The Board of Trustees met in special session on January 19, 1968 at 8:30 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Alexander, Eisenach, Parker, Stockmar, and Volk.

Dr. Parker, President of the Board, presided.

President Childs attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on December 8, 1967 were approved.

Distinguished Achievement Medals. Dr. Parker appointed the following committee of the Board to make the recommendations for the 1968 Distinguished Achievement Medals: Mr. Eisenach, Chairman; Mr. Volk; and Mr. Stockmar.

The files of the candidates were to be distributed in the near future.

Commencement Speaker. President Childs announced that he had received a verbal acceptance from Mr. Dean McGee, Kerr-McGee Corporation, to give the Commencement speech. Formal letter will be written in February.

Emeritus Status. President Childs presented recommendations from Dean Kuhn that three retiring faculty, Professor Long, Professor Richtmann, and Professor Kelly be granted emeritus status.

There followed a review of the previous policy with regard to the granting of emeritus status. Previous requirements were high faculty rank and more than average length of service, but the appointment was not to be an automatic gesture upon retirement.

After some discussion it was moved, seconded, and unanimously passed that retiring faculty with at least ten years of service, five of these years having been served at the rank of full professor, should be granted the emeritus rank.
A special certificate of appreciation would be reserved for those faculty who have rendered outstanding service. This special certificate could be presented at any time deemed appropriate.

Mr. Steinhauler entered the meeting at this time.

Advisory Council. The schedule for the Advisory Council meeting was discussed and agreed upon.

Professional Center Status Report. President Childs reviewed for the members of the Board the situation with regard to the Professional Center. The Colorado Commission on Higher Education did not recommend to the Joint Budget Committee the appropriation of the 1.3 million and the Governor's budget did not include it. However, President Childs stated he felt the Joint Budget Committee was split on this issue and he was still hopeful he could gain the support of the other members of the Joint Budget Committee.

Sudler Release. Mr. Sudler, as reported in an earlier meeting, had refused to sign the release drawn up by the Attorney General's office. His own attorney, Mr. Charles Nicola, had written a release prepared for signature by Mr. Sudler, by an official representative of the State of Colorado, and by President Childs for the School. The release as prepared by Mr. Nicola was acceptable to the Attorney General's office and had been signed by Mr. Con Shea, State Controller, for the State of Colorado, and by President Childs for the School. Mr. Sudler had signed this release.

Mr. Sudler had agreed to accept the check in the amount of $1,981.52 upon receipt of the signed release.

Sigma Alpha Epsilon Fraternity. Upon motion made by Mr. Volk, seconded by Mr. Eisenach, and unanimously passed, the Sigma Alpha Epsilon house plans were approved and the execution of the deed for the sale of the property was authorized.


January 19, 1968
Warehouse Bids. President Childs reported that the bids for the new warehouse had come in higher than the amount which had been allocated to the project. In a letter dated January 17, 1968 the Colorado Division of Public Works had recommended that the contract be awarded to the apparent low bidder, A. A. and E. B. Jones Company, in an amount not to exceed $55,000, providing negotiations were acceptable to all concerned.

C.C.H.E. Capital Construction Fund Requirements. President Childs presented a letter received on December 12 from the Colorado Commission on Higher Education setting forth several proposed policy statements with regard to capital construction fund requirements.

The members of the Board were of the opinion that a formal objection should be registered to Item 2 and Item 4 of this letter, i.e. "Land required for dormitories and other auxiliary enterprises should be purchased with other than State tax funds;" and "In event of purchase by the State of buildings owned by an institution (built with non-State funds), the purchase price should be the cost price less accrued depreciation."

Master Plan for Campus. President Childs, confirming telephone approval by members of the Board, reported that he had transmitted this approval to the Colorado Commission on Higher Education. The Commission at the January 5 meeting approved an allocation of $35,000 to underwrite the cost of the master plan as proposed by S U A, Incorporated. The study will begin in February.

Comstock Property - 1218 and 1230 Eighteenth Street. President Childs presented an appraisal of property at the above addresses which were being offered for sale. The properties appraised at $25,000.

Upon motion made, seconded, and unanimously carried, the Board approved the purchase of these properties.

Source of Funds for Purchase of Comstock Property. Mr. Steinhauser reported that there was available in the Special Land Acquisition Fund the amount of $14,300 which could be applied on these properties.

Mr. Steinhauser recommended that we ask for special legislation to request $10,700 from Account 2-7444, the account holding funds accrued on CSM Houses Group 2.

Resolution on Death of Mr. Charles D. Bromley. Upon motion by Mr. Volk, seconded by Dr. Parker, the following resolution was unanimously adopted:

WHEREAS the Board of Trustees of the Colorado School of Mines learned with deep regret of the death of Charles D. Bromley, member of the

January 19, 1968
Board of Regents of the University of Colorado; and

WHEREAS the Board of Trustees wishes to recognize and pay due tribute to the contributions made by Mr. Bromley to higher education in Colorado; and

WHEREAS Mr. Bromley's knowledge and background in higher education, his forthright pursuit of causes in which he believed, his strength of character, and his sincerity and deep convictions won for him the respect of all who knew him; therefore be it

RESOLVED that the Board of Trustees through this resolution gives formal expression of sympathy and appreciation and that this resolution be spread upon the minutes of the January 19, 1968 meeting; and

RESOLVED further that a copy of this resolution be tendered to Mrs. Bromley as an expression of the feelings of the members of the Board of Trustees of the Colorado School of Mines.

The meeting adjourned at 1:00 p.m.

Secretary

January 19, 1968
Golden, Colorado
February 9, 1968

The Board of Trustees met in regular session on February 9, 1968 at 9:00 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Eisenach, Alexander, Parker, and Volk.

