RECORD OF PROCEEDINGS

Harold R. Cheuvront
Registrar
$19,300

W. John Cieslewicz
Associate Professor of Humanities and Social Sciences and Associate Professor of Mineral Economics
18,360

L. Graham Closs
Assistant Professor of Geology
17,280

Bernetta Conrey
Departmental Assistant
18,200

W. D. Copeland
Dean of the Graduate School and Professor of Metallurgical Engineering
36,200

Catharine S. Cross
Librarian
16,500

Richard S. Culver
Dean of Students and Associate Professor of Basic Engineering
29,500

Stephen R. Daniel
Associate Professor of Chemistry
20,700

Joseph E. Davies
Professor of Physical Education and Athletics
22,700

James Darden
Associate Professor of Physical Education and Athletics
22,480

Richard H. DeVoto
Associate Professor of Geology
23,700

Dean W. Dickerhoof
Professor of Chemistry
23,300

Donald I. Dickinson
Associate Professor of English
21,800

Philip F. Dickson
Professor of Chemical and Petroleum-Refining Engineering and Head of Department
32,800

Glen R. Edwards
Associate Professor of Metallurgical Engineering
24,030

Kenneth W. Edwards
Associate Professor of Chemistry
18,250

Harry W. Emrick
Associate Professor of Basic Engineering and Director of Continuing Education
29,700

June 9, 1978
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<td>Rudy C. Epis</td>
<td>Professor of Geology</td>
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<td>Carl A. Fawcett</td>
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<td>Joseph J. Finney</td>
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<td>James H. Gary</td>
<td>Vice President for Academic Affairs and Dean of the Faculty and Professor of Chemical and Petroleum-Refining Engineering</td>
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<td>Richard D. Gauthier</td>
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<td>Donald W. Gentry</td>
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<td>Leanne Gibson</td>
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<td>James L. Giulianielli</td>
<td>Visiting Assistant Professor of Chemistry and Geochemistry</td>
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<td>John O. Golden</td>
<td>Professor of Chemical and Petroleum-Refining Engineering and Director of Research Development</td>
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RECORD OF PROCEEDINGS

Stanley M. Guralnick  
Associate Professor of Humanities and Social Sciences  
$17,800

Raymond R. Gutzman  
Associate Professor of Mathematics  
21,440

Frank A. Hadsett  
Professor of Geophysics  
29,480

J. P. Hager  
Professor of Metallurgical Engineering  
32,000

John W. Hancock  
Associate Professor of Physical Education and Athletics  
20,710

Peter E. Hartley  
Assistant Professor of Humanities and Social Sciences  
18,360

John D. Haun  
Professor of Geology  
30,800

Douglas W. Hilchie  
Associate Professor of Petroleum Engineering  
25,230

Carl L. Hiltrop  
Associate Professor of Chemistry  
16,450

Anthony L. Hines  
Associate Professor of Chemical and Petroleum-Refining Engineering  
22,000

John A. Hogan  
Associate Professor of English  
20,560

Ralph C. Holmer  
Professor of Geophysics  
28,600

Matthew J. Hrebar  
Assistant Professor of Mining Engineering  
20,700

Joan R. Hundhausen  
Assistant Professor of Mathematics  
16,800

William A. Hustrulid  
Professor of Mining Engineering  
27,400

Robert M. Hutchinson  
Professor of Geology  
23,450

William A. Ingels  
Budget Officer  
21,000

J. Tracey James  
Assistant Professor of Physical Education and Athletic Trainer  
16,400

Warren E. Jamison  
Associate Professor of Basic Engineering  
22,680

June 9, 1978
Leonard L. Johnson  
Business Services Officer  
$20,700

Thys B. Johnson  
Professor of Mining Engineering and  
Head of Department  
31,000

James G. Johnstone  
Professor of Basic Engineering  
28,900

Leonard A. Kalal  
Associate Professor of Philosophy  
21,250

Alexander A. Kaufman  
Associate Professor of Geophysics  
24,400

Marvin L. Ray  
Associate Professor of Physical Education  
and Athletics and Head Football Coach  
20,400

George V. Keller  
Professor of Geophysics and Head of  
Department  
36,800

George H. Kennedy  
Professor of Chemistry and Head of  
Department of Chemistry and Geochemistry  
25,350

Harry C. Kent  
Professor of Geology  
30,980

Arthur J. Kidnay  
Professor of Chemical and Petroleum-  
Refining Engineering  
26,400

John V. Kline  
Professor of Physics  
24,320

Ronald W. Klusman  
Professor of Chemistry and Acting Director  
of the Office of Research Services  
27,300

Charles Kohlhass  
Associate Professor of Petroleum Engineering  
24,900

George Krauss  
AMAX Foundation Professor of Physical  
Metallurgy  
30,500

William B. Law  
Associate Professor of Physics  
21,370

Keenan Lee  
Associate Professor of Geology  
22,880

Fred R. Leffler  
Associate Professor of Electrical  
Engineering  
21,400

June 9, 1978
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<td>J. D. Lubahn</td>
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<td>George B. Lucas</td>
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<td>George Lynn</td>
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<td>Patrick MacCarthy</td>
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<td>Barbara MacDonald</td>
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<td>Earl K. Madsen</td>
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<td>Robert Mage</td>
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<td>Maurice Major</td>
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<td>Scott J. Marshall</td>
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<td>James W. Martin</td>
<td>Professor of Basic Engineering and Acting Head of Department</td>
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<td>Gerard P. Martins</td>
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<td>Warren J. Mason</td>
<td>Director of Financial Aid</td>
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<td>Jean P. Mather</td>
<td>Professor of Mineral Economics and Head of Department</td>
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<td>Frank Mathews</td>
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<td>David K. Matlock</td>
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<td>R. W. McAllister</td>
<td>Associate Professor of Physics</td>
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Robert McCandless
Assistant Professor of Physical Education and Athletics

Michael McGrath
Chief Consultant, Computing Center
and Associate Professor of Basic Engineering

Willa Meylink
Instructor in Physical Education

C. Samuel Miller
Associate Professor of Basic Engineering

B. J. Mitchell
Grace Foundation Professor of Petroleum Engineering

John E. Mohn
Accounting Officer

Fred E. Moore
Professor of Geology

Charles S. Morris
Director of Public Relations

Raymond K. Mueller
Associate Professor of Mathematics

William M. Mueller
Professor of Metallurgical Engineering and Head of Department

Karl R. Nelson
Assistant Professor of Basic Engineering

Karl R. Newman
Associate Professor of Geology

Judith O'Brien
Personnel Officer

David L. Olson
Professor of Metallurgical Engineering

Michael J. Pavelich
Assistant Professor of Chemistry

Robert W. Pearson
Business Manager, Department of Athletics

Anton G. Pegis
Professor of Humanities and Social Sciences

Harry C. Peterson
Professor of Basic Engineering

Alfred Petrick, Jr.
Coulter Professor of Mineral Economics

June 9, 1978
Thomas Philipose
Associate Professor of Humanities and Social Sciences
$17,450

