

RECORD OF PROCEEDINGS

5

to make brief presentations. Some were of the opinion that it was not an effective way to learn about the departments because of the setting. Mr. Schwartzberg thought it would be better to visit the departments personally.

Mr. Stockmar said he was very concerned about whether Board members individually or collectively really can properly have direct contacts with the faculty members or department heads without "short circuiting" the administration. He said at one time he thought such personal contacts would be helpful in his work on the Board but he had been strongly counseled against it and has since learned to appreciate the advice. He said members of the Board are held in greater awe than they realize and that attempts at personal involvement in School affairs can be destructive out of proportion to the information thus gained.

The suggestion was made that departments make presentations outlining their hopes, aspirations, and problems, beginning at the October meeting by a department picked by lot by President McBride.

It was agreed to begin the October meeting at 8:00 a.m. to allow time for this presentation.

American Indian Recruitment. Dean Culver introduced Mrs. Patricia Locke, Director, Planning Resources in Minority Education, Western Interstate Commission on Higher Education, and Mr. David J. Dunbar, Staff Associate of the same agency.

Mrs. Locke addressed the Board regarding the work they had done in the preparation of this report, dated September 2, 1977 and previously distributed to the members of the Board, entitled "Final Report to the Colorado School of Mines."

Mrs. Locke expressed the opinion that the successful recruitment and graduation of American Indians at CSM is possible in spite of rather severe barriers. She said the tribal chiefs are interested in seeing tribal members move into fields of energy development and management. The Indian people, she said, are becoming more sophisticated in these matters and realize if they are going to have control of their own resources they have to prepare tribal members for these responsibilities. Heretofore the motivation has been lacking.

She opened the discussion for questions and spoke to such questions as:

Q. How many tribes are in the area and what is their population?

A. Forty-three tribes, not all involved in energy; half of the population is under 16 years old; Navajos constitute half of this population; 1.2 percent of rural Indian males complete four years of college and 1.5 percent of rural Indian females complete four years of college. She said later the BIA is now sponsoring 17,000 students in college.

RECORD OF PROCEEDINGS

4

3. Encourage each faculty member to reflect on the opportunities for individual contributions to the above goals.

1978 Commencement Speaker. Mr. Grynberg, addressing this item, said it was customary to have a person of stature give the address and to award the speaker an honorary degree. He opined no better person could be obtained than Mr. Bill Coors, who has shown devotion to the School, who has made enormous contributions, especially in undertaking the monumental task of chairing the Resource Fund, and who is an outstanding speaker.

Mr. Grynberg moved, and it was duly seconded, and passed unanimously, that Mr. Coors be asked to give the Commencement speech and be awarded an honorary degree of Doctor of Engineering.

Mr. Coors said he was honored to accept.

Possible Conference on State/University Relationship. President McBride spoke about the steady erosion of the autonomy of state institutions and said it might be helpful to initiate discussion with and among the trustees of other institutions to determine whether in fact this erosion is seen by them as a concern and to concert ways to combat it, if it is desirable to do so. The question was raised if we wish to be the ones to initiate such an inquiry. Administrators of other state institutions were reported to be vitally concerned about the deterioration of their institutions into state agencies. The erosion seems to be effected by the bureaucracy in a process in which no one seems to know who is actually making the decisions. The opinion was expressed that because the Board, and the administration acting under the direction of the Board, is ultimately responsible to the citizens of Colorado there could be conflicts in prudent management of state property and funds.

Mr. Wilson thought the general philosophy of the process could well be studied. Why is this happening?

Mr. Stockmar said he will make inquiries of other institutions' Board members and will consider further the question of initiating such discussions.

Summer Mineral Economics Course. Mr. Grynberg reported that he has discussed this matter with others and that he knows of three alumni who will put up \$50,000 each for seed money toward this program. Mr. Stockmar, referring to the final report and recommendations by Professor Jean Paul Mather reported at the March 11, 1977 Board meeting, said that money was only one of the resources which had been lacking; the conclusion having been that we have neither staff nor facilities. (The new dormitory available summer 1979 could be a suitable residence.)

The matter was deferred until the members of the Board taking office since that matter was discussed have had an opportunity to read the report.

Departmental Presentations at Board Meetings. There was a discussion regarding the proposal that department heads and faculty members be invited to appear at Board meetings

RECORD OF PROCEEDINGS

3

Information copies of the committee report were made available to the Board.

Humanities Resolution. Mr. Grynberg said he, along with all other members of the Board, was very anxious to communicate to the Humanities Department as well as the faculty in general the desirability of improving our posture in the humanities. To this end, a resolution has been prepared by Dr. Copeland and approved by President McBride and Dr. Gary for the purpose of conveying this concern.

The resolution was considered excellent but the suggestion was made that items be added to articulate the goals of preparing graduates to appreciate and deal with the scope and complexities of society which go beyond the normal breadth of their jobs, of inculcating an understanding of the relationship of what they are doing to what others are doing, and of developing an environment in all courses that help the engineer to become socially and culturally aware.

Upon motion made, seconded, and passed the resolution was approved in amended form as follows:

The Board of Trustees of the Colorado School of Mines recognizes the obligation to produce educated and articulate mineral engineers. This reaffirms the statement contained in the CSM Faculty Handbook.¹ In brief, it should be the educational objective of this institution to produce a graduate:

1. Who possesses the technical training which has traditionally been held in high regard, and
2. Whose life is enriched by the broadest possible experience in arts, literature and social sciences consistent with the goal above, and
3. Who is aware of the interrelationships between his chosen profession and other human endeavors, and
4. Who can communicate easily and effectively with all segments of our society.

The Board of Trustees therefore wishes to:

1. Commend the members of the Department of Humanities for their professional and stimulating presentation at the 1977 summer conference, and
2. Encourage the CSM Faculty to give serious consideration to the means by which the above goals may be better achieved, and

¹CSM Faculty Handbook, Eighth Edition, August 1975, Page 1-2

RECORD OF PROCEEDINGS

2

can achieve specific task goals leading to complete compliance. An internal time schedule under date of September 9, 1977 has been established for the remainder of this fiscal year. Copies of the compliance schedule were made available to the Board. If this schedule cannot be met, a report to the Board will ensue.

Enrollment. Dr. Gary reported on preliminary registration totals as follows: total headcount 2540; ratio of resident/nonresident 70/30. In answer to a direct question, Dr. Gary said we have not changed our admissions standards.

Gift Review Committee. Mr. Stockmar reminded the Board that not every gift that might be given to the School is without its burden. He said for this reason a sub-committee of Board members, who are also CSM Foundation Board members, was appointed at the January 14, 1977 Board meeting to review major gifts being proffered. The sub-committee appointed in January included Mr. Bradley who is no longer on the Board and Mr. Stockmar therefore appointed Mr. James Wilson to replace him. The committee now is comprised of Messrs. Maytag, Stockmar, and Wilson. Mr. Wilson accepted the appointment.

