within plans for future development approved by Mines, Mines at its sole option may withdraw such portion of the Premises from coverage under this lease. Mines shall give Museum at least 30 days' prior written notice of the legal description of any land withdrawn. Exhibit A to this lease shall be deemed to have been amended by the deletion of such land on the effective date of the withdrawal.

18. Assignment and Subletting.
   a. Neither Mines nor Museum shall assign this lease or any interest herein without the prior written consent of the other party.
   b. Museum shall not sublet all or any portion of the Premises or any improvements located thereon without the prior written consent of Mines.

19. Inspection. Museum shall allow Mines and its representatives to enter the Premises at any reasonable hour for the purposes of inspecting the Premises and performing obligations of Museum hereunder which Museum has failed to perform. This section shall not impose upon Mines any responsibility for the repair, maintenance or supervision of the Premises.

20. Corporation Meetings. During the term of this lease, a representative designated by Mines shall have the right to attend all meetings of Museum and any of its committees or other subgroups, including without limitation planning meetings and meetings of officers and the Board of Directors. Museum shall give Mines notice of all such meetings as far in advance as practical, but inadvertent failure to so notify shall not be a default under this lease.

21. Purposes. Exhibit B attached hereto is a true copy of the objects and purposes of Museum as set forth in its Articles of Incorporation, as amended on June 14, 1978. Museum shall not change, modify or amend the provisions set forth in Exhibit B without the prior written consent of Mines, which consent shall not be unreasonably withheld.
22. **Organization.** Prior to execution of this lease, Mines has approved the basic organization of Museum, including personnel structure, financial control mechanisms and bylaws, and program plans for operation of a museum on the Premises. Museum shall not change any of the approved items without the prior written consent of Mines.

23. **Indemnity.** Museum shall indemnify, defend and hold Mines harmless from and against any and all liabilities, penalties, damages, costs, expenses (including reasonable attorneys' fees), claims, suits and actions due to or arising out of this lease agreement, the rights and obligations of Museum hereunder, or Museum's use of the Premises, including without limitation any violation or nonperformance of any obligation of Museum hereunder and any damage to property or injury to persons (including death) caused by an accident on, in or under the Premises or any improvements thereon.

24. **Events of Default.** Each of the following events shall be a default hereunder:

a. Museum shall not commence construction of improvements on the Premises within two (2) years from the date of this lease;

b. Museum shall cease, after completion of construction, to actively operate a museum on the Premises, or shall close such museum to the public, for a period in excess of 300 days in any twelve-month period;

c. Museum shall lose its status as a Colorado non-profit corporation in good standing, unless Museum shall cure or initiate proceedings to contest such loss of status within 60 days, and shall diligently pursue such proceeding to successful completion;

d. Museum shall lose or be denied a federal tax exemption under section 501(c)(3) of the Internal Revenue Code, as amended, unless Museum shall cure or initiate proceedings to contest such loss of status within 60 days, and
shall diligently pursue such proceeding to successful comple-
tion;

e. Museum shall be involved in financial
difficulties as evidenced by admitting in writing its inabil-
ity to pay debts as they become due; making an assignment of
all or a substantial part of its property for the benefit of
its creditors; seeking or consenting to or acquiescing in the
appointment of a receiver or trustee for all or a substantial
part of its property or of the Premises; the filing of a
voluntary petition in bankruptcy or under any insolvency law
by Museum; the involuntary filing of such a petition, which
is not set aside at the earliest time permitted by applicable
statutes and regulations; or the entry of a final court order
appointing a receiver or trustee for all or a substantial part
of Museum's property;

f. Museum shall neglect or fail to perform or
observe any of the agreements, obligations or covenants to
be performed or observed by Museum hereunder and Museum
shall fail to remedy the same within 30 days after written
notice from Mines specifying such neglect or failure (or,
if the default is of such a nature that it cannot be cured
within 30 days, within such period as may be reasonably
required to cure such default, provided that Museum commences
to remedy such default within the 30-day period and proceeds
with all due diligence thereafter to cure such default).

25. Remedies Upon Default. Upon the occurrence of
an event of default, Mines shall have the following rights
and remedies in addition to all other remedies at law or
equity, and none of the following, whether or not exercised
by Mines shall preclude exercise of any other remedy.

a. Mines shall have the right to immediately
terminate this lease by giving Museum written notice. Upon
the giving of such notice, this lease and the term hereof
as well as all rights of Museum hereunder shall wholly cease

-10-
and expire, without the necessity of re-entry or any other act on the part of Mines. Notwithstanding any such termination of this lease, Museum shall be liable to Mines for all amounts due to Mines pursuant to this lease.

b. Mines may, without demand or notice, re-enter and take possession of the Premises or any part thereof and expel Museum (forcibly, if necessary) without being deemed guilty of any manner of trespass and without prejudice to any remedies for breach of this lease.

c. Without terminating this lease or re-entering the Premises, Mines may sue for all sums at any time and from time to time required to be paid by Museum hereunder.

26. **Personal Property.** If this lease is terminated pursuant to section 24 or 25, all personal property belonging to Museum and located on the Premises shall become the property of Mines. Museum agrees to execute and deliver to Mines any documents which may be necessary to evidence transfer of title to such property to Mines. It is understood by Mines that personal property belonging to third parties may be located on the Premises, and title to such property shall not vest in Mines. Upon such termination, Museum shall notify such third parties that they have 90 days to remove such property from the Premises.

27. **Termination.** After completion of construction of a museum building on the Premises, Museum may terminate this lease by giving Mines six months' prior written notice.

28. **Surrender.** Upon the expiration or other termination of this lease, Museum shall immediately quit and surrender the Premises and all improvements thereon to Mines broom clean, in good order and condition, ordinary wear and tear excepted. If title to Museum's personal property shall not have passed to Mines, Museum shall remove all such personal property from the Premises by the date of termination. Except for personal property owned by third parties, all personal property not so removed shall be conclusively deemed
to have been abandoned and may be disposed of by Mines in any manner it sees fit.

29. Waiver. No failure of Mines to enforce the provisions of this lease shall be construed as a waiver of any provision of this lease. No provisions of this lease shall be deemed to have been waived by Mines unless such waiver is in writing signed by Mines.

30. Force Majeure. Should any event or condition beyond the control of Mines or Museum make impossible (not merely difficult) performance of any of that party's obligations hereunder, that party shall be excused from performance of such particular obligation until such time as performance becomes possible.

31. Approvals. Any approval given by Mines under this lease shall not constitute an indication, representation or warranty of the correctness, sufficiency or legality of any plans, drawings, specifications, or documents for any purpose whatsoever except the fulfillment of certain of Museum's obligations under this lease.

32. General Provisions.
   a. This agreement shall be governed by and construed under the laws of the State of Colorado.
   b. This agreement shall not be deemed valid until it has been approved by the controller of the State of Colorado or such assistant as he may delegate.
   c. This agreement contains the entire agreement between the parties, and can be modified only by an instrument in writing executed by both parties.
   d. Nothing in this agreement shall be construed as indicative of or establishing an agency relationship between the parties. No agent, employee or servant of Museum shall be or shall be deemed to be an agent, employee or servant of Mines or the State of Colorado.

33. Notices. All notices required or permitted by this agreement shall be hand delivered or mailed by registered
or certified mail, postage prepaid, addressed as follows:
If to Mines:

Board of Trustees
Colorado School of Mines
1500 Illinois Street
Golden, Colorado 80401

If to Museum:

The National Mining Hall of Fame
and Museum
Suite 330
Denver Hilton Office Bldg.
1515 Cleveland Place
Denver, Colorado 80202

All notices shall be effective upon delivery and receipt
therefor.

IN WITNESS WHEREOF, the parties have executed this
Option to Lease as of the date first set forth above.

ATTEST: BOARD OF TRUSTEES OF THE
COLORADO SCHOOL OF MINES

__________________________________________
By_____________________________________

Secretary
(SEAL)

STATE OF COLORADO )
) ss.
COUNTY OF __________ )

The foregoing instrument was acknowledged before me
this _____ day of __________, 1979, by __________________
and __________________, as President and __________________
Secretary, respectively, of the Board of Trustees of the Colo-
rado School of Mines, on behalf of such Board.