Hartley K. Phinney, Jr.
Head Librarian
32,300

George R. Pickett
Professor of Geophysics
29,000

Jon W. Raese
Director of Publications
19,600

Robert T. Reeder
Associate Professor of Mining Engineering
24,000

James M. Riddle
Assistant Professor of Mining Engineering
20,410

Samuel B. Romberger
Associate Professor of Geology
22,500

Philip R. Romig
Associate Professor of Geophysics
22,300

Oded Rudawsky
Associate Professor of Mineral Economics
22,800

Arthur Y. Sakakura
Associate Professor of Physics
23,030

David W. Satterley
Data Processing Officer
25,600

A. W. Schlechten
Professor of Metallurgy and Director of the W. J. Kroll Institute for Extractive Metallurgy
34,070

William A. Schneider
George R. Brown Professor of Geophysics
32,400

Franklin D. Schowengerdt
Associate Professor of Physics and Head of Department
23,100

William Gordon Scott
Vice President for Business Affairs
39,000

John M. Shannon
Assistant Professor of Geology and Director of the Geology Museum
15,950

E. Craig Simmons
Assistant Professor of Chemistry and Geochemistry
15,660

Maynard Slaughter
Professor of Chemistry
25,300

June 9, 1978
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<tr>
<td>E. Dendy Sloan</td>
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<td>Assistant Professor of Chemical and Petroleum-Refining Engineering</td>
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<td>Margaret Smart</td>
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<td>Richard Sudermann</td>
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<td>Director of Plant Facilities</td>
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<td>Huntington S. Swanson</td>
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<td>Manager, Computing Center</td>
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<td>Samuel E. Vandiver</td>
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<td>Professor of Humanities &amp; Social Sciences and Head of Department</td>
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<td>Robert A. Walsh</td>
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<td>Fun-Den Wang</td>
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<td>Professor of Mining Engineering and Head, Earth Mecanics Institute</td>
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June 9, 1978
Douglas W. Waples 15,880
Assistant Professor of Chemistry & Geochemistry

Joseph C. Weber 16,450
Assistant Professor of Mineral Economics

Patsy M. Wagner 16,400
Director of Student Activities

Robert J. Weimer 30,800
Professor of Geology

John G. Welles 46,500
Vice President for Institutional Planning and Development

James E. White 34,300
Professor of Geophysics

Thomas R. Wildeman 23,000
Associate Professor of Chemistry

Beatrice E. Willard 24,300
Professor of Environmental Science

John T. Williams 29,880
Professor of Chemistry

Don L. Williamson 17,500
Assistant Professor of Physics

Robert D. Witters 22,150
Professor of Chemistry

Robert E. D. Woolsey 30,100
Professor of Mineral Economics

Ching H. Wu 20,520
Associate Professor of Petroleum Engineering

F. Richard Yeatts 21,300
Associate Professor of Physics

Victor Yesavage 22,360
Associate Professor of Chemical and Petroleum-Refining Engineering

A. William Young 21,300
Director of Admissions

Thomas R. Young 3,250
Adjunct Assistant Professor of Mining Engineering

Graduate Degree Designations. Dr. Copeland said it appeared desirable to the Chemistry and Physics Departments both to reduce the present very large number of interdiscipli-

pary degree titles and to offer simpler and more conventional
titles the better to attract qualified doctoral students for research in the mineral and energy resource fields. The Graduate Council has for these purposes recommended that there be established the Ph.D. titles "Applied Chemistry" and "Applied Physics" and that all other interdisciplinary titles, which involve both these two departments and the Mathematics Department, be abolished. It is the administration's interpretation of CCHE guidelines that such action does not require CCHE approval, only reporting for information.

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

The Board of Trustees of the Colorado School of Mines resolves to establish the degree titles of:

Doctor of Philosophy (Applied Chemistry)
Doctor of Philosophy (Applied Physics)

It is further resolved that all research associated with these degrees continue to be in the mineral and energy resource fields. It is further resolved to eliminate all present graduate degree titles with dual discipline designations.

Personal Liability of College Administrators. President McBride reported to the Board a recent Colorado Supreme Court decision in a case of suit against an employee of RTD and RTD itself. The court ruled that because the suit was not filed until more than 90 days after the accident the company was not liable but the employee remained liable. This decision, coupled with recent difficulties in securing insurance excess coverage, brought the attention of the college presidents to the liability of administrators and Board members.

President McBride said at the present time there is only $300,000 insured coverage per incident with no rider for extended coverage. The statewide extended coverage of $1.5 million was cancelled as of the beginning of this fiscal year, and state efforts to replace it have failed.

He said he is reporting for information only at this meeting and that the item will be on the agenda for July, when more information will be available. It is thought that it may be desirable for the Board to adopt a resolution to cover persons sued outside the 90-day period. Mr. Stockmar was requested by the Chairman to investigate the matter from a legal standpoint.

Energy Field Institute. Mr. Welles reported on the plans for the Field Institute on Western Energy Opportunities, Problems, and Policy Issues to be held on July 23-28. The Institute is being jointly sponsored by the CSM and the Resources for the Future. There will be approximately 40 Congressional and executive aides from Washington, D.C. attending the meeting, which will focus attention on production and use of western energy resources. The program and field trips will attempt to provide background information of assistance in formulating national energy policy objectives.

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American Indian Student Recruitment. Dean Culver reviewed the status of the program to recruit American Indian students. He spoke of the proposals prepared and submitted to several foundations known to be sympathetic to Indian causes. There has been little success in funding the program to date. He said also there is little interest shown by the persons in charge on reservations, due to their preoccupation with other needs to strengthen their governments and their capacity to manage their resources.

Mr. Maytag reminded the Board that the original understanding was to proceed with a recruitment program if funding could be found. Dean Culver said that thus far internal funds of approximately $6,500 have been spent on the program.

It was the general consensus that perhaps the program should best be undertaken by other schools, such as the University of New Mexico, and that for the time being we should both accord any Indian applicants all due attention and hope that we can attract some Indian transfer and graduate students as a beginning of other Indian recruitment.

Keystone Meeting. Mr. Welles distributed second draft agendas for the meeting in Keystone on July 7-8, 1978.

Mr. Grynberg entered the meeting at this time.

Proposed Television Extension Courses. Dr. Albert Burke was introduced by Dr. Gary, who said that Dr. Burke is working as a member of the faculty on a proposal to make video tapes for use by schools and national television on natural resources, using the School as a base.

Dr. Burke made available copies of a proposal for a Resource Communication Center which he asked the Board members to read in the reasonably near future. Dr. Burke then showed examples of previous tapes he has produced in order to give the Board members an idea of what he wishes to do.

After the showing there was discussion on the part the School will play in such film making and the thematic notion around which articulation by Dr. Burke will be affected. It was suggested that, properly done, such tapes can affect image enhancement, be of great public service, and increase the pride of our alumni in their school.

Upon motion made, seconded, and passed the concept presented by Dr. Burke was approved, subject to plans for proper administrative control and a detailed budget. Dr. McBride was instructed to present both at the July meeting next.

The meeting adjourned at 11:30 a.m.

[Signature]

Secretary

June 9, 1978
The Board of Trustees of the Colorado School of Mines met in substitution of its regularly scheduled July meeting at Keystone Lodge, Keystone, Colorado on July 8, 1978. The Chairman, Mr. Steve Ruehle, called the meeting to order at 1 p.m.

Present were Messrs. Coors, Fogarty, Grynberg, Maytag, Ruehle, Schwartzberg, Stockmar, and Wilson.

Also present were President McBride, members of the administration, representatives of the Daily Transcript, and various guests.

Previous Minutes. The minutes of the meeting of June 9, 1978 were approved as distributed.