1977-78 and 1978-79 Budgets. Mr. Scott reported that the 1977-78 operating budget in the amount of \$8,995,305 has been prepared, using the best estimate at this time of our tuition income. The JBC apparently made an error in our appropriation by extending rental income from the USGS into this 1977-78 fiscal year, and it appears further that the utility expense item in all agency and institutional budgets has been deliberately under-appropriated. Supplemental appropriations will be requested.

President McBride requested authorization from the Board to administer the funds appropriated to the Colorado School of Mines for 1977-78 fiscal year in a manner which will maximize their value to the School and best further the achievement of the goals established for the year, even if such administration requires deviation from the line items within the appropriation.

It was moved, seconded, and passed that the 1977-78 estimated budget in the total amount of \$8,995,305 be approved with this authorization.

The estimated budget request for 1978-79 in the amount of \$12,307,597 was approved.

Foreign Student Tuition. President McBride reported that, acting in response to questions by the Joint Budget Committee, particularly Senator Ted Strickland, a committee chaired by Dr. Copeland had studied the question of increasing tuition for foreign students to cover the full cost of education. The committee assigned to the task included representatives from other state colleges and universities.

The study showed that the proposed change in foreign student tuition would not generate, based on present rates, much more than an additional \$250,000 a year. The report submitted to Senator Strickland under date of April 20 has provoked no response.

~~PRELIMINARY~~
~~NOT APPROVED~~

RECORD OF PROCEEDINGS

Official Copy

Golden, Colorado
September 9, 1977

In substitution of the regular September meeting, the Board of Trustees met at 2:00 p.m. on September 9, 1977 in the Board Room.

Present: Messrs. Coors, Fogarty, Grynberg, Maytag, Schwartzberg, Stockmar, Tucker, and Wilson.

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

Mr. Grynberg presided.

Mr. Maytag moved that the executive session as shown on the preliminary agenda be removed from the agenda. Mr. Maytag expressed the opinion that such a session to discuss two specified items not clearly involving persons or negotiating matters but involving state funds is in violation of the Sunshine Law. Mr. Stockmar said it was not entirely clear whether the Sunshine Law applies to us at all and asked whether we should consider transmitting the question to the Attorney General for an opinion. ✓

Mr. Maytag said that, while he would be very interested in the opinion, he felt the intent of the law is not to transact state business other than in open session and that his motion was in order.

The motion was seconded and passed unanimously.

Previous Minutes. Upon motion made, seconded, and passed the minutes of the meeting held on July 15, 1977 were approved as drafted and distributed.

Regular Reports. Mr. Grynberg said he had asked President McBride to have the agenda show that these reports will be discussed only on Board request since in his opinion these could be delivered and reviewed individually by Board members. Dr. Fogarty said he was of a different opinion, that he appreciated the opportunity to ask Dr. Gary questions about new faculty appointments and also it saved his time to have Mr. Scott briefly summarize the financial reports.

Although there was no consensus as to procedure in the future, it appeared that the Board will continue to desire minimum presentations and reasonable opportunity for questions and discussions.

Audit Compliance Report. President McBride, Mr. Scott, and Mr. Stockmar reported on the Legislative Audit Committee hearing of August 9, 1977 and upon the status of the School's compliance with the State Auditor's Office requests concerning our business procedures. Mr. Scott noted that although the School has satisfied most of the item-by-item concerns expressed by the Auditor in recent years, we have been asked by the Auditor to be more specific about when we

RECORD OF PROCEEDINGS

8

a suggested process for developing a profile of the future CSM graduate which the sub-committee developed and which will be presented to the Council next week. The Chairman indicated that the suggested process appeared to be in line with the kind of procedure needed to follow through on the Board's discussions at their July 1977 planning conference.

Open Items from Last Meeting. Attention was called to items from the last meeting: obtaining an opinion from the Attorney General on the Sunshine Law as applied to CSM and approaching other governing boards in the autonomy matter.

Indian Recruitment. The matter is pending until funds are raised. President McBride said we are trying to put ourselves in a position to hire a director very quickly once funds become available.

The meeting adjourned at 12:30 p.m.

Secretary

RECORD OF PROCEEDINGS

7

Mr. Scott further reported that it will ultimately be desirable for the School to convey to the City of Golden that portion of Elm between 18th and 19th which belongs to the School for a north/south thoroughfare into town. No action was taken at this time, but it was the consensus of the Board that such action would be considered favorably. ✓

Mr. Tucker reported that quite a few names are on a petition to ask that the snack bar not be moved into the Integral Club area of the Student Center, a feature of the over-all Student Center rebuilding. There was considerable discussion of how this decision had been made and of the process by which student opinion had been sought. It was the consensus that nothing could be done to change the decision at this time without great expense and time loss. It was suggested that even greater effort be made to effect student involvement in future decisions affecting them.

Presidential Professorship. President McBride said that after talking to each member of the Board by phone and gaining unanimous approval of such action, he had duly notified Mr. Gousseland, Chairman of the Board and Chief Executive Officer of AMAX, and had made public, the announcement that the professorship will be designated the Ian MacGregor Presidential Professorship. ✓

Upon motion made, seconded, and unanimously passed, this action was confirmed.

Mineral Economics Executive Training Program. Mr. Schwartzberg said that inasmuch as all members of the Board had now seen Professor Mather's report on a training program in the field of mineral economics, he thought it appropriate to discuss the matter.

Mr. Wilson said he had read the report and was of the opinion that the models evaluated were inappropriate models. He said our market would not attract the same kinds of people. He thought we could build a multidiscipline program around an extractive energy theme and perhaps cover mineral management. He also suggested the location should not be limited to the campus; a much shorter course, four to eight weeks was mentioned, at some place such as Keystone or Aspen if campus facilities were deemed inadequate.

Mr. Schwartzberg thought it was a reasonable venture for us to take part in, not however trying to compete with the examples given in Professor Mather's report. ✓

Motion was made to instruct the administration to review the report and to prepare new proposals for Trustee review, keeping in mind a program that is specific to the mineral industries and limited to a period of four, five, or six weeks. The motion was seconded and carried unanimously.

Profile of Future Graduate. Mr. Welles spoke on this subject, saying that a sub-committee of the Administrative Advisory Council is working on it. He distributed copies of

RECORD OF PROCEEDINGS

6

It was agreed that the President of the Board be requested to appoint a sub-committee to continue discussions with the group and to report to the Board. ✓

The men thanked the Board and left the meeting.