Witness my hand and official seal.

__________________________
Notary Public

My commission expires:

__________________________

-13-
APPROVED:
Controller of the State of Colorado

By__________________________
Assistant Controller

ATTEST:

THE NATIONAL MINING HALL
OF FAME AND MUSEUM

By__________________________
Douglas V. Watrous
President

(S E A L)

STATE OF COLORADO )
) ss.
COUNTY OF _____________ )

The foregoing instrument was acknowledged before me
this _____ day of ___________, 1979, by Douglas V. Watrous
and ____________________, as President and ________________
Secretary, respectively, of The National Mining Hall of Fame
and Museum, a Colorado non-profit corporation, on behalf of
such corporation.

Witness my hand and official seal.

____________________________________
Notary Public

My commission expires:

____________________________________
OPTION TO LEASE

THIS AGREEMENT, dated this ______ day of _________, 1979, is between the Board of Trustees of the Colorado School of Mines ("Mines") and The National Mining Hall of Fame and Museum, a Colorado nonprofit corporation ("Museum").

RECITALS

A. Museum desires to construct and operate a public mining museum and mining achievement recognition center.

B. Mines desires to have such a museum located near its campus and desires to lease to Museum certain property owned by Mines for such a museum.

AGREEMENT

In consideration of ten dollars and other valuable consideration, receipt of which is hereby acknowledged by Mines, the parties agree as follows:

1. Grant of Option. Subject to the terms and conditions of this agreement, Mines grants to Museum an option to lease the real property described in Exhibit A attached hereto and made a part hereof (the "Premises").

2. Term of Option.
   a. Museum's option to lease shall be for a period of five (5) years commencing on the date of this agreement, unless sooner terminated pursuant to section 5 of this agreement.
   b. This Option to Lease shall terminate one year from the date hereof if Museum does not have cash in hand, immediately negotiable assets, or pledges totalling $150,000 and such amounts have been dedicated exclusively to the purposes of raising funds for, and constructing and operating a museum located on the Premises. Such pledges shall be substantially in the form of Exhibit A attached hereto and incorporated herein, and shall be from persons with the financial ability to meet the pledge.
3. **Conditions Precedent to Exercise.** Museum shall have the right to exercise its option to lease only upon proof satisfactory to Mines that all of the following conditions have been fulfilled:

   a. Museum shall have cash in hand, immediately negotiable assets or pledges totalling $5,000,000, and shall have dedicated such amount exclusively to the purposes of constructing and operating a museum located on the Premises. Such pledges shall be substantially in the form of Exhibit A and shall be from persons with financial ability to meet the pledge.

   b. Mines shall have approved comprehensive design development and land use plans for the Premises, and complete construction plans, drawings and specifications for all improvements to be located on the Premises, and detailed program plans for operation of a museum on the Premises. Such plans shall, at a minimum, conform to the standards promulgated by the American Museum Association and any applicable building, zoning, safety and handicapped access requirements of the City of Golden and the State of Colorado.

   c. Mines shall have approved a five-year budget for the construction and operation of a museum on the Premises, which budget shall show in detail the anticipated sources of income, expenses, and contingency reserves.

   d. Mines shall have approved the basic organization of Museum, including personnel structure, financial control mechanisms and bylaws.

4. **Procedures for Approval.** The following procedures shall apply to approvals by Mines required under section 3 of this option to lease:

   a. Museum shall submit to Mines, at any time or from time to time, any item which requires Mines' approval. Mines shall approve or disapprove each such item in writing within sixty (60) days after Mines' receipt of the item. Any disapproval shall describe with particularity deficiencies to be corrected. If Mines shall fail to give written notice of disapproval within the 60-day period described
above, Mines shall be deemed to have approved that item.

b. Disapproved items may be revised and resubmitted by Museum. The procedures set forth in section 4(a) shall apply to resubmittals.

c. Unless agreed to in writing by Mines, Museum shall make no material changes or alterations in any item approved by Mines.

d. Mines shall not unreasonably withhold its approval, provided, however, that incompatibility with the goals, purposes, architectural standards, construction practices, and standards of fiscal responsibility of Mines shall be deemed reasonable grounds for disapproval.

e. When Museum believes that all conditions precedent have been satisfied, it shall request Mines to issue a final acceptance acknowledging that all required approvals have been obtained (either by written acceptance of by Mines' failure to disapprove). Within twenty (20) days of the receipt of such request, Mines shall notify Museum either that all conditions precedent have been satisfied, or that specified conditions remain unfulfilled.

f. Any approval given by Mines shall not constitute an indication, representation or warranty of the correctness, sufficiency or legality of any plans, drawings, specifications, or documents for any purpose whatsoever except the fulfillment of conditions precedent to Museum's exercise of this option.

5. Exercise of Option. Museum may exercise its option to lease by giving written notice to Mines within sixty (60) days after receipt of final acceptance issued by Mines pursuant to section 4(e). If Museum shall fail to exercise its option within such 60-day period, this option agreement shall immediately terminate and Museum shall have no further rights under this agreement.

6. Form of Lease. Upon valid exercise of this
option to lease, Museum and Mines shall promptly execute a lease of the Premises substantially in the form of Exhibit B attached hereto and made a part hereof.

7. **Right-to-Investigate.** During the period this option agreement is in effect, Museum and its agents shall have the right to enter the Premises, but solely for the purpose of investigating the suitability of the Premises for construction of a museum. Such investigation may include but shall not be limited to foundation test boring, soil sampling, surveying, and geological mapping and reconnaissance. Museum, at its sole cost, shall promptly repair, to the satisfaction of Mines, any disturbance to the Premises caused by Museum during or as a result of site investigations. Museum's obligation to repair shall survive any termination of this agreement.

8. **Indemnification.** Except for a challenge to Mines' right to enter into this option to lease, Museum shall indemnify, defend and hold Mines harmless from and against all claims, actions, losses, damages and costs (including reasonable attorney's fees) arising out of or related to this option agreement and the rights and obligations of Museum hereunder.

9. **Corporate Meetings.** During the term of this option, a representative designated by Mines shall have the right to attend all meetings of Museum and any of its committees or other subgroups, including without limitation planning meetings and meetings of officers and the Board of Directors. Museum shall give Mines notice of all such meetings as far in advance as practical, but inadvertent failure to so notify shall not be a default under this option to lease.

10. **Purpose.** Exhibit C attached hereto is a true copy of the objects and purposes of Museum as set forth in its Articles of Incorporation, as amended on June 14, 1979. Museum shall not change, modify or amend the provisions set forth in Exhibit C without the prior written consent of Mines, which consent shall not be unreasonably withheld.
11. **Assignment.** Neither party may assign all or any part of this option to lease without the prior written consent of the other party.

12. **General Provisions.**
   a. This agreement shall be governed by and construed under the laws of the State of Colorado.
   b. This agreement shall not be deemed valid until it has been approved by the controller of the State of Colorado or such assistant as he may delegate.
   c. This agreement contains the entire agreement between the parties, and can be modified only by an instrument in writing executed by both parties.
   d. Nothing in this agreement shall be construed as indicative of or establishing an agency relationship between the parties. No agent, employee or servant of Museum shall be or shall be deemed to be an agent, employee or servant of Mines or the State of Colorado.

13. **Notices.** All notices required or permitted by this agreement shall be hand delivered or mailed by registered or certified mail, postage prepaid, addressed as follows:

   If to Mines:
   
   Board of Trustees
   Colorado School of Mines
   1500 Illinois Street
   Golden, Colorado 80401

   If to Museum:
   
   The National Mining
   Hall of Fame and Museum
   Suite 330, Denver Hilton Office Building
   1515 Cleveland Place
   Denver, Colorado 80202

   All notices shall be effective upon delivery and receipt therefor.

   **IN WITNESS WHEREOF,** the parties have executed this option to lease as of the date first set forth above.

   **ATTEST:**

   **BOARD OF TRUSTEES OF THE COLORADO SCHOOL OF MINES**

   ________________________________
   Secretary

   (S E A L)
STATE OF COLORADO } ss.
COUNTY OF __________)

The foregoing instrument was acknowledged before me this _____ day of __________, 1979, by ____________________
and ____________________, as President and ____________
Secretary, respectively, of the Board of Trustees of the
Colorado School of Mines, on behalf of such Board.
Witness my hand and official seal.