Absent: Mr. Stockmar.

Dr. Parker, President of the Board, presided.

President Childs attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on January 19, 1968 were approved.

Distinguished Achievement Medals. The selection of the recipients of the Distinguished Achievement Medals was postponed until a special meeting could be held on February 21.

van Diest Gold Medal. The members of the Board considered the recommendation of Dr. Roshan B. Bhappu for the van Diest Gold Medal. Dr. Bhappu had received his Metallurgical Engineer degree in 1950, his M.S. also in 1950, and his doctorate in 1953.

The Board reviewed the guidelines for recipients as set forth by a faculty committee in 1950. These guidelines included a fifteen-year eligibility beyond the undergraduate degree. It was recognized that such rules must necessarily be revised from time to time and that even though under the rules of 1950 Dr. Bhappu would not qualify, the Board felt he would be a worthy recipient and thus should be awarded the van Diest Gold Medal.

President Childs stated he would appoint a new faculty committee to revise the rules for the van Diest Gold Medal.

Policy on Student Conduct. President Childs distributed copies of excerpt from the student handbook and the catalog which dealt with student conduct. The Board members

February 9, 1968
expressed the opinion that this should be a subject for continuing analysis by the faculty and administration and that recommendations for changes should be made whenever they are indicated.

Mr. Steinhauser entered the meeting at this time.


**Systems Study Recommendations.** Mr. Steinhauser reported that a special appropriation in the amount of $27,500 was being passed by the legislature to enable the School to carry out the recommendations made as a result of the systems analysis.

**Warehouse.** Mr. Steinhauser reported that Mr. Greenwald had been working with the architect and the construction company who was the low bidder on the warehouse in an attempt to bring the project down to the $55,000 which had been allocated for the building. He reported that he felt the project could be held to $55,400 and asked that, subject to agreement of the Public Works Division, the contract be signed when prepared.

Upon motion made, seconded, and unanimously passed, Dr. Parker was authorized to sign the warehouse contract when it was available.

**Advisory Council.** During the meeting Dr. Parker received a letter from Dr. James Boyd who had served as chairman of the Advisory Council meeting held on February 23.
The recommendations of the Advisory Council were reviewed in light of faculty recommendations and the Task Force report. A future meeting was set up for February 21 at which action would be taken.

Task Force Report. The Board of Trustees were very complimentary and appreciative of the work done by the members of the Task Force. There was a general consensus that the report made by the Task Force would be very helpful to the Board and thus to the School.

In discussing the faculty as evaluated by the Task Force, it was pointed out that there are measures of merit other than salary and federal money received in support of programs and research projects. The general feeling of the Board was that even though our faculty salaries are not as high as we would like to have them, the students have not been short-changed in faculty-student contact hours, one reason being that we use so few graduate students as instructors.

The meeting adjourned at 2:30 p.m.

Secretary
RECORD OF PROCEEDINGS

Golden, Colorado
March 10, 1968

The Board of Trustees met in special session on March 10, 1968 at 8:30 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Eisenach, Parker, Stockmar, and Volk.

Absent: Mr. Alexander.

Dr. Parker, President of the Board, presided.

President Childs attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on February 9, 1968 were approved.

Mr. Steinhauer entered the meeting at this time.


Prospector Park Village. In response to Mr. Stockmar's question regarding the landscaping of the west campus area, Mr. Steinhauer said he would talk with Mr. Greenwald about hastening the plan for more planting.

Intercollegiate Athletic Travel. Mr. Steinhauer reported that an extensive study had been made of costs of
various modes of transporting the men involved in athletic competitions away from Golden. He reported that at the present time there is a travel budget of $6,500, and if we should use commercial carriers, the cost would be almost doubled.

After a discussion of all means and costs of transportation and in the interest of maximum safety of students and coaches, it was moved, seconded, and unanimously passed that the School will hereafter utilize commercial carriers with professionally licensed operators whenever it is feasible to do so. The primary concern should be the minimum exposure to accident for the students and coaches.

It was moved, seconded, and unanimously passed that the student athletic fee be increased from $11 to $15 per semester, effective with the 1968-69 school year to cover additional costs involved.

Wild Horse Park. Mr. Steinhauer reported to the Board that he had received a copy of the appraisal made by the Cartwright Appraisal Company for Mr. W. A. Mayes for use in establishing values to be paid by the government in taking this property. This appraisal showed all acreage at $57.50 per acre, and assigned no mineral value to any part of it. Mr. Steinhauer is in contact with Mr. Holloway who is representing the School in the negotiations, but there was no indication thus far as to when the matter would be heard by the courts.

Pi Kappa Alpha House. Mr. Steinhauer presented the appraisal made at the request of the Pi Kappa Alpha organization which was in the amount of $59,000. The appraisal which the School had made was in the amount of $58,500, and at the September 20, 1967 Board meeting, Mr. Steinhauer had been authorized to make an offer to PKA for this amount.

It was moved, seconded, and unanimously passed that Mr. Steinhauer be authorized to enter into a purchase and sale agreement with PKA for $58,500, the money to come from the available funds in the Mill Levy Building Fund. The remainder ($3,000) may be requested from the legislature next session.

Distinguished Achievement Medals. The Board confirmed for the record the action taken at an informal meeting held on February 21.

At that meeting, the members of the Board had voted to confer Distinguished Achievement Medals on the following alumni:

March 10, 1968
International Travel for President Childs.
President Childs stated he was planning to attend the International Geological Congress in Prague, Czechoslovakia and the United Nations - Russian Oil Shale Symposium in Tallinn, U.S.S.R., as an observer, providing the Board authorized such travel. President Childs stated there would be no state money involved in the cost of this travel. The Board approved the trip.