Alternate Fuel Study. President McBride reported that, as directed at the May 5, 1977 meeting, he had entered into an agreement with Stearns-Roger Company to study alternate energy sources and that the report from the study is now at hand. He said that, if agreeable to the Board, he will turn the report over to a committee of faculty members for evaluation and recommendations. The Board instructed the President to continue and to bring the results back to the Board. ✓

Building Reports. Mr. Scott reported on the following:

Green Roof. One week away from completion.

U.S.G.S. Building. Occupied. Final cost approximately \$155,000 less than the initial budget.

Earth Mechanics Institute Building. In the process of architect selection and the preparation of ground lease.

Library Addition. Construction under way.

Dormitories. Documents are in the hands of state agencies.

Mining Building. Mr. Scott noted that the architect selection will as before be a two-step process; a sub-committee will screen possible candidates and submit its recommendations to the Board. He said he wished to ask the Board to consider this sub-committee at this meeting. President McBride reminded the Board that at the October 8, 1976 meeting a sub-committee for such a purpose had been appointed. However, it is not clear from the minutes whether this was an ad hoc committee or otherwise. The sub-committee appointed at that time consisted of Messrs. Coors, Grynberg, and Parrish.

It was moved, seconded, and passed that Mr. Stockmar as President of the Board be requested to fill vacancies on the designated sub-committee. ✓

Mr. Scott asked Board authorization to grant permission to relocate the Welch Ditch 15 feet to the northeast, and he reported that the City of Golden has, on first reading, vacated Maple from 18th to 19th. Both these are for the purpose of better utilization of space for the new dormitories. Motion to authorize the exchange of land deeds with the ditch company to enable moving the ditch was made, seconded, and passed unanimously. ✓

The Board authorized the signing of a ground lease for the site of the Earth Mechanics Institute. The lease will run to the CSM Building Corporation.

October 14, 1977

RECORD OF PROCEEDINGS

5

In view of the fact that the tuition program is apparently not achieving the purpose of providing an incentive to register for extra hours, the administration recommended that the program not be continued.

Mr. Wilson moved that the Board accept the administration's recommendation that the program not be continued. Motion was seconded by Dr. Fogarty. The vote - Ayes 2, Noes 2, with the Chairman voting to break the tie and noting no. The motion did not carry. ✓

Mr. Grynberg moved that the program be extended on a permanent basis, subject to the obtaining of funds. Motion was seconded by Mr. Maytag. It was noted that for the present semester there could not reasonably be an advance application procedure and that refunds would have to be made on the record only. Motion carried.

National Mining Hall of Fame. Representatives of the Clear Creek Mining Association, Mr. Douglas Watrous, Mr. Robert Wilson, and Mr. Robert Palmes, entered the meeting to bring the Board up to date on preliminary work being done to bring to fruition a Mining Hall of Fame and Museum. They noted the School owns about 37 acres across Highway 6 which would be an ideal location for the project. They reported that a nonprofit corporation has been formed, that the CU Architectural School is preparing preliminary drawings, that they are in the process of hiring a full-time curator, and that they are planning to enlist the help of the mining associations of 17 western states in a \$10 million fund-raising program.

The men spoke with great enthusiasm of the project and seemed assured of its success. The museum will exhibit the human aspect of the mining industry -- how people lived in the early mining communities. The aim is to emphasize the fact that early Colorado, and presumably the west, was not built just by the cattle industry but also by the mining industry. They want to build it close to the School to allow employment of the students and faculty and to encourage the synergistic effect of proximity of School and Museum. ✓

It was suggested that consideration be given to including our Geological Museum and to the inclusion of other "halls of fame," e.g. petroleum, etc.

The group requested that the Board look with favor on making the land available, recognizing they must evidence success in fund raising and that legislative approval of the land transfer will probably be necessary.

Mr. Schwartzberg thanked the gentlemen for the presentation and indicated it will take some time for the Board to come to a conclusion on the sale or lease of the land, this being the first information we have had about it. He said we obviously wanted to encourage the program and that at a subsequent meeting we shall make a decision.

RECORD OF PROCEEDINGS

4

President McBride distributed copies of a letter in response to the demand, dated September 28, 1977, which letter states that we elect to await the Colorado Attorney General's advice following an evaluation of an HEW reply to the Attorney General's letter dated September 19 giving the fundamental legal obstacles standing in the way of our completion of Assurance Form.

This action was taken on the understanding both that compliance can ultimately be achieved by signing, if it comes to that, and that the Attorney General will vigorously represent the School of Mines in defense of any punitive action on the part of HEW.

Commencement Speaker. Chairman Schwartzberg, departing from the prepared agenda, announced that President McBride had made available to the members just prior to the meeting a memorandum notifying them that Mr. W. K. Coors had, by letter, declined the honor of being the 1978 Commencement speaker. Mr. Coors was reported to feel, upon reflection, that it is inappropriate for a sitting Board member to be so honored.

Mr. Schwartzberg said under the circumstances he recommended prompt steps to secure another speaker. He noted that at the last meeting biographical information on three other potential speakers had been made available and it was likely Board members had other recommendations to offer.

A substantial discussion ensued, settling upon the desirability of selecting as a speaker a person of national prominence from the business community. President McBride was instructed to select and to commit to such a person. Mr. T. F. Bradshaw, one of the persons presented at the September meeting, was mentioned as being such a person.

Scholarship Aid for Students Carrying Hours in Excess of 18. Beginning in 1976-77, extra tuition was levied by the legislature for credit hours in excess of 18. Because Mines felt this practice penalized the capable students who could and did carry hours in excess of 18, there was initiated a scholarship program whereby students could apply in advance for financial assistance. If the student thereafter earned a 3.0 GPA, a refund was made for extra tuition paid. Dr. Culver reported our experience that the students misunderstood the purpose of the program and did not apply for tuition refunds. He estimated that approximately 100 students carried in excess of 18 hours and approximately 60 applied for tuition refunds. He did say that many of the better students, some of whom carried the excess hours, received other scholarships in amount in excess of tuition paid.

Upon inquiry, Dr. Gary said there has been, over recent years, a general reduction in hours carried. He said four years ago the average was 15.9 hours, last year it was 15.8, and this year it is 15.7. He said non-degree students, or students taking classes under the Continuing Education program, affected these totals.

RECORD OF PROCEEDINGS

3

Enrollment. Dr. Gary reviewed the official enrollment statistics: Headcount 2584, FTE 2702. He commented that there is an increase in women students, foreign students, and minority students. In answer to a question from Mr. Maytag, Dr. Gary said it is not possible at this time to account for the increase in foreign students since we do not yet have the breakdown of home countries.

1978 Medals. President McBride said he had asked that this item be placed on the agenda to remind the Board of the procedure followed in prior years. The Board has in the past instructed him to appoint a small working committee of alumni, faculty, and administrative personnel under his chairmanship to assay nominations received and then to report thereupon to the usual Board sub-committee, which reviews the recommendations and reports to the full Board for the selection.