__________________________
NOTARY PUBLIC

My Comm. Exp.:

__________________________
APPROVED:
Controller of the State of Colorado

By:______________________________
    Assistant Controller

ATTEST:

THE NATIONAL MINING HALL
OF FAME AND MUSEUM

______________________________
Secretary

______________________________
By:
    Douglas V. Watrous
    President

(S E A L)

STATE OF COLORADO       )
) ss.
COUNTY OF __________)

The foregoing instrument was acknowledged before me this _____ day of ________, 1979, by Douglas V. Watrous
and ____________________, as President and ______________
Secretary, respectively, of the National Mining Hall of Fame
and Museum, a Colorado nonprofit corporation, on behalf of
such corporation.

Witness my hand and official seal.

______________________________
NOTARY PUBLIC

My Comm. Exp.:
In substitution of the regular meeting, the Board met in the Arapahoe Room of Keystone Lodge, Keystone, Colorado, on July 14, 1979 at 1:00 p.m.


Absent: Mr. Coors.

Mr. Wilson presided.

Also attending the meeting were President McBride, Vice Presidents Gary, Scott, and Welles, representatives of the press, and others.

Previous Minutes. The minutes of the meeting held on June 8, 1979 were approved as distributed.

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

Thomas L. Davis
Assistant Professor of Geophysics
(spring semester) $10,225

JoAnn T. Hackos
Assistant Professor of Humanities & Social Sciences 16,500

James M. Lockhart
Assistant Professor of Physics
(spring semester) 8,500

David J. Spottiswood
Associate Professor of Metallurgical Engineering 26,000

John E. Warme
Professor of Geology 30,000

Ronald V. Wiedenhoeft
Associate Professor of Humanities & Social Sciences 23,000

At the conclusion of the presentation, President McBride commended Dr. Gary and the Department Heads on the strength of the qualifications of the new appointees. The Board concurred in the commendation.

Dr. Gary reported that Dr. George V. Keller has been granted a leave of absence without pay for the 1979-80 academic year.

Dr. Gary reported other changes as follows: Dr. Phillip R. Romig has been appointed Acting Department Head July 14, 1979
of the Geophysics Department in addition to his appointment as Associate Professor in that department; Dr. Oded Rudawsky has been appointed Assistant Department Head of the Mineral Economics Department for the 1979-80 academic year in addition to his appointment as Associate Professor in that department; and Mr. Paul T. Treece has been appointed Assistant Professor of Mathematics for the 1979-80 academic year in addition to his appointment as Manager of the Computing Center.


Admissions Report. Dr. Gary presented the Admissions Report and stated that with an expected class of 500 new freshmen and 125 transfer students, admissions are closed. Upon withdrawals, additional candidates from the waiting lists are admitted. Counseling is being provided to those wishing to begin their education at another institution and transfer to Mines. Discussion followed concerning the existence of or need for an advance financial commitment by prospective new students. Currently, only a housing deposit is required. Based on past experience, a very high percentage of those who confirm their plans to enter Mines actually do so. It was agreed that in the light of new higher tuition rates, there may arise a need for an advance financial commitment of some type. The administration agreed to monitor the admissions experience closely.

1979-80 Budget. Mr. Scott presented the 1979-80 budget for approval, pointing especially to the inadequate appropriation for utilities. Discussion followed. It was agreed that a supplemental request for additional utility funds would be prepared and documented. It was moved and seconded that the proposed budget in the amount of $21,976,333 be approved, including specific authority for the administration to make transfers of funds between line items as required for the proper operation of the School. Motion carried.

1980-81 Budget Parameters. Mr. Scott introduced the following budget parameters prepared for the Board's consideration:

1. Enrollment. The fall headcount for 1980-81 is estimated to be 2,780 students (2,854 FTE). The total fiscal year 1980-81 estimate is 2,939 student FTE. The percent of resident and non-resident students for the 1980-81 academic year is 75.0 percent and 25.0 percent, respectively.

2. Faculty Salary Increase. The requested increase shall be 23.6 percent. This is based on the goal to move the average engineering faculty salary from sixth from the bottom to third from the top in the annual survey of colleges and universities offering programs in mineral engineering (conducted by the South

July 14, 1979
Dakota School of Mines). The above salary increase is also based on the intent of CSM to obtain the average contract salary for non-engineering faculty comparable to the projected average CU salaries in these respective programs. The Association of Public College and University Presidents (APCUP) is currently in the process of developing an equitable method of establishing faculty salary increases. If this task is completed in time for the 1980-81 Request, it is recommended that the APCUP formula be used in lieu of the above 23.6 percent increase.

3. Additional Faculty. The request for additional faculty will be based on the budgeting formula developed by APCUP.

4. Graduate Assistants. The request for graduate assistants for 1980-81 will be based on a faculty/graduate assistant ratio of 5.6 to 1. The current 1979-80 ratio is 7.1 to 1.

5. Resident Instruction - Other Support Staff. The request for Other Support Staff will be based on a faculty/other support staff ratio of 3.5 to 1. Currently the ratio is 4.4 to 1 which is unrealistically high.

6. Hourly Wages. Student wage rates will be increased from the current fiscal year average rate of $3.00 per hour to $3.25 per hour. This increase is based on the requirements of the Federal Minimum Wage Act and its relationship to the federal Work-Study Program.

7. Travel. A request will be made for travel funds in the amount of $300 per faculty FTE.

The request for summer field camp travel is in the amount of $23,555. This will be reflected as a separate request item.

8. Instructional Supplies and Expense. The request for Instructional Supplies and Expense shall be increased 32.5 percent over the 1979-80 Appropriation ($380,345 compared to $286,951).

9. The library request for staff and learning materials will be based on budgeting formula developed by the Presidents' Association (APCUP).

10. General Administration/General Institutional. The following additional FTE shall be requested:

<table>
<thead>
<tr>
<th>Department</th>
<th>FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Services</td>
<td>1.0</td>
</tr>
<tr>
<td>Office of Res. Serv./EMI</td>
<td>4.5</td>
</tr>
<tr>
<td>V.P. Planning &amp; Dev.</td>
<td>2.0</td>
</tr>
</tbody>
</table>

July 14, 1979
11. Student Services. The following additional FTE shall be requested:
   Co-op Education Director
   Co-op Secretary
   Typist (Registrar's Office)
   Typist (Financial Aid -- .5 FTE)
   Typist (Dean of Students Office)

12. Data Processing. Computing Center: A request shall be made for two exempt, senior consultants for increased support to the instructional and research programs. Additional staff also includes a software programmer, scientific programmer, and a third shift computer operator.

Administrative Data Processing: No additional personnel are requested at this time.

13. Physical Plant. The Physical Plant request for staff shall be based on the budgeting formula developed by the Presidents' Association (APCUP).

14. Capital Outlay. A request of $880,410 (plus office furniture for new staff) is to be made to compensate for the abnormally low funding in the past.

15. Tuition. The following academic year tuition rates are in effect for 1979-80:
   Resident - undergraduate $693
   Resident - graduate 727
   Nonresident - undergraduate 3,672
   Nonresident - graduate 3,839

   Cost per student calculations indicate that the nonresident tuition rates should not increase, however due to the recommended budget increases reflected above (Items 1-14) several tuition alternatives follow:

<table>
<thead>
<tr>
<th></th>
<th>No Increase</th>
<th>5% Increase</th>
<th>7% Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident - undergraduate</td>
<td>693</td>
<td>728</td>
<td>742</td>
</tr>
<tr>
<td>Resident - graduate</td>
<td>727</td>
<td>763</td>
<td>778</td>
</tr>
<tr>
<td>Nonresident - undergraduate</td>
<td>3,672</td>
<td>3,856</td>
<td>3,929</td>
</tr>
<tr>
<td>Nonresident - graduate</td>
<td>3,839</td>
<td>4,031</td>
<td>4,108</td>
</tr>
</tbody>
</table>

Discussion centered on Item 15, proposed tuition rates. The Board was informed that based on the previously established criteria which related educational costs to tuition rates there would be no justification for tuition increase for nonresident students. The demand for an accurate estimate of tuition income, coupled with the realistic expectation that a tuition increase would be imposed, resulted in a motion to base next year's tuition upon a five percent increase for both resident and nonresident.
students. Motion was seconded and carried.