Silver Certificate for 50-Year Alumni. President Childs presented a recommendation from Dr. Pegis, in which he concurred, that a silver certificate be given to the 50-year alumni.

It was moved, seconded, and unanimously passed that the 50-year alumni be presented with a silver certificate of appreciation, the year and degree to be shown.

Honorary Degrees. Upon motion made, seconded, and unanimously passed, an honorary degree of Doctor of Engineering will be presented to Mr. Dean McGee at Commencement on June 7, 1968.

Teaching Faculty Changes. President Childs reviewed the vacancies and changes which will occur due to retirements and resignations in the teaching faculty next school year.

New Organization Chart. President Childs presented a new organization chart which would change some administrative duties and titles and create some shifting of responsibilities.

Upon motion made, seconded, and unanimously passed, the Board approved the new organization chart presented and the appointments necessary to bring this reorganization about.

New Degree Program. There was a discussion on the new degree program based on the report of the Task Force and the recommendations of the Alumni Advisory Council. The decisions on the final form of the program is to be reached in a special meeting of the Board some time in the next two weeks.

Mr. Stockmar left the meeting at this time.

Graduate and Professional Center. It was moved, seconded, and unanimously passed that the site be prepared

March 10, 1968
for the Graduate and Professional Center. The site preparation should be completed this next summer.

The meeting adjourned at 5:00 p.m.

Secretary

March 10, 1968
A special meeting of the Board of Trustees was held in Denver on March 29 at noon.

Present: Messrs. Alexander, Parker, Stockmar, and Volk.

Absent: Mr. Eisenach.

President Childs attended the meeting.

Dr. Parker, President of the Board, presided.

The meeting was called to discuss the degree program.

The following degree structure was approved, with the decision that this degree structure and the titles included are within and consistent with the framework of the Colorado School of Mines' objective of being an institution under the primary commitment of training engineers for mineral resources careers.

**Bachelor of Science Programs**

The Bachelor of Science degree is to be given as an undesignated degree. By this, it is meant that the diploma would be entitled "Bachelor of Science" and in parenthesis the major area of concentration will be identified such as - Bachelor of Science (Geological Engineering).

Subject to acceptance of the Colorado Commission on Higher Education, the following degree titles are permissible:

- Bachelor of Science (Chemistry)
- Bachelor of Science (Physics)
- Bachelor of Science (Engineering Physics)
- Bachelor of Science (Mathematics)
- Bachelor of Science (Engineering or Applied Mathematics)
- Bachelor of Science (Geology)
- Bachelor of Science (Geological Engineering)
- Bachelor of Science (Geophysics)
- Bachelor of Science (Geophysical Engineering)
- Bachelor of Science (Petroleum Engineering)
- Bachelor of Science (Chemical and Petroleum-Refining Engineering)
- Bachelor of Science (Mining Engineering)
- Bachelor of Science (Metallurgical Engineering)
The parenthetical designation will be made upon the recommendation of the appropriate department. Where dual degrees are given in the same department, it must be understood that the programs leading to the degrees must be appropriately different. In the degrees that are given with a parenthetical designation of science, there must be included courses appropriate to the mineral engineering commitment of the Colorado School of Mines. Thus these science degrees must be given in an atmosphere of engineering application as it applies to the mineral resource field. These science degrees must be clearly different from the traditional science degrees to be found in the arts and science schools of a general university and this difference must be recognizable as an institutional characteristic.

Master's Programs

Two Master's programs have been approved. The Master of Science degrees will be undesignated; that is "Master of Science" will be followed by a parenthetical designation of the major subject area. This will allow identification of interdisciplinary degree studies as well as those within a single discipline. As an example, there can be Master of Science (Geochemistry) or Master of Science (Chemistry).

The graduate course work within the Master of Science programs are to be designed, supervised, and vouched for by the graduate faculty.

Normal standards of admission in the graduate school will pertain and the Board urges the graduate faculty to consider the modern trends in graduate education which today indicate that this program might be completed in one year without the formal research and thesis requirement of the past. It is asked that the graduate faculty consider this problem in serious study to determine whether or not the most value will be achieved by limiting principal research efforts to the doctoral programs.

The second and equivalent Master's degree program is to be the Master of Engineering. Within the parenthetical designations of this program are to be retained the traditional engineering titles of the professional degrees of the Colorado School of Mines:

- Master of Engineering (Engineer of Mines)
- Master of Engineering (Geological Engineer)
- Master of Engineering (Geophysical Engineer)
- Master of Engineering (Petroleum Engineer)
- Master of Engineering (Chemical & Petroleum-Refining Engineer)
- Master of Engineering (Metallurgical Engineer)

March 29, 1968
The time of one year for this program seems desirable as a parallel to the Master of Science program. This engineering program must clearly be different from a Master of Science program and again stress the engineering applications consistent with the institutional mission of the Colorado School of Mines.

**Doctor of Philosophy Program**

Students who have completed either the Master of Science or the Master of Engineering program, as well as those who have been accepted into doctoral programs without electing the Master's route, may continue on to the undesignated degree of "Doctor of Philosophy" which will have a parenthetical designation of the major subject area of the student's work. The recommendation of the graduate council that the degree title be changed from the Doctor of Science to the Doctor of Philosophy has been accepted by the Board of Trustees. The degree will be vouched for by the candidate's graduate committee. The judgment of the committee and the graduate faculty will determine the title included in parenthesis. Thus it should be included in the final recommendation of the graduate faculty that the degree, Doctor of Philosophy (Geology) or Doctor of Philosophy (Geological Engineering), will be given depending upon the nature of the program and the research accomplished by the candidate.