During the discussion on this item, Mr. Maytag said he took exception to the generally understood requirement that attendance at Commencement was a requisite to receiving an award. After some further discussion it was agreed, President McBride having stated that his committee did not screen on the basis of ability and willingness to attend, that the matter of attendance could be discussed further when the sub-committee of the Board is appointed. On a related point, it appeared to be the majority opinion that deceased alumni should, as in the past, not be considered for posthumous recognition.

President McBride was instructed to convene his working committee to assay the candidates and to bring a report to a sub-committee of the Board not later than the end of January.

Section 504 of the Rehabilitation Act of 1973. President McBride reported as an information item the status of our complying with the Section 504 (handicapped) regulations promulgated by the Secretary of HEW. He reminded the Board that Mines receives about one-half million dollars annually in the form of student grants, this being the amount at risk if we are found not to be in compliance.

During the recent summer, each institution was sent a national standard Assurance of Compliance form, the signing of which would, in the opinion of the State Attorney General, constitute a breach of Colorado law on the part of the individual signer. The difficulty is that to sign promises, in effect, to spend state funds which have not yet been appropriated. In view of this, the presidents of all the state institutions signed the form with alterations specified by the Attorney General to bring the form into conformity with Colorado law. This mass "defiance" by Colorado of HEW has received national publicity. It is now known that Adams State College and the University of Northern Colorado have been notified that they are in compliance, presumably on the basis of having signed the altered Assurance of Compliance form identical to all Colorado institutions. Mines has been notified by letter that it is not in compliance and has been given ten days to sign the original assurance form. (As of October 17, Mesa, USC, CSU, WSC, and FLC are also known to have been notified of their being in noncompliance.)

RECORD OF PROCEEDINGS

changed on original

James

Correct

J. Tracey Jones <i>James</i>	15,000
Assistant Professor & Athletic Trainer Department of Physical Education & Athletics	
Warren E. <u>Jamison</u> ap?	21,000
Associate Professor of Basic Engineering	
Alexander A. Kaufman	22,000
Associate Professor of Geophysics	
Richard J. Krantz	12,000
Instructor in Physics	
Virginia A. Way	no compensation from CSM
Adjunct Lecturer in Physics	

Appointments made prior to October 14, 1977 meeting:

Wilson H. Herrod	700 per month
Assistant to the Director of the Potential Gas Agency (half-time basis)	
Jerald E. Jones	2,000
Part-time Instructor in Mathematics (fall semester salary shown)	
Paul C. Novak	12,500
Instructor in Mathematics	
Roger D. Strahl	4,000
Part-time Instructor in Mathematics (fall semester salary shown)	
Thomas K. Tulk	1,000
Adjunct Assistant Professor of Mineral Economics (Fall semester)	

Monthly Financial Reports. Mr. Scott made available the Investment Report, the Budget Report, and a Progress Report on the CSM Financial Management Plan. Mr. Scott reported that our tuition income is higher than budgeted due to the enrollment being higher than the budget basis, therefore the shortfall will be around \$70,000 rather than the higher figure earlier predicted. A supplemental appropriation request will still be necessary and will be noticed to the Board at a later date.

There was a discussion of progress in bringing our accounting system into compliance with requests made by the State Auditor and Legislative Audit Committee. Mr. Scott reported that we are making good progress, due in part to the assistance given us by personnel from CSU. Mr. Maytag asked if it would be helpful if the Board evinced its concern by writing to these state bodies to notify them of Mines' actions and progress and to request their views on our progress. The Chairman instructed President McBride and Mr. Scott to draft such a letter for consideration of the Board at the next meeting as to content and timing.

Office copy

~~PRELIMINARY~~

~~NOT APPROVED~~

RECORD OF PROCEEDINGS

Golden, Colorado
October 14, 1977

The Board of Trustees met in regular session on October 14, 1977 at 9:00 a.m. in the Board Room.

The meeting was preceded by a general presentation by the Department of Metallurgical Engineering.

Present were Messrs. Fogarty, Grynberg, Maytag, Schwartzberg, Tucker, and Wilson.

Absent: Messrs. Coors and Stockmar.

Mr. Schwartzberg presided.

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

Previous Minutes. Mr. Schwartzberg, in asking approval of the previous minutes, pointed out the changes made in the humanities resolution, which had been approved subject to certain amendments. It was the consensus that the changes correctly reflected those mandated by the Board, and it was moved, seconded, and unanimously passed that the minutes be approved as distributed.

Faculty Appointments. Faculty appointments made prior to and noticed to the September meeting but not read into minutes:

Charles S. Aldrich Instructor in Petroleum Engineering	\$12,500
Richard L. Bain Visiting Assistant Professor of Chemical and Petroleum-Refining	15,200
John A. Cordes Assistant Professor of Mineral Economics	14,000
Kenneth L. Crusha Radiation Safety Officer	25 per hour
Charles R. Groves Associate Professor of Basic Engineering	20,000
James L. Gulianelli Visiting Assistant Professor of Chemistry & Geochemistry	15,000
Glenn E. Handwerk Adjunct Professor of Chemical and Petroleum- Refining (fall semester)	500

October 14, 1977

Secretary

The meeting adjourned at 11:45 a.m.

Minning Hall of Fame. Mr. Stockmar reported that he has been meeting with representatives of the group interested in the Hall of Fame and has given them rather stringent and very specific requirements to meet in order for the School to lease the property to them. He said they must demonstrate that the venture will be successful before any agreement can be entered into with the School.

Mr. Maytag added to the discussion his view that quality rather than growth should be our primary objective.

Dr. McBride reminded the Board that these concerns will be thoroughly examined in the campus-wide effort to develop a new or reaffirmed profile of the Mines graduate of the future, and that these points will therefore be scrutinized very carefully at the July 1978 Board conference.

In response, President McBride said that it is of course a matter of continual concern to him and to the other members of the administration that the quality of education be enhanced rather than allowed to deteriorate and that he and his associates regret not having more time to devote to such matters, there being always and forever bureaucratic problems and procedures to be solved and satisfied.

RECORD OF PROCEEDINGS

RECORD OF PROCEEDINGS

8

Development Program. Mr. Coors announced that there has been a significant breakthrough in local foundation giving in that a second foundation who will be named in a public announcement later, has made a major contribution even though it has never been its practice to give to public institutions. He said this is particularly important in that it paves the way for other foundations to do likewise.

On the matter of soliciting financial support for the American Indian program, Mr. Coors reported further for The Resource Fund Executive Committee that it appeared some appeals had been made, or were about to be made, to persons and firms within the agreed purview of The Resource Fund development groups, to Mines overall detriment should conflicting proposals issue.