It was then moved and seconded that Items 1 through 14 of the budget parameters be approved as proposed. During discussion which followed, the President reminded the Board that there might be resistance to and even resentment of a request budget which called for a significant percentage increase. He further stated that, even so, it was his belief the School should present such a budget, continuing our established record of presenting a standard engineering school budget. Motion carried.

Administrative Salary Schedule. The 1979-80 administrative salary schedule was deferred until Executive Session for discussion as a personnel matter.

Faculty Handbook. President McBride presented the revised Faculty Handbook for approval of the Board. He highlighted changes from the existing edition. Dr. Gary was asked to present the section dealing with transitional appointments and did so. Discussion followed. At the conclusion of the discussion it was moved that the handbook be approved with the exception of the lead sentence in Paragraph (2) C on Page 2-10 dealing with burden of proof. The wording of this paragraph will be reworked and presented for subsequent approval of the Board. Motion carried.

Scholarship Discrimination Complaint. The President informed the Board of an HEW scholarship discrimination complaint and briefly reviewed the actions taken by the School in response. Materials are being prepared for use during an HEW review. Additional informal assistance is being provided by counsel from the firm of Bradley, Campbell and Carney in Golden. Progress will be reported in future Board meetings.

Academic Leave. Dr. Gary presented a request on behalf of Professor Stanley Guralnick for leave for the academic year at one-half pay. He explained that such a request would normally be made in December but that Dr. Guralnick was to receive additional funding from the National Science Foundation and that final word on that grant would not be available until August 1. It was pointed out there were two other such leaves in effect for the coming year and that granting Dr. Guralnick's request would be within the established guidelines for the number of such leaves. It was moved and seconded that the academic leave be granted. Motion carried.

Governor/Mines Trustee Meeting. The President informed the Board of the meeting to be held with the Governor July 27 to discuss items of interest to CSM. In addition, he provided a list of possible agenda items. Discussion followed.

The President also notified the Board that on July 26 there would be a one-day budget conference called by the Governor to discuss preparation of budgets, the problems of declining enrollment, re-direction of students, and faculty productivity.
Interim Warrants, New Dormitory. Mr. Schwartzberg introduced a resolution authorizing issuance of
dormitory and student center revenue anticipation warrants
in the principal amount of $4,525,000. Mr. Stockmar moved
that the resolution be adopted, and Dr. Pogarty seconded
the motion. The resolution, appended, was adopted unanimously.

EMI Building. Mr. Stockmar reported briefly that
he had been successful in interesting Mr. Al Cohen in con-
structing a building for use by the Earth Mechanics Institute
and other research activities. Mr. Cohen would be willing
to rent such a building to the School and is waiting contact
by School personnel to discuss the matter in greater detail.
President McBride asked that Mr. Scott and Dr. Golden initiate
such a meeting.

At 3:15 p.m. the meeting recessed to allow executive
session. At 4:00 p.m. the meeting reconvened.

Administrative Salaries. It was moved, seconded, and
passed that administrative salaries be as shown in the
subtended table.

<table>
<thead>
<tr>
<th>Name</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austin R. Brown, Jr.</td>
<td>$35,400</td>
</tr>
<tr>
<td>Director of Computing Center and Professor of Mathematics</td>
<td></td>
</tr>
<tr>
<td>Harold R. Cheuvront</td>
<td>20,600</td>
</tr>
<tr>
<td>Registrar</td>
<td></td>
</tr>
<tr>
<td>Bernetta Conrey</td>
<td>19,500</td>
</tr>
<tr>
<td>Departmental Assistant</td>
<td></td>
</tr>
<tr>
<td>W. D. Copeland</td>
<td>38,700</td>
</tr>
<tr>
<td>Dean of the Graduate School and Professor of Metallurgical Engineering</td>
<td></td>
</tr>
<tr>
<td>Catharine S. Cross</td>
<td>17,700</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Harry W. Emrick</td>
<td>31,600</td>
</tr>
<tr>
<td>Associate Professor of Basic Engineering &amp; Director of Continuing Education</td>
<td></td>
</tr>
<tr>
<td>Elsie Christine Ericson</td>
<td>16,200</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Carl A. Fawcett</td>
<td>25,100</td>
</tr>
<tr>
<td>Director of Housing, Student Center, and Green Center</td>
<td></td>
</tr>
<tr>
<td>James H. Gary</td>
<td>51,400</td>
</tr>
<tr>
<td>Vice President for Academic Affairs and Dean of the Faculty</td>
<td></td>
</tr>
<tr>
<td>Leanne Gibson</td>
<td>17,500</td>
</tr>
<tr>
<td>Public Information Officer</td>
<td></td>
</tr>
<tr>
<td>John O. Golden</td>
<td>40,300</td>
</tr>
<tr>
<td>Professor of Chemical and Petroleum-Refining Engineering and Dean of Research Development</td>
<td></td>
</tr>
</tbody>
</table>

July 14, 1979
<table>
<thead>
<tr>
<th>Name</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>William A. Ingels</td>
<td>$22,500</td>
</tr>
<tr>
<td>Budget Officer</td>
<td></td>
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<tr>
<td>Leonard L. Johnson</td>
<td>22,200</td>
</tr>
<tr>
<td>Business Services Officer</td>
<td></td>
</tr>
<tr>
<td>Mary Larsgaard</td>
<td>16,200</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Andrew M. Lopez</td>
<td>19,000</td>
</tr>
<tr>
<td>Affirmative Action/Contract Review Officer</td>
<td></td>
</tr>
<tr>
<td>Barbara MacDonald</td>
<td>15,500</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Warren J. Mason</td>
<td>22,500</td>
</tr>
<tr>
<td>Director of Financial Aid</td>
<td></td>
</tr>
<tr>
<td>Guy T. McBride, Jr.</td>
<td>62,000</td>
</tr>
<tr>
<td>President</td>
<td></td>
</tr>
<tr>
<td>Virginia A. McGinnis</td>
<td>12,712</td>
</tr>
<tr>
<td>Assistant Museum Curator</td>
<td></td>
</tr>
<tr>
<td>Charles S. Morris</td>
<td>24,600</td>
</tr>
<tr>
<td>Director of Public Relations</td>
<td></td>
</tr>
<tr>
<td>Asaad A. Mubarak</td>
<td>21,000</td>
</tr>
<tr>
<td>School Physician and Head of Medical</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td></td>
</tr>
<tr>
<td>Judith O’Brien</td>
<td>21,000</td>
</tr>
<tr>
<td>Personnel Officer</td>
<td></td>
</tr>
<tr>
<td>Robert W. Pearson</td>
<td>23,300</td>
</tr>
<tr>
<td>Business Manager, Department of Athletics</td>
<td></td>
</tr>
<tr>
<td>Hartley K. Phinney, Jr.</td>
<td>34,600</td>
</tr>
<tr>
<td>Director of the Library</td>
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</tr>
<tr>
<td>Jon W. Raese</td>
<td>21,000</td>
</tr>
<tr>
<td>Director of Publications</td>
<td></td>
</tr>
<tr>
<td>Anne R. Reynolds</td>
<td>6,900</td>
</tr>
<tr>
<td>Assistant Director of Housing and Head</td>
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<tr>
<td>Resident of Twin Towers Hall</td>
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<tr>
<td>David W. Satterley</td>
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<tr>
<td>Data Processing Officer</td>
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<tr>
<td>W. Gordon Scott</td>
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<tr>
<td>Vice President for Business Affairs</td>
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</tr>
<tr>
<td>Margaret Smart</td>
<td>20,500</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Gregory K. Staff</td>
<td>18,400</td>
</tr>
<tr>
<td>Director of Cooperative Education and</td>
<td></td>
</tr>
<tr>
<td>Placement</td>
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</tr>
<tr>
<td>Fred C. Stair</td>
<td>13,400</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
</tbody>
</table>

July 14, 1979
Richard Sudermann  $30,500
   Director of Plant Facilities

Paul T. Treece  23,000
   Manager, Computing Center and Assistant
   Professor of Mathematics

John G. Welles  49,800
   Vice President for Institutional Planning
   and Development

A. William Young  22,800
   Director of Admissions

The Board took cognizance of the presumed impact
of Long Bill Footnote 85c, which provides that no person in
higher education having a salary in excess of $38,800 for
1978-79 be granted any increase in total compensation for
1979-80. It is apparent that there are some salaries estab-
lished by the above motion that do not conform to the footnote.
In regard to such salaries, the Board undertook to decide at
its September 1979 meeting whether or not the established
salary increases could be paid, taking into account its
careful appraisal of the real sense of the legislature.