Faculty Appointments. Dr. Gary reported the following faculty appointment:

Thomas E. Kelley $15,000
Assistant Professor of Mathematics

A brief discussion followed on the vacancies which are in the process of being filled.

Monthly Financial Reports. Mr. Scott offered the monthly financial reports. He explained that whereas the fiscal year had ended the previous Friday, the budget report reflected the status of the accounts as of date. Additional expenses are yet to be recorded against the FY 1978 budget, and it is anticipated that the School will complete the year within the appropriated funding. The monthly investment report was provided for the information of the Board, and the information in the time deposits category of the report was discussed.

Admissions Report. Dr. Gary reported to the Board on the status of admissions for fall 1978. He indicated that the desired number of new students was expected and that no further admissions would be offered other than to replace admittees who have withdrawn. Mr. Young, Admissions Officer, was asked to comment upon the characteristics of the admittees, and in response he indicated the following:

- The academic abilities of the entering class appear to be equal to those of recent classes.

- The School has reached a plateau upon which we will receive an estimated 1300 to 1400 applications per year.

- It is expected that there will be a higher percentage of out-of-state students in the new class.

July 8, 1978
- 16% to 17% of the new freshmen will be women, and 14% of the entire student body next year will be made up of women.

- Approximately 4% of the new students will be from recognized minority groups.

In response to a question, a brief discussion on reclassification as to residency for tuition status was held.

Personal Liability of College Administrators and Board Members. The present exposure of Board members and State employees to personal liability beyond that of the institution they represent was discussed. The Board of Trustees urged the administration to pursue the possibility of purchase of additional liability insurance to cover this risk. After further discussion, it was moved and seconded that the following resolution be adopted. Motion carried.

WHEREAS the Board of Trustees recognizes the need to protect its employees from liability arising out of the good faith performance of their duties so that those employees may feel free to serve the purposes of higher education, unburdened by undue personal risk, and

WHEREAS the Board of Trustees also acknowledges the Colorado Constitution's prohibition against a pledge of the credit of the State of Colorado by the Board.

NOW, THEREFORE, be it resolved:

1. When deemed appropriate the Board shall make its best efforts to satisfy judgments against its employees and members of the Board of Trustees incurred in the good faith exercise of their duties and to provide the cost of defense for such employees from funds under the jurisdiction of the Board and not committed to other purposes.

2. The Board hereby urges the adoption of legislation which adequately protects State employees from liabilities incurred within the scope of their employment.

Burke Proposal - Administrative Control and Budget. The discussion of the proposed public service video programming, which had begun during the Board meeting of June 9, was continued. A memorandum written by Mr. Welles to President McBride under date of July 5, 1978 was provided for use by the Board. It suggested the formation of an oversight committee and an advisory committee to evaluate the appropriateness of the programs produced and suggested a budget to initiate activities. A lengthy discussion followed during which the desirability of having trustee representation on the committees was analyzed. Attention was focused on the distinction between committee decisions or operational matters and the Board members' roles as policy makers.

July 8, 1978
Dr. Burke was asked to participate in the discussion. During this participation Dr. Burke mentioned the possible creation of one-minute commentaries of two sorts, the first being information editorial comments directed toward minerals and energy topics and the second being highly topical one-minute spots produced as a result of the occurrence of events of immediate national importance. A considerable discussion followed concerning the desirability of producing the latter.

The responsiveness of committees to the demands of possible scheduling needs was discussed at length.

It was moved and seconded that the proposals of the memorandum of July 5, 1978 for the administrative control of the public service video program and the budget be approved. Discussion followed. Mr. Welles pointed out that CSM has raised funds for filming the Energy Field Institute and suggested that there would be adverse reaction should we not be able to fulfill these obligations. Dr. Gary was asked whether first year programming was financially feasible should the revenue predicted from the one-minute "editorial" spots not be available. He replied that although it would restrict the money available to work with there would be sufficient funds to begin the program. Dr. McBride stated he would like to see the program have every opportunity to develop. Mr. Douglas Aab was asked for his comments from a student perspective concerning the program, and he both indicated enthusiasm for the project and suggested that in his opinion adequate review mechanisms could be employed prior to release for public broadcast should there be any questions about the material. The question was called; motion carried 4 to 3, Trustees Coors, Maytag, and Wilson voting in the negative. The function of the committees is open to Board review during the course of the video activities. President McBride, in response to Trustee comments and questions, stated for the record that in his view the proposed role of the committee should not be regarded as a violation of academic freedom.

Right of Way Matters. This item was postponed for discussion at subsequent meeting.

1978-79 Budgets for Auxiliary Enterprises. Mr. Scott presented the budgets and answered the questions raised by various Board members. It was moved and seconded that the budgets be adopted as presented.

Organization of Colorado Association of Governing Boards. Mr. Stockmar reported briefly on the Colorado Association of Governing Boards, which was formed during the months of May and June as a voluntary association to promote higher education. He mentioned his reservations about possible activities of the association and suggested that the Board carefully consider the statement of purpose proposed by the CAGB before adopting it. The adverse reaction of the legislative Interim Committee for Higher Education to the formation of the CAGB was discussed.

Old Buildings. Mr. Maytag mentioned that he had recently discussed CSM matters with Governor Lamm and that the Governor had seemed interested in the fate of our older
buildings, especially Chauvenet and Stratton Halls. A brief discussion followed concerning the commitments of record made concerning the possible future uses of those buildings.

HUD College Housing Loan. Mr. Grynberg mentioned that the Housing and Urban Development College Housing Loan Program was being reopened and urged the School to investigate. He was informed that the application was being prepared and would be submitted early in the week of July 10.

Executive Session. At the completion of the regular agenda, the Chairman asked the Board to enter into Executive Session to discuss personnel matters.

President's Salary. At the conclusion of the Executive Session, the Board reconvened in public session to consider the question of President McBride's salary for the 1978-79 academic year. Upon motion properly made, seconded, and passed unanimously the President's salary for 1978-79 was established to be $55,000 with the added provision, as customary, that he be required under the terms of his employment to reside in the President's home at 1722 Illinois, Golden.

The meeting adjourned at approximately 4:00 p.m.

[Signature]
Secretary

July 8, 1978
RECORD OF PROCEEDINGS

Golden, Colorado
September 8, 1978

The Board of Trustees met in regular session at 9:00 a.m., September 8, 1978, in the Board Room.


Also present were President McBride, Vice-Presidents Gary, Scott, Welles, various staff and faculty members, a representative of the press, and guests.

The co-editors of the 1978 Prospector distributed copies to the members of the Board prior to the meeting and received both the thanks of the Board and the Board's compliments on a timely and effective job.

Mr. Schwartzberg presided.

Previous Minutes. The minutes of the meeting held on July 8, 1978 were approved as corrected.

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

Vincent W. Anderson $24,500
Visting Professor of Basic Engineering

Gary C. Cochell 13,500
Visiting Assistant Professor of Mathematics

Cheryl K. Rofer-DePoorter 7,750
Visiting Adjunct Assistant Professor of Chemistry

Gerald L. DePoorter 9,750
Visiting Adjunct Assistant Professor of Chemistry

Robert F. Drake 16,000
Visiting Assistant Professor of Chemistry and Geochemistry

Robert D. Knecht 16,000
Visiting Assistant Professor of Chemical and Petroleum-Refining Engineering

Mark W. Ljunghall 13,000
Instructor in Basic Engineering

Stephen M. McKenna 13,500
Instructor in Basic Engineering

September 8, 1978
Dave Ray Schmitz
Assistant Professor of Mathematics

E. T. Woodburn
Visiting Kroll Professor of Metallurgical Engineering

Reappointments have been made as follows:

Larry J. Buchanan
Part-time Instructor in Geology

Jay D. Burch
Visiting Instructor in Physics

Norma F. Law
Adjunct Assistant Professor of Mathematics

Virginia A. McGinnis
Assistant Museum Curator

Dr. Gary reported that additional part-time staff will be added as necessary.

