budget for the Two Months Ending August 31, 1983; CSM Current Funds - Summary by Fund for the Two Months Ending August 31, 1983; CSM Time Deposits and Investment Report August 31, 1983. Mr. Scott reviewed Analysis of Funds Available and a detailed spread sheet of the 1982-83 and 1983-84 budgets. He expects to come back to the Board in October with a proposed revised operating budget. There is an estimated fall tuition shortfall of \$196,000 with a similar shortfall predicted for spring, and he anticipates an additional one percent recession in the general fund coupled with a return of general funds due to an estimated fewer resident FTE enrolling this fiscal year. He anticipates a \$546,000 shortfall in revenues.

Enrollment. Dr. Nyikos announced to the Board that Mr. Spaulding, Director of Cooperative Education and Placement, has also been appointed Assistant Financial Aid Officer, and that Dr. Chevront, Registrar, is also Associate Dean of Students.

Dr. Chevront reviewed the fall 1983-84 enrollment statistics as of the official closing date. He pointed out that there are 2323 undergraduates and 608 graduate students, for a total enrollment of 2931. It was noted that the number of graduate students is slightly over the allowed number. President McBride has waived the limit of 600 temporarily for this fall only.

Mr. Young, Admissions Officer, reported that the enrollment of

RECORD OF PROCEEDINGS

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Satyendra K. Deb Adjunct Professor of Physics	No compensation
Roger S. Dewey Part-time Instructor in Mining Engineering	\$16,200 for the 1983-84 academic year
Robert H. Jacoby Professor of Petroleum Engineering	\$40,000 for the 1983-84 academic year
Michael E. Lord Visiting Associate Professor of Mathematics	\$31,000 for the 1983-84 academic year
Patrick A. Madison Instructor in Mathematics	No compensation
Gregory P. Sherry Part-time Instructor in Engineering	\$4,600 for the period Aug. 22, 1983-Aug. 4, 1984
George O. Thomas Adjunct Associate Professor of Engineering	\$4,200 for the 1983-84 academic year
Kenell J. Touryan Adjunct Associate Professor of Engineering	\$4,200 for the 1983-84 academic year
Continuation of Appointments:	
G. Mattney Cole Visiting Assistant Professor of Chemistry & Geochemistry	\$23,000 for the 1983-84 academic year
Joseph D. Cooper Part-time Instructor in Mining Engineering	\$15,000 for the 1983-84 academic year
Russell F. Heckman Adjunct Professor of Chemical & Petroleum-Refining Engineering	\$10,000 for the 1983-84 academic year
Wesley G. Johnson Adjunct Associate Professor of Mining Engineering	\$4,500 for the 1983-84 academic year
Lawrence L. Kazmerski Adjunct Professor of Physics	\$2,100 for the 1983-84 academic year
Connie Kenward Part-time Instructor in Mineral Economics	\$6,600 for the 1983-84 academic year
John M. Moore Part-time Instructor in Mineral Economics	\$6,600 for the 1983-84 academic year
Jerome G. Morse Adjunct Professor of Physics	No compensation

RECORD OF PROCEEDINGS

Golden, Colorado
September 16, 1983

The Board of Trustees met in regular session on September 16, 1983, at 9:00 a.m. (Delayed from usual meeting date of September 9, 1983).

Trustees present: Messrs. Coors, Henderson, Pascoe, Rosenzweig, Schwartzberg, Wilson and Wood.

Absent: Mr. Warren.

Mr. Schwartzberg presided.

Also attending the meeting were President McBride, Vice Presidents Golden, Nyikos, Robbins and Scott, Deans Gentry and Romberger, and other staff members, visitors, and a representative of the press.

Dr. Nyikos introduced Ms. Holly Fliniau and Ms. Audrey Warren, who distributed copies of the CSM yearbook, Prospector, 1983, to the Trustees.

Dr. Nyikos introduced Roxanne Pilcher, a member of Zeta Pi Chapter of Sigma Kappa Sorority, who presented a calendar to the Trustees. She said that the calendar, which sells for \$4.00, is being used for fund raising.

Dr. Nyikos introduced the student body officers for the year. They are Jim Frey, President, Steve Wilson, Vice President, John Schwappach, Treasurer, and Cheryl Lebsock, Secretary. He noted with pleasure the reelection of Mr. Rosenzweig to the Board and distributed to the Board copies of the Freshmen Record and the CSM Student Handbook.

Dr. Nyikos introduced Ms. Christina Dolen, newly appointed Director of the Mines Annual Fund campaign.

Previous Minutes. The minutes of the meeting held on July 16, 1983 were approved as distributed.

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

Candace S. Ammerman Instructor in Engineering	\$20,000 for the 1983-84 academic year
Ravel F. Ammerman Instructor in Engineering	\$20,000 for the 1983-84 academic year
David R. Anderson Visiting Assistant Professor of Chemistry & Geochemistry	\$22,000 for the 1983-84 academic year
Nancy S. Angle Part-time Instructor in Mathematics	\$12,000 for the 1983-84 academic year
Richard J. Dalphin Visiting Associate Professor of Engineering	\$12,000 for the 1983-84 academic year

RECORD OF PROCEEDINGS

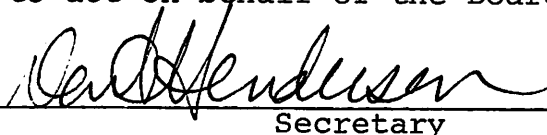
8

on the Commission. He does not know anything about the appointments made by the Governor.

The meeting was adjourned at 3:30 p.m., and the Board went into executive session.

Pending Litigation. Following discussion in executive session, the Board returned to open session and unanimously approved settlement of the complaint of Emmy Booy before the E.E.O.C.

Exploration Research Laboratory. Following extensive discussion in executive session, the Board in open session unanimously approved the establishment of an ad hoc committee to act on behalf of the Board in matters concerning the laboratory.



Secretary

July 16, 1983

RECORD OF PROCEEDINGS

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President McBride stated that Mr. Welles' remaining function is to supervise public relations, public information and publications. He stated that he intends to assign this to a member of the staff, and this person will report directly to the President. He has spoken to this staff member but the arrangements are not complete.

President McBride said that, in connection with Dean Nyikos' enhanced responsibilities, it has been decided to move Dr. Chevront, Registrar, closer to the "firing line." Dr. Nyikos will break him in on matters other than registration. He asked for the Board's concurrence in this reorganization.

There was Board consensus for President McBride to proceed with the reorganization.

Report on July CCHE Meeting. Dr. Nyikos reported that the Mines Master Plan and degree proposals, M.S. in Mineral Resource Ecology and M.S. in Engineering Ecology, were approved by the CCHE.

Dr. Nyikos discussed the CCHE public hearing on state-funded intercollegiate athletic awards, which was held on Thursday, July 7. Mr. Rosenzweig also discussed his testimony at that hearing. Dr. Nyikos said that the resolution of the matter was that Dr. Manning, Interim Executive Director of the CCHE, will be contacting the chief executives of the institutions.

Announcements. Mr. Schwartzberg announced that Mr. Coors has agreed to serve as the Trustee representative to the CCHE Advisory Committee, effective immediately.

Mr. Schwartzberg stated that the Alumni Association representative, Mr. Henderson, has agreed to serve both as the Trustee representative to the Alumni Association Board and as a representative to the Epics Advisory Committee.

Mr. Schwartzberg said that Mr. Pascoe has been asked to serve on the CCHE steering group for reexamination of the funding base. Mr. Rosenzweig's name has been submitted as a student representative to serve on this committee. No decision has been reached by the CCHE.

President McBride announced that Mr. Ian MacGregor has accepted the invitation to be the CSM Commencement speaker on May 5, 1984.

September and November Information Sessions. Mr. Wilson said that he would like to have a followup to the information session which dealt with the computer and its relationship to education.

Discussion ensued, following which it was determined that the September information session will be a Keystone followup, and the November information session will be a followup on the computer.

Mr. Schwartzberg asked that the Board be reminded of future afternoon sessions.

CATI. Mr. Schwartzberg announced that he has asked President McBride to represent CSM on the CATI Commission. President McBride, President Weber of C.U., and the Vice President for Research at CSU will be the representatives from the three major institutions that have representation

July 16, 1983

RECORD OF PROCEEDINGS

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John G. Welles \$65,000
Vice President for Planning and
Public Affairs
Leave of absence without pay, 1983-84

A. William Young 34,000
Director of Admissions

Colorado Energy Research Institute:

Robert L. Case 56,800
Director

Carolyn A. Lowery 36,400
Program Manager

James O. Sample 38,000
Director of Communications

Gennifer M. Sussman 36,600
Senior Economist

Graham C. Taylor 45,500
Director of Research

Date for Student/Trustee Forum. Mr. Rosenzweig stated that the Blue Key has requested that a date certain for the student/Trustee forum be set.

It was the consensus of the Board to hold the forum on Tuesday, November 8, 1983, at 4:00 p.m. Prior to November 8, Mr. Rosenzweig will provide a list of the topics to be discussed.

Continuing Education/Outreach Policy Change. The Board was provided with a copy of the proposed policy for out-of-state course offerings. Dr. Golden explained that there is new legislation which allows CSM to offer noncredit courses outside of the state. Dr. Golden responded to questions.

The policy was approved in principle.

Administrative Reorganization. President McBride explained that the absence of Mr. Welles has made it necessary to plan an administrative reorganization. The recommended reorganization contemplates the dividing of Mr. Welles' functions and responsibilities among other administrative officers rather than appointing a vice president in replacement of Mr. Welles.

President McBride stated that the first of Mr. Welles' functions is that of planning. We have reached a low ebb in the planning cycle and we are now up to preparing an operational plan. That responsibility has been assigned to the Vice President for Academic Affairs. The facilities planning will be made the responsibility of Mr. Scott. This represents a separation of the planning function, and it is done on the assumption that there will be satisfactory liaison between Mr. Scott and Dr. Golden.

The position of legislative liaison will be assigned to Dean Nyikos. He will be responsible for supervising the work of CSM legislative liaison agents Bonnie Geiger and Jerry Johnson .

July 16, 1983

RECORD OF PROCEEDINGS

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Guy T. McBride, Jr. President	\$78,000
Charles S. Morris Director of Public Relations	32,500
Michael S. Nyikos Vice President for Student Affairs & Dean of Students and Assistant Professor of Humanities and Social Sciences	52,000
Judith E. O'Brien Personnel Officer	31,000
Kathleen D. O'Brien Counselor	15,600
Levent Ozdemir Director of the Earth Mechanics and Excavation Engineering Institute and Associate Research Professor	45,500
Jon W. Raese Director of Publications	29,700
Martin D. Robbins Vice President for Development and Executive Director of the Colorado School of Mines Foundation	62,400
Samuel B. Romberger Dean of Graduate Studies and Research and Professor of Geology	48,000
W. Gordon Scott Vice President for Business Affairs	61,800
Ian E. Shalek Director of Research Administration	35,000
Warren A. Spaulding Director of Cooperative Education & Placement and Assistant Director of Student Financial Aid	30,000
Carolyn Sudermann Administrative Assistant	27,200
Richard Sudermann Director of Plant Facilities	46,000
Debra Von Bargaen Assistant Director of Admissions	24,100
Joseph C. Weber Assistant Dean for Research Development & Associate Professor of Mineral Economics	39,000

July 16, 1983

RECORD OF PROCEEDINGS

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Administrative Salary Schedule. President McBride stated that staff salary schedule has been prepared showing names and amounts. Copies of the schedule were made available to the Board. President McBride recommended approval of the schedule, which corresponds to the revised budget just adopted by the Board. The schedule reflects an average increase of about five percent.

It was moved, seconded and passed to approve the administrative salary schedule.

Philip M. Burgess Director of the Institute for Minerals and Energy Management and Professor of Management and Minerals Policy	\$57,500
Harold R. Chevront Associate Dean of Students and Registrar	34,500
Brodie D. Farquhar Public Information Officer	24,700
Carl A. Fawcett Director of Housing, Student Center and Green Center	36,500
Daniel R. Frelund Controller	36,500
Donald W. Gentry Dean of Undergraduate Studies and Professor of Mining Engineering	60,000
John O. Golden Vice President for Academic Affairs and Dean of the Faculty and Professor of Chemical and Petroleum-Refining Engineering	63,000
Robert J. Hensley Assistant Director of Admissions	23,000
Janice C. Hepworth Director of Special Programs and Associate Research Professor	41,000
William T. Hill Director of Student Activities	22,000
William A. Ingels Administrative Services Officer	38,500
Andrew M. Lopez Affirmative Action/Contract Review Officer	27,000
Warren J. Mason Financial Aid Officer	32,000

July 16, 1983

RECORD OF PROCEEDINGS

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President McBride recommended that the Board grant the request of John G. Welles for a leave of absence without pay. Mr. Welles has been appointed Administrator of Region VIII, Environmental Protection Agency, effective July 11, 1983. President McBride referred the Board to Mr. Welles' letter dated July 5, 1983, which outlines the terms of the requested leave.

It was moved, seconded and passed to grant Mr. Welles' request for leave of absence without pay for a period of two years, subject to the conditions outlined in his letter dated July 5, 1983.

Monthly Financial. Mr. Scott made available and reviewed the monthly reports as follows: CSM Current Funds Comparison with Budget for the Twelve Months Ending June 30, 1983 "preliminary"; CSM Current Funds - Summary by Fund for the Twelve Months Ending June 30, 1983 "preliminary"; and CSM Time Deposits and Investment Report, dated June 30, 1983 "preliminary". He said that the School is operating within its financial plan with the exception of auxiliary areas, specifically Publications, which deficit is covered by previous year surplus, and ERL, which shows a deficit at fiscal year end.

With regard to managed investments, Mr. Scott stated that he has requested of the investment committee guidelines as proposed by the Board. He has not received a response to that request, but will report to the Board when he receives the information.

Admissions. Dr. Nyikos referred the Board to the Admissions Report dated July 6, 1983. He mentioned that the new method of recruiting being utilized has shown positive results. He stated that the budgeted head count for 1983-84 is 2,990.

Extensive discussion ensued, with Dr. Nyikos responding to questions.

1983-84 Budget. President McBride explained that the Governor has advised that two percent of general fund appropriation should be held in reserve. In view of this, the administration felt that it should prepare a revised budget.

Mr. Scott reviewed the 1983-84 recommended revised budget, and stated that the action item is to recommend a revised budget of \$20,266,083, covering two percent reserve.

Discussion ensued, following which it was moved, seconded and passed to approve the 1983-84 recommended revised budget.

1982-83 and 1983-84 Special Budgets. President McBride referred the Board to CSM special 1982-83 and 1983-84 budgets, which reflect 1982-83 projected year-end including all auxiliary enterprises, organized research, and CSMF funds expended in support of CSM.

Mr. Scott stated that this document, which was prepared at the request of the Board, reflects funds received from the Foundation.

Mr. Pascoe stated that he is appreciative of the report and finds it very helpful.

1984-1985 Budget Parameters. Mr. Scott reviewed the recommended parameters for the 1984-85 education and general budget based upon a seven percent increase in general fund per resident student FTE.

Extensive discussion ensued, following which the Board determined by consensus that a nine percent general fund increase request should be submitted and that the percent increase in resident and non-resident tuition should be roughly equal.

July 16, 1983

Colorado School of Mines
Golden, Colorado 80401
303/273-3310

July 5, 1983

Vice President for Planning
and Public Affairs

AGENDA ITEM 3-a

RECEIVED

JUL 0 5 1983

PRESIDENT'S OFFICE

Dr. Guy T. McBride, Jr.
President
Colorado School of Mines
Golden, Colorado 80401

Dear Guy:

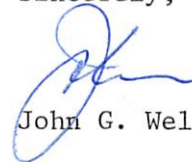
As you know, I have been appointed administrator of Region VIII, Environmental Protection Agency, effective July 11, 1983.

I request a leave of absence without pay from the Colorado School of Mines beginning July 9, 1983 and continuing for a period of two years. It is understood that the School is not obliged to reconstitute my present job upon the expiration of the leave of absence nor is it assured that I will be re-employed at the equivalent position. Further, it is not certain that I shall seek to return to the School. Finally, the term of the leave of absence is an estimate; it could be shorter or, subject to School approval, longer.

It has been a satisfying and rewarding experience working in your administration and for an institution of the stature of Mines.

With all good wishes for the years ahead.

Sincerely,



John G. Welles



July 19, 1983

Mr. John G. Welles
3802 South Gilpin Street
Englewood, CO 80110

Dear John:

I am pleased indeed to tell you that at its meeting of July 16 last the Board of Trustees approved your request for leave of absence according to the terms of your letter of July 5, 1983.

The Trustees asked me to inform you of their great satisfaction in the work you have performed for the Institution and of their very best wishes for outstanding success in your new appointment.

Yours sincerely,

GIMOB:cs

July 19, 1983

Mr. John G. Welles
3602 South Gilpin Street
Englewood, CO 80110

Dear John:

I am pleased indeed to tell you that at its meeting of July 16 last the Board of Trustees approved your request for leave of absence according to the terms of your letter of July 5, 1983.

The Trustees asked me to inform you of their great satisfaction in the work you have performed for the institution and of their very best wishes for outstanding success in your new appointment.

Yours sincerely,

GIMcB:cs

COLORADO SCHOOL OF MINES

INTER-DEPARTMENT COMMUNICATION

TO Judy O'Brien

FROM Carolyn Sudermann

SUBJECT John Welles

DATE July 29, 1983

John Welles resigned at the close of business Friday, July 8, 1983.

The Board granted Mr. Welles' request for a leave of absence without pay from

CSM beginning July 9, 1983 and continuing for a period of two years.

RECORD OF PROCEEDINGS

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Continuation of Temporary Appointments:

Thomas D. Martin Instructor in Physics	\$20,200 for the 1983-84 academic year
Robert C. Murphy Part-time Instructor in Mineral Economics	\$6,600 for the 1983-84 academic year
Gerald Rosenblatt Instructor in Physics	\$20,000 for the 1983-84 academic year

Reappointment to Temporary Positions after Interruption:

James R. Herring Adjunct Assistant Professor of Chemistry and Geochemistry	\$2,400 for the fall semester of the 1983-84 academic year
Kenneth E. Kolm Visiting Associate Professor of Geology	\$27,000 for the 1983-84 academic year
O. B. Sholders Visiting Associate Professor of Engineering	\$30,000 for the 1983-84 academic year
James C. Smart Adjunct Associate Professor of Chemistry and Geochemistry	For the 1983-84 academic year without compensation

Supplemental Salaries:

Robert M. Baldwin Associate Professor of Chemical and Petroleum-Refining Engineering	\$6,000 for the calendar year beginning September 1, 1983
Annette L. Bunge Assistant Professor of Chemical and Petroleum-Refining Engineering	\$6,000 for the calendar year beginning September 1, 1983
Matthew J. Hrebar Instructor in Mining Engineering	\$4,456 for the 1983-84 academic year
Robert H. King Associate Professor of Mining Engineering	\$4,456 for the 1983-84 academic year

Leave of Absence without Pay:

Karl R. Nelson Associate Professor of Engineering	For the 1983-84 academic year
John G. Welles Vice President for Planning and Public Affairs	Two years beginning July 9, 1983

Resignation:

James M. Lockhart Assistant Professor of Physics	
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July 16, 1983

RECORD OF PROCEEDINGS

Golden, Colorado
July 16, 1983

The Board of Trustees met in regular session on July 16, 1983, at 1:30 p.m. in Keystone Lodge, Keystone, Colorado.

Trustees present: Messrs. Coors, Henderson, Pascoe, Rosenzweig, Schwartzberg, Warren, Wilson and Wood.

Mr. Schwartzberg presided.

Also attending the meeting were President McBride, Vice Presidents Mueller, Nyikos, Robbins and Scott, Dean Golden, and other staff members, visitors and a representative of the press.

Oath of office was administered to student Trustee Lon Rosenzweig and was properly executed by him. Mr. Schwartzberg welcomed him as he began serving his second term.

Previous Minutes. The minutes of the meeting held on June 10, 1983 were approved as distributed.

Faculty Appointments. Dr. Mueller reviewed the new appointments to the faculty as follows.

Aleksander T. Futro Assistant Professor of Physics	\$23,000 for the 1983-84 academic year
Paul D. Newendorp Adjunct Professor of Petroleum Engineering	\$3,250 for the period August 22 to December 16, 1983
Fred H. Poettmann Professor of Petroleum Engineering	\$42,500 for the 1983-84 academic year, \$10,000 salary supplement from restricted funds
Deborah S. Tully Part-time Instructor in Mineral Economics	\$6,300 for the 1983-84 academic year
Michael H. Buckenham Visiting Associate Professor of Mineral Economics	Appointment is for the period June 1 to November 18, 1983, and is without compensation

Change of Appointment:

Arthur J. Kidnay Head of Department of Chemical and Petroleum-Refining Engineering	\$45,000 plus \$5,000 department head differential for the 1983-84 academic year, effective May 9, 1983
John M. Shannon Assistant Professor of Geology, Director of the Geology Museum, and Band Director	Changed from 10-month to 12- month contract effective September 1, 1983. \$31,000 for the 12-month period

RECORD OF PROCEEDINGS

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the use and disposition of Site 4. There is no record of rules having been made concerning such disposition.