Upon extended discussion it was confirmed that the Foundation, under Mr. Maytag's direction and through its Resource Fund personnel, would strictly control all solicitation, including that for the American Indian program, and should expect to focus, for the latter, on foundations and other persons and groups expected to be supportive of such a program even though not otherwise interested in CSM Programs.

It was recalled that the first money raised was intended to hire a director to determine the feasibility of the entire concept.

Quality of Education. Mr. Schwartzberg undertook to discuss with the Board the topic of a possible decline in the quality of education at CSM, a topic which he and President McBride had earlier discussed. His interest in this topic has arisen from not only his own direct experience as a former student and as an employer of Mines graduates but from comments to him made by one or more employers.

Mr. Schwartzberg reported that the problems appeared to lie in the areas of communication skills, which the Board had certainly earlier recognized, and with the tendency to teach the use of handbooks rather than to stress originality and adaptiveness.

Mr. Schwartzberg opined that it should be the business of the Board not merely to hire administrators and to entrust to them the responsibility of developing and maintaining quality but also to interest itself directly in the process by which these things are accomplished.

Mr. Schwartzberg said further that he was coming to realize that the Board had probably erred in assigning to the administrative staff so much detail and reporting work that it was simply unable to discharge properly its quality development and monitoring duties.

Dr. Fogarty indicated his general agreement with the thrust of Mr. Schwartzberg's concerns, indicating not that he felt the quality of the Mines education had declined but he felt it the business of all to concern themselves lest this happen.

USGS Laboratory Dedication. Mr. Welles announced the date of the dedication of the new USGS Laboratories on campus as December 16, at 9:30 a.m. He invited all Board members to attend if possible.

The following matters are in addition to those listed on the meeting agenda.

President McBride asked all Board members who can to attend the hearing.

JBC Hearing. Mr. Welles distributed copies of information compiled for the hearing before the Joint Budget Committee that afternoon. The figures shown reflect the three high priority items of faculty salary increases of 15.4 percent, additional instructional support personnel, and additional faculty.

It was agreed that the School should take the lead in the utilization of coal, perhaps to the extent of pioneering new means of non-polluting coal gasification and even developing an experimental coal mine. Several members of the Board took copies of the Stearns-Roger report to have their professional staffs evaluate it.

Alternate Fuel Study. Dr. Gary said that after receiving the report from Stearns-Roger, Dr. Stermole, who had made an economic analysis of coal vs natural gas-fired boilers at the School. Considerable discussion ensued on the practicability of converting to a coal gasification or a direct coal burning system.

The administration was instructed to follow the development of the CCH master plan and to make known when and as appropriate Mines' views.

Mr. Scott reported he has been attending the meetings on the master plan and he was of the opinion that no change in our role is contemplated, and also no change in our governance. He further reported two matters of possible concern: (1) University of Southern Colorado to be designated a polytechnic institution; and (2) some changes in the assignment for governance of USC and Fort Lewis College to different overall boards than now provided.

Contact with Other Governing Boards. Mr. Stockmar reported that he has initiated discussions with persons on two other boards of control with the request they carry back to their boards the subject of increasing encroachment on the autonomy of our institutions. He said there is no question that other boards are also greatly concerned with this as well as with the master plan on higher education being prepared by CCH for presentation to the legislature early next year pursuant to mandate.

8. Executive Sessions. If a majority of the Trustees present so elect, the Board may enter into executive session, closed to the public, to consider bids, contract proposals, acquisition or sale of property, investments, appointments, honors and other personnel matters, donor prospects, and attorney client communications, provided, however, that no final policy decision or formal action shall be taken, nor shall any resolution, rule, or regulation be adopted, nor shall any action be taken approving a contract or calling for the payment of money at any session which is closed to the general public. The Secretary of the Board shall be responsible for the maintenance of topical minutes of any executive session.

Upon extended discussion and following failure of a motion to adopt a bylaw including the "catch-all" phrase, a motion was made, seconded, and passed to amend the bylaws by the inclusion, with renumbering of the succeeding existing bylaws as necessary, of a new bylaw 8, taking account of Mr. Stockmar's specific suggestions, and reading as follows:

Mr. Coors suggested the "catch-all" phrase be eliminated, saying that if it became necessary to have an executive session not covered by the bylaws as written, change can be made at that time.

Mr. Maytag repeated his objection to the "catch-all" phrase "... and any other matter which, if discussed in public, could adversely affect or compromise Colorado School of Mines rights or liabilities."

Amendment to Bylaws. With regard to the draft by-law amendment presented to the meeting of November 11 and now up for adoption it desired, Mr. Stockmar said he was of the opinion that there were three additional specific matters which should be mentioned as occasions for executive sessions of the Board. These are (1) selection of commencement speaker pending discussion, invitation, and acceptance by person invited; (2) candidates for medals and honorary degrees; and (3) identities of persons being solicited for gifts.

Upon motion made, seconded, and passed the firm of McMorran Obermeier Goss Bershof (MOG) was approved for the Earth Mechanics Institute Building.

Mr. Grynberg, chairman of the architect selection sub-committee not being present, Mr. Coors reported that Mr. Grynberg had made in-depth studies of the three firms under consideration and had recommended to the sub-committee the firm of McMorran Obermeier Goss Bershof (MOG). Mr. Coors and Mr. Wilson concurred in this choice. This selection has to be confirmed through proper state channels, but in the meantime the firm is doing preliminary work on the project.

Architect for Earth Mechanics Institute Building.

RECORD OF PROCEEDINGS

5

MASTER OF SCIENCE (GEOPHYSICAL ENGINEERING)

Jose Manuel Souto Gonzalez
Dean David Hans Stoughton

MASTER OF SCIENCE (CHEMISTRY)

Alonza H. Love

MASTER OF SCIENCE (GEOCHEMISTRY)

Robert James Candito
Lawrence Jay Holcombe
Robert Austin Landress

MASTER OF SCIENCE (MATHEMATICS)

Roger David Strahl
Lyle R. Wilson

MASTER OF SCIENCE (MINERAL ECONOMICS)

Jacqueline Lang Adair
Manuel Eduardo Alegre
Italo B.F.A. Filisetti
Leopoldo Garcia Flores

Miguel A. Pena De Los Santos
John Alexander Luther Rense
Marco A. Spirgatis
David Royse Asher

DOCTOR OF PHILOSOPHY (MINING ENGINEERING)

Levent Ozdemir

DOCTOR OF PHILOSOPHY (METALLURGICAL ENGINEERING)

Donald James Kaczynski
Frank Thomas Zurey

DOCTOR OF PHILOSOPHY (CHEMICAL AND PETROLEUM-REFINING ENGINEERING)

Mazen Ahmad Shalabi

DOCTOR OF PHILOSOPHY (GEOPHYSICS)

Daniel Anthony Krygowski

DOCTOR OF PHILOSOPHY (MINERAL ECONOMICS)

Thomas Kevin Tulk
Olusegun Akinyemi Oduolowu

Acceptance of Class. Mr. Stockmar said he had asked Mr. Schwartzberg to accept the class on behalf of the Board. Mr. Schwartzberg said he is honored to accept this assignment.