Persons affected by this situation are to be noti-
fied of the salaries established and of the fact that it
may or may not be possible ultimately to pay according to
the new salary schedule.

The meeting adjourned at 4:15 p.m.

[Signature]
Secretary

July 14, 1979
Goldenn, Colorado
September 14, 1979

The Board of Trustees met in regular session at 9:00 a.m., September 14, 1979 in the Board Room.


Also attending were President McBride, Vice Presidents Scott and Welles, and various staff members.

President McBride introduced Ms. Kathy Rahm, Editor of the 1978-79 Prospector, who presented individual copies of the publication to the Board members. The Board members accepted the copies and expressed appreciation.

Student member, Douglas Aab, took the oath of office as a new member of the Board.

Previous Minutes. The minutes of the July 14, 1979 meeting were approved as distributed.

New Faculty Appointments. Dean Copeland reviewed the new appointments to the faculty as follows:

Diane Brown
Boettcher Librarian, 12-month contract
$14,500

John C. Emerick
Adjunct Senior Lecturer (no salary, but $300 for travel expense)

Daniel R. Frelund
Accounting Officer, 12-month contract
22,000

Terence L. Klein
Part-time Instructor, Geology Department
2,700

Terence K. Young
Visiting Assistant Professor, Geophysics Department
20,000

Reappointments

Marcy Barge (fall semester salary)
Part-time Instructor, Mathematics Department
6,300

Jay D. Burch
Visiting Instructor, Physics Department (fall semester)
6,955

Robert F. Drake
Visiting Assistant Professor, Chemistry & Geochemistry Department
17,200

September 14, 1979
Record of Proceedings

Samuel S. Goldich
Adjunct Professor, Geology Department

Richard J. Krantz
Instructor, Physics Department

$14,000

Alan L. Liby
Adjunct Assistant Professor, Metallurgical Engineering Department (fall semester)

2,100

Charles E. Lienert
Visiting Assistant Professor, Mineral Economics Department

20,000

Mark W. Ljungvall
Instructor, Basic Engineering Department

13,830

William E. Marlatt
Adjunct Professor, Environmental Sciences

3,300

Harry I. McHenry
Adjunct Assistant Professor, Metallurgical Engineering Department

no compensation

Stephen M. McKenna
Instructor, Basic Engineering Department

14,360

Jerome G. Morse
Adjunct Associate Professor, Physics Department

1,500

H. Gary Pippin
Visiting Assistant Professor, Chemistry & Geochemistry Department

16,300

Cooper Wayman - 51% of EPA salary of $44,520
Adjunct Senior Lecturer, Environmental Sciences

David G. Wirth
Adjunct Associate Professor, Metallurgical Engineering (fall semester)

2,400

John L. Wray
Adjunct Professor, Geology Department

no compensation

Administrative Changes. President McBride reported that due to the resignation of Dr. Gary several changes in the administrative staff are necessary and are recommended for Board concurrence.

Dr. William M. Mueller, presently Head of the Department of Metallurgical Engineering, is appointed Vice President for Academic Affairs and Dean of the Faculty, at a salary of $52,500.

Dr. William D. Copeland, presently Dean

September 14, 1979
of the Graduate School, is being appointed Head of the Department of Metallurgical Engineering at a salary of $34,000 (including a $2,000 annual increment for serving as Department Head).

Dr. John O. Golden, presently Dean of Research Development, is being appointed Dean of Graduate Studies and Research at a salary of $42,500.

President McBride stated that these salaries are, in his opinion, reasonable and fair in view of the salary history of those involved. He said further that these appointments have been made after in-depth discussion of implementation of the Future Graduate Profile and that he feels confident the implementation process will be effected immediately and will proceed along rational lines. He said he will be absent at the next faculty meeting but he will leave a letter to be read to the faculty about the changes in administration.

Upon motion made, seconded, and passed, the Board concurred in above changes.

Upon motion made, seconded, and passed, the Board expressed appreciation to Dr. Gary for his outstanding service as Vice President and Dean of Faculty and regret that due to circumstances beyond its control Dr. Gary was leaving the administration.

A discussion ensued of the intermediate and long-term effects of the salary limitation footnote, present appointments excepted, and members of the Board expressed concern that those within the State who control the purse strings are moving the State toward mediocrity and noted that it is desirable that anyone in a position to express concern do so in strong terms.

Monthly Financial Reports. Mr. Scott presented the monthly financial reports: Consolidated Board Report for two months ending August 31, 1979; Budget Report as of August 31, 1979; CERI Budget Report as of August 31, 1979; and the Investment Summary as of September 12, 1979.

Enrollment Report. Dean Nyikos reviewed the preliminary fall enrollment summary, calling attention to the total of 2817 - 2359 males and 458 females, 71.4 percent being residents.

Dean Nyikos called attention to a memorandum from Mr. Young giving the characteristics of the freshman class. The memo cited the high ACT and SAT scores and the fact that 57 percent of the freshmen had ranked in the upper 10 percent of their high school class.
Faculty Handbook. President McBride stated that the sentence on page 2-10 of the book which had caused some question at the July meeting had been deleted after thorough discussion with Mr. Stockmar. Copies of the new edition were made available to the members of the Board. President McBride stated that he was satisfied that the book as published reflected the will of the Board as expressed at the last meeting.

Teaching Faculty Salary Schedules. President McBride reported that the salaries as shown on the schedules are already in effect and that they are being presented for information. He stated that the salaries reflect the 6-1/2 percent average compensation increase authorized by the legislature, some being greater than 6-1/2 percent in an attempt to give merit increases. Obviously with only that amount of increase, it was not possible to do much.

Upon motion made and seconded, the Board unanimously approved the teaching faculty salaries as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>John F. Abel</td>
<td>Professor of Mining Engineering</td>
<td>$27,870</td>
</tr>
<tr>
<td>Charles S. Aldrich</td>
<td>Instructor in Petroleum Engineering</td>
<td>14,920</td>
</tr>
<tr>
<td>R. Bruce Allison</td>
<td>Professor of Physical Education and Head of Department of Physical Education (A.D.)</td>
<td>32,400</td>
</tr>
<tr>
<td>William R. Astle</td>
<td>Associate Professor of Mathematics</td>
<td>23,340</td>
</tr>
<tr>
<td>William A. Averill</td>
<td>Assistant Professor of Metallurgical Engineering</td>
<td>19,980</td>
</tr>
<tr>
<td>Henry A. Babcock</td>
<td>Professor of Basic Engineering</td>
<td>33,400</td>
</tr>
<tr>
<td>Charles R. Baer</td>
<td>Assistant Professor of Mathematics</td>
<td>18,800</td>
</tr>
<tr>
<td>Robert W. Baldwin</td>
<td>Assistant Professor of Chemical and Petroleum-Refining Engineering</td>
<td>19,120</td>
</tr>
<tr>
<td>Frederick B. Bart</td>
<td>Instructor in Humanities and Social Sciences</td>
<td>16,110</td>
</tr>
<tr>
<td>Daniel M. Bass</td>
<td>Professor of Petroleum Engineering and Head of Department</td>
<td>34,560</td>
</tr>
<tr>
<td>Ramon E. Bisque</td>
<td>Adjunct Professor of Chemistry and Geochemistry (40% basis)</td>
<td>12,940</td>
</tr>
</tbody>
</table>

September 14, 1979
Ardel J. Boes
Associate Professor of Mathematics and Head of the Department
$27,160