The deed to Sigma Phi Epsilon is accompanied by an agreement that the Board of Trustees will have a preferential right of purchase.

The deed to Sigma Alpha Epsilon includes elaborate wording stating that CSM may match a bona fide offer-to-purchase from a third party.

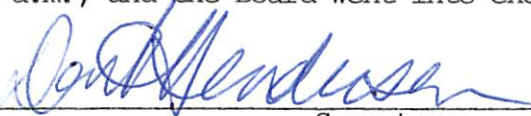
Sigma Kappa Request to Purchase Lot. President McBride explained that Sigma Kappa had from this Board an option to purchase lot 5 on West Campus Road. There are two other lots which are available, and members of the sorority have asked that the option be transferred to lot 6.

The Board agreed in principle to make the requested lot available subject to the presentation of plans for construction, which meet the guidelines provided by the previous action of the Board. Such designation will be available for two years from this date and may be renewed upon the request of the Sigma Kappa Sorority and the agreement of the Board.

Keystone, 1983. Dr. Mueller told the Board that the subjects for discussion at Keystone are a discussion and analysis of external review and accreditation activities of academic programs and a discussion of planning as it stands at the present time for the enhancement of graduate and research activities at CSM. He said that the views and plans of all academic department heads will be worked into the program.

Dr. Golden distributed and reviewed the tentative agenda for Keystone. Packets of information will be mailed to the Board members prior to the meeting.

The meeting was adjourned at 11:40 a.m., and the Board went into executive session.


Secretary

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	PRESENT RATE PER STUDENT 1982-83	NEW RATE PER STUDENT 1983-84
<u>Mines Park</u> (monthly rate)		
Buffet Apartment	225 util. incl.	240
1-Bedroom Apartment	300 " "	320
2-Bedroom Apartment	355 " "	380
2-Bedroom House (37, 38, 39)	390 " excl. water	415
2-Bedroom House (25, 26, 27, 28)	465 " excl. water	495
2-Bedroom House (30, 31, 34, 35)	330 + all utilities	350
3-Bedroom House	365 + all utilities	390

Residents are not responsible for irrigation of yards.

*Residence Hall students must choose one of the three available meal plans.

Proposal for Long-Term Financing of Dorm/Student Center Project. Mr. Scott introduced Mr. Dunn Krahl of Boettcher & Company, who discussed Background Information Report, CSM Student Housing Facilities Bonded Debt and CSM Revenue Bonds Preliminary Financing Schedule.

There was a favorable consensus on the part of the Board to proceed with the program as outlined.

Proposal from Investment Adviser. Mr. Scott said that he had received a proposal from the firm of Tempest, Isenhart, Chafee & Associates, financial advisers, that the document has been examined from a contractual basis, and that he believes it to be satisfactory. He reminded the Board that the firm would manage School funds in addition to Foundation funds. The School reserves the right to direct the firm with regard to investment goals and will be responsible for a management fee. Mr. Scott pointed out which funds would be managed. President McBride suggested that Mr. Scott review the investment objectives established by the Foundation and then talk to Mr. Tempest about the School's objectives in the light of the needs of the particular funds to be invested, which may be different from the Foundation's. Mr. Scott agreed to try to have this information for the July Board meeting.

It was moved, seconded and passed to adopt resolution proposed by President McBride that total amount not to exceed \$915,931 be committed to Mr. Tempest with the stipulation that the Board will authorize goals/guidelines for the investment of those funds in the near future.

Computer Status Report. Dr. McGrath briefed the Board on the progress of purchase of computers for CSM. The hardware has been ordered, and he feels confident that the software is available. Discussion ensued, following which he said that delivery will be about mid-July.

Mr. Wilson thanked Dr. McGrath for his report.

Reversion Clause, Fraternity Deeds. Mr. Scott referred to his memorandum to President McBride dated May 9, 1983, which reflects the following information:

The deeds to Beta Theta Pi and to Kappa Sigma carry no reversion or buy-back clauses.

The deed to Sigma Nu is accompanied by a recorded agreement in which Sigma Nu agrees to comply with all reasonable rules and regulations pertaining to

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RECORD OF PROCEEDINGS

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FY 1983-84 ROOM AND BOARD CHARGES

<u>Academic Year</u>	PRESENT RATE PER STUDENT 1982-83	NEW RATE PER STUDENT 1983-84
 Residence Halls*		
Bradford, Randall, Morgan, and Thomas		
Double Room	\$1270	\$1370
Single Room	1370	1470
 Twin Towers		
Double Room	1500	1600
Single Room	1550	1650
 Meal Plans, Academic Year*		
18-meal Plan	1200	1300
15-meal Plan	1090	1200
10-meal Plan	1020	1130
Residence Hall Activity Fee	6	6
 <u>Field Session</u>		
Randall Hall Room Only		
Double Room	245	265
Single Room	270	290
 <u>Summer Session</u>		
Randall Hall*		
Double Room	325	350
Single Room	355	380
 Twin Towers*		
Double Room	375	400
Single Room	400	425
 Meal Plans, Summer Session		
18-meal Plan	305	N/A
15-meal Plan	275	310
10-meal Plan	260	290
 <u>Prospector Village (monthly rate)</u>		
<u>Married Student Apartments</u>		
1-Bedroom	215	235
2-Bedroom	240	260
3-Bedroom	265	285
Furnished	Add 30	Add 30

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RECORD OF PROCEEDINGS

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<u>Summer Session Field Courses</u>	<u>Res.</u>	<u>Nonres.</u>
Tuition, 6 weeks	\$462	\$1266
Infirmary Fee, on-campus \$ 5.00		
Geology Field Camp, Est. Fee 680.00 includes food, maps, camping fee & Brunton compass fee		

Summer Session Academic Courses

Tuition, same as regular academic sem.		
Infirmary Fee \$ 9.00		
Student Center Fee 20.00		

Mandatory Accident Ins.

Mining 318, Semester \$ 5.00		
Mining 318, Field Session 1.50		

Intensive English Course

Tuition, 11 weeks		
Infirmary Fee \$ 12.00		
Student Center Fee 20.00		
Summer Activity Fee 60.00		

EN 01 \$1688
EN 02 844

Graduate Sessions

Fees are the same as for undergraduate students, with the following exceptions:

Thesis Research - Summer

Tuition, Min. 3 sem/hrs (Tuition is same for 14 weeks as 8 weeks)		
Infirmary Fee		
14 weeks \$ 12.00		
8 weeks 9.00		
Stu Center Fee, if on campus 20.00		

Thesis Fees

The charges for the binding of theses are included in the graduation fee.

Graduation Fees

Bachelors \$ 25.00	
Professional Engineers 25.00	
Masters 76.00	
Doctors 96.00	

June 10, 1983

RECORD OF PROCEEDINGS

1983-84 Budget and Tuition and Fee Approval. Mr. Scott reviewed the 1983-84 Recommended Budget Education and General, dated June 10, 1983. President McBride stated that the administration recommends approval of this budget together with the fee schedule. He said that money received from the Foundation which might in part be considered to contribute to the operation of the School will be reported in special budget formats which are under development. That information will be provided to the Board at the July meeting.

Further, Mr. Scott distributed and reviewed the following additional material: Proposed Budget Summary, 1962 and 1966 Bond Issues for FY 1983-84; Proposed Budget Summary, New Dormitory for FY 1983-84; Proposed Budget Summary, State Rental Properties for FY 1983-84; Proposed Budget Summary, Health and Accident for FY 1983-84; Proposed Budget Summary, Athletic Association for FY 1983-84; Proposed Budget Summary, Sponsored Research for FY 1983-84; Proposed Budget Summary, Associated Students for FY 1983-84; Proposed Budget Summary, CSM Publications for FY 1983-84; Proposed Budget Summary, Special Programs for FY 1983-84; Proposed Budget Summary, Green Center for FY 1983-84; Proposed Budget Summary, Explorations Research Lab for FY 1983-84; Proposed Budget Summary, Plant Facilities Revolving Fund for FY 1983-84; and Proposed Budget Summary, Self Funding Activities for FY 1983-84.

It was moved, seconded and passed to approve the proposed 1983-84 budget together with tuition, fees and dorm charges.

TUITION AND FEES FY 1983-84

Tuition Per Semester

<u>Student Load</u> <u>Semester Hrs</u>	<u>Res.</u>	<u>Nonres.</u>
9.5 & over	\$1155	\$3159
8.5 - 9.0	693	1899
7.5 - 8.0	616	1688
6.5 - 7.0	539	1477
5.5 - 6.0	462	1266
4.5 - 5.0	385	1055
3.5 - 4.0	308	844
2.5 - 3.0	231	633
1.5 - 2.0	154	422
.5 - 1.0	77	211

Outreach Tuition \$90/cr hr

Fees Per Semester

Infirmary	\$18.00
*Student Health Insurance	
Associated Students	13.25
Athletic	20.00
Student Center	40.00
Total	<u>\$91.25</u>
Orientation, New Stu	\$ 3.50

*Student Health Insurance Plan (nonmandatory). The cost for the Student Health Insurance Plan has not yet been concluded. Insurance also available for Summer Session only.

June 10, 1983

RECORD OF PROCEEDINGS

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Admissions. Dr. Nyikos referred the Board to the June 1, 1983 Admissions Report.

Mr. Young highlighted the report, pointing out that 23 percent of the committed students for the fall 1983 semester are women. He expects a significant increase in the number of minorities enrolling for the fall 1983 semester. Dr. Nyikos and Mr. Young responded to questions from the Board.

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

Fred R. Schwartzberg, President
Russell L. Wood, Vice President
Don K. Henderson, Secretary
W. Gordon Scott, Treasurer

Report on Academic Leave, Dr. Don L. Williamson. Dr. Mueller introduced Dr. Williamson of the Department of Physics, who was granted academic leave for the academic year 1981-82.

Dr. Williamson reported that he spent the year with the Solar Energy Research Institute (SERI) doing some major research. He believes that positive ties have been established between two research branches at SERI and the Physics Department at CSM, and this collaboration has resulted in two publications. He received a sabbatical grant of approximately \$20,000 from SERI. He briefly summarized other activities and some of the benefits derived from his academic leave.

Dr. Williamson thanked the Board for having granted him academic leave, and Mr. Wilson thanked him for his presentation.

Legislative Report. Mr. Charles Morris reported that the Long Bill went to the Governor for his signature on June 3.

Senate Bill 1, which establishes the Colorado Advanced Technology Institute, has been signed. CSM will have a representative on the commission which will administer the Institute.

The CERI bill has been signed and returns CERI to the jurisdiction of CSM, with President McBride as Principal Administrative Officer. President McBride said that as of July 1, 1983, the Board will be directly responsible for CERI and quarterly reports on CERI will be presented to the Board. Mr. Henderson asked for more frequent reports on CERI. President McBride said that he will distribute monthly CERI report to the Board.

President McBride emphasized that Senate Bill 1, regarding the Colorado Advanced Technology Institute, requires the appointment of one commissioner by the Board of CSM. He is unable to provide a recommendation at this time as the matter needs further discussion. He received the consent of the Board to deal directly with the President of the Board on this matter. Mr. Morris read the part of the bill which describes the makeup of the commission.

1982-83 Amended Budget. Mr. Scott reviewed CSM 1982-83 Education and General Budget, dated June 10, 1983. He then referred to Analysis of CSM Funds Available, dated June 6, 1983. He pointed out the unallocated reserve of \$395,493 and stated that this amount is not shown in any way in the 1983-84 budget.

President McBride stated that this is for the Board's information and does not need its approval.

June 10, 1983

RECORD OF PROCEEDINGS

Golden, Colorado
June 10, 1983

The Board of Trustees met in regular session at 9:00 a.m. on June 10, 1983.

Trustees present: Messrs. Coors, Henderson, Pascoe, Rosenzweig, Schwartzberg, Wilson and Wood.

Absent: Mr. Warren.

Also attending the meeting were President McBride, Vice Presidents Mueller, Nyikos, Robbins and Scott, Dean Golden and other staff members, visitors, and a representative of the press.

Mr. Schwartzberg presided during the early part of the meeting.

Previous Minutes. The minutes of the meeting held on May 6, 1983 were approved as distributed.

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

Jean L. Bell Instructor in Mathematics	\$27,000 for the 1983-84 academic year
Russell Fulmer Librarian and Assistant Director for Technical Services	\$26,000 for 12-month contract beginning July 1, 1983

Change of Appointment:

Donald W. Gentry Dean of Undergraduate Studies	\$60,000 for 12-month contract beginning July 15, 1983
Samuel B. Romberger Dean of Graduate Studies and Research	\$48,000 for 12-month contract beginning May 9, 1983

Resignations:

JoAnn T. Hackos
Assistant Professor of Humanities
and Social Sciences

Susan P. Waldorf
Research Associate, Resources
Communication Center

Monthly Financial. Mr. Scott made available and reviewed the monthly reports as follows: Current Funds Comparison with Budget Report, Current Funds - Summary by Fund Report and Time Deposits and Investment Report. He said that the School is operating within its financial plan.

Mr. Wilson entered the meeting at this time and presided for the remainder of the meeting.

RECORD OF PROCEEDINGS

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Mr. Scott reviewed the Green Center roof litigation and said that the settlement is now complete. He recommended the action outlined in his memorandum dated May 5, 1983, as follows:

It is moved that the Colorado School of Mines share of the Green Center Roof settlement be allocated as follows:

\$38,387.81 transferred to unexpended plant funds to cover the advance from the State Treasurer

\$331.77 transferred to Wild Horse Park funds to repay, in part, advances made from that source;

and that the expenditure of \$19,668.23 from Wild Horse Park funds be ratified as an appropriate use of such funds.

It was moved, seconded and passed to approve the recommended action.

The meeting was adjourned at 4:35 p.m., and the Board went into executive session.


Secretary

May 6, 1983

RECORD OF PROCEEDINGS

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The CATI bill has gone through the Senate and is working its way through the House. The bill remains heavily amended, and it is essentially coming out as reported previously.

The CERI bill is presently in the House Appropriations Committee. He anticipates that it will come through without complications, but this is not assured.

The bill extending the life of CCHE has gone through both Houses and is on the Governor's desk for signature.

Mr. Welles said that one of the bills concerning the classified salary survey has gone through the Senate with amendments. The amendments would make implementation of the salary survey optional until July 1984, no pay cuts will be necessary, next year the state would be permitted to contract out the survey to a private organization, and would require that if state employees are furloughed, this will have to be across the board starting from top to bottom. He does not believe that this applies to faculty.

Mr. Wilson asked questions regarding CERI, and Mr. Welles indicated that a briefing by the Director of CERI might be in order at the September Board meeting. Discussion ensued, following which President McBride explained that CERI is not presently a statutory agency directly responsible to the Board, that it is under contract to the Legislative Council.

1983-1984 Budget Parameters. President McBride reviewed possible adjustments to the 1983-84 budget. He said that the JBC in the long bill has budgeted the sum of \$10 million to take care of classified salary survey for all state agencies except higher education. There will likely be a 5% salary increase for the faculty and something like a 4 to 4-1/2% salary increase across the board average for classified personnel.

President McBride said that this is for information and that the administration will come back to the Board in June with more definite numbers.

Approval of Interfund Loans for Kipfer and Green Center Roof Expenses. Mr. Scott reviewed the Kipfer Trust history. He referred to the wording in his memorandum dated May 5, 1983, and recommended approval as follows:

It is moved that the actions advancing funds from the following sources, to cover expenses related to the Kipfer Estate, be ratified:

Johnson funds	\$10,000.00
Guggenheim funds	1,487.15
Dobbin funds	40,592.72

and that such transfers be considered interfund loans to the Kipfer noncorpus account. These loans will bear no interest and may be repaid when the Board of Trustees gains control and full use of the corpus of the Kipfer Unitrust.

It was moved, seconded and passed to approve the proposed wording.

May 6, 1983

RECORD OF PROCEEDINGS

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Mr. Wilson said that he would like to have a briefing on this at some future time. He thanked Mr. Rosenzweig for bringing it to the Board's attention.

Department and Degree Name Changes, Dept. of Basic Engineering. President McBride told the Board that he feels there is not a clearly satisfactory alternative to the problem, but believes that Basic Engineering is a name that is demeaning to that particular department. He recommends that the Board concur in the recommendation of the administration to change the name to Engineering Department and the degree to Bachelor of Science—Engineering.

The Board noted that it is an information item to which there is no objection.

Additional Candidates for Degrees. Distribution was made of list of additional candidates for May, June and August graduation as recommended by the faculty.

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

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING) - MAY

Bamesberger, Brett Eric

BACHELOR OF SCIENCE (MINERAL ENGINEERING CHEMISTRY) - JUNE

Hill, Zachary Douglas

BACHELOR OF SCIENCE (MINING ENGINEERING) - AUGUST

Howard, Terry Wayne

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING) - AUGUST

Konrad, Robert Ronald

BACHELOR OF SCIENCE (MINERAL ENGINEERING MATHEMATICS) - AUGUST

Moore, Steven Robert

Discussion of June Information Session. Mr. Welles recommended that the topic for the June information session be a status report on technology in education. He said that Dr. McGrath will give the Board a briefing on computer aided instruction, and that Dr. McGrath will consider inviting specialists in the field to the presentation.

President McBride thanked Dr. McGrath for being present at the Board meeting.

Advertising on Football Scoreboard. President McBride said that the Athletic Department has been approached by an advertiser with an offer to give the Department a new scoreboard with some advertising on it. He said that the administration is opposed to this as it does not believe that CSM should allow advertising on its property.

The Board accepted the recommended of the administration to decline the offer.

Legislative Report. Mr. Welles reported that the long bill has gone to the Conference Committee and CSM has emerged intact. There are two technical footnotes of interest to CSM, one of which deals with student fees and the other with lease-purchase agreements.

May 6, 1983

RECORD OF PROCEEDINGS

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Mr. Scott reviewed Analysis of CSM Funds Available, dated May 5, 1983. He pointed out that the estimated total unbudgeted funds available is \$522,401.

Mr. Scott stated that the firm of Tempest, Isenhart, Chafee & Associates has been hired by the CSM Foundation as financial advisers. He said that Mr. Stockmar, Chairman of the Foundation Investment Committee, has indicated it would be appropriate to have School funds managed jointly with Foundation funds. Mr. Scott said that this would require execution of an agreement by the Board to pay a management fee. The firm would be open to any instructions from the Board. President McBride pointed out that the Board has the authority to withdraw these funds from the Foundation Investment Committee at will.

Discussion ensued, following which Mr. Scott said that he will submit a proposal from the firm to the Board for consideration.

Mr. Scott said that a representative from Boettcher and Company would appear at the June meeting to discuss bonds to be used for dormitory financing.

Admissions. Mr. Young stated that the School is on target in terms of number of acceptances for this time of year. He said that the June 1 admissions report will indicate the number of students who have accepted for next fall and that the class should be filled between June 1 and July 1. He stated that the quality of students this year will be comparable to what we have seen over the past several years.

Placement and Cooperative Education. Dr. Nyikos introduced Mr. Warren Spaulding, Director of Cooperative Education, and Mrs. Susan Mitchell, Coordinator of Cooperative Education, who presented a status report on cooperative education and placement. Mr. Spaulding discussed the evolution of the office and called the Board's attention to the placement workshop schedule for fall 1983 and spring 1984. He reported that 89 CSM students have been hired for on-campus jobs this summer. He also outlined the costs to the School of the program.

Mrs. Mitchell discussed the program outline for the proposed Cooperative Education/Internship Project between CSM and the Cherry Creek School District. She reviewed the outline of the funding sources and answered questions. She requested Board approval for the establishment of this project as outlined.

Dr. Nyikos summarized the program and complimented his staff on its work. He expressed the hope that he may expect continued support from the Board. President McBride emphasized the need for cooperative jobs.

Mr. Wilson thanked Mr. Spaulding and Mrs. Mitchell for their reports.

Humanities Track Survey. Mr. Rosenzweig explained that in the humanities track system a student is required to take twelve hours in one of four different disciplines. The courses are structured so that they build on each other. This is intended to give students some depth in one area of the humanities. Based on student comment, he does not believe that the system is accomplishing this, and as a way of confirming this, student opinions were surveyed. He believes that the results could provide the basis for improvement.

Dr. Hereford, Head of the Humanities Department, stated that Mr. Rosenzweig is correct about the system being designed to give students increased depth in a given discipline, but the aggregation does not build in the same manner as engineering courses. He expressed the belief that the survey is not conclusive except as it concerns foreign languages. He believes that the data needs to be more complete before any changes are made in the system.

Dr. Chevront, Registrar, explained that the scheduling of humanities classes has been a problem also.

May 6, 1983

RECORD OF PROCEEDINGS

Golden, Colorado
May 6, 1983

The Board of Trustees met in regular session at 1:30 p.m., May 6, 1983, in the Gold Room of the Brown Palace Hotel.

Trustees present: Messrs. Coors, Henderson, Rosenzweig, Schwartzberg, Warren, Wilson and Wood.