As an additional item of information for the Board, it was announced that Dr. Cecil Green would visit the campus on April 2 for the purpose of discussing a substantial increase of his pledge to the Colorado School of Mines in support of the plan to construct the Graduate and Professional Center.

The meeting adjourned at 2:30 p.m.

Assistant Secretary

March 29, 1968
Golden, Colorado
April 12, 1968

The Board of Trustees met in regular session on April 12, 1968 at 8:30 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Parker and Volk.


President Childs attended the meeting.

Dr. Parker, President of the Board, presided.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meetings held on March 10, 1968 and March 29, 1968 were approved as amended in these minutes.

Master's Degrees. President Childs discussed further the Master of Science degrees in Chemistry, Physics, Mathematics, and Mineral Economics. It was asked that the inclusion of these degrees in the degree designations specified at the special meeting of the Board held on March 29 be reaffirmed.

Upon motion made and seconded, the inclusion of these degree programs was reaffirmed. President Childs stated he would seek the concurrence of Mr. Eisenach of all action taken at this Board meeting, thus completing the quorum acceptance of items of business of the meeting. (This was done the following week.)

The Board accepted the recommendation of the Graduate Council that the Master's degree in engineering be designated Master of Engineering, with the traditional engineering titles retained parenthetically. This correction was to be incorporated in the itemization of degrees approved at the special meeting held on March 29, 1968.

The Board again asked that the Master's degree programs be designed for completion in five years.

Faculty Salary Schedules. The Board approved the following faculty salaries and promotions:

April 12, 1968
William R. Aeste  
Assistant Professor of Mathematics  $10,800

Henry A. Babcock  
Associate Professor of Basic Engineering  $13,000

Charles Baer  
Assistant Professor of Mathematics  $10,800

Paul F. Bartunek  
Professor of Physics  $12,300

Daniel M. Bass, Jr.  
Professor of Petroleum Engineering and Head of Department  $17,300

George T. Bator  
Associate Professor of Mining Engineering  $11,200

Victor W. Bauman  
Assistant Professor of Mathematics  $11,200

Jerry R. Bergeson  
Assistant Professor of Petroleum Engineering  $11,000

Ramon E. Bisque  
Professor of Chemistry and Assistant to the Dean of the Graduate School for Research  $14,300

Harold Bloom  
Associate Professor of Chemistry  $11,400

Ardel John Boes  
Assistant Professor of Mathematics  $11,200

Don Loren Bohmont  
Assistant Professor of Mathematics  $9,900

Ralph B. Bowersox  
Professor of Physics and Head of Department  $16,300

Fritz S. Brennecke  
Professor and Head of Department, Physical Education and Athletics  $14,500

Austin R. Brown, Jr.  
Professor of Mathematics and Director of the Computing Center  $14,400

James T. Brown  
Assistant Professor of Physics  $10,400

William Rex Bull  
Associate Professor of Metallurgical Engineering  $11,500

April 12, 1968
Jerrold J. Burnett
Assistant Professor of Physics

Frank R. Campbell
Associate Professor of Basic Engineering

Robert H. Carpenter
Professor of Geology

William J. Chapitis
Assistant Professor of English and Modern Foreign Languages

W. John Cieslewicz
Instructor in Russian and German

W. D. Copeland
Associate Professor of Metallurgical Engineering

Stephen Ray Daniel
Instructor in Chemistry

James Darden
Associate Professor of Physical Education and Athletics

Joseph E. Davies
Associate Professor of Physical Education and Athletics

Richard H. DeVoto
Assistant Professor of Geology

Dean W. Dickerhoof
Associate Professor of Chemistry

Philip F. Dickson
Associate Professor of Chemical and Petroleum-Refining Engineering