Emmy Booy
Assistant Professor of Geology
20,680

Joan N. Brooks
Assistant Professor of Civil Engineering
18,910

James T. Brown
Professor of Physics
24,080

W. Rex Bull
Professor of Metallurgical Engineering
27,890

Thomas R. Bultman
Assistant Professor of Geology
17,240

Paul Burgardt
Assistant Professor of Physics
16,530

Jerrold J. Burnett
Professor of Physics
25,010

David L. Butler
Associate Professor of Geophysics
21,440

Nicholas P. Callas
Associate Professor of Mathematics
21,310

Betty Jo Cannon
Instructor in Humanities and Social Sciences
16,050

Debra Carnell
Assistant Professor of Basic Engineering
16,220

Edward F. Cecil
Assistant Professor of Physics
17,460

W. John Cieslewicz
Associate Professor of Humanities & Social Sciences and Associate Professor of Mineral Economics
19,720

L. Graham Closs
Assistant Professor of Geology
18,560

John A. Cordes
Assistant Professor of Mineral Economics
19,870

Richard S. Culver
Professor of Basic Engineering
23,760

Stephen R. Daniel
Associate Professor of Chemistry
22,230

James Darden
Associate Professor of Physical Education and Athletics
23,920

September 14, 1979
Joseph E. Davies  
Professor of Physical Education and Athletics  
$24,150

Richard H. Devoto  
Professor of Geology  
$25,460

Dean W. Dickerhoof  
Professor of Chemistry  
$24,790

Donald I. Dickinson  
Associate Professor of English  
$23,410

Philip F. Dickson  
Professor of Chemical and Petroleum-Refining Engineering and Head of Department  
$35,080

Glen R. Edwards  
Professor of Metallurgical Engineering  
$25,810

Kenneth W. Edwards  
Associate Professor of Chemistry  
$19,600

Rudy C. Epis  
Professor of Geology  
$32,110

Robert R. Faddick  
Professor of Basic Engineering  
$23,410

Joseph J. Finney  
Professor of Geology and Head of Department  
$33,250

Robert S. Fisk  
Assistant Professor of Mathematics  
$19,330

S. Dale Foreman  
Professor of Basic Engineering  
$24,680

Robert H. Frost  
Instructor in Metallurgical Engineering  
$15,500

Charles O. Frush  
Professor of Mining Engineering  
$20,400

James H. Gary  
Professor of Chemical and Petroleum-Refining Engineering  
$42,000

Richard D. Gauthier  
Associate Professor of Basic Engineering  
$25,320

Donald W. Gentry  
Professor of Mining Engineering  
$28,350

Michael S. Graboski  
Assistant Professor of Chemical and Petroleum-Refining Engineering  
$18,100

L. T. Grose  
Professor of Geology  
$31,180

September 14, 1979
Charles R. Groves
Associate Professor of Basic Engineering

Stanley M. Guralnick
Associate Professor of Humanities and Social Sciences

Raymond R. Gutzman
Professor of Mathematics

Frank A. Hadsell
Professor of Geophysics

J. P. Hager
Professor of Metallurgical Engineering

John W. Hancock
Associate Professor of Physical Education and Athletics

Peter E. Hartley
Assistant Professor of Humanities and Social Sciences

John D. Haun
Professor of Geology

Douglas W. Hilchie
Associate Professor of Petroleum Engineering

Carl L. Hilts
Associate Professor of Chemistry

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

John A. Hogan
Associate Professor of English

Gregory S. Holden
Assistant Professor of Geology

Ralph C. Holmer
Professor of Geophysics

Matthew J. Hrebar
Assistant Professor of Mining Engineering

Joan R. Hundhausen
Assistant Professor of Mathematics

William A. Hustrulid
Professor of Mining Engineering

Robert M. Hutchinson
Professor of Geology

September 14, 1979
J. Tracey James
Assistant Professor of Physical Education and Athletic Trainer $17,610

Warren E. Jamison
Associate Professor of Basic Engineering 24,130

Thys B. Johnson
Professor of Mining Engineering and Head of Department 32,860

James G. Johnstone
Professor of Basic Engineering 31,040

Michael C. Jones
Associate Professor of Chemical and Petroleum-Refining Engineering 21,400

Leonard A. Kalal
Associate Professor of Philosophy 22,820

Alexander A. Kaufman
Associate Professor of Geophysics 26,210

Marvin Kay
Associate Professor of Physical Education and Athletics and Head Football Coach 21,910

Thomas E. Kelley
Assistant Professor of Mathematics 16,110

George H. Kennedy
Professor of Chemistry and Head of the Chemistry & Geochemistry Department 27,080

Harry C. Kent
Professor of Geology 33,250

Arthur J. Kidnay
Professor of Chemical and Petroleum-Refining Engineering 28,350

John V. Kline
Professor of Physics 25,880

Ronald W. Klusman
Professor of Chemistry 27,170

Charles Kohlhaas
Associate Professor of Petroleum Engineering 26,500

George Krauss
AMAX Foundation Professor of Physical Metallurgy 32,760

Donald Langmuir
Professor of Geochemistry 32,860

William B. Law
Associate Professor of Physics 22,740

September 14, 1979
Keenan Lee  
Professor of Geology  
$24,340

Fred Leffler  
Associate Professor of Electrical Engineering  
22,980

J. D. Lubahn  
Professor of Basic Engineering  
25,190

George B. Lucas  
Professor of Chemistry  
31,550

Patrick MacCarthy  
Associate Professor of Chemistry  
18,100

Earl K. Madsen  
Adjunct Associate Professor of Mineral Economics  
3,475

Maurice Major  
Professor of Geophysics  
34,260

Donald C. B. Marsh  
Professor of Mathematics  
23,730

Scott J. Marshall  
Associate Professor of Basic Engineering  
25,670

James W. Martin  
Professor of Basic Engineering  
28,140

Gerard P. Martins  
Associate Professor of Metallurgical Engineering  
26,400

Jean P. Mather  
Professor of Mineral Economics  
35,450

Frank S. Mathews  
Professor of Physics  
26,850

David K. Matlock  
Associate Professor of Metallurgical Engineering  
24,810

William A. Mattingly  
Assistant Professor of English  
16,160

Ruth A. Maurer  
Assistant Professor of Mineral Economics  
16,110

Robert W. McAllister  
Professor of Physics  
25,240

Robert S. McCandless  
Associate Professor of Physical Education and Athletics  
19,650

September 14, 1979
Michael B. McGrath
Chief Consultant, Computing Center &
Associate Professor of Basic Engineering

Willa D. Meylink
Assistant Professor of Physical Education

C. Samuel Miller
Associate Professor of Basic Engineering

B. J. Mitchell
Grace Foundation Professor of Petroleum
Engineering

Fred E. Moore
Professor of Geology

W. Richard Moore
Assistant Professor of Geology

Raymond K. Mueller
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
Professor of Geology

David L. Olson
Professor of Metallurgical Engineering

Michael J. Pavelich
Assistant Professor of Chemistry

Anton G. Pegis
Professor of Humanities and Social Sciences

Harry C. Peterson
Professor of Basic Engineering

Alfred Petrick, Jr.
Coulter Professor of Mineral Economics

Thomas Phillipose
Associate Professor of Humanities and
Social Sciences

George R. Pickett
Professor of Geophysics

Herman Ponder
Professor of Geology

no compensation

September 14, 1979
Robert T. Reeder
Associate Professor of Mining Engineering
$26,580

James M. Riddle
Assistant Professor of Mining Engineering
21,920

Samuel B. Romberger
Associate Professor of Geology
24,170

Philip R. Romig
Associate Professor of Geophysics
25,950

Oded Rudawsky
Associate Professor of Mineral Economics
and Assistant Head of Department
25,090

Arthur Y. Sakakura
Associate Professor of Physics
24,730

A. W. Schlechten
Professor of Metallurgy and Director of
the W. J. Kroll Institute for Extractive
Metallurgy
36,250

Dave Ray Schmitz
Assistant Professor of Mathematics
15,960

William A. Schneider
Professor of Geophysics
34,800

Franklin D. Schowengerdt
Associate Professor of Physics and Head
of Department
24,810

John M. Shannon
Assistant Professor of Geology and
Director of the Geology Museum
17,130