Absent: Mr. Pascoe.

Mr. Wilson presided.

Also attending the meeting were President McBride, Vice Presidents Mueller, Nyikos, Robbins, Scott and Welles, Dean Golden and other staff members, visitors, and a representative of the press.

Oaths of Office. Messrs. Fred R. Schwartzberg, James C. Wilson and Russell L. Wood, having been confirmed by the Senate on April 12, 1983, took the oath of office.

Previous Minutes. The minutes of the meeting held on April 8, 1983 were approved as distributed.

Faculty Appointments. Dr. Mueller reviewed the new appointments to the faculty as follows.

R. Edward Knight Associate Professor of Basic Engineering	\$30,000 for the 1983-84 academic year
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Leaves of Absence

Beatrice E. Willard Professor of Environmental Sciences & Engineering Ecology and Head of the Department	On leave without pay for the 1983-84 academic year
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Betty J. Cannon Assistant Professor of Humanities and Social Sciences	On leave at one-half pay for the 1984 calendar year
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Salary Supplement

Catherine A. Skokan Assistant Professor of Geophysics	\$6,000 for the 1983-84 academic year
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Dr. Mueller announced that Dr. Dickson has asked to be relieved as Head of the Chemical & Petroleum-Refining Engineering Department effective May 7, 1983 for personal reasons, and he is recommending for the administration that Dr. Arthur J. Kidnay be appointed to this position.

President McBride noticed the Board officially that Dr. John O. Golden has been appointed to the post of Vice President for Academic Affairs and Dean of Faculty effective August 22, 1983. Mr. Wilson accepted the notice with enthusiasm and congratulated Dr. Golden.

Monthly Financial. Mr. Scott made available and reviewed the monthly reports as follows: Current Funds Comparison with Budget Report, Current Funds - Summary by Fund Report, and Time Deposits and Investment Report. He said that the School is operating within its financial plan.

RECORD OF PROCEEDINGS

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Legislative Report. Mr. Welles reported that the two percent rescission in the general fund appears to be the final word on what is to happen to the current budget. For next year, the JBC approved a four percent increase per FTE resident student. The JBC also appropriated \$265,000 to the School for the purpose of conducting its facilities master planning process for next year. If the School does receive the money, the process will begin July 1.

Mr. Welles reported that Senate Bill 1, involving the CATI, passed out of the Senate this week and is going to the House. It has been amended so that we are reasonably pleased with it. He said that no state monies have been appropriated to the Institute; the money will come from the private sector for at least the first year.

Mr. Welles stated he believes a compromise will be worked out in the classified salary survey situation. This bill will affect the increased budget for next year.

Mr. Welles said that the CERI bill passed in the Senate on third reading. An amendment was offered seeking to have funds appropriated through the Legislative Council, and this passed. He said that it is his understanding that this amendment is not acceptable to the Governor. It is hoped that this will be resolved when the legislation moves to the House.

1983-1984 Budget. Mr. Scott distributed draft for discussion of possible allocations within the 1983-84 budget. Mr. Scott reviewed the options, and President McBride said that we are only showing this as a conceptual framework if the four percent increase holds.

Renewal of ATO Property Option. Mr. Scott said that representatives of ATO had indicated continued interest in acquiring property on West Campus Road. He stated that the ATO is not ready to make a formal request at this time. There was an option to purchase the lot granted in December 1979, which expired in June 1980. Mr. Coors asked if there is a reversion clause in the deeds to properties previously sold to fraternities. Mr. Scott said that he will read the agreements and report to the Board. He reminded the Board that the condemnation suit is over. The funds held by the court were paid following the decision of the Board not to appeal.

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

After meeting with its attorney, Mrs. Mary Ellen McEldowney, Attorney General's office, in executive session, the Board recommended in open session at 1:05 p.m. and, upon the recommendation of its attorney and the School administration, took the following action:

The Consent Decree, Phariss vs. CSM, was approved to be executed and entered in substantially the form presented to the Board.


Secretary

April 8, 1983

RECORD OF PROCEEDINGS

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MASTER OF SCIENCE (MINERAL ECONOMICS) - MAY

Bassier, Friedrich R.	Reagan, Thomas P.
Cardich, Maria Timmy Mercedes Chappuis	Rich, Charles H., Jr.
Davila, Ramon T. F.	Schultz, Frank L.
Hecker, Susan R.	Shemeta, Clare E.
Miner, David Maxwell	Trimmer, Edith

DOCTOR OF PHILOSOPHY (METALLURGY) - MAY

Anderson, Ted Lynn

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING) - MAY

Hammon, Duncan Lyle

DOCTOR OF PHILOSOPHY (GEOLOGY) - MAY

Clark, John Robert	Hendricks, Michael L.
Harper, Charles T.	Madden, Dawn J.

DOCTOR OF PHILOSOPHY (CHEMICAL & PETROLEUM-REFINING ENGINEERING) - MAY

Perkins, Richard A.

DOCTOR OF PHILOSOPHY (GEOPHYSICS) - MAY

Bhasavanija, Khajohn

DOCTOR OF PHILOSOPHY (MINERAL ECONOMICS) - MAY

Kim, Tai-Yoo	Proehl, Thomas Strenger
Alfred-Ockiya, Constantine Oifie	Sengupta, Mritunjoy
Plodpradista, Wichian	

Distinguished Achievement Medal Selections. President McBride explained to the Board that each of the Medalists tentatively selected by the Board at an earlier informal session has expressed his desire to accept and recommended that the Board approve the list of Medalists.

It was moved, seconded and passed to approve the list of Medalists, as follows:

George W. Anderson
Met. E. 1956
Douglas R. Cook
D.Sc. 1952
Luis G. Morales
Geol. E. 1945

President McBride cautioned against discussing these selections until the appropriate publicity is put out by the Public Relations department.

Date for Student/Trustee Forum. Mr. Rosenzweig said that Blue Key would like to postpone the forum until September 1983 and would like to have another one in the spring of 1984. After receiving a favorable consensus from the Board, Mr. Rosenzweig said that he will return to the Board with proposed dates.

April 8, 1983

RECORD OF PROCEEDINGS

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MASTER OF SCIENCE (GEOLOGY) - MAY

Boreck, Donna L.	Phillips, Kent David
Corbett, Mary Diane	Ray, Robert Randolph
Franczyk, Karen J.	Reese, Ronald Scott
Geer, Kristen Anders	Richter, Brian Edward
Hofstra, Albert Hugh	Runnels, Tyson Dean
Hudson, Mark Ransom	Selby, Jonathan B.
Jones, Alison H.	Weber, Janine F.
Pawlewicz, Mark J.	Zalan, Pedro Victor

MASTER OF ENGINEERING (PETROLEUM ENGINEER) - MAY

Lane, James Louis, II
Portela, Carlos A.
Al-Assal, Jawad Radhi Rustam

MASTER OF SCIENCE (PETROLEUM ENGINEERING) - MAY

Jones, Richard Jon

MASTER OF SCIENCE (CHEMICAL & PETROLEUM-REFINING ENGINEERING) - MAY

Bradley, Timothy Graham	Rueff, Roger Martin
Erickson, Dale Douglas	Sheng-Wei, Michael
Gilman, James Russell	Weiler, Bruce Elliot

MASTER OF SCIENCE (GEOPHYSICS) - MAY

Abdelmalik, Mohamed B. A.	Rosborough, Kathy A.
Dalke, Roger Alan	Roundtree, Russell Douglas
Miles, Thomas Orland	Sullivan, Michael Francis
Milligan, Steve E.	Watkins, Gary L.

MASTER OF SCIENCE (GEOPHYSICAL ENGINEERING) - MAY

Rodriquez, Brian David

MASTER OF SCIENCE (CHEMISTRY) - MAY

Frauenhoff, Greg Robert

MASTER OF SCIENCE (GEOCHEMISTRY) - MAY

Higley, Debra K.
Miller, Christine Lyn
Tuesday, David Sheffield

MASTER OF SCIENCE (MATHEMATICS) - MAY

Repoff, Thomas Paul

MASTER OF SCIENCE (PHYSICS) - MAY

Malchow, Russell L., Jr.

RECORD OF PROCEEDINGS

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BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING) - AUGUST

Cobban, Robert Ray

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING) - AUGUST

Decker, Michael George
Konrad, Robert Ronald

Rathbone, Brian James
Sutan-Assin, Thor

BACHELOR OF SCIENCE (CHEMICAL & PETROLEUM-REFINING ENGINEERING) - AUGUST

Culligan, Michael Terrence
McMullen, Celia Colleen
Munns, Janet Louise

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING) - AUGUST

Ahmad, Mobashir Noman
Samuel, John Kevin

BACHELOR OF SCIENCE (MINERAL ENGINEERING MATHEMATICS) - AUGUST

Moore, Steven Robert

BACHELOR OF SCIENCE (MINERAL ENGINEERING) - AUGUST

McIntosh, Robin Lee, Jr.

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING) - AUGUST

Mullen, Arthur Leo, III

MASTER OF ENGINEERING (ENGINEER OF MINES) - MAY

Plis, Matthew Norman

MASTER OF SCIENCE (MINING ENGINEERING) - MAY

Ascencio, Jose A.
Brune, Jurgen Otto Friedrich
Medinaceli-Ortiz, Ruben

Nilsen, Michael John
Peters, Douglas Cameron
Bordiu, Francisco Javier Samaniego

MASTER OF SCIENCE (METALLURGY) - MAY

Kacma, Jules

MASTER OF SCIENCE (METALLURGICAL ENGINEERING) - MAY

Abdulgader, Saleh
Burnett, Michael Earl
Coubrough, Gary J.
Gibbs, W. Scott

Kelly, Michael Patrick
Purtscher, Patrick Thomas
Rense, Charles Edward Caston

MASTER OF ENGINEERING (GEOLOGICAL ENGINEER) - MAY

Cooper, Lon Michael
Gesink, Marc L.
Kline, John Harold

O'Brien, Patrick William
Stewart, Michael Hall

RECORD OF PROCEEDINGS

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BACHELOR OF SCIENCE (MINERAL ENGINEERING MATHEMATICS) - MAY

Carroll, Howell Lee
Frayser, Jeffory Brian
McCroskie, Arlin Irwin

Mozee, Norma Iris
Orosz, Michael Donald

BACHELOR OF SCIENCE (MINERAL ENGINEERING PHYSICS) - MAY

Greer, Rodger Darren
Herke, Richard Alan
Jensen, Derrick Bruce
Lark, David Thomas
Lookabaugh, Thomas Duncan

Manesiotis, Kimberly Annette
Martinez, Levi, Jr.
Opper, Allena Kay
Smith, Mark Alan
Stuart, Geoffrey Thomas

BACHELOR OF SCIENCE (MINERAL ENGINEERING) - MAY

Allen, Jeffrey C.
Bachman, Bryan Wayne
Bunnell, Steven Wayne
Burggraaf, Mark Alan
Cadwell, Christie Lee
Cevaal, John Nicholas
Cleys, Ronald Emil
Cohen, Roger Blair
Leap, Michael Jerald

Lesnick, Glen James
McLendon, Byron Eugene
Murray, Michael James
Norberg, Edward Randal
Simmons, Kent John
VanWormer, Steven John
Vaughan, Tim R.
Versaw, Randall F.
Weller, Paul Richard

BACHELOR OF SCIENCE (MINING ENGINEERING) - JUNE

Bridgeman, Charles Edward
Willoughby, Richard Brent

BACHELOR OF SCIENCE (CHEMICAL & PETROLEUM-REFINING ENGINEERING) - JUNE

Eberle, Kay Ellen
Hardin, Robert Joseph

Spoos, Margie Ann
Wood, Ronald Jay

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING) - JUNE

Berberick, Daniel Joseph
Lockhart, Betsy Alstad

BACHELOR OF SCIENCE (MINERAL ENGINEERING CHEMISTRY) - JUNE

Hill, Zachary Douglas

BACHELOR OF SCIENCE (MINERAL ENGINEERING PHYSICS) - JUNE

Jones, Andrew David

BACHELOR OF SCIENCE (MINING ENGINEERING) - AUGUST

Applegate, John Daniel
Howard, Terry Wayne
Kendall, John Joseph

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING) - AUGUST

Buchanan, Michelle Ann
Martin, Brian W.

RECORD OF PROCEEDINGS

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BACHELOR OF SCIENCE (CHEMICAL & PETROLEUM-REFINING ENGINEERING) - MAY

Ames, Richard Louis	Kinder, Julie A.
Arends, Ramon	Krupp, Gene Paul
Baker, Jolene Kathryn	Lenk, Cynthia Lee
Balint, Bradley John	Marshall, David Brian
Bamesberger, Brett Eric	Mencin, Catherine Ann Opekar
Banks, Curtis Wayne	Miller, Darrell James
Billinger, Shelly Renee	Mologne, Lewis Alan
Bonham, Jo Anne	Mori, Randy Jack
Book, Ricky Nathan	Nelson, Karl Marius
Bouvier, Deborah Lynne	Nenni, Joseph Anthony
Boyle, Timothy Patrick	Nguyen, Duke Thanh
Capra, Mary Judith Ann	Nguyen, Thang Quoc
Coen, David Steven	Parks, John M.
Cummings, Linda Jane	Petersen, Kenneth Ray
DePinto, Gary Anthony	Petricich, George Jack
Eacker, Joel Andrew	Poole, Thomas Scott
Evans, Brent Kevin	Prymak, William John
Gifford, Kevin Kent	Sajbel, Judith Ann
Glasford, William Thomas	Scotfield, Richard Dennis
Grey, Allen Michael	Swanson, Joel Thomas
Habliston, Todd Robert	Van Gelder, Roger Dean
Hetter, Adrienne Lynn	Walz, William Joseph
Hofmeister, Craig Reed	Wegener, Michelle Ann
Hubbard, Jeffrey Allen	Wold, Darcy Lei
Kaufmann, Leonard Allen	

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING) - MAY

Abbott, David Scott	Kirchhoff, Kirk Edward
Abell, Peter Gus	Kisselman, Glen Royce
Archibald, Donald Fredrick	Koshak, Marianne May
Benefiel, Michael Eugene	Landstra, Stephen H.
Blieler, Jeffrey Alan	Lemons, John Samuel
Brozovich, Marianne	Miloshevich, Larry Michael
Canfield, Mark Chester	Morris, Ellen
Carpenter, Glen Stuart	Nickoloff, Thomas Richard
Chopra, Anil Amar	Nolan, Matthew Leigh
Cieslewicz, Richard Mark	Parimanath, Austin
Derrickson, Daniel Craig	Perry, Lee Frederic
Edmund, Charles Edward	Revoir, Mary Elizabeth
Engelbrecht, Leslie Gene	Rigsby, Peter Gordon
Geist, Eric Leslie	Rogers, Roxanne Cecile
Grant, Carl Dean	Russell, Carey Laurence
Hayden, Joel Thaddeus	Shank, Robert Dean
Heinzler, Carl Thomas	Skopinski, Tracey Ann
Huyck, Douglas Raymond	Smith, John Joseph
Jirikowic, Julie Ann	Thomas, Susan Genevieve
Jones, Andrew David	Tyrrell, Timothy Edward
Keller, Susan Diane	White, Sandra L.
Kierstein, Renee Ann	Winkelman, Eric Stephan

BACHELOR OF SCIENCE (MINERAL ENGINEERING CHEMISTRY) - MAY

Burchinal, John Charles	Hite, Gary Alan
Heidt, Philip Conrad	Jarrett, Karen Lynn

RECORD OF PROCEEDINGS

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PROFESSIONAL DEGREE (METALLURGICAL ENGINEER) - MAY

Garcia, David A.

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING) - MAY

Abrant, William Ray	Nourse, Jonathan Alan
Collins, Daniel Gillitt	Pease, Gary Dwight
DeBell, Michael Frank	Pedler, William Haigis
Degner, Richard A.	Piper, James Brandon
De Mass, Tye Rodney	Price, Neal Joseph
Flinner, John Robert	Rejeske, Michelle Marie
Friedman, Jonathan Paul	Rhoads, Holly A.
Gergurich, Leslie Kay	Saxton, John Lyman
Griggs, Paul Harold, Jr.	Scheidegger, Dave Allen
Hallman, David Stanley	Seiber, Mike F.
Hartfelder, Theodore Thomas	Smida, Edward Steven
Howie, John Mark	Stubbe, Paul S.
Jacobson, Alan David	Teel, Michael Aaron
Moisen, Stephen Michael	Trumpolt, Clayton W., Jr.
Neely, Joseph Alan	Valas, Athea Lynn
Newill, Richard James	Weyman, William Glenn

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING) - MAY

Altman, Jeffery Howard	Kerrihard, Kenneth Jay
Bankert, Roger Lee	Klingensmith, Wallace Neil
Bigler, Rex Allen	Krajicek, Catherine Lee
Bjorum, Rolf Michelsen	Krol, Walter John
Blaser, Susan Marie	Lawless, James Alan
Bogrett, Blake Boyd	MacBride, Eric Scott
Bolke, Jeffrey Scott	McGinnis, Patrick Steven
Brady, Carey Lane	McPherson, Steve Douglas
Brown, Evelyn Eileen	Miller, Randall Ray
Cade, Randall Wesley	Niesen, Ronald Mark
Cain, William Neil	O'Brien, Darien Gerard
Cielinski, Gregory Dean	Presley, Frank Hunter
Coopersmith, Ellen Miriam	Reiling, Benny Lee
Corley, Thomas Joseph	Riedel, Kenneth Lee
Cudney, Todd Martin	Schinzal, Paula Sue
Dentici, Roberto	Schneider, William Scott
Dickman, Paul Alan	Shaw, Stanley Earl
Dimit, Robert Leslie	Shelledy, Jack Douglas
Dinges, Darrell Dee	Smink, Tracey Lynn
Graham, Crystal Valerie	Stafsholt, John Alan
Griffis, Richard Darryl	Stallings, Michael Andrew Joseph
Guinn, Michael Blaise	Stander, Gregory Brett
Hannon, Connor Michael	Stuska, Stephen John
Hickey, Michael Joseph	Vaughn, Robert George, Jr.
Jenner, Richard Clark, III	Will, Kirby Dean
Jensen, David Brian	Wilson, Scott James
Johnston, Lance Oliver	Winslow, Paul Michael
Kaiser, John Patrick	Worrell, Patrick Kenneth
Keil, James Thomas	

RECORD OF PROCEEDINGS

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Additional Academic Leave, Calendar Year 1984. President McBride reviewed Memorandum from Dr. Mueller, dated April 1, 1983, in which Dr. Mueller stated that Dr. Betty J. Cannon of the Department of Humanities and Social Sciences has requested half-pay academic leave for the calendar year 1984. Her request is endorsed by the department head, Dr. Hereford. President McBride said that he and Dr. Mueller recommend approval of the request.

Discussion ensued, following which the Board approved the request for academic leave.

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

BACHELOR OF SCIENCE (MINING ENGINEERING) - MAY

Albers, Timothy Louis	Matheson, Eric H.
Allen, Mark A.	Over, Robert Jeffrey
Bayer, Kerry Ray	Powell, David Alan
Browne, Reg Kenneth	Reid, Walter Albert, Jr.
Bruce, Gregory Alan	Rogers, Joseph Anthony
Burson, Craig Edward	Roselius, Russell Lawrence
Carlstrom, Carolyn June	Samuels, Jeffrey Scott
Debus, Gary Don	Sanburg, Hugh Olin
deMontigny, Eric Alexander	Sauer, Karl Alan
Donato, Douglas Aronne	Sparrow, Bruce Michael
Doverspike, Keith Alan	Streiffert, Thomas Otto
Hall, William John	Taylor, Robert Michael
Hankins, Tammy S.	Tougaw, Sara Kathleen
Hardesty, Lance Regan	Vermeyen, Charles Philip, Jr.
Hathaway, Thomas Lewis	Wilkinson, Dwayne Ray
Jones, Dennis Michael	Wollant, Douglas Gerald
Lewis, Thomas Brian	Workman, Loren Ray
Mallery, Jay Scott	Young, Thomas Patrick

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING) - MAY

Banaszak, James Edward	Leonard, Rodney Lloyd
Campbell-Westfall, Diane Lee	Leoffelholz, Mark David
Cassidy, Dana James	Lund, Richard Olen
Cochran, Thomas Howard, III	Lundy, Nicholas Joseph
Curto, Michael Bruce	McKeever, Brian Edward
Dooley, Thomas Joseph	Muth, Thomas Ross
Dunn, Paul Stanton	Nagorka, Michael Stephen
Durkee, Daniel Lee	Pettine, Gregory E.
Fisher, George Timothy, II	Rickey, Cernit Michael
Garcia, David A.	Rients, Susan Marie
Gumina, Tim Vincent	Suarez, Elliott Albert
Hudson, Gary Edwin	Wales, Brian Hardin
Knieriem, Kathleen Marie	Weis, Michael Joseph
Lauer, Patricia Ann	Witter, Stewart LaMotte

RECORD OF PROCEEDINGS

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Continuation of Appointments

Thomas J. McInerney
Adjunct Associate Professor of
Humanities and Social Sciences \$2,500 for the spring semester of
the 1982-83 academic year

Jerome G. Morse
Adjunct Professor of Physics \$1,000 for the spring semester of the
1982-83 academic year

Reappointments

Robert H. Gesumaria
Assistant Professor of Basic Engineering \$28,000 for the 1983-84 academic
year

R. Theodore Hurr
Adjunct Associate Professor of Geology No salary for the spring semester of
the 1982-83 academic year

Additional Assignment

Thomas L. Davis
Assistant head Geophysics Department \$1,600 salary supplement for the
1983-84 academic year

Monthly Financial. Mr. Scott made available and reviewed the monthly reports as follows: Colorado School of Mines Current Funds Comparison with Budget for the Nine Months Ending March 31, 1983; Colorado School of Mines Current Funds - Summary by Fund for the Nine Months Ending March 31, 1983; and Colorado School of Mines Time Deposits and Investment Report, dated March 31, 1983. He said that the School is operating within its financial plan.