Dr. Gary also reported that Professor Charles O. Frush, Associate Professor of Mining Engineering, will be on leave without pay for the 1978-79 academic year; and Dr. George R. Pickett, Professor of Geophysics, will be on leave without pay for the fall semester of the 1978-79 academic year.

Dr. Gary indicated that a search is being conducted for a department head for the basic engineering department and for other permanent employees in several departments.

In response to a question, Dr. Gary replied that we were authorized at 185.7 FTE for the fiscal year, of which 174 FTE will be employed during the regular academic year. The utilization of part-time faculty results in the employment of approximately 200 individual faculty members. A brief discussion followed concerning the source and availability of the visiting faculty members.

Financial Reports. Financial reports were presented by Mr. Scott. The current monthly statement, the monthly investment summary, a final 1978 budget summary, and a summary of changes in fund balances for the 1978 fiscal year were distributed.

A brief discussion followed concerning our relationship with the Colorado State Auditor's office.

Enrollment Report. Dr. Gary presented a summary of the fall enrollment and said that it was expected the budgeted enrollment number of 2646 headcount would be met or exceeded this term. He expressed the desire to enroll a slightly

September 8, 1978
greater number of students this fall than budgeted due to the large number of December graduates expected. A brief discussion followed concerning the possible misinterpretation of a news report on CSM fall enrollment (a copy of the news release in question was made available for review).

1980 Trustee Planning Conference. Discussion was held as to the desirability of returning to Keystone for the conference, as weighed against the desirability of meeting elsewhere in the state. The possible public relations value of meeting at various locations was discussed and compared to the convenient location of Keystone and the demonstrated competence of the staff. It was moved and seconded that Keystone be designated the location of the 1980 Planning Conference. Motion carried.

Construction Report. Mr. Scott reported that the addition to the Arthur Lakes Library was complete and had been occupied. Work is progressing in the original portion of the building, with the complete structure expected to be ready for use by January 1979.

The Ben H. Parker Student Center dining room and kitchen are in use. The snack shop/I Club is expected to be available next week, with the new meeting rooms and student offices to be completed by early October.

The new dormitory is on schedule. Some difficulty is being encountered with the brick work. However, it is expected that the west building will be ready for occupancy in January 1979.

A Quitclaim Easement Deed granting the City of Golden a right-of-way for Elm Street over the portion of land owned by the School at the corner of Nineteenth and Elm had been prepared by the Office of the Attorney General. A brief discussion followed. It was moved and seconded that the President of the Board of Trustees be authorized to execute the deed in behalf of the Colorado School of Mines. Motion carried.

Core Curriculum Study. Dr. Gary reported that a study was begun last year by a faculty committee on the functions and content of the courses required in the core curriculum. It was thought that such a study would be complementary to the work being conducted on the profile of the future graduate. The work of the former committee will continue during 1978-1979. Discussion was held. The primary object was stated as being a desire to ensure that a specific quantity and quality of basic information was transmitted to the students in the core courses.

Meeting Date Changes. The date for the March, 1979 meeting was changed from the scheduled March 9 to Friday, March 2. The time of the November 10, 1978 meeting

September 8, 1978
was changed to 1:00 p.m. Chairman Schwartzberg invited the
Trustees to use the opportunity to visit the campus on the
morning of November 10 and have lunch with students or
faculty members.

At 10:20 a.m. Chairman Schwartzberg recessed the
meeting. At 10:35 a.m. the meeting was reconvened.

Brown Hall. Mr. Lamar Kelsey, architect for
Brown Hall, presented background information on the planning
process for the structure, discussed the various factors
which have influenced the design of the structure, and
presented the schematic designs for approval. Discussion
followed. It was moved and seconded that the schematic
designs for Brown Hall be approved. Motion carried. Special
commendation was offered the architect for the excellence
of his work.

The meeting adjourned at 11:45 a.m.

September 8, 1978
The Board of Trustees met in regular session at 9:00 a.m., October 13, 1978, in the Board Room, following a presentation by the staff of the Petroleum Engineering Department on the departmental program.


Mr. Ruehle was not present because of illness.

Mr. Stockmar presided.

Also attending the meeting were President McBride, Vice Presidents Gary, Scott, and Welles, various staff members and a representative of the press.

Previous Minutes. The minutes of the meeting held on September 8, 1978 were approved as distributed.

CCHF Meeting. Mr. Schwartzberg reported on a meeting called by the chairman of the CCHF in response to a widely-distributed letter from the Governor expressing concern over salaries and salary raises for college and university presidents—which in the Governor's opinion are excessive. Mr. Schwartzberg stated there seemed to be unanimous agreement among the representatives of the governing boards present both that the setting of salaries for the college and university presidents was the prerogative of the governing boards and that the salaries being paid were not out of line either with those for corresponding levels of responsibility or with those of other organizations of similar size and budget.

Mr. Schwartzberg stated that the group recognized that in fact control in the last analysis is exercised over such salaries by the JBC, and further that Mines has certainly not exceeded JBC expectations; rather Mines has been more conservative than some other institutions.

Mining and Mineral Resources Institute. President McBride reported that notice has been received that Mines is one of twenty institutions which will share $5.4 million in federal money under a provision of the Surface Mining Control and Reclamation Act of 1977. Mines will receive $110,000 in start-up administrative costs and $160,000 in scholarship and fellowship funds for the year beginning September 29, 1978. The program will be administered within the Mining and Mineral Resources Institute, and a major objective of the program is "to contribute to a comprehensive nationwide program of mining and mineral research having regard for the protection and conservation of the environment."

Faculty Appointments. Dr. Gary reviewed the number of new appointments and reappointments to the faculty as follows:

October 13, 1978
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<thead>
<tr>
<th>Name</th>
<th>Title/Role</th>
<th>Compensation</th>
</tr>
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<tbody>
<tr>
<td>Frederick B. Bart</td>
<td>Instructor in Humanities and Social Sciences</td>
<td>$15,000</td>
</tr>
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<td>Betty Jo Cannon</td>
<td>Instructor in Humanities and Social Sciences</td>
<td>15,000</td>
</tr>
<tr>
<td>JoAnn T. Hackos</td>
<td>Part-time Instructor in Humanities and Social Sciences (fall semester)</td>
<td>5,625</td>
</tr>
<tr>
<td>David L. Hector</td>
<td>Associate Professor of Basic Engineering</td>
<td>22,500</td>
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<tr>
<td>Mary L. Larsgaard</td>
<td>Librarian</td>
<td>16,500</td>
</tr>
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<td>Harry I. McHenry</td>
<td>Adjunct Assistant Professor of Metallurgical Engineering</td>
<td>no compensation</td>
</tr>
<tr>
<td>Paul S. Pederson</td>
<td>Part-time Instructor in Mathematics (fall semester)</td>
<td>4,000</td>
</tr>
<tr>
<td>H. Gary Pippin</td>
<td>Visiting Assistant Professor of Chemistry and Geochemistry</td>
<td>15,200</td>
</tr>
<tr>
<td>Raj Sharma</td>
<td>Part-time Instructor in Chemical and Petroleum-Refining Engineering</td>
<td>3,000</td>
</tr>
<tr>
<td>Edmond W. Smathers</td>
<td>Adjunct Assistant Professor of Basic Engineering</td>
<td>22,500</td>
</tr>
<tr>
<td>Craig W. Van Kirk</td>
<td>Associate Professor of Petroleum Engineering</td>
<td>22,500</td>
</tr>
<tr>
<td>Kent J. Voorhees</td>
<td>Assistant Professor of Chemistry and Geochemistry (spring semester)</td>
<td>8,750</td>
</tr>
<tr>
<td>Cooper Wayman</td>
<td>Adjunct Senior Lecturer in Environmental Science</td>
<td>no compensation</td>
</tr>
<tr>
<td>Reappointments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richard Bain</td>
<td>Visiting Assistant Professor of Chemical and Petroleum-Refining Engineering</td>
<td>no compensation</td>
</tr>
<tr>
<td>Marcy M. Barge</td>
<td>Part-time Instructor in Mathematics</td>
<td>4,000</td>
</tr>
</tbody>
</table>

October 13, 1978
Charles W. Berry  
Adjunct Professor of Mineral Economics  
(fall semester)  
$1,650

Albert E. Burke  
Visiting Professor of Geology  
35,000

Samuel S. Goldich  
Adjunct Professor of Geology  
(fall semester)  
1,000

Charles P. Griswold  
Part-time Instructor in Chemical and Petroleum Refining Engineering  
6,250

Asa'ad A. Mubarak  
School Physician and Head of Medical Department  
19,740

George T. Sisson  
Laboratory Assistant in Department of Chemistry and Geochemistry  
1,333.33 mo.

Catherine A. Skokan  
Adjunct Assistant Professor of Geophysics  
7,750

David G. Wirth, Jr.  
Adjunct Associate Professor of Metallurgical Engineering  
(fall semester)  
1,800

Monthly Financial Reports. Mr. Scott made available copies of reports as follows: Budget Report as of September 30, 1978; Investment Summary as of October 10, 1978; and the CERI Budget as of September 30, 1978. Mr. Scott said his staff continues to experiment with additional reports in an effort to give the Board more information in a manner which will be helpful but not cumbersome.

Mr. Stockmar reported that the CSM Foundation committee on investments will be meeting within the next week or two to review investments for the Foundation and reminded the Board members that the committee is also charged with responsibility for CSM investments. He added that as of the present time there is still a leaning toward the maintenance of a strong cash position.

Enrollment. Dr. Gary reviewed the final enrollment figures, calling attention to the stability of the total number of new students even though the total enrollment has risen. Selected figures are:

October 13, 1978
In answer to a question from President McBride, Dr. Gary reported that there is an item in the 1979-80 budget request of $100,000 to increase the freshman sciences laboratory space to a total of approximately 600 stations, thus to permit increasing new student intake and the achieving of the desired 3000 enrollment.

In answer to a question from Mr. Maytag, President McBride stated that a preliminary study had been made as requested by the Legislature on the effect of charging foreign students full-cost tuition. The subject has not been a matter of active interest on the part of the Legislature or other institutions during the past year, but the report remains at hand should interest be revived.

**Colorado Energy Research Institute.** President McBride introduced Mr. Martin Robbins, Director, who was in attendance to give the Board the first of periodic general reports on the Institute. He reviewed the mission, the goals, and some of the questions which are becoming evident, e.g. as a provider of information and policy research can the role of apparent advocate be avoided? Mr. Robbins said CERI has been striving to maintain objectivity but feels that there will be a natural consequence, particularly in some cases, of information provided resulting in conclusions drawn.

Mr. Robbins reported at some length on the educational aspects of the CERI program and expressed confidence in the aim of the program to provide Colorado with leaders in the energy fields. He said the Institute staff is initiating a program to follow up on previous and present holders of scholarships to determine the success of the program.

Following brief discussion of certain financial housekeeping details, the following resolution was adopted:

WHEREAS, the Colorado Department of Administration, Division of Accounts and Control, has issued Fiscal Rules dated January 1, 1978; and

WHEREAS, Chapter Seven, Section 1.12.04 of the said Fiscal Rules defines Department Director as including "the principal persons authorized to act for the governing Boards of Institutions of Higher Education"; and

October 13, 1978
WHEREAS, further provisions of the said Fiscal Rules empower the Department Director to act in behalf of the Governor of the State of Colorado in contract matters; and

WHEREAS, the Board of Trustees of the Colorado School of Mines has, upon the interpretation of the State Assistant Attorney General, deemed the Colorado Energy Research Institute is a part of the Colorado School of Mines for the benefit and use of the Colorado Energy Research Institute; and

WHEREAS, it is deemed desirable for the Director of the Colorado Energy Research Institute to be empowered to act as Department Director in those contract matters directly affecting the Colorado Energy Research Institute but limited to lease and/or building maintenance agreements; equipment and service procurement contracts under $2,000; research consulting agreements under $10,000, and further that in all other contracts for the use and benefit of the Colorado Energy Research Institute; the President of the Colorado School of Mines shall act as Department Director. Therefore be it:

RESOLVED, by the Board of Trustees of the Colorado School of Mines, that the Director of the Colorado Energy Research Institute, or in his absence, the Deputy Director, hereby be designated as the principal person authorized to act for the Board in matters of contract which directly affect the operations and mission of the Colorado Energy Research Institute; but limited to lease and/or building maintenance agreements; equipment and service procurement contracts under $2,000; research consulting agreements under $10,000 and further, that in all other contracts for the use and benefit of the Colorado Energy Research Institute, the President of the Colorado School of Mines shall act as Department Director.

President McBride asked the members of the Board how often they wish to receive a report on the activities of CBRI. It was the consensus that a yearly report will be appropriate but that time will be given to policy questions as they arise.

Future Graduate, Profile. Dr. Rex Bull entered the meeting to give a report on the future graduate study since the July Keystone meeting. He said the report had been modified as a result of the Keystone conference and that the amended report was the main topic of the faculty conference held on August 28, 1978. Since that time a new committee has been elected, and a target date of February 1979 has been set for the final report. A beginning of implementation planning by April 1979 is hoped for.

Dr. Hunter Swanson, a member of the committee who was attending the meeting, asked the Board members to have lunch with members of the faculty committee before the November 10 meeting of the Board (which has been changed to begin at 1:00 p.m.). Several individual Board members expressed a desire to do so.

October 13, 1978
Presidential Professorship. President McBride reported that work has begun on the selection of the next Presidential Professor. In answer to a question, he said enrollment in classes taught by the present Presidential Professor has not been up to expectation, but this was in part due to our handling of the new appointment and enrollment can be expected to increase during the second semester.

Selection of Medalists. President McBride asked for directions on preparations to be made for the selection process for 1979 recipients of medals. After some discussion, it was agreed that the procedure will remain as in previous years with President McBride heading a working committee to report to the Board sub-committee, which may at discretion then review all nominee files before the full Board receives the original or amended report.