Walter H. Dumke
Professor of Chemistry and Head of Department

Kenneth W. Edwards
Assistant Professor of Chemistry

Rudy C. Epis
Associate Professor of Geology

Joseph J. Finney
Associate Professor of Geology

April 12, 1968
<table>
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<tr>
<th>Name</th>
<th>Position</th>
<th>Salary</th>
</tr>
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<tbody>
<tr>
<td>Edward G. Fisher</td>
<td>Professor of English and Head of Department</td>
<td>$16,100</td>
</tr>
<tr>
<td>S. Dale Foreman</td>
<td>Associate Professor of Basic Engineering</td>
<td>12,300</td>
</tr>
<tr>
<td>Hildreth Frost, Jr.</td>
<td>Assistant Professor of Metallurgical Engineering and Administrative Assistant</td>
<td>10,000</td>
</tr>
<tr>
<td>Charles O. Frush</td>
<td>Associate Professor of Mining Engineering</td>
<td>12,000</td>
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<tr>
<td>James H. Gary</td>
<td>Professor of Chemical and Petroleum-Refining Engineering and Head of Department</td>
<td>18,800</td>
</tr>
<tr>
<td>John M. George</td>
<td>Assistant Professor of English</td>
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</tr>
<tr>
<td>John O. Golden</td>
<td>Assistant Professor of Chemical and Petroleum-Refining Engineering</td>
<td>10,800</td>
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<tr>
<td>C. E. Gregory</td>
<td>Professor of Mining Engineering</td>
<td>12,500</td>
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<tr>
<td>L. Trowbridge Grose</td>
<td>Professor of Geology</td>
<td>13,500</td>
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<tr>
<td>Niles E. Grosvenor</td>
<td>Associate Professor of Mining Engineering</td>
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<tr>
<td>Raymond R. Gutzman</td>
<td>Associate Professor of Mathematics</td>
<td>11,200</td>
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<td>Frank A. Hadsell</td>
<td>Associate Professor of Geophysics</td>
<td>13,200</td>
</tr>
<tr>
<td>John P. Hager</td>
<td>Assistant Professor of Metallurgical Engineering</td>
<td>10,900</td>
</tr>
<tr>
<td>Jeryl Louise Hamilton</td>
<td>Museum Curator and Research Technician, Department of Geology</td>
<td>7,500</td>
</tr>
<tr>
<td>John W. Hancock</td>
<td>Assistant Professor of Physical Education and Athletics</td>
<td>10,600</td>
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<tr>
<td>Steve Hanke</td>
<td>Assistant Professor of Economics</td>
<td>10,400</td>
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April 12, 1968
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<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Salary</th>
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<tr>
<td>Jens Viggo Hansen</td>
<td>Assistant Professor of English</td>
<td>8,800</td>
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<td>John D. Haun</td>
<td>Professor of Geology</td>
<td>14,300</td>
</tr>
<tr>
<td>John R. Hayes</td>
<td>Professor of Geology</td>
<td>14,200</td>
</tr>
<tr>
<td>Paul G. Herold</td>
<td>Professor of Metallurgical Engineering and Head of Department</td>
<td>17,000</td>
</tr>
<tr>
<td>Carl L. Hiltrop</td>
<td>Associate Professor of Chemistry</td>
<td>10,500</td>
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<tr>
<td>John C. Hollister</td>
<td>Professor of Geophysics and Head of Department</td>
<td>19,500</td>
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<tr>
<td>Robert M. Hutchinson</td>
<td>Associate Professor of Geology</td>
<td>12,000</td>
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<td>George W. Johnson</td>
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<td>James G. Johnstone</td>
<td>Associate Professor of Basic Engineering</td>
<td>13,300</td>
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<td>Leonard Kalal</td>
<td>Assistant Professor of Philosophy</td>
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<tr>
<td>Marvin L. Kay</td>
<td>Instructor in Physical Education and Athletics</td>
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<tr>
<td>George V. Keller</td>
<td>Professor of Geophysics</td>
<td>14,000</td>
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<td>George H. Kennedy</td>
<td>Assistant Professor of Chemistry</td>
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<td>Harry C. Kent</td>
<td>Associate Professor of Geology</td>
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<td>John V. Kline</td>
<td>Professor of Physics</td>
<td>12,400</td>
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<td>Charles A. Kohlhaas</td>
<td>Instructor in Petroleum Engineering</td>
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<td>Andrew H. Larson</td>
<td>Professor of Metallurgical Engineering</td>
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<td>Winton Laubach</td>
<td>Assistant Professor of Mathematics</td>
<td>8,800</td>
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<tr>
<td>Name</td>
<td>Position</td>
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</tr>
<tr>
<td>William B. Law</td>
<td>Associate Professor of Physics</td>
<td>$11,700</td>
</tr>
<tr>
<td>Joseph R. Lee</td>
<td>Professor of Mathematics and Head of Department</td>
<td>16,000</td>
</tr>
<tr>
<td>Paul H. LeFevre</td>
<td>Assistant Professor of Chemistry</td>
<td>9,000</td>
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<td>L. W. LeRoy</td>
<td>Professor of Geology</td>
<td>14,400</td>
</tr>
<tr>
<td>James E. Lindsay, Jr.</td>
<td>Associate Professor of Basic Engineering</td>
<td>12,800</td>
</tr>
<tr>
<td>J. D. Lubahn</td>
<td>Professor of Metallurgical Engineering and Director of Materials Research Laboratory</td>
<td>16,300</td>
</tr>
<tr>
<td>George B. Lucas</td>
<td>Professor of Chemistry</td>
<td>13,300</td>
</tr>
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<td>Maurice Major</td>
<td>Associate Professor of Geophysics</td>
<td>13,200</td>
</tr>
<tr>
<td>Donald C. B. Marsh</td>
<td>Professor of Mathematics</td>
<td>12,000</td>
</tr>
<tr>
<td>Scott J. Marshall</td>
<td>Assistant Professor of Basic Engineering</td>
<td>9,900</td>
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<td>Frank S. Mathews</td>
<td>Associate Professor of Physics</td>
<td>12,000</td>
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<td>Douglas A. Mathewson</td>
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<td>William A. Mattingly</td>
<td>Instructor in English</td>
<td>7,000</td>
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<tr>
<td>Robert W. McAllister</td>
<td>Associate Professor of Physics</td>
<td>12,800</td>
</tr>
<tr>
<td>George T. Merideth</td>
<td>Professor of Geophysics</td>
<td>16,000</td>
</tr>
<tr>
<td>David G. Mickle</td>
<td>Assistant Professor of Mining Engineering</td>
<td>11,600</td>
</tr>
<tr>
<td>C. Samuel Miller</td>
<td>Assistant Professor of Physics</td>
<td>10,700</td>
</tr>
</tbody>
</table>

April 12, 1968
B. J. Mitchell  
Assistant Professor of Petroleum Engineering  
$11,800

Fred E. Moore  
Associate Professor of Geology  
$12,700

Gabriel M. Neunzert  
Instructor in Basic Engineering  
$7,400

Carl G. Nordquist  
Assistant Professor of Economics  
$10,800

Robert B. Osborn  
Associate Professor of Mathematics  
$12,000

Bartlett W. Paulding, Jr.  
Associate Professor of Basic Engineering  
and Acting Head of Department  
$13,000

Robert W. Pearson  
Instructor in Physical Education and  
Business Manager of Athletics  
$8,800