Mr. Scott distributed and reviewed Analysis of CSM Funds Available, dated April 7, 1983. He called the Board's attention to estimated year-end balance of \$406,168, which is unbudgeted. President McBride noted that 1983-1984 budget parameters will be presented to the Board in June and that at such time it will be proper to consider further allocations, if any, from this year-end balance.

President McBride distributed signed copies of the Memorandum of Understanding and stated that we have as in prior years retained the right to lobby the caucuses to change the dollar numbers in the long bill.

Admissions. Dr. Nyikos called the Board's attention to the April 1983 Admissions Report and said that Mr. Young would answer questions concerning his memorandum dated April 6, 1983 regarding new student quality for fall 1983. He said that the number of women expected to enter CSM should remain the same and that the minority enrollment for fall 1983 shows a significant increase. With regard to quality of incoming students, Mr. Young said that this next year's class will be comparable to what we have seen in the past few years.

Report on Academic Leave, Prof. Alfred Petrick, Jr. Dr. Petrick, Coulter Professor of Mineral Economics, reported on his academic leave taken in the fall of the 1982-83 academic year. He gave a summary of activities performed during his leave, which included the teaching of short courses at CSM and also courses to executives working in the mineral industry in Bolivia and Columbia. He stated that he has designed several computer programs, has written several chapters for a book, and will be teaching a new course directly related to minerals agreements.

Mr. Wilson thanked Dr. Petrick for his presentation.

April 8, 1983

RECORD OF PROCEEDINGS

Golden, Colorado
April 8, 1983

The Board of Trustees met in regular session on April 8, 1983, at 9:00 a.m.

Trustees present: Messrs. Coors, Henderson, Rosenzweig, Schwartzberg, Warren, Wilson and Wood.

Absent: Mr. Pascoe.

Mr. Wilson presided.

Also attending the meeting were President McBride, Vice Presidents Mueller, Nyikos, Robbins, Scott and Welles, Dean Golden and other staff members, visitors, and a representative of the press.

Executive Order. President McBride reported the following communication:

EXECUTIVE ORDER A 084 83

ORDERED:

That the following named persons be and they are hereby reappointed to the

COLORADO SCHOOL OF MINES BOARD OF TRUSTEES

for terms expiring March 23, 1989:

Fred R. Schwartzberg of Denver, Colorado, to serve as a graduate of the School of Mines;

James C. Wilson of Longmont, Colorado;

Russell L. Wood of Evergreen, Colorado, to serve as a graduate of the School of Mines.

Previous Minutes. The minutes of the meeting held on March 4, 1983 were approved as distributed.

Faculty Appointments. Dr. Mueller reviewed the new appointments to the faculty as follows.

Robert T. Beckman Adjunct Assistant Professor of Mining Engineering	\$2,000 for the spring semester of the 1982-83 academic year
Mary C. Dale Part-time Librarian	At the rate of \$16,000 for the period March 1 through August 31, 1983
R. W. Hutchinson Charles Franklin Fogarty Professor of Geology	\$60,000 for the 1983-84 academic year, prorated for the period July 1 through August 22, 1983

RECORD OF PROCEEDINGS

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New Graduate Degrees in Environmental Sciences. Dr. Golden presented a proposal for a graduate degree program leading to the Master of Science in Engineering Ecology and the Master of Science in Mineral Resource Ecology, prepared by the Department of Environmental Sciences and Engineering Ecology. He stated that the proposal has been approved by the Graduate Council, the Graduate Faculty and by the administration. If the Board approves the proposal, it will be submitted to the CCHE. Within 90 days of receipt of the proposal, CCHE will take action on the request.

Dr. William Marlatt, acting head of the Department of Environmental Sciences and Engineering Ecology, stated that he is not requesting additional FTE or resources. There are approximately 20 students waiting to apply, and five to ten of those students will be accepted. He stated that there is an indication that the program does have a fairly strong future and will probably press our resources in the future. He said that there are two programs. One program is for engineers, and the other program is in response to individuals who are working in the permitting areas who want to get a degree in natural resources area.

Mr. Schwartzberg said that he is supportive of the proposal. He voiced concern that the department is thinly staffed, and also expressed concern about possibly recommissioning decommissioned building for classroom space. With regard to the former, Dr. Golden responded that we have a commitment of three full-time FTE and a number of adjuncts have also been supplied.

It was moved, seconded and passed to take the proposal to the CCHE for consideration.

Report on UAA and SPS Book Sales. Mr. Rosenzweig reminded the Board that he had promised an operational report and plan concerning the book sales. He called the Board's attention to memorandum dated March 4, 1983, addressed to the Board, and signed by President McBride and David Crawford of the Alumni Association supporting the request for student book sales. He reviewed his report and asked for Board approval for the UAA and SPS to sell books, and for approval of book sales by other department-affiliated student organizations under the control of and with the financial backing of CSMAA.

Discussion ensued, during which Mr. Crawford stated that he has been pleased by the response of the students, and he is pleased to continue assisting them in this effort.

It was moved, seconded and passed to approve the request.

Student/Trustee Forum Topics. Mr. Rosenzweig reminded the Board that the forum will be held on Tuesday, March 15, 1983, at 4:00 p.m. in Room 204 of the Brown Building. He reviewed the list of topics for the forum and requested each Trustee to take a topic and speak for about five minutes. A question and answer period will follow.

Master Plan. Mr. Welles distributed and reviewed the revised role and mission statement for inclusion in the state master plan.

It was moved, seconded and passed to approve the changes.

The meeting was adjourned at 12:00 noon, and the Board went into executive session.


Secretary

March 4, 1983

RECORD OF PROCEEDINGS

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President McBride asked permission to place revocable order for hardware. He is not yet prepared to ask for approval of present financing plan as other financing might be available to us.

The Board reached a consensus to place revocable order for hardware.

Request for Renewal of CSMRI Land Leases. Mr. Scott explained that CSM and CSMRI entered into a lease agreement January 2, 1958 which permitted CSMRI to lease certain realty for a period of 25 years with an option to renew for 25 years. The two institutions also entered into a lease agreement July 9, 1958 to lease certain realty for a period of 25 years with an option to renew for 25 years. He stated that he is asking the Board to approve an amendment making the dates and terms of those leases uniform. He is asking that the term of the lease shall begin January 1, 1983, and that the period of the lease shall be for 25 years, except that in the event it should become necessary for CSM to use the realty, or a part of the realty, for college purposes, then CSM may require CSMRI to remove and relocate buildings upon the realty, by giving one year's written notice. All other terms and conditions of the agreements would remain the same.

It was moved, seconded and passed to approve the proposed amendment.

Legislative Report. Mr. Welles reported that the House and Senate still have not resolved their differences concerning the total amount of the rescission in the general fund. He stated that the bill concerning CATI has moved out of Senate Education and is now in Senate Appropriations.

Senate Bill 204, which concerns the continuation of CERI, has been amended as we wished, and it is now in Senate Appropriations. It appears to be moving through the Senate.

Mr. Welles stated that the CCHE renewal bills are beginning to move through the House and that there is to the best of his knowledge no serious opposition.

Mr. Welles reported that, with regard to the classified salary survey, two bills are moving through the House, and the Legislature seems to be trying to reduce the negative impact which the salary survey would have on state institutions. President McBride noted that the reported average increase is 4.6% with many employees being called upon to take a reduction.

CCHE Master Plan. Mr. Welles stated that the state is discussing a draft version of CCHE master plan for higher education, a lengthy document which has been reviewed by the administration. He believes it is a good draft which contains issues that the state will be dealing with in the coming years. Mr. Welles said that minor change is needed in the Board approved role and mission statement to conform it to CCHE requirements for inclusion in the CCHE master plan. He said that he will distribute the proposed changes prior to the conclusion of today's meeting.

Mr. Schwartzberg noted the favorable comments of the CCHE concerning our Master Plan.

Mr. Lyle L. Ellickson's Request for Modification of Covenants. President McBride explained that the administration requested that Mr. Ellickson make a safety inspection of the structures formerly known as Prospector Park. He recommends that Mr. Ellickson be required to remove one-half the buildings from the property no later than June 30, 1984, and to remove the other half of the structures by June 30, 1985. The administration is also recommending that no further changes in the covenants be considered.

It was moved to approve the recommendations of the administration as outlined in Mr. Scott's memorandum dated March 2, 1983, which had previously been distributed to the Board. This motion was seconded and passed.

Opposed: Mr. Henderson.

March 4, 1983

RECORD OF PROCEEDINGS

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Dr. Nyikos requested Board approval to forward the funding request to the Foundation Board. The request level would be a potential \$1.4 million at the upper limit in view of the fact that tuition for 1983-84 has not yet been set by the Board. Mr. Robbins indicated that there are sufficient funds in the Foundation.

It was moved, seconded and passed to request of the CSM Foundation funding at the \$1.4 million level. This request may be altered and recalculated when tuition is ultimately set by the Board.

Dr. Nyikos thanked the Board.

Request to CSM Foundation. President McBride reviewed the history of the Alden S. and Adelaide F. Donnelly gift to the Library and noted that Mr. Phinney of the Library has requested that the Foundation Board be asked to designate this bequest as endowment with income for Library purposes. President McBride stated that the administration recommends that it be granted permission to request this of the Mines Foundation.

It was moved, seconded and passed to approve this request.

Report on Academic Leave, Prof. Oded Rudawsky. Dr. Rudawsky, Professor of Mineral Economics, thanked the Board for the opportunity to take a sabbatical during the 1981-82 academic year. He explained that he had no specific plans, but felt that he needed a change of environment. He said that he spent the first month of his leave in Brazil where he offered two short courses and discussed some research proposals. Upon his return, he organized and ran some short courses in Continuing Education and continued his involvement as an advisor to several students who were completing thesis work.

Prof. Rudawsky said that most of the time was devoted to completion of a basic textbook on mineral economics entitled Mineral Economic Development and Management of Natural Resources. He stated that he participated in two intensive courses during this period, and was involved in consulting work.

Prof. Rudawsky stated that, overall, he believes it was a useful year, and thanked the Board.

Mr. Wilson thanked Prof. Rudawsky for his report.

Report on Exploration Research Laboratory. Dr. Golden reminded the Board that it had permitted ERL to operate in a deficit mode pending receipt of funds which had been pledged. He stated that those funds have now been received.

Dr. Keller of the Geophysics Department reported on the present operation of and future plans for ERL. He reviewed the ERL Statement of Position through February 28, 1983. He stated that we really should make a decision concerning the long-range goals of ERL. He said that the alternatives being considered concerning the future operation of ERL are expanded research operation, continue ERL with its present structure and sell contracts month by month, or sell only summer projects. He stated that sometime during the summer we need to decide what to do about the Cyber computer. He answered questions concerning the costs connected with operating the Cyber computer.

Mr. Wilson thanked Dr. Keller for the briefing.

Report on Administrative Computer System. Dr. McGrath of the Computing Center said that he is before the Board with a request to proceed with the purchase of Wang hardware. He reviewed the financing plan and the anticipated income.

March 4, 1983

RECORD OF PROCEEDINGS

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E. Dendy Sloan, Jr.
Associate Professor of Chemical and
Petroleum-Refining Engineering

\$4,500 for the 1982-83 academic year

Monthly Financial. Mr. Scott made available and reviewed the monthly reports as follows: Colorado School of Mines Current Funds Comparison with Budget for the Eight Months Ending February 28, 1983; Colorado School of Mines Current Funds - Summary by Fund for the Eight Months Ending February 28, 1983; and Colorado School of Mines Time Deposits and Investment Report, dated February 28, 1983.

Mr. Scott believes that there may well be a one-half percent rescission in the general fund in addition to the two percent already announced and planned for by the Board. He stated that our request for an enrollment supplemental appears to be receiving favorable consideration. He said that we will be able soon to make some internal recommendations regarding allocation of funds held pending determination of the above factors.

Admissions. Mr. Young pointed out that the admissions report contains the count of women and minority students. Mr. Young stated that the increase in the number of minority applicants seems to be the result of several institutional program efforts directed toward minority students in high schools.

Dr. Chevront reviewed the Registrar's Report for spring 1982-83, and responded to questions.

Audit Reports. Mr. Scott distributed the audit reports for the Colorado School of Mines and the Colorado Energy Research Institute. He referred the Board to recommendation 18 that a fire suppression system be installed in the Computer Center. Mr. Scott stated that the Legislative Audit Committee has recommended that we use the flexibility given to us by the Memorandum of Understanding and take funds from our operating budget. We have written to the Chairman of that Committee and explained that this is a capital problem, not an operating problem. We are waiting for a reply. He said that the problem may be solved by the donation of a system.

Mr. Scott also highlighted recommendation 14 which deals with the CSMF and CSM relationship. In view of the close relationship of the two Boards, the Committee questioned whether the Foundation was acting properly in restricting funds to be brought into the School. We take the position that there is an adequate separation and that the restriction is therefore proper.

The Board reviewed and took cognizance of the reports.

Financial Aid Report and Request to CSM Foundation. Dr. Nyikos reviewed Report of Undergraduate Student Financial Assistance 1982-83 and presented the request for funding approval prepared by Mr. Warren Mason, Director of Financial Aid. Dr. Nyikos explained the difference between grants and scholarships in response to a question from Mr. Coors, who expressed concern that the funds given for grants do not have to be repaid. Mr. Mason added that it is suggested to students who are recipients of grants that they repay grants by way of donations to the School in order to assist other students.

Mr. Schwartzberg said that he believes that grants should be grants, and he hopes that the Foundation and the Alumni Association would set up some kind of very formal system for communication with students who have received assistance. Mr. Robbins of the CSM Foundation said that the Foundation has a system for tracking students who have received some kind of aid. President McBride offered to review with the Board the entire matter of specific contribution efforts toward grant and loan recipients when more information is available.

March 4, 1983

RECORD OF PROCEEDINGS

Golden, Colorado
March 4, 1983

The Board of Trustees met in regular session on March 4, 1983, at 9:00 a.m.

Trustees present: Messrs. Coors, Henderson, Rosenzweig, Schwartzberg, Warren, Wilson and Wood.

Absent: Mr. Pascoe.

Mr. Wilson presided.

Also attending the meeting were President McBride, Vice Presidents Mueller, Nyikos, Robbins, Scott and Welles, Dean Golden and other staff members, visitors, and a representative of the press.

Previous Minutes. The minutes of the meeting held on February 11, 1983 were approved as distributed.

Faculty Appointments. Dr. Mueller reviewed the new appointments to the faculty as follows.

Hilton B. Evans Adjunct Assistant Professor of Petroleum Engineering	\$3,100 for the spring semester of the 1982-83 academic year
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Continuation of Appointments

Wesley G. Johnson Adjunct Associate Professor of Mining Engineering	\$2,000 for the spring semester of the 1982-83 academic year
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Norman B. Wilson Visiting Assistant Professor of Humanities	\$6,000 for the spring semester of the 1982-83 academic year
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Leaves of Absence

Jerrold J. Burnett Professor of Physics	Continuation of leave without pay granted for 1982-83 to continue through the 1983-84 academic year
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Robert D. Hamilton Assistant Professor of Geology	On leave without pay for the spring semester of the 1982-83 academic year
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Charles H. Stoyer Assistant Professor of Geophysics	On leave without pay for the 1983-84 academic year
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Robert G. Underwood Associate Professor of Mathematics	On leave at one-half salary for the 1984 calendar year
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Salary Supplements

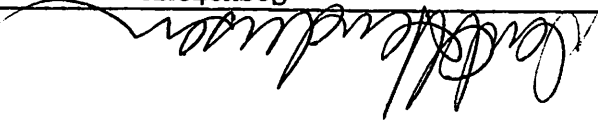
Hilton B. Evans Adjunct Assistant Professor of Petroleum Engineering	\$1,600 for the spring semester of the 1982-83 academic year
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February 11, 1983

session.

Dr. Burgess thanked the Board for its support.
The meeting was adjourned at 11:30 a.m., and the Board went into executive

Secretary



RECORD OF PROCEEDINGS

RECORD OF PROCEEDINGS

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Dr. Nyikos reported that the language in House Bill 1204, concerning student transfer, has been amended so that it is now acceptable to CSM.

Dr. Nyikos also reported on House Bill 1506 which would raise the legal age for drinking to 21. We have responded to CCHE in terms of impact on campus life. Mr. Coors asked what would be the responsibility of the administration and Trustees in terms of enforcing the 21-year-old age limit. Dr. Nyikos indicated that it would be considerably greater, and we indicated that in our response to CCHE. In terms of supervision alone there would be many changes. There would be liability concerns and some fiscal loss, which is the least important consideration.

CCHE Meeting of March 3. President McBride discussed the March 3 meeting of the CCHE on the CSM campus, the day before the March BOT meeting. There will be a reception and a dinner following the reception with the Commission. CCHE may ask Mines to make a presentation on its Master Plan. The BOT will not share any activities with CCHE on Friday, March 4. He promised to keep the Trustees closely informed of the arrangements as they are made.

Student-Trustee Forum Plans. Mr. Rosenzweig reported that the student-Trustee forum is set for Tuesday, March 15, at 4:00 p.m. in Room 204 of the Brown Building. He would like to have each Trustee give a short talk on some facet of the Master Plan. There will then be a question and answer period to be followed by a social program. He will have a list of topics prepared for the March Board meeting. He stated that the issue of tuition will be included in the list of topics. Blue Key is sponsoring the program. The Board of Directors of the CSM Foundation will be meeting on the campus that day from 1:00 to 4:00 p.m.

Status Report on Administrative Computer System. Dr. Mike McGrath, Director of the Computing Center, distributed memorandum dated February 11, 1983 regarding new data processing/word processing system status. He stated that it has been determined that Wang hardware is the best system. The software selection will be completed by February 28. He discussed the costs and financing plan, and stated that he expects to have the system installed in June.

Dr. McGrath said that he would like to come before the Board in March with final details.

Report on Institute for Minerals & Energy Management. President McBride said that he felt that the Board would wish to hear definite plans for sessions and a report on the budget of the Institute. He reminded the Board that Dr. Burgess last made a progress report in November.

Dr. Burgess stated that there are significant refinements in the direction that the Institute is going. He distributed and reviewed a briefing book and said that the two major thrusts are management development programs and leadership and strategies programs. He discussed sessions that are being planned.

Dr. Burgess discussed the Institute's budget, and indicated that the Union Pacific Foundation has changed the schedule of payments to the Institute, which creates a cash flow problem rather than level of support issue. Mr. Wilson said that this would be an interim cash flow request, and that the Board is asking the Foundation to cover the revenue side of the Institute until the U.P. Foundation money comes in. Mr. Wilson moved that the Board request that the matter be taken before the CSM Foundation Board. The motion was seconded and passed.

Mr. Wilson indicated that the Board will want to hear from Dr. Burgess on a quarterly basis concerning the Institute's progress.

February 11, 1983

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James G. Johnstone, Professor of Civil Engineering, and Prof. Robert J. Weimer, Professor of Geology, which recommends conferral of emeritus status at the May 7, 1983 Commencement on Professors Johnstone and Weimer and acknowledgment at Commencement of Prof. Frush's retirement.

President McBride also referred the Board to his supplemental memorandum dated February 11, 1983 recommending emeritus status for Dr. Mueller on his retirement effective August 1983. Professors Johnstone, Muller and Weimer satisfy all of the requirements as stated in the Faculty Handbook, Tenth Edition.

It was moved, seconded and passed to approve the above recommendations.

Legislative Update. Mr. Welles introduced Mr. Dick Ross of the CCHE and Mr. Richard Frost from The Transcript.

Mr. Welles stated that the 1982-83 budget is still a source of concern to the Legislature. The House and Senate are unable to agree on how to tax to make up the anticipated deficit. It appears that there will be another one-half percent rescission in the general fund appropriation.

Mr. Welles said that it is highly likely that there will be a 0% increase in general fund appropriation for higher education in the 1983-84 budget.

Mr. Welles reported on the following bills.

Senate Bill 01, which concerns the Colorado Advanced Technology Institute (CATI), will be heard for the first time next week. Currently, higher education has several problems with the bill and if these are not worked out, he does not know what will happen to this bill.