Colorado Association of Governing Boards. Mr. Stockmar asked the Board for instructions on the matter of Mines' attitude toward and membership in the CAGB. As an example of the actions of the core membership of CAGB, Mr. Stockmar reported that he had received a copy of a "draft paper" bearing the name of Mr. Gordon Scott as one of the "preparers" when in fact Mr. Scott had not attended the meeting at which the paper had been prepared. Mr. Stockmar has agreed to host a meeting of CAGB in his office at which time the main item on the agenda will be the governance of higher education in Colorado.

There followed a discussion of whether an organization such as being discussed and formulated will best serve higher education in Colorado and whether such an organization will best serve the Colorado School of Mines. Reference was made to the request of CAGB, relayed to the July 14 meeting of the Mines Board, that the Board approve and subscribe to the charter and bylaws of CAGB. On motion properly made and seconded, the Board declined to do so, thus indicating its judgment that CAGB as now formulated does not serve the best interests of higher education generally or of CSM in particular.

The Board further expressed a desire to let the record show that it is appreciative of the interest and support shown by the legislative and executive branches of the State of Colorado and does not in any way wish adversely to affect the existing relationships.

The meeting adjourned at 11:30 a.m.

October 13, 1978

Secretary
Golden, Colorado
November 10, 1978

The Board of Trustees met in regular session at 1:00 p.m., November 10, 1978 in the Board Room of the Colorado School of Mines.


Absent: Mr. Grynberg.

Mr. Wilson presided.

Also attending the meeting were President McBride, Vice Presidents Gary, Scott, and Welles, various staff members and a representative of the press.

Previous Minutes. The minutes of the meeting of October 13, 1978 were approved as distributed.

Faculty Appointments. Dr. Gary reviewed the new appointments as follows:

Caroline Stoessinger
Adjunct Associate Professor of Humanities and Social Sciences

Glenn E. Handwerk
Adjunct Professor of Chemical and Petroleum-Refining Engineering (fall semester)


Rotating Chairmanship. Mr. Wilson stated he had this item on the agenda because he did not know the origin of the concept; although he likes the idea he felt he needed more information on it. Mr. Stockmar gave a brief history of the origin and stated as President of the Board he is satisfied with rotation of the chairmanship which also allows the scheduled chairman to place on the agenda items in which he has a particular interest. However, he noted that he had reserved the right, as President, to place necessary items on the agenda.

Mr. Coors said he liked the rotation because it required each Trustee to get more personally involved, at least when his turn came to chair the meeting.

No change was made.

November 10, 1978
Mining and Mineral Resources Institute. President McBride recalled that at the last meeting word had just been received that $270,000 will be available from the Department of the Interior under the Surface Mining Control and Reclamation Act of 1977. Time had not permitted full details at that time, but Dr. Wang and Dr. Gary are now able to give more information.

The program funded by this award will be called the Mining and Mineral Resources Research Institute and will be under the direction of Dr. Fun-Den Wang. The staff will come primarily from our faculty, with a few persons from the faculty of CSU. The purpose of the Institute is "... to plan and conduct and/or arrange for a component or components of the college or university with which it is affiliated to conduct competent research, investigations, demonstrations, and experiments of either a basic or practical nature, or both, in relation to mining and mineral resources and to provide for the training of mineral engineers and scientists through such research, investigations, demonstrations, experiments, and training...".

Dr. Wang explained the details of the program, saying that there will be $160,000 available for fellowships and scholarships in addition to the $110,000 for administration. Dr. Copeland spoke to the subject of scholarships and fellowships available under the program and said that the selection process will begin next spring for entrance in the fall of 1979.

ROT C. Colonel Howe was in attendance to bring the Board up to date on the ROTC program. As approved by the Board at the meeting on April 7, 1978, entering freshmen were allowed to choose between a freshman Basic Engineering course and a Military Science course. Of entering freshmen, 478 chose Military Science, and since only nine enrolled in the Basic Engineering course, the BE course was cancelled and the nine are presently in the Military Science course.

Colonel Howe said the sophomore enrollment is 160 and the junior enrollment is eight. He said, however, the staff reduction has been rescinded and we shall still have six officers on the staff next year. It was confirmed that we have been released from evaluation, and it was noted the military staff is making great efforts to recruit students into ROTC.

Recruiting into upperclass status has been seriously hampered by student perception of conflict with career requirements, particularly conflict with the required officers' basic training course.

Capital Construction Budget, 1979-80. Mr. Scott had made available copies of the Capital Construction Budget Request and summarized the needs for the 1979-80 fiscal year. He called attention to specific items such as the amount of $1,266,000 which represents our best judgment of the amount necessary to provide accessibility of facilities to handicapped students. Attention was also called to the amount of $100,000 requested for planning boiler plant conversion. There was some discussion on this conversion but it was agreed generally that the School should assume a leadership role in the use of coal in this coal producing state.
Aside from the capital construction budget, Mr. Schwartzberg expressed concern on the low level of engineering faculty salaries due to the fact we cannot convince the legislature of our need for a standard engineering budget. He said other universities in the state with engineering departments can use their large liberal arts divisions to average out salaries paid to engineering staff, but we cannot do that due to the small number of non-engineering faculty.

Budget Hearing. President McBride reported that the CSM budget hearing will be on December 7 at a time not yet specified. Mr. Schwartzberg expressed the hope that all members will be able to attend because he thought the large attendance last year demonstrated the great interest and concern.

Alumni Futures Conference. Mr. Welles reported on the conference held on October 20 among the representatives of the Alumni Association, the CSM Foundation, and the Board and administration of the CSM. The purpose of the conference was to chart the future of the Mines Alumni Association and to consider in what ways the ties and the cooperation among the three organizations affect this future.

Mr. Welles noted that it was a useful meeting conducted in a spirit of goodwill to explore how best the organizations can serve the School and the alumni and what functions should be performed. Mr. Welles said a committee was to be appointed to continue the work begun that day.

Associated Students Incorporation. President McBride stated that the minutes of the Board meetings show that in May of 1933 the Board sanctioned the request of the student body to incorporate. The incorporation had elapsed through inadvertance, and the present student body officers wish to again file incorporation papers.

Upon motion made, seconded, and unanimously passed the Board reaffirmed the earlier endorsement of the incorporation of the Associated Students of the CSM, but did not approve the details of the papers presented, leaving that duty to proper administrative officials.

Interim Financing. Mr. Scott distributed a schedule (copy attached) of estimated cash requirements for building projects through August 1979 which showed deficits of $78,090 for December, $267,077 for January, etc. totaling approximately $809,000 for the period ending next March.

Mr. Scott said the request for support was presented to the CSM Foundation Board on November 7. After some discussion there, the request was tabled pending discussion by this Board as to its attitude toward these cash obligations. The CSM Foundation Board wished the Trustees to take cognizance of the near term pressure on its available funds. It has been pointed out that if the CSMP commits the entire $288,000 unrestricted funds it now holds, all other projects without specific support must be denied funding.
There was considerable discussion of the causes and effects of the present problem with financing and methods of handling it.

Mr. Maytag suggested that the administration be requested to begin negotiations immediately with Boettcher and Company for the $800,000 specifically, with the understanding that the funds will have to be "rolled over". He suggested also that for the approximately $600,000 negotiations should begin with banks for a loan and we should consider pledging whatever is available to pledge.

It was moved, seconded, and unanimously passed that the CSM Board make known these two plans to the CSMF Board, and Mr. Scott was instructed to begin the negotiations proposed.