George R. Pickett  
Associate Professor of Geophysics  
$12,700

Ronald D. Preston  
Associate Professor of Basic Engineering  
$11,400

John J. Reed  
Professor of Mining Engineering and  
Head of Department  
$16,500

Robert D. Reed  
Assistant Professor of Physics  
$10,800

Paul A. Rodgers  
Professor of Geophysics  
$13,600

Arthur Y. Sakakura  
Associate Professor of Physics  
$12,200

W. Cyril Schieltz  
Professor of Metallurgical Engineering  
$14,500

Samuel Shaw, III  
Instructor in Mining Engineering  
$9,000

Elwyn Shimoda  
Assistant Professor of Chemical and  
Petroleum-Refining Engineering  
$10,500

April 12, 1968
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ruth B. Simon</td>
<td>Research Associate, Department of Geophysics</td>
<td>$11,000</td>
</tr>
<tr>
<td>George T. Sisson</td>
<td>Laboratory Assistant in Chemistry</td>
<td>9,000</td>
</tr>
<tr>
<td>David T. Snow</td>
<td>Associate Professor of Geology</td>
<td>11,400</td>
</tr>
<tr>
<td>Michael L. Spain</td>
<td>Assistant Professor of English</td>
<td>9,200</td>
</tr>
<tr>
<td>Richard E. Stapp, Jr.</td>
<td>Assistant Professor of Physical Education and Athletics</td>
<td>9,300</td>
</tr>
<tr>
<td>Charles W. Starks</td>
<td>Assistant Professor of Chemistry</td>
<td>10,700</td>
</tr>
<tr>
<td>Franklin J. Stermole</td>
<td>Associate Professor of Chemical and Petroleum-Refining Engineering</td>
<td>12,000</td>
</tr>
<tr>
<td>Frances L. Stewart</td>
<td>Laboratory Assistant in Metallurgical Engineering</td>
<td>7,600</td>
</tr>
<tr>
<td>Robert J. Taylor</td>
<td>Instructor in Basic Engineering</td>
<td>9,000</td>
</tr>
<tr>
<td>John R. Terray</td>
<td>Instructor in Mathematics</td>
<td>8,500</td>
</tr>
<tr>
<td>John C. Thomas</td>
<td>Research Assistant, Department of Chemical and Petroleum-Refining Engineering</td>
<td>8,000</td>
</tr>
<tr>
<td>David W. Trexler</td>
<td>Associate Professor of Geology</td>
<td>11,000</td>
</tr>
<tr>
<td>Elliot W. Wager</td>
<td>Assistant Professor of English</td>
<td>9,000</td>
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<tr>
<td>Cooper H. Wayman</td>
<td>Assistant Professor of Chemistry</td>
<td>11,500</td>
</tr>
<tr>
<td>Robert J. Weimer</td>
<td>Professor of Geology and Head of Department</td>
<td>17,600</td>
</tr>
<tr>
<td>Walter W. Whitman</td>
<td>Associate Professor of Mathematics</td>
<td>13,500</td>
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</table>

April 12, 1968
Thomas Wildeman
Assistant Professor of Chemistry $9,900

John T. Williams
Professor of Chemistry 13,700

Robert D. Witters
Assistant Professor of Chemistry 10,800

F. Richard Yeatts
Associate Professor of Physics 11,200

Administrative Salary Schedule. The following salaries and titles were approved:

Orlo E. Childs
President $27,000

Martin S. Barber
Director of Public Relations 11,800

Kenneth E. Bellamy, Jr.
Assistant Dean of Students and Director of Student Housing 10,000

H. Dean Burdick
Director of Admissions 13,000

Berntetta Conrey
Departmental Assistant 7,800

Lloyd Cubbison
Director of Public Information 7,000

L. David Femmer
Budget Officer and Personnel Officer 12,000

Robert L. Greenwald
Director of Plant Facilities 14,200

Leonard L. Johnson
Assistant Finance Officer 8,800

A. Raymond Jordan
Dean of the Graduate School and Professor of Physics 19,000

Truman H. Kuhn
Vice President for Administrative Affairs and Professor of Geology 21,500

William E. Leckie
Assistant to the Vice President for Administrative Affairs 11,000

April 12, 1968
<table>
<thead>
<tr>
<th>Name</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warren J. Mason</td>
<td>$10,800</td>
</tr>
<tr>
<td>Assistant Dean of Students</td>
<td></td>
</tr>
<tr>
<td>and Registrar</td>
<td></td>
</tr>
<tr>
<td>Anton G. Pegis</td>
<td>16,000</td>
</tr>
<tr>
<td>Vice President for Development</td>
<td></td>
</tr>
<tr>
<td>and Professor of English</td>
<td></td>
</tr>
<tr>
<td>A. W. Schlechten</td>
<td>24,000</td>
</tr>
<tr>
<td>Vice President for Academic Affairs</td>
<td></td>
</tr>
<tr>
<td>and Professor of Metallurgy</td>
<td></td>
</tr>
<tr>
<td>Francis E. Smiley, Jr.</td>
<td>16,000</td>
</tr>
<tr>
<td>Dean of Students and Associate</td>
<td></td>
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<tr>
<td>Professor of Basic Engineering</td>
<td></td>
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<tr>
<td>Sherman W. Spear</td>
<td>11,000</td>
</tr>
<tr>
<td>Director of Publications</td>
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<tr>
<td>Garnett Steinhauer</td>
<td>19,300</td>
</tr>
<tr>
<td>Vice President for Business Affairs</td>
<td></td>
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<tr>
<td>Frank R. Utter</td>
<td>11,800</td>
</tr>
<tr>
<td>Finance Officer</td>
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</table>