Senate Bill 120 deals with correctional industries and requires agencies like CSM to purchase items from correctional agencies if items are available. Our experience has not been good in terms of quality and delivery.

Senate Bill 30 is an attempt to continue the limit on general fund appropriation increase to 7% year to year.

Senate Bill 204 would reinstate the Colorado Energy Research Institute (CERI) in substantially its original form. No hearings have been scheduled. CSM's position is supportive of legislation without liaisioning activities on the part of CSM. Budget amount presumably would be the same as the current year. CERI has been continued this year under contract with the Legislative Council.

Senate Bill 156 concerns availability of financial aid funds for private institutions. CCHE has taken a favorable position in the past.

House Bills 1031 and 1069 concern the reinstatement of CCHE. The difference between the two bills is that one would extend the life of CCHE one year more than the other. He indicated that someone from CSM will testify. The Board has taken a stand in favor of the continuation of CCHE, and the administration will testify to reinforce that position.

House Bills 1187 and 1301 deal with classified salaries. Bill 1187 would allow a fiscal emergency to be declared, in which case the salary survey increase which would be forthcoming for classified employees would be postponed. Bill 1301 would make the salary survey advisory. The Governor is reported to be quite concerned about this as it would in effect take away the floor from the classified employees.

February 11, 1983

RECORD OF PROCEEDINGS

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Monthly Financial. Mr. Scott made available and reviewed the monthly reports as follows: Colorado School of Mines Current Funds Comparison with Budget for the Seven Months Ending January 31, 1983; Colorado School of Mines Current Funds - Summary by Fund for the Seven Months Ending January 31, 1983; and Colorado School of Mines Time Deposits and Investment Report, dated January 31, 1983. He pointed out that there is a correction at the bottom of the right-hand column in Report #1.

Mr. Scott stated that we are operating within our financial plan. There is pending a legislative determination whether or not there will be a further rescission in the general fund appropriation.

Admissions and Enrollment. Mr. Young advised the Board that the situation now is about the same as reported at the January Board meeting. He stated that the quality of applicants is well within what we have seen in the last few years, with out-of-state students being particularly strong. He pointed out that transfer students also appear to be particularly strong in relation to previous years. There are no unusual problems at this time.

Dr. Nyikos referred the Board to memorandum dated February 2, 1983 from Dr. Chevront, Registrar, regarding spring 1982-83 enrollment statistics. He highlighted some of the statistics, and he and Dr. Chevront answered questions.

Report on Library Master Plan. Mr. Hart Phinney, Director of the CSM Library, reported to the Board that Mary Larsgaard of the Library has been selected for inclusion in the 1982 edition of "Outstanding Young Women of America." She was chosen by the OYWA Board of Advisors for distinguishing herself in her home, profession and community. She will be featured in the annual awards volume and will be considered for one of the 51 state awards.

Mr. Phinney introduced Mrs. Patricia Breivik, Director of the Auraria Libraries and representative of the Master Plan Committee, who made a presentation to the Board on the Colorado Academic Library Master Plan. She discussed the history of the Colorado Academic Library Master Plan and the recommendations made by the Committee which formulated it. She also discussed the Public Access Catalog (PAC) and the Colorado Alliance of Research Libraries (CARL), which is a voluntary alliance composed of the University of Colorado at Boulder, Colorado State University, the University of Northern Colorado, the Colorado School of Mines, the Auraria Library, the University of Denver, and the Denver Public Library.

Mrs. Breivik said that there will be a meeting on October 6-7, 1983--a Colorado Response to the Information Society: The Changing Academic Library. Invitations have been sent to all directors of the libraries and to the vice presidents for academic affairs.

Mrs. Breivik and Mr. Phinney answered questions, and Mr. Phinney responded to questions concerning security at the CSM Library, loss of materials from the library, etc. He explained that Mines does have a security system which has helped to cut the loss of materials.

Mr. Rosenzweig commented that the expansion of library hours has helped the students considerably.

In response to Mr. Wilson's question concerning the progress of the Boettcher collection, Mr. Phinney indicated that there is a balance of \$400,000 remaining in the fund, and he is in the process of preparing a report for the administration outlining a plan for spending the \$400,000.

Retirements and Recommendations for Emeritus Status. President McBride referred the Board to a memorandum dated January 27, 1983 from Dr. Mueller concerning the retirements of Prof. Charles O. Frush, Associate Professor of Mining Engineering, Prof.

February 11, 1983

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Charles H. Reyman
Adjunct Assistant Professor of
Humanities and Social Sciences \$2,500 for the spring semester of
the 1982-83 academic year

Linden E. Snyder
Adjunct Assistant Professor of
Basic Engineering \$1,800 for the spring semester of
the 1982-83 academic year

Reappointments

Henry A. Babcock
Adjunct Professor of Basic Engineering \$3,000 for the spring semester of
the 1982-83 academic year

Roy A. Swanson
Instructor in Physics \$9,000 for the spring semester of
the 1982-83 academic year

Change in Status

Randall E. Stross
Assistant Professor of Humanities and
Social Sciences

Thomas M. Zamis
Assistant Professor of Chemistry
and Geochemistry

Both Dr. Stross and Dr. Zamis were under contract as Instructor with the understanding that they would be advanced to Assistant Professor upon conferral of the doctoral degree. Dr. Stross received his Ph.D. from Stanford University, and Dr. Zamis received his Ph.D. from the University of Nebraska.

Change in Appointment

James W. Crafton
Associate Professor of Petroleum
Engineering At the annual rate of \$33,220 for
the spring semester of the 1982-83
academic year

Salary Supplements

James W. Crafton
Associate Professor of Petroleum
Engineering \$5,000 for the spring semester of
the 1982-83 academic year

Donald G. Davis
Adjunct Associate Professor of
Petroleum Engineering \$5,000 for the spring semester of
the 1982-83 academic year

Hossein Kazemi
Adjunct Associate Professor of
Petroleum Engineering \$2,400 for the spring semester of
the 1982-83 academic year

Dr. Mueller referred to his memorandum dated February 3, 1983 concerning the request of Dr. R. G. Underwood of the Department of Mathematics for academic leave for the calendar year 1984. Dr. Mueller recommended that Dr. Underwood's request be granted at half-salary for the 1984 calendar year.

It was moved, seconded and passed to approve the request for academic leave.

February 11, 1983

RECORD OF PROCEEDINGS

Golden, Colorado
February 11, 1983

The Board of Trustees met in regular session on February 11, 1983, at 9:00 a.m. in the Onyx Room of the Brown Palace Hotel, Denver.

Trustees present: Messrs. Coors, Henderson, Pascoe, Rosenzweig, Schwartzberg, Wilson and Wood.

Absent: Mr. Warren.

Mr. Wilson presided.

Also attending the meeting were President McBride, Vice Presidents Mueller, Nyikos, Robbins, Scott and Welles, Dean Golden and other staff members, visitors, and a representative of the press.

Previous Minutes. Mr. Rosenzweig asked that the minutes of the meeting held on January 14, 1983, in the paragraph concerning UAA book sales on page 2, reflect the following statement: It is noted that had these books been purchased new at bookstore prices the additional cost to the purchasers would have been about \$3,300.00. Otherwise, the minutes were approved as distributed.

Faculty Appointments. Dr. Mueller reviewed the new appointments to the faculty as follows.

Jean L. Bell Adjunct Assistant Professor of Mathematics	\$4,500 for the spring semester of the 1982-83 academic year
Joseph D. Cooper Part-time Instructor in Mining Engineering	\$5,000 for the spring semester of the 1982-83 academic year
Gerald Rosenblatt Instructor in Physics	\$9,500 for the spring semester of the 1982-83 academic year

Continuation of Appointments

Philip R. Calhoun Adjunct Associate Professor of Basic Engineering	\$3,600 for the spring semester of the 1982-83 academic year
Donald G. Davis Adjunct Associate Professor of Petroleum Engineering	\$6,000 for the spring semester of the 1982-83 academic year
Robert Gesumaria Adjunct Associate Professor of Basic Engineering	\$3,600 for the spring semester of the 1982-83 academic year
Hossein Kazemi Adjunct Associate Professor of Petroleum Engineering	\$3,100 for the spring semester of the 1982-83 academic year
Robert D. Mager Adjunct Assistant Professor of Geophysics	\$3,500 for the spring semester of the 1982-83 academic year

January 14, 1983

Secretary

The meeting was adjourned at 11:08 a.m., and the Board went into executive session.

RECORD OF PROCEEDINGS

RECORD OF PROCEEDINGS

3

Commission on Higher Education, and providing for the continuation thereof; and House Bill No. 1204, concerning the facilitation of the transfer of students among institutions of higher education in Colorado.

Resubmission of 1983-84 Budget. President McBride emphasized that this resubmission is for FY 1983-84. He said that within the last three weeks we have been asked by the JBC by letter to submit a 0% general fund increase budget for 1983-84 including all scheduled classified salary increases. The two questions which must be answered are: how do we satisfy that request and, what groundwork needs to be laid for discussion with Jeffco delegation at the luncheon meeting today.

Dr. Kerschner of the CCHE has proposed, and has general preliminary assent from higher education institutions, to send to the JBC a single letter in response to its individual requests for alternative budget packages from the higher education institutions. President McBride called the Board's attention to the draft of this proposed letter and asked if the Board is willing to assent to participation in the response. He recommended in the affirmative, believing that it would be counterproductive if the Board chose to respond in a way which would take away from the common reply. He cautioned that the JBC may not consider it an adequate response. The same request has been sent to all state agencies.

With regard to a second aspect of the Board's reply to the JBC, President McBride called attention to a draft of possible adjustments to the 1983-84 budget, prepared by Mr. Scott. He stated that two unavoidable expense increases are in utilities cost and 6.8% (average) classified salary increase. The 6.8% is the rumored result of the salary survey; the estimated impact on CSM is 10% compensation increase. This estimate is based on previous experience in which the state-wide salary figures translate to higher costs at CSM. This set of numbers was termed unsatisfactory by the President, since it provides no increase in faculty salaries. The only legal way that we can avoid that problem in part is to lay off classified personnel and use that money (if it is there) to give faculty a salary increase.

Mr. Pascoe spoke to the classified salary problem by saying that he believes the amount of the increase will be at the 6.8% level as rumored, and further that if this is pursued in the Executive Branch there will be substantial layoffs. We, the State, have to decide whether we will opt for layoffs or for smaller salary increases. If the Legislature changes the law with regard to the salary survey, the average increase will doubtless be less and layoffs may well be avoided. Mr. Pascoe said that he is very reluctant to propose any higher tuition than is embodied in the current request budget.

It was the consensus of the Board that Mines participate in the letter being submitted to the JBC.

Mr. Pascoe feels that the BOT ought to operate on the expectation that the Salary Act will not be enforced in its full sense this coming budget year, that there will be some palliation of the Salary Act, and that we ought to budget on that assumption.

There was a clear expression of unwillingness on the part of the Board to do less for the faculty generally speaking than for the classified staff. The Board is not willing to accept the dictates of an unmodified Salary Act.

The Board expressed its willingness to consider budget alternatives calling for tuition increases even though there is no increase in the general fund, but expressed a strong preference that such increases in tuition levels not exceed those in the 1983-84 budget request.

January 14, 1983

RECORD OF PROCEEDINGS

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3300

Dr. Golden reviewed the Exploration Research Laboratory (ERL) situation. The \$500,000 pledge for 1982 has been received, and an additional \$400,000 was received for the operation of ERL for the coming year. Dr. Golden is to come back to the Board in February to discuss strategy and plans for the future operation of ERL.

Admissions and Enrollment. Dr. Chevront reviewed the Spring 1982-83 Enrollment Statistics and stated that final figures will not be available until January 21, the final day for registration.

Dr. Nyikos explained that the registration of graduate and outreach students explains some of the tuition shortfall. He is pleased with the minority enrollment.

Mr. Young discussed the enrollment report and stated that an attempt is being made to increase spring enrollment in order to reduce the recruiting burden in the fall. He discussed a new program to encourage students to follow through on their stated desire to enroll.

Extensive discussion ensued.

Update on UAA and SPS Book Sales. Mr. Rosenzweig reviewed reports on book sales by the Society of Physics Students (SPS) and the Undergraduate Alumni Association (UAA). The SPS report reflects a sale of 900 volumes at a savings to students of \$2355.60 and a profit of \$1500.00. The UAA showed a profit of \$133.50 on the sale of used books only. The Board will receive for approval a 1983-84 operational plan in the near future.

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In response to questions concerning the profits: the UAA profits will go back to the Alumni Association or into a fund for new book purchases. The SPS is thinking about buying a new terminal which would provide access to the main computer.

Trustee-Student Campus Forum. Mr. Rosenzweig asked whether or not the Trustees would be interested in having a forum similar to the one held last year. He suggested that each Trustee present speak on one facet of the Master Plan and answer questions. He suggested that the Trustees select a date for the forum.

It was the consensus of the Board to have the Trustee-Student forum on Tuesday, March 15, 1983, at 4:00 p.m.

Mr. Lyle L. Ellickson's Request for Modification of Covenants. Mr. Scott reported that the City of Golden does not have a housing code which empowers it to evaluate the structures now owned by Mr. Ellickson. The City cited covenants parallel to those of the School which provide for removal of one-half of the structures by July 1, 1982 and the other half by July 1, 1983. The City could take the matter to the City Council if necessary. Mr. Scott stated that no attempt on our part has been made to inspect the facilities.

Mr. Scott gave a brief summary of our present position, and stated that Mr. Ellickson requests that all structures be removed by July 1985; he is technically in default.

Discussion ensued, during which the Board agreed that the matter should be deferred to the administration for resolution, beginning with a request for Mr. Ellickson to come back with something that the Board can live with concerning both removal and the safety concerns expressed by the Board.

Legislative Update. Mr. Welles reviewed the bills which affect higher education as follows: Senate Bill No. 01, concerning the establishment of the Colorado Advanced Technology Institute; Senate Bill No. 16, concerning capital development for the State of Colorado; House Bill No. 1031, concerning the extension of the termination date of the Colorado Commission on Higher Education; House Bill No. 1069, concerning the Colorado

sent to the publisher would have been about 3300.

CS see p 2

PRELIMINARY
NOT APPROVED

RECORD OF PROCEEDINGS

Golden, Colorado
January 14, 1983

The Board of Trustees met in regular session on January 14, 1983, at 9:00 a.m. in the Board Room of Holme Roberts & Owen, Denver.

Trustees present: Messrs. Coors, Henderson, Pascoe, Rosenzweig, Schwartzberg, Wilson and Wood.

Absent Mr. Warren.

Mr. Wilson presided.

Also attending the meeting were President McBride, Vice Presidents Mueller, Nyikos, Robbins, Scott and Welles, Dean Golden and other staff members, visitors, and a representative of the press.

Mr. Wilson stated that Mr. Warren had sent his regrets concerning his inability to attend the meeting.

Previous Minutes. The minutes of the meeting held on December 10, 1982 were approved as distributed.

Faculty Appointments. Dr. Mueller reviewed his report to the Board, dated January 14, 1983, pointing out that the most significant appointment is Dr. Phillip R. Romig to be Head of the Geophysics Department effective August 22, 1983.

Salary supplement:

Michael C. Jones
Chemical and Petroleum-Refining
Engineering Department

\$6,000 as Marathon Oil Company
Associate Professor of Chemical and
Petroleum-Refining Engineering in
equal payments September 1982 to
August 1983

Leave of absence:

William A. Schneider
Professor of Geophysics

On leave without pay for the 1983-84
academic year

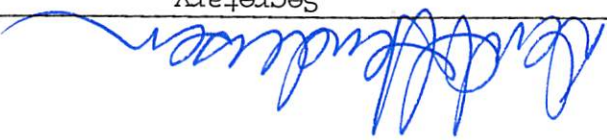
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Mr. Scott discussed the Analysis of CSM Funds Available, dated January 14, 1983, which had been distributed to the Trustees.

Mr. Pascoe entered the meeting at this time.

January 14, 1983

Secretary



The meeting was adjourned at 11:08 a.m., and the Board went into executive session.

RECORD OF PROCEEDINGS

RECORD OF PROCEEDINGS

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January 14, 1983

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Salary supplement:

Michael C. Jones Chemical and Petroleum-Refining Engineering Department	\$6,000 as Marathon Oil Company Associate Professor of Chemical and Petroleum-Refining Engineering in equal payments September 1982 to August 1983
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Leave of absence:

William A. Schneider Professor of Geophysics	On leave without pay for the 1983-84 academic year
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Mr. Scott discussed the Analysis of CSM Funds Available, dated January 14, 1983, which had been distributed to the Trustees.

Mr. Pascoe entered the meeting at this time.

2. Non-Students - Non-Students who violate this policy shall be subject to revocation of permission to be on the Colorado School of Mines campus, as well as possible arrest and prosecution.

IV. Picketing and/or Demonstrations

Picketing and/or demonstrations will be permitted subject to the conditions set forth under III-A-1 of this policy.

i. SCAC Vending Policy Explanations

- a. No limit has been set on the number of sales. If SCAC approves each sales group, then the committee does not need to put a limit on how many sales will occur. Only the groups with products of merit to the campus will be allowed to conduct sales, therefore all sales will be beneficial to the students and a limit is not necessary.
- b. The approval clause will ensure the fact that quality merchandise, useful to the consumer is sold. A limit would imply that the first sales groups to apply would fill the scheduled sales quota and wouldn't need to be approved. Not setting a limit also ensures SCAC full knowledge of all sales scheduled since all sales must be approved.
- c. Vending groups exempt from sales approval include: ring sales, E-Day sales, Homecoming sales, and other groups who have been approved.

D. Licenses, Permits, Taxes and Penalties

Any person or group contemplating sale of literature is urged to consult the City Clerk, Municipal Building, to learn before any sales are made of any City ordinances which might apply.

E. Appeal

Any person seeking permission to take any action under the terms of this policy who is denied such permission by the appropriate officer or board is entitled to a hearing before a Hearing Officer who shall be designated by the Dean of Students. Any person seeking such a hearing shall request the same within ten working days of the date on which they learn of the denial. The Hearing Officer shall hold a hearing within ten working days of receiving the request. Within three working days of the date set for the hearing, the Officer or policy-making board whose decision is being challenged shall present the person seeking review with an explanation of the action taken. The person requesting the hearing and the Staff Officer or policy-making board whose decision is being questioned shall be entitled to appear at the hearing and present their evidence. The Hearing Officer shall issue a decision within five working days of the hearing.

The decision of the Hearing Officer may be appealed to the Dean of Students or his designee (who shall not be the original Hearing Officer) by filing a written notice of appeal within ten working days of the decision. The Dean of Students or his designee shall decide the appeal on the record presented within ten working days of the receipt of the notice of appeal.

F. Sanctions

1. Students - Students violating this policy shall be subject to appropriate discipline as set forth in the Colorado School of Mines Student Code of Conduct.

B. Advertising

1. Distribution of written matter which is predominantly advertising or commercial in nature (handbills, etc.) is not permitted on campus inside or outside any building except:

Groups eligible for use of School facilities may post notices on approved bulletin boards on campus when such notices relate to programs sponsored by such groups. No posting of commercial advertising shall be permitted for persons, groups, firms, etc., not eligible for use of School facilities under the auspices of an eligible group unless the eligible group is sponsoring a program on campus.

2. Agencies or individuals advertising off campus services should refer to the policy on the distribution of non-commercial literature.

C. Commercial Solicitation

1. All soliciting and vending within the building and grounds of the Student Center must be approved by SCAC and by the Director of Auxiliary Services.
 - a. The people running the sale must present samples of their wares in person at an SCAC meeting three or more weeks prior to the time of the proposed sale.
 - i. SCAC has the right to waive this requirement for soliciting and vending groups that SCAC has previously done business with.
 - b. SCAC and the Director of Auxiliary Services must approve or disapprove the sale two or more weeks prior to the time of the sale. SCAC and the Director of Auxiliary Services will review commercial solicitations to insure that they are not misleading and that they do not concern an unlawful activity.
 - c. SCAC has the right to charge a fee for using the Student Center. This fee will be 10% of all sales with a \$50.00 minimum.
 - d. SCAC and the Director of Auxiliary Services have the right to refuse any solicitation or vending taking place that does not meet with the educational purpose and goals of such school services as seen by SCAC and the Director of Auxiliary Services.
2. All soliciting and vending groups which meet with the approval of SCAC and the Auxiliary Services Director must sign a contract which states they will follow the rules and regulations applying to soliciting and vending as set up by SCAC.
 - a. The contract will be administered by the Director of Auxiliary Services, and the Housing Office.
 - b. The contract must be signed by the Vice President for Business Affairs or the President of the University.

A. Distribution of Literature

1. Distribution of literature, solicitation and the sale of literature, newspapers and magazines by individuals handling the material outside buildings, enclosed areas, etc. IS PERMITTED provided that distribution does not materially or substantially disrupt or interfere with the normal activities of a particular place or building, and unrestricted ingress and egress to and from buildings and unencumbered use of sidewalks and streets is maintained.