Admissions Report. Dr. Gary, in calling attention to the admissions report, the first for this academic year, said it is too early to determine the trend but at this time applications are running 15 percent higher than this time last year.

December 9, 1977

Steven Ralph Chilcoat
Vicki Cowart
Omar Perez

MASTER OF SCIENCE (GEOPHYSICS)

Miloud Abdu-Salam El-Arabi
Eugene A. Fritzier
Margarita Delas Nieves Gallego
Glenn Curtis Gardner
Mukesh Kumar Gupta
Muhammad Ahmad Ali Hasanain
Carol Jean Payne
Raj Sharma
Phillip Dean Smith
Carlos Omar Zerpa P.

ENGINEERING)

MASTER OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING

Gary R. Hecox
Mohammed Vali Yousefpoor

MASTER OF SCIENCE (GEOLOGICAL ENGINEERING)

Michael L. Hendricks
Robert John Kline
Warren Stephen Lewis
Diane Eileen Westfahl

MASTER OF SCIENCE (GEOLOGY)

William A. Skelly
Linden Earl Snyder

MASTER OF ENGINEERING (GEOLOGICAL ENGINEER)

Daniel Wayne Elliott
Carmelio Augusto Goncalves
Stephen Edward James
Howard E. Janzen
Erol Ozensoy
Gary N. Reser
Donald David Schwenmer, Jr.

MASTER OF SCIENCE (METALLURGICAL ENGINEERING)

Carlos A. Alves
David Wilton Aschom
Glenn Lee Krum
Collin Lee Stewart

MASTER OF SCIENCE (MINING ENGINEERING)

Sheldon Thomas Edwards

MINERAL ENGINEER

James Craig Atkinson
Jason Charles Hauck
Bruce Elwin Mauer

BACHELOR OF SCIENCE (MINERAL ENGINEERING)

Scott Buckingham Anderson
Kevin Thomas Dickson

BACHELOR OF SCIENCE (MINERAL ENGINEERING PHYSICS)

~~Bruce William Colgate~~
Garron Morgan Woodruff

BACHELOR OF SCIENCE (MINERAL ENGINEERING MATHEMATICS)

Dennis Rigg Cahill
Robert Edward Crowder
Walter Henry Fulroth, Jr.
Paul Everett Harness
David Hall Waters

BACHELOR OF SCIENCE (GEOPHYSICAL ENGINEERING)

Gholam Reza Baghat-Vaji
Sheldon Thomas Edwards
Peter Raymond Pawlak
Mohamed Youse Shawch
Richard William Szepc
Steven Kent Westendorf

ENGINEERING)

BACHELOR OF SCIENCE (CHEMICAL AND PETROLEUM-REFINING

Stanley Lucius Atnipp
Patrick Arthur Cox
Mark Alois Denuy
Gregory Alan Drwenski
Kevin Farrell Kane
Dean Gilbert Lilley
Kevin Howard McCord
Richard Alan Samonte
Michael Anthony Vais
John Brent Warren
Mitchell Ray Whatley
Richard Robert Whitlow

BACHELOR OF SCIENCE (PETROLEUM ENGINEERING)

John Benjamin Ashby, Jr.
Jeffrey Eugene Carlson
Christopher John Howland Clark
Barry Linwood Gidman
David Allen Glater
Anthony Pestonato, Jr.
William John Robinson, Jr.
David Fredolin Volkert

BACHELOR OF SCIENCE (GEOLOGICAL ENGINEERING)

Arturo Jose Rivero Acosta
Benjamin Victor Clingan
Robert Donald Deister, II
Steven "Sandy" Dewesse
Duncan Lyle Hammon
John Michael Herr
Michael Patrick Kelly
Darrell Glenn Mores
David Allen Nugent
Steven Ivan Olson
Mohsen Shahnam
Shelley Joan Skopinski

BACHELOR OF SCIENCE (METALLURGICAL ENGINEERING)

Mark Andrew Balcar
Scott Blaine Carle
Paul Eugene Danio
Ben Brian Massie
Ralph Lee Nelms
Jerry Michael Nettleton
Steven Craig Phifer
Richard Dennis Rein
Richard Canney Rodriguez
Stephen M. Schwartz
Robert Michael Taylor
Joey V. Tucker
John Stephen Voris
Samuel Maurice Wiley, Jr.

BACHELOR OF SCIENCE (MINING ENGINEERING)

Upon motion made, seconded, and unanimously passed, the following were approved for degrees on December 22, 1977, subject to the completion of all academic requirements and continued compliance with school requirements and regulations.

RECORD OF PROCEEDINGS

2

Student Member. Chairman Tucker said that ordinarily there would be a new student member introduced at this meeting, since he was to receive his degree this month and his term is therefore expiring. He reported there had been some difficulty with the run-off election and that another election will be held in time to provide a replacement for the January meeting. Chairman Tucker introduced the two candidates for the office, who were attending the meeting as guests, Mr. John Hissem and Mr. Steve Ruehle.

Mr. Stockmar, speaking on behalf of the entire Board, expressed to Mr. Tucker appreciation for his insights and his assistance given during his term of office and wished him well in his career. He presented to Mr. Tucker a silver certificate of appreciation.

Previous Minutes. The minutes of the meeting held on November 11, 1977 were approved as distributed.

Monthly Financial Reports. Mr. Scott presented the monthly Investment Report, the Budget Report, and the Progress Report on the CSM Financial Management Plan.

As instructed at the November 11 meeting and to the point of saving time in the construction of a second dormitory when needed, a flow chart of steps required in the procedure necessary to get a capital construction project contract awarded had been prepared. No time estimates were noted. Upon discussion it was agreed that, assuming the second building to be essentially a duplicate of the one now under bid, little if any time can be gained in advance of decision to build.

New Dormitory Facilities. It was reported that firm estimates indicate that to construct the new facility with solar heating and cooling will exceed the budget. The Board was asked to authorize the total project amount increased from \$3,760,000 to \$3,960,000 for the purpose of covering bids on the solar heating alternate, with the understanding that the extra funds will come from private sources. A second CCHE approval of the amended application is needed and is expected timely.

Upon motion made, seconded, and passed the Board approved the total amount of the project to be \$3,960,000 but retained the option of spending less, as for example by rejecting any and all alternates, at its sole discretion.

Candidates for Degrees. Distribution was made of lists of candidates for degrees as recommended by the graduate and regular faculties at the meetings held on November 2 and November 16, 1977, respectively.