**Library**

<table>
<thead>
<tr>
<th>Name</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geraldine D. Bariani</td>
<td>9,000</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Carlisle T. Barry</td>
<td>8,600</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Catharine S. Cross</td>
<td>7,700</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Elsie Christine Ericson</td>
<td>8,000</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Margaret Smart</td>
<td>9,600</td>
</tr>
<tr>
<td>Librarian</td>
<td></td>
</tr>
<tr>
<td>Virginia Lee Wilcox</td>
<td>13,600</td>
</tr>
<tr>
<td>Head Librarian</td>
<td></td>
</tr>
</tbody>
</table>

**Loyalty Oath.** A letter to Dr. Grant Vest from Mr. Duke Dunbar, Attorney General, under date of March 13, 1968 was brought to the attention of the Board. In this letter the problem arising out of the challenge of constitutionality of the loyalty oath as now administered at the University of Colorado was reviewed. As a consequence of the letter from Mr. Dunbar, the administration of the Colorado School of Mines is not presently requiring the administration of the loyalty oath for new employees.

April 12, 1968
Mr. Steinhauer entered the meeting at this time.


Budgets for 1968-69. Mr. Steinhauer reviewed the following budgets:

Proposed operating budget for School in the amount of $3,832,364.

Proposed Budget Summary of CSM Houses No. 2 in the amount of $22,822.

Proposed Budget Summary of Mines Park Addition and CSM Houses No. 1 in the amount of $11,600.

Proposed Budget Summary of Operations Pledged to 1966 Bond Issue in the amount of $52,600.

Proposed Budget Summary of Operations Pledged to Open End 1962 Bond Issue in the amount of $403,580.

Upon motion made, and seconded the budgets were approved. President Childs again stated he would seek Mr. Eisenach's approval at a later date. (This was done.)

Funding of Purchase of Pi Kappa Alpha House. In the minutes of the meeting held on March 10, 1968 it was reported that the property being purchased from the Pi Kappa Alpha organization would be funded from the Mill Levy Building Fund with the exception of approximately $3,000 which would be requested from the legislature next session.

Mr. Steinhauer reported that he had been informed by the State Controller's office that he would have to find a source other than State funds for the needed $2,900.
Upon motion made and seconded the Board approved the use of the Guggenheim Fund for this additional money, as well as for the amount needed for refurbishing the house for occupancy.

Integral Club. President Childs presented drawings and cost estimates of the work to be done in the unfinished portion of the college union in order to make a club room. The estimated cost is $56,000.

Mr. Steinhauer reported that there is at present a $55,000 balance in the maintenance and Equipment Reserve Account of our 1962 Open End Bond Issue. Under the terms of the bond agreement, this money is to be used for replacement of equipment and any unusual maintenance or repairs on the facilities included in the bond issue. He recommended, however, that a balance of $25,000 be retained in that account.

Upon motion made and seconded, the administration was authorized to use $30,000 from the Maintenance and Equipment Reserve Account of the 1962 Open End Bond Issue and the balance of the Lester C. Thomas Fund to complete the funding of the work and furnishings to prepare the "Integral Club" room.

The meeting adjourned at 2:30 p.m.

__________
Assistant Secretary

April 12, 1968
Golden, Colorado
May 10, 1968

The Board of Trustees met in regular session on May 10, 1968 at 8:30 a.m. in the President's Office of the Colorado School of Mines.

Present: Messrs. Alexander, Eisenach, Parker, Stockmar, and Volk.

Dr. Parker, President of the Board, presided.

President Childs attended the meeting.

Vouchers as listed in Exhibit A attached were examined and allowed.

Previous Minutes. The minutes of the meeting held on April 12, 1968 were approved.

Candidates for Degrees. The following list of those recommended by the faculty for degrees on the dates specified was approved, subject to the final completion of work and the meeting of all requirements for graduation:

June 7, 1968

ENGINEER OF MINES

Thomas Herbert Albers
Garwood Raymond Allen
Irving Frank Avery
Gary Douglas Bates
Donald Lee Beckwith
Edward James Briggs
Robert Maurice Burnham
James Douglas Cline
Richard Anthony DiPaola
Daniel Martin Howard
Gregory Hal Hoyl
Patrick Michael James
James Chris Juliani
Daryl Keith King
Danny Ray Kirschman
Robert Anton Larson
Robert Gordon Lauman

METSALLURGICAL ENGINEER

Robert Lee Ball
Robert Edward Beehler

Thomas Mengel Leonard
Frederick William Paddock, Jr.
Toby Todd Peterson
Thomas Charles Pool
Robert Joseph Previdi
James Stewart Robbins
Michael O'Grady Russo
Theodore Allen Smith
Jcn Crawford Sprague
Ralph Barry Tacoma
John Stephen Timmons
Pablo Velasco Cespedes
Kenneth Noel Walker
Murray Edmond Watts, Jr.
Paul Richard Widinski
Gerald Salyards Willett
Arthur Douglas Zierold

Howard Tadashi Koshi
Fred Harland Lightner
Raymond Michael Bello
Steve Curtis Brady
Robert Edward Brookman
Charles Edgar Brooks III
Robert F. Davis
David Linwood Dickinson
Philip John Dutt
Glen Andrew Eddy
Robert Musgrove Garbutt
John Carl Gathje
Thomas Warren Johnston
Clifford Vernon Kangas, Jr.
Roy Walter Keyes
David C. Knupp