For purposes of this policy, conduct which physically interferes with or threatens imminent physical interference with the normal activities of a particular place or building, or which creates any noise or diversion which disturbs or tends to disturb the peace and good order of any class or other teaching activity at the Colorado School of Mines shall be deemed to be conduct which materially or substantially disrupts or interferes with the normal activities of a particular place or building.

2. Distribution of literature may not be made by individuals handling such material inside any building or enclosed or special purpose area such as the stadium, but literature may be distributed and literature, newspapers and magazines may be sold from racks and tables inside the Student Center and inside the first floor of the Green Center, except during graduation, but from no other building.
3. The publisher, editor, author or distributor of any literature distributed on campus must be adequately identified on the material distributed.
4. Posters will be permitted on Colorado School of Mines campus only on designated bulletin boards. The location of designated bulletin boards may be obtained from the Staff Officer in charge of or from the appropriate policy-making board of each building.
5. Outdated posters must be removed from designated areas when the event advertised has past. In no case may a poster remain for more than 60 days.
6. Primary distribution will be at the Fireside Lounge in the Student Center for material intended primarily for students.
7. Distribution may take place only during the Student Center's or the Green Center's normal operating hours. These hours may be obtained from the Staff Officer in charge of or from the appropriate policy-making board of each building.
8. Posting of notices on approved bulletin boards is permissible in the Residence Halls. Distribution of literature is not permitted in the Residence Halls nor may literature be distributed or sold from racks and tables in the Residence Halls.

POLICY OF COLORADO SCHOOL OF MINES
FOR DISTRIBUTION OF LITERATURE

I. General

The facilities of Colorado School of Mines are primarily for use by its students, faculty and staff for activities and programs that are directly related to the basic educational functions of teaching, research and preparation of scholarly material.

School facilities may not be used in ways which would substantially disrupt or materially interfere with the School's own teaching, research, administrative and service activities.

The use of School facilities shall be provided on a non-discriminatory basis that ensures equal opportunity for all persons of the Mines community.

II. Protection of Free Speech

Recognizing the unique responsibility of academia for encouraging the free exchange of ideas the School shall insure that all persons and ideas however controversial shall have the opportunity to be heard. Where the potential for disruption is believed to exist the Dean of Students or the officer responsible for a particular facility should be advised as quickly as possible of the potentiality. Said officer will then make the necessary contact with protective services.

The authorizing authority (the Staff Officer or the appropriate policy-making board of each facility), for the use of school facilities, may require that insurance and/or a bond or security personnel be furnished which is adequate for the protection of those who may attend such events and for the protection of the School facilities involved. Requirement for insurance and/or a bond or security personnel and amount thereof will be determined by the likelihood of a disturbance, the potential for property or personal injury and/or whether extraordinary security will be required. This requirement will be undertaken by the School if indigency is adequately demonstrated.

III. Distribution of Literature, Sale of Newspapers and Magazines, Advertising and Solicitation

For the purpose of this policy, literature is defined as written matter, photos and/or art work which is not predominately advertising or commercial in nature. Matter is commercial in nature when it does no more than propose a commercial transaction.

For the purpose of this policy, solicitation is defined as an approach to a particular individual, requesting that individual to accept or purchase a given item.

COLORADO SCHOOL OF MINES

INTER-DEPARTMENT COMMUNICATION

TO Board of Trustees
President's Staff
Student Affairs Staff

FROM Vice President for Student Affairs

SUBJECT Distribution of Literature
Policy Statement

AGENDA ITEM 3-f

DATE November 29, 1983

The attached policy statement will be recommended for adoption to the Board of Trustees at the December meeting.

After December 9, 1983, copies of this policy should be disseminated throughout the campus. I believe that the Vice Presidents should take responsibility for coverage of their respective sectors; the policy statement will be published in the Oredigger next semester.

Please let me know if you have questions.



Michael S. Nyikos

MSN:b1

STATE OF COLORADO
COUNTY OF JEFFERSON

)
) ss.
)

I, the undersigned, Secretary of the Board of Trustees of Colorado School of Mines, do hereby certify that the above and foregoing constitute a true and correct copy of the Resolution, and of the minutes pertaining thereto, adopted by the Board of Trustees of Colorado School of Mines, on the 9th day of December, 1983, pertaining to the issuance of bonds designated Colorado School of Mines Housing System Revenue Bonds, Series A through E, in the amounts of \$70,000, \$123,000, \$892,000, \$491,000, and \$5,000,000, respectively, which Resolution is duly of record in the minutes of the Board of Trustees of Colorado School of Mines.

EXECUTED UNDER MY HAND and seal of the Board of Trustees of Colorado School of Mines, this 9th day of December, 1983.


Secretary

(S E A L)

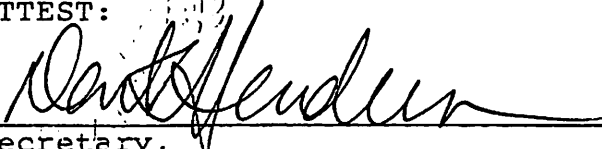
Section 29. That the officers of the College are hereby authorized, empowered and directed to make or amend any rules and regulations and to take any action necessary to carry into effect and to enforce the provisions of this Resolution.


Section 30. That if any one or more sections or parts of this Resolution shall be adjudged unenforceable or invalid, such judgment shall not affect, impair, or invalidate the remaining provisions of this Resolution, it being the intention that the various provisions hereof are severable.

ADOPTED AND APPROVED this 9th day of December, 1983.

(S E A L)

ATTEST:


Secretary,
Board of Trustees of
Colorado School of Mines


President,
Board of Trustees of
Colorado School of Mines

D. Notwithstanding anything in the foregoing provisions contained, the terms and the provisions of this Resolution, or of any resolution or other instrument amendatory thereof and the rights and the obligations of the College and of the holders of the Bonds may be modified or amended in any respect upon the adoption by the College and upon the filing with the Secretary of an instrument to that effect and with the consent of the holders of all the Bonds then outstanding, such consent to be given in the manner provided in Section 25C hereof; and no notice of holders of Bonds, either by mailing or by publication, shall be required, nor shall the time of consent be limited except as may be provided in such consent.

Section 27. That the American Municipal Bond Assurance Corporation ("AMBAC") shall be deemed to be the holder of the Bonds insured by AMBAC: (i) at all times for the purpose of giving any approval or consent to the execution and delivery of a Supplemental Resolution which under this Resolution requires the written approval or consent of the holders of not less than sixty-six percent (66%) in aggregate principal amount of the Bonds at the time outstanding and (ii) following an Event of Default for all other purposes.

Section 28. That the Board agrees that it will make no use of the proceeds of the Bonds which might cause such obligations to be arbitrage bonds within the meaning of Section 103(c) of the Internal Revenue Code of 1954 as amended, or the regulations in effect thereunder.

approve the adoption of such resolution or other instrument, thereupon, but not otherwise, the Board may adopt such amendatory resolution or instrument authorized by Section 25B and such resolution or instrument shall become effective. If the holders of at least sixty-six percent (66%) in aggregate principal amount of the Bonds then outstanding, at the time of the adoption of such amendatory resolution or instrument, or the predecessors in title of such holders, shall have consented to or shall have revoked any consent as herein provided, then no holder shall have any right or interest to object to the adoption of such amendatory resolution or other instrument or to object to any of the terms or provisions therein contained or to the operation thereof or to enjoin or restrain the College from taking any action pursuant to the provisions thereof. Any consent given by the holder of a Bond pursuant to the provisions hereof shall be irrevocable for a period of six (6) months from the date of the completion of the notice above provided for and shall be conclusive and binding upon all future holders of the same Bond during such period. Such consent may be revoked at any time after six (6) months from the completion of such notice, by the holder who gave such consent or by a successor in title, by filing notice of such revocation with the Secretary, but such revocation shall not be effective if the holders of sixty-six percent (66%) in aggregate principal amount of the Bonds outstanding as herein provided, prior to the attempted revocation, shall have consented to and approved the amendatory instrument referred to in such revocation.

(6) Any modifications otherwise materially and prejudicially affecting the rights or privileges of the holders of less than all of the Bonds then outstanding.

Whenever the Board proposes to amend or modify this Resolution under the provisions of this section, it shall give notice of the proposed amendment by publication at least one (1) time by one (1) publication, in The Bond Buyer, New York, New York, if then in business and publishing (and if not, then in a similar financial newspaper or journal published in New York, New York, as determined by the Board), such notice to be deemed complete upon the last such publication; and copies of such notice shall be mailed within thirty (30) days after such last publication to the registered owner or assigns as recorded on the books maintained by the Registrar. Such notice shall briefly set forth the nature of the proposed amendment and shall state that a copy of the proposed amendatory resolution or other instrument is on file in the office of the Secretary of the Board of Trustees of the College for public inspection.

C. Whenever at any time within one year from the date of the completion of the notice required to be given by Section 25B hereof, there shall be filed in the office of the Secretary an instrument or instruments executed by the holders of at least sixty-six percent (66%) in aggregate principal amount of the Bonds then outstanding which instrument or instruments shall refer to the proposed amendatory resolution or other instrument described in such notice and shall specifically consent to and

the written consent of the holders of at least sixty-six percent (66%) in aggregate principal amount of the Bonds outstanding at the time of the adoption of such amendatory resolution or other instrument, including any outstanding refunding securities as may be issued for the purpose of refunding any of the Bonds, provided that no such amendatory or modifying instrument shall permit:

(1) A change in the maturity or in the terms of redemption of the principal of any outstanding Bond or any installment of interest thereon; or

(2) A reduction in the principal amount of any Bond, the rate of interest thereon, or any prior redemption premium payable in connection therewith, without the consent of the holder of the Bond; or

(3) The creation of a lien upon or a pledge of the Net Revenues ranking prior to the lien or to the pledge created by this Resolution; or

(4) A reduction of the principal amount or percentage of Bonds, or any modification otherwise affecting the description of Bonds, or otherwise changing the consent of the holders of Bonds, which may be required herein for any amendment hereto; or

(5) The establishment of priorities as between Bonds issued and outstanding under the provisions of this Resolution; or

the Bonds, or the holder or holders of not less than ten percent (10%) in principal amount of the Bonds then outstanding, after demand in writing, may proceed to protect and to enforce the rights of the holders of the Bonds as hereinabove provided. Nothing herein requires the College to proceed as provided herein if it determines in good faith and without any abuse of its discretion that such action is likely to affect materially and prejudicially the holders of the Bonds and any parity obligations.

Section 26.

A. The College may, without the consent of, or notice to the holders of the Bonds, adopt such resolutions supplemental hereto (which amendments shall thereafter form a part hereof) for any one or more or all of the following purposes:

(1) To cure any ambiguity or to cure, correct, or supplement any defect or inconsistent provision contained in this Resolution, or to make any provision with respect to matters arising under this Resolution or for any other purpose if such provisions are necessary or desirable and do not adversely affect the interests of the holders of the Bonds; or

(2) To subject to this Resolution additional revenues, properties, or collateral.

B. This Resolution may be amended or modified by resolutions or other instruments duly adopted by the Board, without receipt by it of any additional consideration, but with

liability for failure to perform or carry out any duty, obligation, or other commitment. Each right or privilege of any such holder (or trustee) is in addition and is cumulative to any other right or privilege, and the exercise of any right or privilege by or on behalf of any holder shall not be deemed a waiver of any other right or privilege thereof. Each holder of any Bond shall be entitled to all of the privileges, rights, and remedies provided or permitted in this Resolution and as otherwise provided or permitted by law or in equity or by other statutes.

D. Upon the happening of any of the Events of Default as provided in Section 24A hereof, the College, in addition, will do and perform all proper acts on behalf of and for the holders of the outstanding Bonds to protect and to preserve the security created for the payment of their Bonds and to insure the payment of the principal and interest requirements promptly as the same become due. During any period of default, so long as any of the Bonds are outstanding, except to the extent it may be unlawful to do so, all Net Revenues shall be paid into the Sinking Fund Account or, in the event parity obligations are issued during such period of time, such revenues shall be paid into the Sinking Fund Account for all parity obligations, including the Bonds on an equitable and prorated basis, and used for the purposes therein provided. If the College fails or refuses to proceed as in this section provided, the United States of America during the time it is the Registered Owner of any of

the Bonds then outstanding, including a trustee or trustees therefor, may proceed against the College and its agents, officers, and employees to protect and to enforce the rights of any holder of Bonds under this Resolution by mandamus or by other suit, action, or special proceedings in equity or at law, in any court of competent jurisdiction, either for the appointment of a receiver or an operating trustee or for the specific performance of any covenant or agreement contained herein or for any proper legal or equitable remedy as such holder or holders may deem most effectual to protect and to enforce the rights aforesaid, or thereby to enjoin any act or thing which may be unlawful or in violation of any right of any holder of any Bond, or to require the College to act as if it were the trustee of an expressed trust, or any combination of such remedies, or as otherwise may be authorized by any statute or other provision of law. All such proceedings at law or in equity shall be instituted, had, and maintained for the benefit of all holders of the Bonds. Any receiver or operating trustee appointed in any proceedings to protect the rights of such holders hereunder, the consent to any such appointment being hereby expressly granted by the College, may collect, receive, and apply all Net Revenues arising after the appointment of such receiver or operating trustee in the same manner as the College itself might do.

C. The failure of any holder of any outstanding Bond to proceed in any manner herein provided shall not relieve the College or any of its officers, agents, or employees of any

continue for sixty (60) days after receipt of notice from the United States of America during the time it is the Registered Owner of any of the Bonds, or from the holders of ten percent (10%) in principal amount of the Bonds then outstanding;

(5) An order or decree is entered by a court of competent jurisdiction, with the consent or acquiescence of the College appointing a receiver for the Net Revenues and any other moneys subject to the lien to secure the payment of the Bonds, or if any order or decree, having been entered without the consent or acquiescence of the College, is not vacated, discharged, or stayed on appeal within sixty (60) days after entry;

(6) The College makes any default in the due and punctual performance of any other of the representations, covenants, conditions, agreements, and other provisions contained in the Bonds or in this Resolution on its part to be performed, and if such default continues for sixty (60) days after written notice, specifying such default and requiring the same to be remedied, is given to the College by the United States of America during the time it is the Registered Owner of any of the Bonds, or by the holders of ten percent (10%) in principal amount of the Bonds then outstanding.

B. Upon the happening and continuance of any of the Events of Default, as provided in Section 24A hereof, then and in every case, the United States of America during the time it is the Registered Owner of any of the Bonds, or the holder or holders of not less than ten percent (10%) in principal amount of

maturities of the Bonds or upon any date as of which the College shall have exercised its prior redemption option by a call of Bonds for payment. The Federal Securities shall become due prior to the respective times at which the proceeds shall be needed, in accordance with a schedule established and agreed upon between the College and such bank at the time of the creation of the escrow or trust, or the Federal Securities shall be subject to redemption at the option of the holder to assure such availability as so needed to meet such schedule.

Section 25.

A. Each of the following events is hereby declared to be and to constitute an Event of Default;

(1) Payment of the principal of any of the Bonds, or any prior redemption premium due in connection therewith, or both, is not made when the same becomes due and payable, either at maturity or by proceedings for mandatory or optional prior redemption, or otherwise;

(2) Payment of any installment of interest is not made when the same becomes due and payable or within five (5) days thereafter;

(3) The College for any reason is, or is rendered, incapable of fulfilling its obligations hereunder;

(4) The College shall have failed to carry out and to perform (or in good faith to begin the performance of) all acts and things lawfully required to be carried out or to be performed by it under this Resolution, and such failure shall

certified public or registered accountant, or the State Auditor of Colorado, such audit to be based on the fiscal year of the College. Each year, within thirty (30) days after such audit is completed, a copy of each annual audit shall be mailed to the original purchaser of the Bonds and to all other bondholders who shall in writing so request. Such annual audit reports shall be open to the inspection of the bondholders and their agents and representatives at all reasonable times.

Section 23. That any moneys in the Revenue Fund, Sinking Fund Account, the Reserve Fund, and the Repair and Replacement Fund may be invested in legal investments as permitted by the laws of Colorado pertaining to investments by state institutions. All interest accruing on any such investments shall be deposited in the Revenue Fund.

Section 24. That when all of the Bonds and the interest thereon have been duly paid, the pledge and lien hereunder shall be discharged and the Bonds shall no longer be deemed to be outstanding within the meaning of this Resolution. There shall be deemed to be such payment when the College has placed in escrow or in trust with a Trust Bank which is a member of the Federal Deposit Insurance Corporation located within or without the State, moneys or Federal Securities in an amount sufficient (including the known minimum yield available for such purpose from Federal Securities in which such amount wholly or in part may be initially invested) to meet all principal and interest payments on the Bonds, as the same become due to the final

(3) The proceeds of insurance covering such property shall be used forthwith by the Board for the purpose of repairing the property damaged or replacing the property destroyed, and any insurance proceeds remaining upon the completion of such repair or replacement shall be deposited in the Sinking Fund Account.

(4) If the funds received from said insurance policies on account of any loss, together with other available funds, shall be insufficient to make the building or buildings suffering such loss tenantable or useable, then the Board shall hold said funds in the Sinking Fund Account for the benefit of holders of the Bonds and other parity obligations as their respective interests may appear.

H. It will continue to keep proper books of record and account in which full, true, and correct entries shall be made of all dealings or transactions in relation to the Housing System, and other pledged revenues, and all books, documents, and vouchers relating to the properties, business, and affairs of the Housing System and other pledged revenues, shall at all reasonable times be made available for the inspection upon written request by the United States of America during the time it is the Registered Owner of any of the Bonds, or from holders of not less than twenty-five percent (25%) of the then outstanding Bonds.

I. Each year while any of the Bonds are unpaid, an audit will be made of its books and accounts relating to the College, the Housing System, and other pledged revenues by a

indefeasible estate in such land in fee simple; that it warrants that it has and will defend the title to the Housing System and the lands pertaining thereto, and every part thereof, and improvements thereon, for the benefit of the holders and owners of the Bonds against the claims and demands of all persons whomsoever; it is lawfully qualified to pledge the Revenues of the Housing System as herein provided to the payment of the Bonds in the manner prescribed herein.

D. It will, from time to time, and before the same become delinquent, pay and discharge all taxes, assessments, and governmental charges, if any, which shall be lawfully imposed upon it, or upon the Housing System.

E. It will not do or suffer any act or thing whereby the Housing System or any part thereof, might or could be impaired, and it will at all times maintain, preserve and keep the real and tangible property of the Housing System, and every part thereof, in good condition, repair and working order, and maintain, preserve and keep all structures and equipment pertaining thereto and every part and parcel thereof in good condition, repair and working order.

F. It will establish and maintain, so long as any of the Bonds are unpaid, such fees, student center fees, and such parietal rules, rental rates, and charges for the use of the Housing System as may be necessary to assure maximum occupancy and use of the same and the services afforded thereby, and to pay the Current Expenses thereof and to provide sufficient Net

Revenues for debt service, required debt service reserve, Current Expenses, Repair and Replacement Fund, and all other payments and charges as are required under this Resolution, and that it will permit no free occupancy or use of the dormitories in the Housing System.

G. (1) The Board shall continue to maintain fire and extended coverage insurance on the Housing System in amounts at least sufficient to provide for full recovery of up to eighty percent (80%) of the full insurable value of the property insured. Such insurance shall be carried with a insurance company or companies authorized to do business with the State of Colorado, and the premiums on such insurance shall be paid as Current Expense.

The Board shall continue to maintain, so long as any of the Bonds are unpaid, Public Liability Insurance with limits of not less than \$100,000.00 for one person and \$300,000.00 for more than one person involved in one accident to protect the Board from claims for bodily injury or death which may arise from the Board's operations, including any use or occupancy of its grounds, structures, and vehicles.

(2) Upon the happening of any loss or damage covered by any such policies from one or more of the causes to which reference is made in this Section, the Board shall make proof of loss and do all things necessary or desirable to cause the insuring companies to make payment in full directly to the Board.

Net Revenue of the facility, if any, to be added to the Housing System satisfy the requirements of Section 22F.

Section 22. That the Board further covenants and agrees that:

A. It will faithfully perform at all times any and all covenants, undertakings, stipulations and provisions contained in this Resolution and in each and every Bond executed and delivered hereunder; that it will promptly pay or cause to be paid from the Revenues herein pledged, the principal of and interest on every Bond issued hereunder, on the dates and in the places and manner prescribed in such Bond; and that it will, prior to the installment date for principal, interest, or mandatory sinking fund requirements or the maturity of each such Bond, at the times and in the manner prescribed herein, deposit or cause to be deposited, from the revenues pledged, the amounts of money specified herein. All Bonds, when paid, shall be canceled by the Paying Agent and shall be delivered to or upon the order of the Board.

B. It is duly authorized under the laws of the State of Colorado to create and issue the Bonds; that all action on its part for the creation and issuance of the Bonds has been duly and effectively taken; and that the Bonds in the hands of the holders and owners thereof are and will be valid and enforceable special obligations of the Board in accordance with their terms.