Mr. Stockmar appointed a committee to study the problem and make recommendation for approval of Board. The committee is made up of Mr. Scott, Mr. Stockmar, Mr. Coors, and someone to be appointed from the CSMF by Mr. James Link, President.

Colorado Association of Governing Boards. Mr. Stockmar reported on a meeting held in his office on November 9 last of representatives of other college and university boards, who are attempting to form an organization. He said as instructed at the last meeting, he had declined to commit our Board to any formal organization but had tried instead to encourage cooperation on an informal basis. Mr. Stockmar said he had made a strong statement that it was a mistake to form an adversary organization and if the group insisted upon forming such an organization he would come back to this Board and totally disavow it. Mr. Stockmar said he had told them we will cooperate on an informal basis in the exchange of information but not on a basis antagonistic toward CCHE and the legislature.

ATO. Mr. Scott reported that the Attorney General has filed a motion to dismiss the lawsuit against the School filed by ATO and noted further that condemnation proceedings are progressing with a hearing for immediate possession set for December 15. Mr. Stockmar recommended to all that, as in any other lawsuit in which one is involved, no comment should be made.

It was pointed out that the home association is the entity filing the lawsuit and that we have no quarrel with the ATO members. It appears to be a matter of the home association not recognizing as long as 15 years ago the problem of adequate housing for the fraternity with due regard to the long-range plans of the School. It was generally regretted that individual fraternity members are being forced to vacate their house without satisfactory alternatives.

The meeting adjourned at 3:45 p.m.
Revised November 8, 1978

**SCHEDULE OF ESTIMATED CASH REQUIREMENTS**

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<tr>
<th>Project</th>
<th>Total</th>
<th>1978 Spent thru 9/30</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>1979 Jan</th>
<th>Feb</th>
<th>March</th>
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<th>May</th>
<th>June</th>
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<td>Land Acquisition</td>
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<td></td>
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<td>225,000</td>
<td>255,000</td>
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<td>40,000</td>
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<td>800,000</td>
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<td>Brown Hall</td>
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<td>28,362</td>
<td>22,173</td>
<td>241,857</td>
<td>11,834</td>
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<td>Library Addition</td>
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<td>Dorm Equity</td>
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<td>215,243</td>
<td>180,224</td>
<td>283,533</td>
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<tr>
<td>Balance for Equity</td>
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<td>90,274</td>
<td>28,362</td>
<td>247,173</td>
<td>496,857</td>
<td>267,077</td>
<td>180,224</td>
<td>283,533</td>
<td>800,000</td>
<td></td>
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</tr>
</tbody>
</table>

**Available Resources**

| CSMF Allocated                | 408,790 | 90,274 | 28,362 | 247,173 | 42,981 |      |      |      |      |      |      |      |        |
| CSM Local Gift                | 375,786 |        |        |        |        | 375,786 |      |      |      |      |      |      |        |
| Unfunded                      | 1,608,924 |      |      |      |      |      |      |      |      |      |      |      | (78,090) (267,077) (180,224) (283,533) |

Unfunded Does not include $288,000 potentially available from CSMF.
The Board of Trustees met in regular session at 9:00 a.m., December 8, 1978 in the Board Room of the Colorado School of Mines.


Absent: Messrs. Grynberg, Maytag, and Schwartzberg.

Mr. Coors presided.

Also attending the meeting were President McBride, Vice Presidents Gary, Scott, and Welles, various staff members and a representative of the press.

Previous Minutes. The minutes of the meeting held on November 10, 1978 were approved as distributed.

Faculty Appointments. Dr. Gary reviewed the new appointments as follows:

- P. Stanley Jacobsen
  Adjunct Associate Professor of Mining Engineering (fall semester)
  $ 500

- W. Richard Moore
  Assistant Professor of Geology
  (spring semester)
  8,750

- Robert J. Weimer
  Getty Professor, effective 1978-79
  academic year

Monthly Financial Reports. Mr. Scott made available the CERI Budget Report as of November 30, 1978, CSM Budget Report as of November 30, 1978, CSM Investments Summary as of December 5, 1978, and the Consolidated Board Report for the five months ending November 30, 1978. This last report has been revised in an attempt to provide more useful information.

Admissions Report. Dr. Gary reviewed the admissions report as of December 1, 1978, saying we are receiving approximately the same number of applications as this time last year but we are processing them a little faster.

Acceptance of Class on December 21, 1978. Mr. Stockmar asked Mr. Coors to accept the class on behalf of the Board at the mid-year graduation on December 21. Mr. Coors agreed to do so.

Alumni House. President McBride reported receipt of a letter from Mr. Don Craig, President of the Alumni Association, in which Mr. Craig mentions possible future use of
Chauvenet Hall by the alumni group. Mr. Craig made no request at this time but stated he will submit recommendations in the future. The Board instructed President McBride to acknowledge the letter and to advise the Alumni Association it will give due and proper attention to such recommendations when and if made.

ATO. Mr. Stockmar stated that since the termination of negotiations with ATO we have received a number of letters from that organization. He stated it should be very clear that we ought not respond to these letters, for negotiations are now between counsel. Asked if the administration is permitted to suggest possible further housing alternatives to the ATO organization, Mr. Stockmar said this is permissible through counsel.

Tax-Sheltered Annuity. Mr. Scott reported that the faculty Personnel Committee has made an investigation into insurance companies which offer the tax-sheltered annuities to institutions of higher education and is recommending that the Travelers Insurance company be added to the list of three others available to faculty and classified personnel.

Upon motion made, seconded, and passed, the Board of Trustees amended the existing policy with regard to tax-sheltered annuities, as set forth in the minutes of the Board meeting of November 12, 1976, by adding "Travelers Insurance Company" following TIAA/CREF in Line 23.

Candidates for Degrees. Distribution was made of lists of candidates for degrees as recommended by the graduate and regular faculties at the meetings held on November 1, 1978 and November 15, 1978, respectively.

Upon motion made, seconded, and unanimously passed, the following were approved to receive the indicated degrees on December 21, 1978, subject to the completion of all academic requirements and continued compliance with school requirements and regulations.

BACHELOR OF SCIENCE (MINING ENGINEERING)


December 8, 1978
BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)
Bender, Lloyd Wayne
Bokan, Sharon Lynn
Fronapfel, Thomas James
Jolk, Richard William
Lanning, Bruce Roy
Martz, Ken P.
McDaniel, William "Scott"
Moore, Harold Allen, II
Nichols, Richard D.
Roth, John George, II
Vandezande, Joseph Alan

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)
Baker, Dale Eugene
Bartels, Edward Roy
Brandon, Douglas Ronald
Coffman, Bryan Scott
Decker, Albert David
Denman, Todd Austin
Goodrich, Janice Dayle
Klein, Wendy Anne
Knapp, Thomas Aitchison
Martin, Laurence Gene
Meaux, Duane Edward
Mikesell, Tony Frank
Pieters, Dennis Anthony
Poole, Loren Douglas
Schneider, Rhys David
Scott, Robert Bruce
Sturgis, George Andrew, Jr.
Sutherland, Robert Bruce
Swartz, Sonia
Towler, Chris Dee

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)
Ahmad, Tariq Imran
Apande, Emmanuel Alobwede
Dern, Michael James
Harris, Billy Wayne
Johnson, Raymond David
Pease, Mark L.
Reinart, Michael Rae
Sotack, Gary Paul
Stoddard, Thomas Fred
Walker, Eric John
Westgaard, Michael Arden
Willie, David Lee

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)
Bloomstran, Mary A.
Broacha, Earuch Firoze
Cleary, Jay Dee
Clouse, Frank Duane
Conrad, David Eugene
Finlay, Howard Bradley
Graeme, William Scott
Johnson, Jeffrey Jay
Marques, Anthony D.
Norman, Barry Wade
Powers, Kim Dwight
Rinehart, Richard Jay
Sisk, Susan Diane
Stefansen, Jeff Bryant
Willard, Harry Lee

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)
Bergman, Christian Robert
Boyce, Richard Grigg
Gilmore, Gerald Cary
Krudwig, Mark Carleton
Osantowski, Dennis L.
Peterson, Robert James
Silk, William Anthony, Jr.
Stewart, Duff Clinton

GEOPHYSICAL ENGINEER
Silk, William Anthony, Jr.