(It is noted that degree candidate, Michael A. Vais, B.S., Petroleum Engineering, whose name appears on the approved list, has not been approved by the faculty due to having been added after the faculty meeting. Trustee approval of this candidate is understood to be contingent upon proper approval by the faculty at its scheduled meeting on December 14, 1977.)

Office Copy

RECORD OF PROCEEDINGS

Golden, Colorado
December 9, 1977

The Board of Trustees met in regular session on December 9, 1977 at 9:00 a.m. in the Board Room, the session having been preceeded at 8:00 a.m. by an informational report on the Geological Engineering Department by Professor Joseph Finney, Head.

Present: Messrs. Coors, Fogarty, Maytag, Schwartzberg, Stockmar, Tucker, and Wilson.

Absent: Mr. Grynberg.

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

Mr. Tucker presided.

ATO House. Chairman Tucker, in order to accommodate the schedule of a student ATO who was present, asked Mr. Stockmar, as an item not shown on the agenda, to bring the Board up to date on the situation with regard to the acquisition by the School of the ATO fraternity house site. Mr. Stockmar reported that the ATO house association had asked for a meeting with representatives of the Board to discuss, without prejudice to current or future negotiations, the School's acquiring the ATO house as part of the site for the new mining building. The meeting occurred on December 8 with representatives of the fraternity, Mr. Stockmar, Mr. Schwartzberg, and Mr. Bradley. Mr. Bradley had attended as an Emeritus Trustee both familiar with the City of Golden and possessed of experience with the acquisitions of the old SAE site by the School.

The fraternity representatives indicated it is without funds or sources of funds; therefore they perceive that if they are required to sell the house to the School at fair market value they will not be able to construct a new house. They feel the School should give them replacement costs, rather than appraised value, which is a difference between \$400,000 on one hand and \$100,000-\$125,000 on the other. ✓

The Board representatives indicated that the Board was bound not only to deal equally fairly with all from whom land is to be acquired but to exercise prudence in spending state funds, hence its restriction to fair market value.

It had been proposed that the present structure be retained by the ATO's and moved to a new location. This was reported to have been explored with 12 moving companies, all of whom said it could not be moved. They are now investigating the matter with another moving company.

In conclusion it was reported that, although the Board and its representatives remain available for discussion, the matter has been returned to the administration to negotiate in the usual way.

December 9, 1977

RECORD OF PROCEEDINGS

6

President McBride reminded the Board that we cannot use the buildings without authorization from the State. Parking was briefly mentioned. The future use of Stratton Hall was mentioned. The possibility of having our old buildings, Engineering Hall, Stratton, and Chauvenet, named to the list of Historical Landmarks was mentioned. ✓

Mr. Bradley said that they are not seeking an immediate answer, but was presenting the matter as information at this time. Mr. Bradley and his associates expressed willingness to review possible futures for Stratton Hall also. The entire subject will be carried on a future agenda. ✓

The meeting adjourned at 12:00 noon.

Secretary

RECORD OF PROCEEDINGS

5

Mr. Grynberg reminded the other members of the Board that he was very interested in establishing a petroleum hall of fame either in connection with or parallel to the Mining Hall of Fame, and discussion ensued on the point of there being, in fact, ample space available on the same site.

John A. Reeves. Mr. Stockmar reported that Mr. John A. Reeves, member of the Board from May 1973 to December 1975, who had elected at one time not to become a Trustee Emeritus, has recently found it possible to reconsider and to accept. Mr. Stockmar expressed his pleasure at again having the benefit of official contact with Mr. Reeves, who is knowledgeable about matters of concern to us.

Title of Dr. James H. Gary. President McBride reported that Dr. Gary is of the opinion that "Dean of the Faculty" title carries a connotation not always associated with the title "Vice President for Academic Affairs". Dr. Gary has recommended that he carry both titles and President McBride has now concurred in that recommendation and has put it into effect.

Property, 812 Sixteenth Street. Mr. Scott noted there has become available for purchase a house within our Master Plan at 812 Sixteenth Street. He requested that it be recommended to the CSM Foundation that they use funds to acquire this property now and that we request an appropriation to reimburse the Foundation and secure the property in the name of the School.

Upon motion made, seconded, and passed, the Board voted to recommend to the CSM Foundation that it buy the property for later transfer to the School.

Other Business. Mr. Schwartzberg inquired of Mr. Stockmar if he had approached other governing boards on the subject of acting in concert to resist encroachments by the state bureaucracy. Mr. Stockmar said he had purposely waited until after the meeting with the Governor but would now soon do so.

Old Buildings. Mr. Leo N. Bradley and Mr. Langdon Morris entered the meeting at this time.

Mr. Morris, an architect who specializes in the preservation, restoration, and utilization of old buildings, has been employed by several alumni who are interested in saving the remaining old buildings on campus. He has done considerable work on possible utilization of Chauvenet Hall by the Alumni Association.

The work done by Mr. Morris looked to the purpose of housing the Alumni Association, the CSM Foundation, a faculty club, office space for consultants and Mines-connected agencies, a health club and possibly a food service/liquor operation. A total of 37,500 sq. ft. was involved at an estimated cost of \$950,000. Mr. Morris said the renovation being proposed will preserve all the existing wall system and thus one of the oldest buildings on campus can be saved and put to good purpose.

RECORD OF PROCEEDINGS

4

him to discuss a list of items which his staff had prepared. The last legislature placed a seven percent maximum increase on the 1978-79 general fund appropriation and thus the Governor is committed to that ceiling. Mr. Stockmar said he and the other members of the Board present at the meeting told the Governor that they understood this total limitation but did not expect to be directly bound by that limitation, that we employ zero base budgeting, and that we have tried for years to secure a standard engineering school budget. Mr. Stockmar said he thinks the Governor understands this well and that he is very supportive of our efforts and our special needs. He said the Governor, after about 20 minutes, dismissed his staff and spoke very frankly of the problems involved in funding higher education as it has proliferated within the State.

Sunshine Law. Mr. Stockmar reported that Mr. Ira Rothgerber had been commissioned to present an opinion on the question of whether the Sunshine Law applies to the Colorado School of Mines Board. The opinion is that the law as presently adopted does not apply to us. He said that Mr. Rothgerber recommended a change in our bylaws to enable the Board to have executive sessions, but that inasmuch as the required ten days' notice had not been given, the item appeared on the agenda for discussion only.

Mr. Stockmar said that as the full Board was present, the Board could, upon unanimous consent, waive the requirement specified in the bylaws that ten days' notice be given. Mr. Maytag indicated his intention not to consent to such waiver and said further that he was a strong supporter of the Sunshine Law and even if official action is confirmed in a public meeting the debate leading to official action is important and should be a matter of public record. Mr. Stockmar said he knew first-hand of cases in the past where irreparable harm could have been done to the School and to individuals if discussions had been held in public.