C. It lawfully owns and is lawfully possessed of the land upon which the Project is constructed, and has a good and

Section 21. That the Board agrees that so long as any revenue bonds are outstanding against the Housing System, it will not sell or otherwise dispose of (except as herein provided) any of the Housing System facilities or any part thereof, and, except as provided for herein, it will not create or permit to be created any charge or lien on the Net Revenues thereof ranking equal or prior to the charge or lien of these Bonds. The Board may at any time permanently abandon the use of, or sell at fair market value, any of its Housing System facilities, provided that:

(1) It is in full compliance with all covenants and undertakings in connection with all of its Bonds payable from the Net Revenues;

(2) It will, in the event of sale, apply the proceeds to either (a) redemption of the Bonds in the manner determined by the Board in accordance with the provisions governing repayment of such Bonds in advance of maturity, or (b) replacement of the facility so disposed of by another facility which shall be incorporated into the Housing System;

(3) It certifies, prior to any abandonment of use, that the facility to be abandoned is no longer economically feasible of producing net revenue; and

(4) It certifies that the estimated Net Revenues of the remaining Housing System for the then succeeding fiscal year (and any other revenues pledged as security) plus the estimated

the Net Revenues of the Housing System and on the additional bonds proposed to be issued. Computation of the future Net Revenues of the then existing Housing System, together with the facilities to be financed with the proceeds of the additional parity bonds, shall be based on actual net income for the fiscal year next preceding the issuance of such additional parity bonds, as may be adjusted, to reflect the schedule of rates and charges in effect or to become effective when the additional facilities become revenue-producing, and after giving recognition to anticipated changes in current expenses of the Housing System. The computation of estimates shall be made by the Chief Financial Officer of the Board and be approved by the College president and the governing body.

Nothing in this Resolution shall be construed so as to permit the issuance of additional bonds or other obligations, payable from the Net Revenues of the Housing System and having a lien on such revenues superior to the lien of the Bonds on said revenues; nothing herein shall prevent the College from issuing additional bonds or other obligations payable from such Net Revenues and having a lien thereon junior and inferior to the lien thereon of the Bonds.

Non-amortized bonds or warrants, i.e., bonds maturing in one principal payment date or subject to mandatory sinking fund requirements varying by more than 20% of the principal and interest requirements for the preceding fiscal year, shall have a junior and inferior lien on the Net Revenues.

other obligations, if any, and payable from the Net Revenues;
and

(3) The annual Net Revenues for the fiscal year next preceding the issuance of additional parity bonds are certified by an independent (certified or licensed) public accountant employed by the Board or State Auditor to have been equal to at least one and twenty-five hundredths (1.25) times the combined average annual requirements for principal and interest on all Bonds and other bonds or obligations then outstanding, if any, payable on a parity with the Bonds from the Net Revenues; and

(4) The annual Net Revenues for the fiscal year next preceding the issuance of additional parity bonds are certified by an independent (certified or licensed) public accountant employed by the Board or State Auditor to have been equal to at least seventy-five hundredths (.75) times the combined average annual requirements for principal and interest on all Bonds and other bonds or obligations then outstanding, and on the additional bonds proposed to be issued payable on a parity with the Bonds from the Net Revenues; and

(5) The estimated pledged Net Revenues of the facility or facilities to be constructed or financed with the proceeds of such additional bonds when added to the estimated annual Net Revenues of the Housing System including facilities under construction shall equal at least one and twenty-five hundredths (1.25) times the combined average annual debt service requirements for principal and interest on all bonds payable from

at the close of each fiscal year (a) to redeem the Series E Bonds or Outstanding Bonds on the next interest payment date, in inverse order of installment due dates or maturity, and in amounts of not less than \$1,000 par value for the Series A through D Bonds, and \$5,000 par value for the Series E Bonds, or (b) for any expenditures, including the payment of debt service or subordinate bonds or obligations, in improving or restoring any existing housing and dining facilities or providing any such additional facilities, or (c) for any other lawful purpose of the Housing System.

Section 20. That the Board may issue one or more series of additional parity bonds to finance the construction of additional housing, dining, Student Center, or other related facilities, or for the extension and improvement of such facilities, to be secured by a parity lien on and payable from the revenues pledged to the Bonds of the College, provided that:

(1) The revenues of the facility or facilities to be built or financed from the proceeds of the additional parity bonds and other revenues added as security, if any, for the additional parity bonds, are pledged as additional security for the additional parity bonds, the Bonds, and all other outstanding bonds or obligations payable on a parity with the Bonds from Net Revenues;

(2) The Board is in full compliance with all covenants and undertakings in connection with the Bonds and

mandatory sinking fund requirements, the Board shall restore such moneys so withdrawn at the earliest possible time.

F. That the Board shall establish a separate account called the "Housing System Repair and Replacement Fund" ("Repair and Replacement Fund"), into which shall be deposited annually, by January 1 of each year, from the Revenue Fund and other available revenues, after payments required by C, D, and E have been made, moneys equal to not less than one-fifth of the combined average annual debt service requirements until there is on hand not less than an amount equal to the combined average annual debt service requirements. This provision is not intended to limit the right of the Board to deposit additional moneys in the Repair and Replacement Fund from time to time as the Board may determine. All moneys in the Repair and Replacement Fund may be drawn on and used by the Board for the purpose of paying the cost of unusual or extraordinary maintenance or repairs, renewals, and replacements, and the renovating or replacement of the furniture and equipment not paid as part of the ordinary and normal expense of Housing System operations. However, in the event the funds in the Sinking Fund Account or Reserve Fund should be reduced below their requirements, funds on deposit in the Repair and Replacement Fund shall be transferred immediately to the Sinking Fund Account or Reserve Fund to the extent required to eliminate the deficiency in such Accounts.

G. That subject to making the foregoing deposits, the Board may use the balance of excess funds in the Revenue Fund

the Housing System, a separate account called the "Housing System Bond and Interest Sinking Fund Account" ("Sinking Fund Account") into which shall be deposited from the Revenue Fund, after providing for the payment of Current Expenses, sums which shall be sufficient to pay the principal of and interest on the Bonds promptly as the same become due and payable, including mandatory sinking fund payments.

E. That the Board shall establish and maintain a common reserve for the Series E Bonds, Outstanding Bonds and other bonds and obligations payable on a parity with the Bonds from the Net Revenues of the College, known as "Housing System Debt Service Reserve Fund" ("Reserve Fund"), in an amount to be equal to the combined average annual debt service, as defined in Section 15. The Reserve Fund shall be established by February 1, 1984. In calculating average annual debt service, term Bonds maturing in any particular year shall be considered as serial maturities in accordance with the mandatory sinking fund schedule. Moneys in the Reserve Fund shall be used only to prevent deficiencies in the payment of the principal of and interest on the Bonds and other bonds or obligations payable on a parity with the Bonds from the Net Revenues resulting from a failure to deposit into the Sinking Fund Account sufficient funds to pay debt service and mandatory sinking fund requirements on the Bonds and other parity bonds or obligations. If funds shall have been withdrawn from the Reserve Fund to pay debt service or

Section 18. That the Bonds and interest thereon shall constitute special obligations of the Board, payable solely from the Net Revenues herein pledged, and such obligations shall not constitute an indebtedness of the State of Colorado or the Board within the meaning of any constitutional or statutory limitation, and the holders of the Bonds shall never have the right to demand payment out of funds raised or to be raised by taxation.

Section 19. That the Board hereby covenants and agrees as follows:

A. That it will continue to operate and maintain a Housing System as defined in Section 15 hereof. The Housing System shall continue to be operated on a fiscal year basis.

B. That all Gross Revenues arising from the operation or ownership of the Housing System shall be deposited to the credit of a special fund, to be known as the "Housing System Revenue Fund Account" ("Revenue Fund") and held in the custody of the Board, separate and apart from all other funds. The Revenue Fund shall be maintained, so long as any of the Bonds are outstanding, in a bank which is a member of the Federal Deposit Insurance Corporation and shall be expended and used by the Board only in the manner and order specified below.

C. That Current Expenses of the Housing System shall be payable, as a first charge, from the Revenue Fund as the same become due and payable.

D. That the Board shall establish with the Paying Agent and maintain so long as any Bonds are outstanding against

Housing System Revenue Bonds, Series A through D, which will be exchanged for Dormitory Refunding and Construction Bonds, Series 1957-A and 1957-B, dated January 1, 1957, Building Revenue Bonds of 1962, dated January 1, 1962, and Housing System Revenue Bonds of 1966, dated July 1, 1966.

The term "Paying Agent and Registrar" or "Paying Agent" or "Registrar", shall mean Colorado National Bank of Denver, Denver, Colorado.

The term "Project" shall mean a student dormitory to house students, known as New Residence Hall, land therefor, and additional Student Center facilities.

The term "Student Center Fee" shall mean the Student Center Fee levied against all enrolled students at the College.

Section 16. That the Board agrees that it will use the proceeds of the Series E Bonds, less issuance expenses, plus accrued interest and other available funds as may be necessary, to call in and liquidate the outstanding 1981 Warrants on June 1, 1984.

Section 17. That the principal of and interest on the Bonds shall be paid from and secured by a first lien (but not an exclusive first lien) on and pledge of the Net Revenues sufficient to meet all debt service and reserve requirements, and issued on a parity in all respects with the Series E Bonds and the Outstanding Bonds. Said lien and pledge is hereby irrevocably created and made.

depreciation, all general administrative expenses of the Board, capital improvements, and the payment into the "Housing System Repair and Replacement Fund."

The term "fiscal year" shall mean the period July 1 to June 30.

The term "Gross Revenues" shall mean all revenues in each fiscal year of the Housing System of the College including rates, fees, charges, Student Center Fees, and interest earned on all Housing System funds except interest earned on construction funds.

The term "Housing System" or "System" shall mean the Project; Bradford Hall; Randall Hall; Morgan Hall; Thomas Hall; Prospector Village; Mines Park; and the Student Center, including, but not limited to, food services facilities therein, and such additional facilities as may, at some future date, be added to the Housing System.

The term "Net Revenues" as applied to the Housing System for any fiscal year shall mean the Gross Revenues thereof and other Pledged Revenues over Current Expenses thereof during such fiscal year.

The term "Other Pledged Revenues" shall mean legally available moneys, other than Gross Revenues, deposited in the Revenue Fund and irrevocably pledged for the purposes of said Fund.

The term "Outstanding Bonds" shall mean the unpaid maturities and installments of The Colorado School of Mines,

Section 15. Definitions. That throughout this Resolution the following terms as used herein shall have the meanings set forth below, unless the text hereof specifically indicates otherwise:

The term "average annual debt service" as of any date shall mean, for each series of Bonds and other bonds or obligations payable on a parity from the Net Revenues, the aggregate of all future principal and interest to become due on the bonds of such series in all years in which principal is to mature in accordance with the scheduled maturities, or the mandatory sinking fund requirements thereof, divided by the number of such years. All term bonds payable on a parity from the Net Revenues must be subject to mandatory sinking fund payments. The term "combined average annual debt service" shall mean the aggregate of the average annual debt service for each separate series.

The term "Board" shall mean the Board of Trustees of Colorado School of Mines.

The term "Bonds" shall mean the Housing System Revenue Bonds, Series A through E, authorized hereunder. The Series E Bonds will sometimes be referred to separately.

The term "College" shall mean Colorado School of Mines, at Golden, Jefferson County, Colorado.

The term "Current Expenses" shall include all necessary operating expenses, current maintenance charges, properly allocated share of charges for insurance, and all other expenses incident to the operation of the Housing System, but shall exclude

Re: Colorado School of Mines
Housing System Revenue Bonds, Series F,
in the principal amount of \$5,000,000

Text of Opinion of Bond Counsel
(Series F Bonds)
(Insert Letterhead)

as such interest falls due, and to establish and maintain the required reserve as is more fully provided in the Resolution authorizing the Bonds; and that it will assure maximum use and occupancy of the Project and Housing System.

It is hereby certified and recited that all acts, conditions, and things required to be done precedent to and in the issuance of this Bond and the series of which it is a part have been properly done, have happened, and have been performed in regular and due time, form, and manner as required by the Constitution and the laws of the State of Colorado and the proceedings herein mentioned, that this series of Bonds does not exceed any constitutional or statutory limitation, and that provision has been made for the payment of principal of and interest on this Bond and the series of which it is a part by an irrevocable pledge of the revenues specified herein.

ASSIGNMENT

For value received, the undersigned Registered Owner, sells, assigns and transfers unto

Insert Social Security
or other identifying
number of Assignee

(Name and Address of Assignee)

the within Bond numbered _____, and does hereby irrevocably appoint Colorado National Bank of Denver, or its successor, as Registrar to transfer this Bond on the books kept for registration with full power of substitution in the premises.

Dated: _____, 19__

Registered Owner

Signature guaranteed:

Term Bond Due 2004

<u>Amount</u>	<u>Sinking Fund Payment Date</u>
\$ 95,000	January 1, 1995
115,000	January 1, 1996
135,000	January 1, 1997
155,000	January 1, 1998
165,000	January 1, 1999
185,000	January 1, 2000
205,000	January 1, 2001
245,000	January 1, 2002
310,000	January 1, 2003
345,000	January 1, 2004*

*Stated Maturity

Term Bond Due 2009

<u>Amount</u>	<u>Sinking Fund Payment Date</u>
\$375,000	January 1, 2005
435,000	January 1, 2006
495,000	January 1, 2007
545,000	January 1, 2008
600,000	January 1, 2009*

*Stated Maturity

Notice of mandatory and optional redemption shall be given by mailing a copy of the notice 30 days prior to the redemption date to the registered owners of the Bond as recorded on the books maintained by the Registrar.

This Bond may be transferred by the Registered Owner hereof, or his duly authorized attorney, at the corporate trust office of the Registrar in Denver, Colorado, upon surrender of this Bond accompanied by such executed instruments of transfer as the Registrar may require. Upon any such transfer, a new registered Bond of the same maturity and in the same aggregate principal amount will be issued to the transferee. Bonds of one denomination may also be exchanged by the registered owner hereof for registered Bonds of other authorized denominations, upon surrender of the original Bonds accompanied by such executed transfer documents as the Registrar shall require.

It is hereby declared and represented that the Board has covenanted and agreed to operate and maintain continuously the Project and Housing System and the services afforded by same; to establish and continuously maintain rental, use, occupancy, Student Center fees, and other charges sufficient to pay the reasonable operation and maintenance expenses thereof, the principal of and interest on the Bonds as each Bond matures, and

(Back of Bond)

This Bond is issued pursuant to a Resolution duly adopted by the Board for the purpose of liquidating Dormitory and Student Center Revenue Anticipation Warrants, dated June 1, 1981, the proceeds of which were used to provide funds to finance the costs of constructing and equipping the New Residence Hall, constructing Student Center improvements, purchasing land, and providing for issuance expenses (the "Project").

This Bond is secured by a first lien (but not an exclusive first lien) on and pledge of the Net Revenues (as defined in the Resolution), derived from the operation and ownership of a Housing System consisting of the Project; and Bradford Hall; Randall Hall; Morgan Hall; Thomas Hall; Prospector Village; Mines Park; and the Student Center, including, but not limited to, the food services facilities therein and the proceeds derived from a Student Center Fee levied against all enrolled students sufficient, together with other pledged revenue, to meet all debt service and reserve requirements, and issued on a parity in all respects with all Outstanding Bonds and any other Parity Bonds (as defined in the Resolution) of the College.

This Bond and the interest hereon constitute special obligations of the Board and are payable solely from Net Revenues, and do not constitute an indebtedness of the State of Colorado or the Board within the meaning of any constitutional or statutory limitation. The owner hereof shall never have the right to demand payment of this Bond or the interest hereon out of any funds raised or to be raised by taxation.

Bonds of this series maturing in the years 1995 and thereafter shall be redeemable prior to maturity at the option of the Board, on January 1, 1994, and on any interest payment date thereafter in inverse order of maturity and by lot within a maturity, upon payment of par, accrued interest, and premiums as follows:

January 1 and July 1, 1994		1% premium
January 1 and July 1, 1995	3/4 of	1% premium
January 1 and July 1, 1996	1/2 of	1% premium
January 1 and July 1, 1997	1/4 of	1% premium
January 1, 1998 and thereafter		no premium

Bonds of this series maturing on January 1, 2004 and January 1, 2009, shall also be due and payable from sinking fund installments through mandatory redemption by lot, to be conducted in a manner determined by the Board, on each January 1 on and after January 1, 1994 and January 1, 2004, respectively, at the price of par and accrued interest, without redemption premium, according to the following schedule:

(Form of Registered Bond - Front)

UNITED STATES OF AMERICA

STATE OF COLORADO

COUNTY OF JEFFERSON

COLORADO SCHOOL OF MINES
HOUSING SYSTEM REVENUE BOND, SERIES E

<u>Registered Number</u>	<u>Rate</u>	<u>Maturity</u>	<u>Date of Original Issue</u>	<u>Cusip</u>
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December 15,
1983

The Board of Trustees ("Board") of Colorado School of Mines ("School") at Golden, Colorado, pursuant to Title 23, Articles 5 and 41, C.R.S. 1973, as amended, for value received, hereby promises to pay from the funds and revenues hereinafter designated to

or registered assigns, on January 1, 19__ , unless this Bond shall have been called for prior redemption, upon surrender hereof, the principal sum of

_____ DOLLARS

and to pay to the registered owner hereof, from the fund or funds hereinafter designated, interest at the rate specified above, payable July 1, 1984 and semiannually thereafter on the first day of January and the first day of July each year. Principal and interest shall be paid at the corporate trust office of Colorado National Bank of Denver, Denver, Colorado, Paying Agent and Registrar, or its successor, in any coin or currency of the United States of America which, at the time of payment, is legal tender for the payment of public or private debts, provided interest may be paid to the holder of record on the Record Date by check drawn by the Paying Agent and mailed to the Registered Owner at his or her address as it appears on the bond registry books maintained by the Paying Agent and Registrar. The Record Date is the fifteenth day of the month next preceding the interest payment date.

Further provisions of this Bond are set forth on the reverse side hereof.

This Bond is not valid unless the Registrar's Certificate of Authentication endorsed hereon is duly executed.

IN WITNESS WHEREOF, the Board of Trustees of Colorado School of Mines has caused this Bond to be executed in its name by the facsimile signature of the President, a facsimile of the seal of

Section 14. That the Series E Bonds shall be in substantially the following form, with such additions, deletions, and modifications as the Registrar may require:

Text of Opinion of Bond Counsel
(Series A - D)

(Insert Letterhead)

Re: Colorado School of Mines
Housing System Revenue Bonds, Series A,
in the principal amount of \$70,000

Re: Colorado School of Mines
Housing System Revenue Bonds, Series B,
in the principal amount of \$123,000

Re: Colorado School of Mines
Housing System Revenue Bonds, Series C
in the principal amount of \$892,000

Re: Colorado School of Mines
Housing System Revenue Bonds, Series D
in the principal amount of \$491,000

Project and Housing System and the services afforded by same; to establish and continuously maintain rental, use, occupancy, Student Center fees, and other charges sufficient to pay the reasonable operation and maintenance expenses thereof, the principal installments on the Bonds as each installment becomes due and to pay interest on the Bonds as the same falls due, and to establish and maintain the required reserve as is more fully provided in the Resolution authorizing the Bonds; and that it will assure maximum use and occupancy of the Project and Housing System.

It is hereby certified and recited that all acts, conditions, and things required to be done precedent to and in the issuance of this Bond have been properly done, have happened, and have been performed in regular and due time, form, and manner as required by the Constitution and the laws of the State of Colorado and the proceedings herein mentioned, that this Bond does not exceed any constitutional or statutory limitation, and that provision has been made for the payment of installments of principal and the interest on this Bond by an irrevocable pledge of the revenues specified herein.

ASSIGNMENT

For value received, the undersigned Registered Owner, sells, assigns and transfers unto

Insert Social Security
or other identifying
number of Assignee

(Name and Address of Assignee)

the within Bond numbered _____, and does hereby irrevocably appoint Colorado National Bank of Denver, or its successor, as Registrar to transfer this Bond on the books kept for registration with full power of substitution in the premises.

Dated: _____, 19____

Registered Owner

Signature guaranteed:

(Back of Bond)

This Bond is issued pursuant to a Resolution duly adopted by the Board for the purpose of refunding and exchanging outstanding Revenue Bonds of the College in a like amount and is secured by a first lien (but not an exclusive first lien) on and pledge of the Net Revenues (as defined in the Resolution), derived from the operation and ownership of a Housing System consisting of the Project (as defined in the Resolution); Bradford Hall, Randall Hall; Morgan Hall; Thomas Hall; Prospector Village; Mines Park; and the Student Center, including, but not limited to, the food services facilities therein and the proceeds derived from a Student Center Fee levied against all enrolled students sufficient, together with other pledged revenue, to meet all debt service and reserve requirements, and issued on a parity in all respects with the Series E Bonds, the Outstanding Bonds, and any other Parity Bonds (as defined in the Resolution) of the College.

This Bond and the interest hereon constitute special obligations of the Board and are payable solely from Net Revenues, and do not constitute an indebtedness of the State of Colorado or the Board within the meaning of any constitutional or statutory limitation. The owner hereof shall never have the right to demand payment of this Bond or the interest hereon out of any funds raised or to be raised by taxation.