BACHELOR OF SCIENCE (MINERAL ENGINEERING CHEMISTRY)
Armstead, Catherine Ellen

BACHELOR OF SCIENCE (MINERAL ENGINEERING MATHEMATICS)
Ruebush, John Charles

December 8, 1978
BACHELOR OF SCIENCE (MINERAL ENGINEERING PHYSICS)

Havens, Roy John
Haynie, Kenneth Clare

Meine, William Frederick
Pompea, Daniel John
Walgrove, George Robert, III

BACHELOR OF SCIENCE (MINERAL ENGINEERING)

Barton, Nathan Alan
Cohen, David L
Elkington, Robert Scott
Green, Dan Frank

Hurd, Jarvis Davis
Samitier, Antonio Johanet
Teclentien, Bruce W.
Williams, Rebecca Dechant
Witte, Steven Joseph

MINERAL ENGINEER

Welsh, Lee Ann

MASTER OF SCIENCE (MINING ENGINEERING)

Hanna, Kanaan
Heydari, Mir Nassir

MASTER OF SCIENCE (METALLURGY)

Powell, John Walter

MASTER OF SCIENCE (METALLURGICAL ENGINEERING)

Bates, Donald A.
Carmona N., Enrique L.
Indacochea B., Jorge Ernesto
Jones, Kevin David

Kustas, Frank Mark
Leach, Peter William
Materkowsi, James Paul
Obermeyer, Henry Karl
Schupmann, R. Gordon

MASTER OF SCIENCE (GEOLOGY)

Aranda-Gomez, Jose Jorge
Gallagher, James Russell Lowell
Langston, David James
Lindstrom, Linda Jane

Mergner, Marcia
Robinson, James E.
Ruiz de la Pena Horcasitas, Gerardo
Turner, Dennis L.

MASTER OF SCIENCE (PETROLEUM ENGINEERING)

Lebsack, James S.

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Dharmawardhana, Paathiyage Bennett
Hegarty, Michael Joseph
Kavianian, Hamid Reza

Ponte, Diogenes Maclas
Serçe, Mustafa
Sondergard, Steven Eric
Tabah, George Tangwan

MASTER OF ENGINEERING (GEOPHYSICAL ENGINEER)

Lin, Kuo-An

December 8, 1978
MASTER OF SCIENCE (GEOPHYSICS)

Andersen, Henrik Toft
Bremner, Douglas Lloyd
Buchanan, Paul Clarence
Handley, George E.

Miller, John J.
Story, Kenneth R.
Welsh, Elliston Robert
Zeisloft, Timothy D.

MASTER OF SCIENCE (GEOPHYSICAL ENGINEERING)

Brown, David Wayne
Erickson, Daniel S.
Kalwihura, Stephen Joseph

MASTER OF SCIENCE (GEOCHEMISTRY)

Halla, Marilyn Margaret
Peterson, Michael John

Rozelle, John W.
Zuccaro, Bruce

MASTER OF SCIENCE (MATHEMATICS)

Moldenhauer, Philip Alan

MASTER OF SCIENCE (PHYSICS)

Goebel, George Robert
Killian, Kendrick L.

MASTER OF SCIENCE (MINERAL ECONOMICS)

Besozzi Bruschi, Lucia M.
Briceno Ramirez, Pablo Jose
Egbert, Darryl John
Everhart, Douglas Leslie

Harr, Cynthia J.
Henderson, James R.
Martin, Randall Kenneth
Rivero Acosta, Arturo Jose
Steckley, Robert C.

DOCTOR OF PHILOSOPHY (METALLURGY)

de Matos, Marcelo

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING)

Rising, Thomas Leonard

DOCTOR OF PHILOSOPHY (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Chang, Oliver Kwein-Ren
Knecht, Robert Douglas

Omid. Gholam-Hossein
Phelps, Robert E.
Thakkar, Vasantkumar Pragji

DOCTOR OF PHILOSOPHY (GEOPHYSICS)

Peterson, Steven Douglas

DOCTOR OF PHILOSOPHY (MINERAL ECONOMICS)

Hutabarat, Hamonangan
Malhotra, Depak

Rogers, S. Phillips
Taylor, Graham C.
JBC Hearing. President McBride reported that we had made our annual budget presentation to the Joint Budget Committee on December 7. Copies of the presentation material were made available. President McBride stated he regarded budget preparation and presentation as one of the most important tasks handled by the administration and indicated that it is taken very seriously by him and by the staff, who each has different responsibilities in discharging this obligation. He stated he hoped the Board members will have the time to read the written budget presentation.

Mr. Welles reviewed some of the specific questions raised by JBC members at the hearing, i.e. "Is there an adequate student loan program so that students from lower income families can attend? (in connection with the discussion of possible tuition increases)"); "Why is there such a high faculty and staff FTE assigned to the Athletic Department?"; "How well do transfer students perform?"; "Are students aware of the subsidy by the state?". Mr. Welles said he planned to address the last question.

Interim Financing. Mr. Stockmar, discussing the immediate cash flow problem, reviewed the fact that the CSM Foundation Board took no action on appropriating funds to meet the immediate needs pending a commitment from the CSM Board regarding its intentions on meeting the shortfall. Mr. Stockmar said the committee formed to study the problem has yet taken no action to borrow funds. Mr. Coors repeated his willingness to sign a note, and Mr. Stockmar said he will proceed with negotiations with a Denver bank for the money.

Relationship of CSM-CSMF. There followed a general discussion of the relationship between CSM and CSMF. Mr. Stockmar stated that even though the CSMF exists for the sole purpose of furthering the aims and purposes of the School, under Colorado statute the Foundation must be recognized as a completely separate organization. He said we (the Trustees) do have in place a Gifts Committee whose function is to make sure that the School does not accept any gift that is inconsistent with the School's obligations and missions. He said, however, that many gifts whose purpose and account assignment are unclear come into the Foundation and that he recommends also that the CSMF appoint a Gifts Committee. The possible desirability of a single committee composed of representatives of both boards was mentioned.

The communications problem was discussed, and Mr. Wilson suggested it would be helpful to the CSMF Board if an extended long-term agenda of needs is established to furnish that board with a sense of direction. There seemed to be a lack of an over-all view, especially by members of the Foundation board who are not members of this Board.

Quarterly joint meetings were suggested, and this proposal met with approval.

The meeting adjourned at 10:45 a.m.

Secretary

December 8, 1978