John Allen McPherson
Robert Bruce Merrill
Lynn Lee Mitchell
Paul Edward Olson
Robert Curtis Pahl
Bruce Robert Palmer
Lynn Alan Schwabauer
Albert Edwin Seep, Jr.
Richard Dee Smith
John Stephen Volosin
Stephen Alfred Willner
Ralph Walf
Mark Steven Yancey

GEOLOGICAL ENGINEER

William Chester Bachmann II
Bruce Charles Bertran
James Robert Best
John Joseph Chulick
Edward Owen Church
Robert Barnes Cook, Jr.
Jack Erik Danel
Mark Lauren Gallup
Paul Gordon Hansen

Michael Allen Kern
James Lamont Lessman
Oliver John Roman, Jr.
Bhawanipratap C. Singh
Jon McClendon White
Gary Thomas Whitt
John R. Ziegler
Marc Bennett Zuckerman

PETROLEUM ENGINEER

David Thomas Berlin
James Dannie Bundy
Thomas Steven Elliott
Edward James Gibbon, Jr.
Thomas James Golden
Larry Dean Manning
Thomas Kauko Matson
Jack Robert Mcclellan
David Eugene Minard
Rick B. Minter

Richard Keith Mowrer
Neil Ross Murdock
David Anthony Noran
John E. Olson II
William Tipton Reish
Neal Edwin Schmae
Richard Murrel Stephens
John Winters Walker, Jr.
Richard Allen Weaver

PETROLEUM REFINING ENGINEER

Richard Leroy Bain
Brent C. Black
Ronald Louis Ciarallo
Donald Rocco Comminielo
Thomas William DeMaria
Maxwell Dean Edgar, Jr.
Jesus Rafael Garcia
Coronado
William John Gardiner III
Robert John Gosik
Robert Earl Guttridge
Charles William Hahn

John C. Hays
Howard Wilson Holcombe
Harold Martin Korell
Jay A. Manning
Joel Mascitelli
Michael Zane Mikulicz
Robert Dean Mowry
Herbert Bruce Nix
Kenrick Algird Charles Pocius
Terence William Pritchard
Richard Neil Robinson
Randall Dean Touslee
Thomas Michael Crumal

May 10, 1968
GEOPHYSICAL ENGINEER
Robert Lee Askew
Donald Lewis Bryson
Gaylord Cleveland
Richard Patrick Crist
William Stone Davis, Jr.
David Bryson Fleming
Stephen Carcaud Gallup
Gerald W. Grandey
Steve Wayne Hackett
George X. Hammer

David Karl Hartner
Dennis Patrick Hickey
L. Bruce Hinton
Kays Fouad Loutfi
Robert Lawrence Pearson
Marc Timothy Pottorf
Henry J. Smith, III
Don Lee Streteisky
Carl Otis Windels
Lawrence W. Yost

MINERAL ENGINEER - CHEMISTRY
John Charles Briggs
James Milton Gardner
Thomas Edwin Irwin
James Charles Nevins

Samuel Lafayette Smith
James Patrick Sparks
Charles Norman Wentz

MINERAL ENGINEER - MATHEMATICS
Wendell Lee Albert
Gary Arthur Putoma
Mike R. Karlinger
Kays Fouad Loutfi

Milton Richard McKenzie
Alaric Gale Renz
James Anthony Tomsic

MINERAL ENGINEER - PHYSICS
James Henry Cannell
Conrad John Clark
James Scott Dale
Edwin Earl Darling
Abram A. DeHerrera, Jr.
Norman Charles Frank
Lawrence W. Moss

John Gerard Palmer
Rafael Rodriguez
Bernard John Steblay
Ronald Edward Uhlig
John Andrew Valersky
John Thomas Williams, III

July 20, 1968

ENGINEER OF MINES
William G. Doepken
James Matthew Green
David William Jamieson

John Henry Reiss
Arthur Leo Walsh

METALLURGICAL ENGINEER
Telfer Woodhouse Norman

PETROLEUM ENGINEER
Lawrence G. Evantation
Reed Willis Ferrill, Jr.
David Charles Holke
Robert Earl Irelan

Robert Earle McKee, III
Guy Gilbert Ray
Douglas Bryant Tippie
Ronald Price Walden

May 10, 1968
RECORD OF PROCEEDINGS

PETROLEUM REFINING ENGINEER
George P. Boscoe
Dennis Eugene McCarthy
David Roger Peterson
John A. Yackey

GEOPHYSICAL ENGINEER
Charles Edwin Applegate

MINERAL ENGINEER - MATHEMATICS
Gregg Herbert Martens
Charles Allen Milligan
James Patrick Nelligan
Danny Lee Taylor

September 14, 1968

ENGINEER OF MINES
David R. Canning
Frederic Joseph Kerulis
Robert Anthony Reiseigh
Fred Charles Schulte
Robert Good Smith, Jr.
David J. Starbuck
David George Wahl
Daniel Patrick Zerga

METALLURGICAL ENGINEER
John Michael Neal
Vincent Anthony Polimeni
David Alden Wagers

GEOLOGICAL ENGINEER
Jack Erik Danel
Charles Michael Trautwein
David Edmund Wright

PETROLEUM ENGINEER
William Allen Abbott
J. Samuel Butler
John Philip Harpel, Jr.
Carl Michael Holmgren

PETROLEUM REFINING ENGINEER
Richard Norton Brown
Marion Clay Chambers, Jr.
Edgar Thomas Poy
Robert Southworth III
Verbon Paul Walker
John Ray Wise

GEOPHYSICAL ENGINEER
John Michael McIlvoy
Alpheus Chittenden Newman

MINERAL ENGINEER-CHEMISTRY
Thomas Howard Farley

MINERAL ENGINEER-PHYSICS
Joe William Gray

May 10, 1968