E. Craig Simmons
Assistant Professor of Chemistry and
Geochemistry
16,660

Catherine A. Skokan
Adjunct Assistant Professor of Geophysics
8,250

Maynard Slaughter
Professor of Chemistry
26,920

E. Dendy Sloan
Associate Professor of Chemical and
Petroleum-Refining Engineering
20,220

Richard E. Stapp, Jr.
Associate Professor of Physical Education
and Athletics
21,480

Franklin J. Stermole
Professor of Chemical and Petroleum-
Refining Engineering
29,320

September 14, 1979
Robert J. Taylor  
Assistant Professor of Basic Engineering

John U. Trefny  
Associate Professor of Physics

Robert H. Trent  
Instructor in Mining Engineering

A. Keith Turner  
Associate Professor of Geology

Robert Underwood  
Assistant Professor of Mathematics

David M. Updegraff  
Professor of Geochemistry

Samuel E. Vandiver  
Professor of Humanities and Social Sciences 
and Head of Department

Craig W. Van Kirk  
Associate Professor of Petroleum Engineering

Kent J. Voorhees  
Assistant Professor of Chemistry

Robert A. Walsh  
Professor of Mathematics

Fun-Den Wang  
Professor of Mining Engineering and Head, Earth Mechanics Institute

Douglas W. Waples (fall term)  
Associate Professor of Chemistry

Joseph C. Weber  
Assistant Professor of Mineral Economics

Robert J. Weimer  
Getty Professor (Professor of Geology)

James W. White  
Professor of Geophysics

Thomas R. Wildeman  
Associate Professor of Chemistry

Beatrice E. Willard  
Professor of Environmental Science

John T. Williams  
Professor of Chemistry

Don L. Williamson  
Associate Professor of Physics

September 14, 1979
Robert D. Witters
Professor of Chemistry
$23,790

Robert E. D. Woolsey
Professor of Mineral Economics and Head of Department
34,330

Ching H. Wu
Associate Professor of Petroleum Engineering
22,040

Frank R. Yeatts
Associate Professor of Physics
22,880

Victor Yesavage
Associate Professor of Chemical and Petroleum-Refining Engineering
24,010

Thomas R. Young
Adjunct Assistant Professor of Mining Engineering
3,475

1980 Summer Conference, July 10-13. Mr. Welles reported that the topic suggested for the next summer conference was "Student Life," which will include student activities, admissions, records, food service, social affairs, etc. He said he thought it was of value to have resource people as well as school personnel and student representatives.

Mr. Schwartzberg stated that he thought the subject was worthy of much attention, but he did think that there might well be a report of the progress of the profile study and also a report on the Humanities Department. Mr. Coors said he thought there should be an update on the progress toward our long-range plan - are we on schedule, what are our basic needs, should the table of needs be revised, etc. He said maybe some of our donors and prospects should be invited to attend the summer conference.

Mr. Welles noted all suggestions and stated he will return with a preliminary agenda at a later date.

Resources Communication Center. Dr. Golden reviewed the history and status of the Center. He stated that progress has been slower than had been anticipated and that funding and staffing have been problems. He stated that legislative leaders have been very supportive of work recently done by the Center, and have indicated a desire to fund a series of tapes on Colorado problems. Dr. Golden expressed some concern that should full legislative support be offered and accepted, Mines might be caught in a political crossfire between the legislative and executive branches. After some discussion in which the sensitivities of the situation were noted, it was agreed that we have the technical and production capability to produce useful documentary type films and an obligation to make these capabilities available to the State.

It was moved, seconded, and passed that the administration be authorized to negotiate the video agreement with the legislature, subject to Board review and approval at its October meeting.

September 14, 1979
1980-81 Budget. Mr. Scott reported that after the Board approved parameters at the July meeting, the request had come from the Governor's office for a 1980-81 budget using a straight 7 percent increase. He said his staff has compiled figures both ways and he distributed copies of this analysis. President McBride stated we are asking for approval of the decisions implicit in the budget showing the 7 percent increase - the division among the line items - and stated we shall present both the standard engineering budget and the deviations from it occasioned by the 7 percent limitation to the JBC.

Upon motion made, seconded, and passed, the Board approved the submittal of these two budget requests.

Saturday, May 10, 1980, Commencement. President McBride stated that after due consideration and consultation with alumni officials, Commencement for 1980 has been scheduled for Saturday, May 10.

The Board approved this change.

Gifts Committee. Mr. Coors, acting in his capacity as President of the Board, appointed Messrs. Stockmar, Pascoe, and Wilson to serve as the Board Gifts Committee.

The meeting adjourned at 11:50 a.m.

September 14, 1979
The Board of Trustees met in regular session at 9:00 a.m. in the Board Room following a presentation by the Head of the Department of Physical Education and Athletics, Professor Bruce Allison.


Dr. Fogarty presided.

Also attending the meeting were President McBride, Vice Presidents Mueller and Scott and members of the staff.

Previous Minutes. The minutes of the meeting held on September 14, 1979 were approved as distributed.

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

Mark W. Furlong
Part-time Instructor in Chemical & Petroleum-Refining Engineering (fall semester) $1,500

Jay E. Gillette
Instructor in Humanities & Social Sciences 15,000

Jerald E. Jones
Assistant Research Professor, Metallurgical Engineering 16,000

Mark S. Trasko
Visiting Assistant Professor, Basic Engineering 19,500

Thomas D. Riley
Visiting Assistant Professor, Humanities and Social Sciences (fall semester) 7,750

Karen B. Wiley
Instructor in Humanities and Social Sciences (fall semester) 7,500

Reappointments:

Richard L. Bain
Visiting Assistant Professor of Chemical & Petroleum-Refining (12 months) 24,616

Martin B. Goldhaber
Advisory Scientist, Chemistry and Geochemistry no compensation
Robert D. Hamilton  
Visiting Assistant Professor, Geology  
15,500

Glenn E. Handwerk  
Adjunct Professor, Chemical & Petroleum-Refining  
1,000

Wayne C. Hazen  
Adjunct Professor, Metallurgical Engineering (fall semester)  
(Appointment for spring semester with compensation to be determined by teaching assignment)  
no compensation

Robert D. Knecht  
Adjunct Assistant Professor, Chemical and Petroleum-Refining Engineering (fall semester)  
1,800

Norma F. Law  
Adjunct Assistant Professor of Mathematics (fall semester)  
(Appointment for spring semester with compensation to be determined by teaching assignment)  
4,800

Change in salary:

Paul L. Treece  
Manager of Computing Center and Assistant Professor of Mathematics  
23,000

New Assignments. Dr. Mueller reported to the Board on two changes in the Petroleum Engineering Department, effective January 1, 1980:

Daniel M. Bass  
Kerr-McGee Professor  
36,000

Craig Van Kirk  
Appointed Acting Department Head with $1,000 (per semester) increase in salary


Enrollment Report. Dean Nyikos reviewed the official enrollment figures for Fall 1979, including total headcount of 2845.

During the ensuing discussion of progress toward the 3000 headcount goal, the subject of attrition, which obviously affects enrollment directly, was brought up, and Dean Nyikos agreed to furnish the Board with pertinent facts on attrition here and in comparable institutions. Dean Nyikos will also provide, as available, average total semesters required for undergraduate degrees.

October 12, 1979
Commencement. President McBride informed the Board that there have been several preliminary discussions as to whether the diploma granting ceremony held at the end of the first semester each December should be elevated to a commencement, as nearly as possible, equal to that held in May. He stated he has held some discussion with Mr. Mitchell, Executive Director of the Alumni Association, with regard to involving the alumni to a larger extent in the December ceremony. Mr. Mitchell has supported the proposals by scheduling and promoting an alumni banquet the evening before, as is done prior to the May commencement.

President McBride stated that the discussions addressed such questions as whether there should be a speaker at the December ceremony, whether there should be more, or perhaps full, Board and faculty participation, and whether some or all medals should be presented at the December ceremony. There is an increasing number of degrees being granted in December, and there is understandable pressure from students to make the December ceremony more resemble the May exercises.

Mr. Stockmar expressed some concern that the Distinguished Achievement Medal presentations were not receiving due prominence at the May ceremonies. He thought perhaps we are no longer doing justice to this particular award.

A photograph of the new Mines Medal was shown to the Board members.