The Board shall have the right to prepay on any interest payment date the principal installments on the Series A through C Bonds due on and after January 1, 1985 and on the Series D Bonds due on and after July 1, 1984, or any portion thereof as it may determine in inverse chronological order and in multiples of One Thousand Dollars, at the principal amount thereof, plus accrued interest to the date of prepayment.

Notice of prepayment shall be given by mailing a copy of the notice 30 days prior to the redemption date to the Registered Owner of the Bond as recorded on the books maintained by the Registrar.

This Bond may be transferred by the Registered Owner hereof, or his duly authorized attorney, at the corporate trust office of the Registrar in Denver, Colorado, upon surrender of this Bond accompanied by such executed instruments of transfer as the Registrar may require. Upon any such transfer, a new registered Bond of the same unpaid installment due dates and in the same aggregate principal amount will be issued to the transferee.

It is hereby declared and represented that the Board has covenanted and agreed to operate and maintain continuously the

SERIES D INSTALLMENT PAYMENTS	
Year	Principal Payments
1995	\$55,000
1996	55,000
1997	55,000
1998	55,000
1999	60,000
2000	60,000
2001	60,000
2002	47,000
<hr/>	
Year	Principal Payments
1984	\$15,000
1985	15,000
1986	20,000
1987	20,000
1988	20,000
1989	20,000
1990	20,000
1991	20,000
1992	20,000
1993	20,000
1994	20,000
1995	25,000
1996	25,000
1997	25,000
1998	25,000
1999	25,000
2000	25,000
2001	25,000
2002	30,000
2003	30,000
2004	35,000
2005	11,000

Year	Principal Payments
1985	\$40,000
1986	40,000
1987	40,000
1988	40,000
1989	45,000
1990	45,000
1991	45,000
1992	50,000
1993	50,000
1994	50,000

SERIES C INSTALLMENT PAYMENTS

Year	Principal Payments
1985	\$ 8,000
1986	8,000
1987	8,000
1988	8,000
1989	8,000
1990	9,000
1991	9,000
1992	9,000
1993	9,000
1994	19,000
1995	20,000
1996	8,000

SERIES B INSTALLMENT PAYMENTS

Year	Principal Payments
1985	\$ 7,000
1986	7,000
1987	7,000
1988	8,000
1989	8,000
1990	8,000
1991	8,000
1992	8,000
1993	9,000

SERIES A INSTALLMENT PAYMENTS

(Form of Registered Bond - Front)

UNITED STATES OF AMERICA

STATE OF COLORADO

COUNTY OF JEFFERSON

COLORADO SCHOOL OF MINES
HOUSING SYSTEM REVENUE BOND, SERIES A
B
C
D

<u>Registered Number</u>	<u>Rate</u>	<u>Installment Dues Dates</u>	<u>Date of Original Issue</u>	<u>Cusip</u>
*	3.01%	1985 - 1993		
**	2.75%	1985 - 1996	January 1,	
***	3.50%	1985 - 2002	1984	
****	3.00%	1985 - 2005		

The Board of Trustees ("Board") of Colorado School of Mines ("School") at Golden, Colorado, pursuant to Title 23, Articles 5 and 41, and Title 11, Article 56, C.R.S. 1973, as amended, for value received, hereby promises to pay from the funds and revenues hereinafter designated to the United States of America, Secretary, Department of Education, or successor or
 January 1, 19__,
 registered assigns, on July 1, _____ (Series D Bonds only),
 unless this Bond shall have been called for prior redemption, the principal sum of

- * SEVENTY THOUSAND DOLLARS
- ** ONE HUNDRED TWENTY-THREE THOUSAND DOLLARS
- *** EIGHT HUNDRED NINETY-TWO THOUSAND DOLLARS
- **** FOUR HUNDRED NINETY-ONE THOUSAND DOLLARS

in installments as follows:

(NOTE TO PRINTER: Insert in this space the installment payments for each Series set forth at the end of this form.)

and to pay to the registered owner hereof, from the fund or funds hereinafter designated, interest at the rate specified above, payable July 1, 1984 and semiannually thereafter on the first day of January and the first day of July of each year. During the time the United States of America is the Registered Owner of this Bond, payment of the principal and interest hereof shall be made at the Federal Reserve Bank of Richmond, Richmond, Virginia. During such time as any person, firm, or corporation other than the United States of America is the Registered Owner of this Bond, said payment shall be made at the corporate trust office of Colorado National Bank of Denver, Denver, Colorado, Paying Agent and Registrar, or its successor. Such payments shall be made in

such executed instruments of transfer as the Registrar may require and payment of any reasonable transfer fees, provided that no fees shall be paid for transfer of any Bonds held by the United States of America. Upon any such transfer a new registered bond of the same maturity and in the same aggregate principal amount will be issued to the transferees. Bonds of one denomination may also be exchanged by the Registered Owners for registered bonds of other authorized denominations, upon surrender of the original bonds accompanied by such executed transfer documents as the Registrar shall require and payment of any reasonable transfer fees, provided no fees shall be paid for transfer of any Bonds held by the United States of America.

Section 13. That the Series A through D Bonds shall be in substantially the following form, with such additions, deletions, and modifications as the Registrar may require:

of the Secretary, with a facsimile of the seal of the Board affixed thereto, and authenticated with the manual signature of an Authorized Officer of the Registrar. Should any officer of the Board whose facsimile signature appears on the Bonds cease to be such officer before delivery of the Bonds to the Registered Owner, such facsimile signature shall nevertheless be valid and sufficient for all purposes.

The principal of Series E Bonds shall be payable at the corporate trust office of the Paying Agent and Registrar, or its successor. So long as the Registered Owner of the Series A through D Bonds is the United States of America, payment of principal and interest shall be made at the Federal Reserve Bank of Richmond, Richmond, Virginia. During such time as any person, firm, or corporation other than the United States of America is the Registered Owner of the Bonds, the principal thereof shall be payable at the corporate trust office of the Paying Agent and Registrar, or its successor.

Interest shall be payable to the holders of record on the Record Date by check drawn on the Paying Agent and mailed to the Registered Owner at the address as it appears on the bond registry books maintained by the Registrar. The Record Date is the 15th day of the month next preceding the interest payment date.

The Bonds may be transferred by the Registered Owners or their duly authorized attorneys at the corporate trust office of the Registrar, upon surrender of the bonds, accompanied by

On or before the fortieth day prior to each sinking fund payment date, the Board shall proceed to select for redemption (by lot in such manner as the Board may determine) from all Bonds outstanding maturing on January 1, 2004 and January 1, 2009, a principal amount of the Bonds equal to the aggregate principal amount of the Bonds redeemable with the required sinking fund payments, and shall call such Bonds for redemption from the sinking fund on the next January 1, and shall give notice of such redemption as provided herein.

Notice of optional prepayment of the Series A through D Bonds and mandatory and optional redemption of the Series E Bonds shall be given by mailing a copy of the notice 30 days prior to the redemption date to the Registered Owner of the bonds as recorded on the books maintained by the Registrar. The notice shall state the time and place of prepayment or redemption, the amount and numbers of the bonds being prepaid or redeemed, and that after the date fixed for prepayment or redemption, interest on the bonds shall cease.

The net effective interest rate on the Series E Bonds is 10.22%.

Section 12. That the Board hereby appoints Colorado National Bank of Denver, Denver, Colorado, as Paying Agent and Registrar, and it may be referred to in this Resolution as "Paying Agent" or "Registrar", or "Paying Agent and Registrar".

The Bonds shall be signed with the facsimile signature of the President of the Board, attested by the facsimile signature

January 1 and July 1, 1994	1% premium
January 1 and July 1, 1995	3/4 of 1% premium
January 1 and July 1, 1996	1/2 of 1% premium
January 1 and July 1, 1997	1/4 of 1% premium
January 1, 1998 and thereafter	no premium

Bonds of this series maturing on January 1, 2004 and January 1, 2009, shall also be due and payable from sinking fund installments through mandatory redemption by lot, to be conducted in a manner determined by the Board, on each January 1 on and after January 1, 1994 and January 1, 2004, respectively, at the price of par and accrued interest, without redemption premium, according to the following schedule:

Term Bond Due 2004

<u>Amount</u>	<u>Sinking Fund Payment Date</u>
\$ 95,000	January 1, 1995
115,000	January 1, 1996
135,000	January 1, 1997
155,000	January 1, 1998
165,000	January 1, 1999
185,000	January 1, 2000
205,000	January 1, 2001
245,000	January 1, 2002
310,000	January 1, 2003
345,000	January 1, 2004*

*Stated Maturity

Term Bond Due 2009

<u>Amount</u>	<u>Sinking Fund Payment Date</u>
\$375,000	January 1, 2005
435,000	January 1, 2006
495,000	January 1, 2007
545,000	January 1, 2008
600,000	January 1, 2009*

*Stated Maturity

Series A through C Bonds due on and after January 1, 1985, and on the Series D Bonds due on and after July 1, 1984, or any portion thereof as it may determine, in inverse chronological order and in multiples of One Thousand Dollars, at the principal amount thereof, plus accrued interest to the date of prepayment.

Section 11. That the Series E Bonds will be dated as of December 15, 1983, will be in registered form without coupons attached, payable to the registered owner, or assigns, will be in denominations of \$5,000 or any multiple thereof up to \$100,000, numbered from one upward, as may be determined by the purchaser, will bear interest payable July 1, 1984, and semiannually thereafter on January 1 and July 1 each year and will mature on January 1, as follows:

<u>Years</u> <u>Maturing</u>	<u>Amounts</u> <u>Maturing</u>	<u>Interest Rate</u> <u>(Per Annum)</u>
1986	\$ 50,000	7.00%
1987	50,000	7.50%
1988	55,000	8.00%
1989	55,000	8.25%
1990	65,000	8.50%
1991	70,000	8.75%
1992	75,000	9.00%
1993	85,000	9.20%
1994	90,000	9.375%
2004	1,955,000	10.25%
2009	2,450,000	10.25%

Bonds of this series maturing in the years 1995 and thereafter shall be redeemable prior to maturity at the option of the Board, on January 1, 1994, and on any interest payment date thereafter in inverse order of maturity and by lot within a maturity, upon payment of par, accrued interest, and premiums as follows:

<u>Installments Maturing</u>	<u>Amounts Maturing</u>
1998	55,000
1999	60,000
2000	60,000
2001	60,000
2002	47,000

Section 9. That the Series D Bond will be dated as of January 1, 1984, will be in registered form without coupons attached, payable to the United States of America, Secretary, Department of Education, or assigns, will be in the denomination of \$491,000, numbered R-1D, will bear interest at the rate of 3% per annum, payable July 1, 1984, and semiannually thereafter on January 1 and July 1 of each year, and will mature in installments on July 1, as follows:

<u>Installments Maturing</u>	<u>Amounts Maturing</u>
1984	\$15,000
1985	15,000
1986	20,000
1987	20,000
1988	20,000
1989	20,000
1990	20,000
1991	20,000
1992	20,000
1993	20,000
1994	20,000
1995	25,000
1996	25,000
1997	25,000
1998	25,000
1999	25,000
2000	25,000
2001	25,000
2002	30,000
2003	30,000
2004	35,000
2005	11,000

Section 10. That the Board shall have the right to prepay on any interest payment date the principal installments on the

thereafter on January 1 and July 1 of each year, and will mature in installments on January 1, as follows:

<u>Installments Maturing</u>	<u>Amounts Maturing</u>
1985	\$8,000
1986	8,000
1987	8,000
1988	8,000
1989	8,000
1990	9,000
1991	9,000
1992	9,000
1993	9,000
1994	19,000
1995	20,000
1996	8,000

Section 8. That the Series C Bond will be dated as of January 1, 1984, will be in registered form without coupons attached, payable to the United States of America, Secretary, Department of Education, or assigns, will be in the denomination of \$892,000, numbered R-1C, will bear interest at the rate of 3-1/2% per annum, payable July 1, 1984, and semiannually thereafter on January 1 and July 1 of each year, and will mature in installments on January 1, as follows:

<u>Installments Maturing</u>	<u>Amounts Maturing</u>
1985	\$40,000
1986	40,000
1987	40,000
1988	40,000
1989	45,000
1990	45,000
1991	45,000
1992	50,000
1993	50,000
1994	50,000
1995	55,000
1996	55,000
1997	55,000

schedule continues

Section 5. That for the purpose of liquidating the 1981 Warrants, for payment of costs and expenses of issuance and for providing funds for a reserve, the Board shall issue its registered Revenue Bonds each to be designated "Colorado School of Mines Housing System Revenue Bond, Series E" in the principal amount of Five Million Dollars (\$5,000,000).

Section 6. That the Series A Bond will be dated as of January 1, 1984, will be in registered form without coupons attached, payable to the United States of America, Secretary, Department of Education, or assigns, will be in the denomination of \$70,000, numbered R-1A, will bear interest at the rate of 3.01% per annum, payable July 1, 1984 and semiannually thereafter on January 1 and July 1 of each year, and will mature in installments on January 1, as follows:

<u>Installments</u> <u>Maturing</u>	<u>Amounts</u> <u>Maturing</u>
1985	\$7,000
1986	7,000
1987	7,000
1988	8,000
1989	8,000
1990	8,000
1991	8,000
1992	8,000
1993	9,000

Section 7. That the Series B Bond will be dated as of January 1, 1984, will be in registered form without coupons attached, payable to the United States of America, Secretary, Department of Education, or assigns, will be in the denomination of \$123,000, numbered R-1B, will bear interest at the rate of 2-3/4% per annum, payable July 1, 1984, and semiannually

(\$70,000), to be designated "Colorado School of Mines Housing System Revenue Bond, Series A."

Section 2. That for the purpose of refunding and exchanging Colorado School of Mines Dormitory Refunding and Construction Bonds, Series 1957-B, in the principal amount of \$123,000, the Board has determined to authorize to be issued a single registered Revenue Bond, payable in installments, in the denomination and principal amount of One Hundred Twenty-Three Thousand Dollars (\$123,000), to be designated "Colorado School of Mines Housing System Revenue Bond, Series B."

Section 3. That for the purpose of refunding and exchanging Colorado School of Mines Building Revenue Bond of 1962, in the principal amount of \$892,000, the Board has determined to authorize to be issued a single registered Revenue Bond, payable in installments, in the denomination and principal amount of Eight Hundred Ninety-Two Thousand Dollars (\$892,000), to be designated as "Colorado School of Mines Housing System Revenue Bond, Series C."

Section 4. That for the purpose of refunding and exchanging Colorado School of Mines Housing System Revenue Bond of 1966, in the principal amount of \$491,000, the Board has determined to authorize to be issued a single registered Revenue Bond, payable in installments, in the denomination and principal amount of Four Hundred Ninety-One Thousand Dollars (\$491,000), to be designated "Colorado School of Mines Housing System Revenue Bond, Series D."

WHEREAS, the 1977 Warrants were redeemed and liquidated and the Project completed with the proceeds of Dormitory and Student Center Revenue Anticipation Warrants dated July 1, 1979 in the principal amount of \$4,525,000 (the "1979 Warrants"); and

WHEREAS, the 1979 Warrants were redeemed and liquidated with the proceeds of Dormitory and Student Center Revenue Anticipation Warrants, dated June 1, 1981 (the "1981 Warrants") in the principal amount of \$4,500,000; and

WHEREAS, the 1981 Warrants provide that they may be paid and redeemed from, among other sources, the proceeds of revenue bonds; and

WHEREAS, the Board proposes to procure the funds to liquidate the 1981 Warrants, to pay issuance expenses, and to establish a reserve therefor, by issuing its Housing System Revenue Bonds, Series E, in an aggregate principal amount of \$5,000,000; and

WHEREAS, the Board has obtained the consent of the United States of America, Department of Education to exchange the Outstanding Bonds for the Bonds hereinafter described.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF COLORADO SCHOOL OF MINES, IN LAWFUL MEETING ASSEMBLED:

Section 1. That for the purpose of refunding and exchanging Colorado School of Mines Dormitory Refunding and Construction Bonds, Series 1957-A, in the principal amount of \$70,000, the Board has determined to authorize to be issued a single registered Revenue Bond, payable in installments, in the denomination and principal amount of Seventy Thousand Dollars

<u>Amount</u>	<u>Designation</u>	<u>Bond Numbers</u>
\$ 70,000	Dormitory Refunding and Construction Bonds, Series 1957-A	125 - 194, incl.
123,000	Dormitory Refunding and Construction Bonds, Series 1957-B	135 - 257, incl.
892,000	Building Revenue Bond of 1962	471 (Single Bond)
491,000	Housing System Revenue Bond of 1966	1 (Single Bond)

WHEREAS, the holder of the Outstanding Bonds has consented to surrender said bonds and to accept in exchange therefor an equal principal amount of registered single bonds; and

WHEREAS, in the judgment of the Board, the Outstanding Bonds should be surrendered and exchanged for an equal principal amount of single registered bonds designated "Colorado School of Mines Housing System Revenue Bonds", Series A in the amount of \$70,000, Series B in the amount of \$123,000, Series C in the amount of \$892,000, and Series D in the amount of \$491,000; and

WHEREAS, the Board has constructed and equipped a student dormitory to house students, known as New Residence Hall, and purchased land therefor, and constructed and equipped additional student center facilities (the "Project") on the campus of the School at Golden, Colorado; and

WHEREAS, the Board has heretofore issued its Dormitory and Student Center Revenue Anticipation Warrants dated September 1, 1977 in the principal amount of \$3,785,000, due and payable September 1, 1979 (the "1977 Warrants"), to provide part of the funds for this purpose; and

R E S O L U T I O N

A RESOLUTION AUTHORIZING COLORADO SCHOOL OF MINES HOUSING SYSTEM REVENUE BONDS, SERIES A THROUGH D, FOR THE PURPOSE OF EXCHANGING SUCH BONDS FOR A LIKE PRINCIPAL AMOUNT OF OUTSTANDING BONDS HELD BY THE UNITED STATES OF AMERICA, DEPARTMENT OF EDUCATION, AND AUTHORIZING HOUSING SYSTEM REVENUE BONDS, SERIES E, IN THE PRINCIPAL AMOUNT OF \$5,000,000 TO PROVIDE FUNDS TO LIQUIDATE OUTSTANDING WARRANTS DATED JUNE 1, 1981; TO PROVIDE FOR ISSUANCE EXPENSES AND TO ESTABLISH A RESERVE THEREFOR; MAKING PLEDGES OF REVENUES FOR PAYMENT OF THE SERIES A THROUGH E BONDS AND THE INTEREST THEREON; AND PROVIDING OTHER DETAILS IN CONNECTION THEREWITH.

WHEREAS, the Board of Trustees of Colorado School of Mines (the "Board") is empowered by virtue of its organization under the Constitution and laws of the State of Colorado, particularly Title 23, Articles 5 and 41, and Title 11, Article 56, Colorado Revised Statutes 1973, as amended, to have general control and supervision of Colorado School of Mines, at Golden, Colorado (the "School" or the "College"), and power to do all things incidental thereto, including the power to contract for the advancement of moneys for the construction and equipping of housing and dining facilities and the purchase of land at the School and to issue revenue bonds or interim warrants to evidence the advancement of moneys, and generally the power, within statutory limits, to bind itself to the performance of obligations and to refund and exchange such obligations and bonds; and

WHEREAS, as of January 1, 1984, the Board has outstanding the following Housing obligations held by the United States of America, Department of Education, herein collectively referred to as the "Outstanding Bonds":

The motion, carrying with it the adoption of the Resolution, prevailed by the following vote:

AYES:

Fred R. Schwartzberg

Russell L. Wood

Don K. Henderson

W. K. Coors

James C. Wilson

Monte Pascoe

J. N. Warren

NOES: None

The Resolution as adopted is as follows:

STATE OF COLORADO
COUNTY OF JEFFERSON

)
) ss.
)

The Board of Trustees of Colorado School of Mines convened in regular meeting on the 9th day of December, 1983, at Colorado School of Mines, Golden, Colorado, at eight o'clock A.M., with the following members and officers of the Board present:

- President: Fred R. Schwartzberg
- Vice President: Russell L. Wood
- Secretary: Don K. Henderson
- Members: W. K. Coors
James C. Wilson
Monte Pascoe
J. N. Warren

with the following members of said Board absent:

None

constituting a quorum of the said Board, at which meeting the following, among other business, was transacted.

Member Pascoe introduced a Resolution which was read by the Secretary. Member Pascoe moved that the Resolution be adopted. Member Wilson seconded this motion.

C E R T I F I E D R E C O R D

of proceedings of

BOARD OF TRUSTEES

of

COLORADO SCHOOL OF MINES

authorizing the issuance of the following Bonds

HOUSING SYSTEM REVENUE BOND, SERIES A - \$70,000

HOUSING SYSTEM REVENUE BOND, SERIES B - \$123,000

HOUSING SYSTEM REVENUE BOND, SERIES C - \$892,000

HOUSING SYSTEM REVENUE BOND, SERIES D - \$491,000

DATED JANUARY 1, 1984

HOUSING SYSTEM REVENUE BONDS, SERIES E - \$5,000,000

DATED DECEMBER 15, 1983