It was the consensus that, given this short notice, the administration be instructed to implement changes in the format of the December ceremony to give it more significance. The matter of awarding medals at the December event will be given further consideration, recognizing that it will not be possible this year.

Resources Communication Center. President McBride reminded the Board that at the September meeting there was a discussion of a possible contract with the State of Colorado and that the administration was instructed to come back to the Board for approval of any final arrangements.

Dr. Golden reviewed recent developments: i.e., legislative leaders and the Governor have reached an agreement that the project should be undertaken with financing shared by the legislature, CERI, and possibly the Governor's fund; that a committee of eight review scripts and tapes prior to release; that CSM administer program and have internal review committee to insure program quality; that two or three video-tapes are to be delivered by March 1, 1980.

In the ensuing discussion Mr. Coors expressed the hope that the Board will be able to review each tape before release. The importance of impartiality was stressed, lest the School be branded by a particular label; also we must give attention to competing resources. The entire matter seemed of sufficient importance that a written status report should be submitted to the Trustees in connection with each Board meeting. This the administration agreed to do.

October 12, 1979
Upon motion made, seconded, and passed, the agreement was approved, subject to aforementioned considerations.

The meeting recessed for an executive session, after which it convened and the following actions were taken.

EMI Building. Following a brief report on difficulties with scheduling and costs for the proposed back-campus, EMI "dirty research" building, the Board instructed the administration to persist in reviewing the options to house this research and to report further to the Board at early opportunity.

ATO. Mr. Scott reporting on the outcome of the ATO property evaluation commission meeting, stated that after hearing three days of testimony the condemnation price as of January 1, 1979 had been established as $207,648. Our appraisal had been $120,000 and ATO's appraisal had been $170,000.

The Board instructed the administration to make a specific compromise offer to ATO and to proceed promptly with legal appeal of the $207,648 award if the offer is rejected.

The meeting adjourned at 12:15 p.m.

Secretary

October 12, 1979
Golden, Colorado
November 9, 1979

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


Absent: Mr. Aab.

Mr. Grynberg presided.

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

Faculty Productivity Study. President McBride introduced Dr. Thomas R. Mason, educational management consultant, who had been retained by the Colorado Commission on Higher Education as Project Manager to develop a plan for assessing and increasing faculty productivity in conformance with Footnote 38A of the 1979 long bill. The report is required to be presented to the Education Committees and the Joint Budget Committee no later than January 8, 1980.

Dr. Mason reported on the research he has done on the subject in other states as well as Colorado and stated his conclusion that the formula budgeting for faculty FTE developed by the colleges and universities over a period of several years is a credible method, recognizing particularly that it has been in use by the JBC (in conjunction with a second set of guidelines for FTE enrollment).

It had been recognized from the beginning of the work that measurement of productivity is a very difficult thing, and it was pointed out that the system itself, i.e. the state restrictions upon our autonomy, is damaging our ability to produce; e.g. it is damaging faculty morale which fact in itself is not conducive to high productivity. Dr. Mason stated that he intends to make this point in the final report.

Mr. Grynberg thanked Dr. Mason for his presentation.

Previous Minutes. The minutes of the meeting held on October 12, 1979 were approved as distributed.

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

Charles W. Berry
Adjunct Professor of Mineral Economics
$3,300

Ofiafate Ofrey
Research Associate, Geophysics Department
750 per mo.
(period October 1, 1979 through January 31, 1980)
Monthly Financial Reports. Mr. Scott made available the monthly reports as follows: Consolidated Board Report as of October 31, 1979; CERI Budget, as of October 31, 1979; Budget, CSM, as of October 31, 1979; and the Investment Report as of November 6, 1979.

Mr. Scott reported that we are operating within the accepted financial plan for the 1980 fiscal year.

Resources Communication Center. President McBride stated that in accordance with instructions to the administration at the last meeting, a report will be made each month on progress.

Dr. Golden reported that four staff members have been employed and other additions to the staff are under consideration. The internal review committee has been appointed and four topics are being discussed for the video tape project. After some discussion it was requested that next month there be presented a chart of anticipated progression from then until March 1, 1980.

Budget Presentation. Mr. Martin Robbins reviewed briefly the outline prepared for the yearly budget presentation scheduled for November 19. Mr. Robbins has developed a set of budget figures to emphasize the fact that in constant dollars our budget has decreased since 1971. Mr. Robbins along with other staff members will continue work on the presentation. The hearing is scheduled for 2:30 - 5:00 p.m., November 19.

Campus Plan. Mr. Hideo Sasaki, campus planner and architect, appeared to discuss the progress of our campus development. Mr. Sasaki had been asked to consider particularly the question of using versus demolishing Chauvenet and Stratton Halls when the Mining and Basic Engineering Departments move into Brown Hall in late 1980. He stated that both are usable buildings, that both, perhaps especially Chauvenet, occupy sites which are important to be used for buildings in the long run, and that Stratton is architecturally the more desirable of the two since it is of the proper height and reflects the architecture of Guggenheim Hall. Mr. Sasaki stated that it would not be desirable to demolish Chauvenet and leave the site vacant pending the use of the latter for a future building.

After a brief discussion Mr. Sasaki was thanked, and he excused himself from the meeting.

ATO House Planning. Mr. John Beers, representing the ATO Home Association, appeared and asked the Board for modification of the rules and regulations established for fraternity houses on West Campus Road. He stated the chapter wishes to talk with an architect about a house to accommodate 20-25 men with no housemother quarters and no kitchen and dining facilities. The ATO chapter wishes to build a 5,000 sq. ft. house with intention to add later.

President McBride stated that in his view the elimination of housemother quarters presents no problem in that only a very few fraternities have housemothers now. He said, however, that the other variances did present problems in that we must maintain equity with the other fraternities and also should not set precedent for other variances. Concern was
CERTIFIED RECORD

of proceedings of

BOARD OF TRUSTEES

of

COLORADO SCHOOL OF MINES

authorizing the issuance of its

DORMITORY AND STUDENT CENTER REVENUE ANTICIPATION WARRANTS

IN THE PRINCIPAL AMOUNT OF $4,525,000

DATED JULY 1, 1979

Original signed document in the Office of Vice President for Business Affairs.
The Board of Trustees of Colorado School of Mines convened in regular meeting on the 14th day of July, 1979, at Keystone Lodge, Keystone, Colorado, at 1:00 o'clock p.m., with the following members and officers of the Board present:

President: W. K. Coors
Vice President: Fred R. Schwartzberg
Secretary: James C. Wilson
Assistant Secretary: Monte Pascoe
Assistant Treasurers: Ted P. Stockmar, Jack J. Grynberg, Charles F. Fogarty

with the following members of said Board absent:

President W. K. Coors, Student Trustee Douglas Aab, constituting a quorum of the said Board, at which meeting the following, among other business, was transacted.

Member Schwartzberg introduced a Resolution which was read by the Secretary. Member Stockmar moved that the Resolution be adopted. Member Fogarty seconded this motion.

The motion, carrying with it the adoption of the Resolution, prevailed by the following vote:

AYES:
W. K. Coors
Fred R. Schwartzberg
James C. Wilson
Monte Pascoe
Ted P. Stockmar
Jack J. Grynberg
Charles F. Fogarty

NOES: None

The Resolution as adopted is as follows:
RESOLUTION

A RESOLUTION AUTHORIZING COLORADO SCHOOL
OF MINES DORMITORY AND STUDENT CENTER
REVENUE ANTICIPATION WARRANTS IN THE
PRINCIPAL AMOUNT OF $4,525,000 TO PROVIDE
FUNDS TO COMPLETE CONSTRUCTION OF THE
PROJECT AND TO LIQUIDATE OUTSTANDING
WARRANTS DATED SEPTEMBER 1, 1977;
PROVIDING FOR PAYMENT OF THE NEW WARRANTS
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,
Colorado Revised Statutes 1973, as amended, to have general
control and supervision of Colorado School of Mines, at
Golden, Colorado (the "School"), and power to do all things
incidental thereeto, 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

WHEREAS, the Board is constructing and equipping a
student dormitory to house approximately 245 students and
purchasing land therefor, and constructing and equipping
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 funds for this purpose; and

WHEREAS, the 1977 Warrants provide that they may be