Mr. Stockmar indicated that, the waiver failing, notice is being given at this time that it is intended to change the bylaws to allow executive sessions to be held when necessary. He said the draft as distributed at this meeting will be reviewed and all members of the Board are invited to send to President McBride any alternations wished to be considered.

Lunch with CSMRI Board. President McBride relayed to the Board an invitation from the CSM Reseach Institute Board to join it for lunch following the morning meeting of the former and prior to the afternoon meeting of the latter on February 10, 1978. The Board accepted the invitation, concurring in the desirability of thus securing closer contact between the two boards.

Board Committees. Mr. Stockmar reported that he had appointed the architect sub-committee, as earlier reported, consisting of Messrs. Coors, Grynberg, and Wilson.

For contact with the people interested in establishing a Mining Hall of Fame, he had appointed Mr. Wilson to serve with himself.

November 11, 1977

RECORD OF PROCEEDINGS

3

Upon motion made, seconded, and passed, the Board approved the invitation to Mr. Anderson and the intention to award to him an honorary degree of Doctor of Engineering.

Dormitories. Mr. Grynberg has expressed concern that, due to the lead time necessary, we shall again be in an emergency situation with housing in a couple of years. Mr. Scott responded that should enrollment continue to rise it is an explicit assumption that we shall duplicate the unit now in the planning stage. He said the need for more housing must be evident before justification can be made with the state systems. Mr. Wilson said there is a need to articulate the dimensions of the entire situation so that we shall know what factors to observe in planning. Mr. Scott was instructed to prepare a brief memorandum itemizing the items involved and steps which need to be taken, the timeframe to accomplish approvals and construction, and some idea of what requirements are to get past each step. ✓

Architect Selection for Mining Building. Mr. Grynberg, as chairman of the Board sub-committee for the selection of the architect for the new mining building, gave the report of work done.

He said that, although he regretted not having been included in the full screening process as a representative of the Board, as had hitherto been provided, the committee had done an excellent job and had first reduced the number from 42 to ten and then to four. At one point, the Trustee committee had discussed the possibility of interviewing, in addition to the four, the two architectural firms now involved in campus building, but both had declined the invitation to appear. Mr. Grynberg pointed out that their participation in the interviewing for this new project would have been contrary to state guidelines.

Mr. Grynberg reported that the sub-committee consisting of Messrs. Coors, Grynberg, and Wilson had voted unanimously to recommend the firm of Lamar Kelsey Associates, Inc. ✓

Upon motion made, seconded, and passed, the Board approved the recommendation to employ the firm of Lamar Kelsey Associates, Inc. to design the George R. Brown Hall.

Mr. Stockmar thanked the sub-committee for the work it had done.

(Upon motion made, seconded, and passed the sub-committee of Messrs. Coors, Grynberg, and Wilson was authorized to select the architect for the Earth Mechanics Institute Building from a list also prepared by the state screening committee.) ✓

Meeting with Governor. Mr. Stockmar reported on the meeting held October 24 with Governor Lamm. The Governor, in preparation for the budget to be submitted to the legislature, invited all trustees of state public institutions to meet with

RECORD OF PROCEEDINGS

2

follow progress until procedures are in fact fully acceptable. The letter was approved and will be sent soon after December 1.

Mr. Stockmar reported that the Investment Committee of the CSM Foundation, which also supervises School investments, is maintaining a strong cash position. President McBride reported that a one million dollar payment from the Brown Foundation is to be made soon, and in view of the fact that it will likely be made in Halliburton capital stock, Mr. Stockmar asked that Mr. Scott contact him about having the gift made and converted into cash in Houston, rather than take the risk of the stock declining in value.

Cooperative Education. Dr. Culver gave an up-date report on cooperative education, discussed by the Board several years ago and deferred at that time.

As background for this report he said cooperative education of interest here is a program of alternating work, either in industry or government, with study period. Advantages to the student: enables him to earn money, to get practical training to complement class work, presumably will make a more saleable product upon graduation. For the employer the program provides first opportunity to contact top students for employment, enables him to employ persons with practical experience, and of late assists him in complying with the Affirmative Action requirements. From the standpoint of the School, the program improves classroom interaction.

On the negative side, such programs extend the time required for obtaining a degree, interrupt class work, may cause housing problems, and from the School's standpoint it increases administrative costs in scheduling and counseling.

Dr. Culver said that the concept appears more feasible now than when it was discussed and deferred several years ago because with our increased enrollment classes which were offered only once a year then are now often routinely offered each semester. He said we are preparing to apply for a HEW grant of between \$40,000 and \$70,000 to enable us to employ a director. HEW is making such funds available on a 80/20 basis for the first year and thereafter on a diminishing ratio so that within five years the institution must be able to sustain its own program. At this time we have approximately ten students on such programs, but a director/counselor will enable us to go out and solicit jobs for students who wish to participate in such a program. It was agreed this was bound to be a good recruiting tool for companies and they probably will not object to a modest charge to help finance the program.

Mr. Stockmar thanked Dr. Culver for the report and asked that the Board be kept informed as to when another report should be made.

Commencement Speaker. President McBride reported that, pursuant to Board direction given at the meeting of October 14 and as later reported to the Board by memorandum, he had extended to Mr. Robert O. Anderson an invitation to address the Class of 1978 at Commencement. Mr. Anderson has accepted the invitation to speak and has also expressed his appreciation for the intention of the Board to award to him an honorary degree of Doctor of Engineering.

Office copy

RECORD OF PROCEEDINGS

Golden, Colorado
November 11, 1977

The Board of Trustees met in regular session on November 11, 1977 at 9:00 a.m. in the Board Room.

Present: Messrs. Coors, Fogarty, Grynberg, Maytag, Schwartzberg, Stockmar, Tucker, and Wilson.

Mr. Stockmar presided.

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

Previous Minutes. President McBride pointed out two minor changes made in the minutes after they had been distributed, and the minutes were approved as corrected.

Faculty Appointments. Dr. Copeland, in the absence of Dr. Gary, reviewed the new appointments as follows:

- | | |
|--|---------|
| Charles F. Griswold | \$4,050 |
| Part-time Instructor in Chemical and
Petroleum-Refining Engineering | |
| John O. Kork | 1,500 |
| Adjunct Assistant Professor of Mathematics
(fall semester) | |

Monthly Financial Reports. Mr. Scott made available the Investment Report, the Budget Report, and the Progress Report on the CSM Financial Management Plan. He commented that his personnel have been flow-charting a number of items, of which he provided a list, for the purpose of tracing transactions within each sub-system. He said this will be helpful for future planning and has, in fact, already added a degree of confidence in the system we are using. He said the data processing people have been working on their procedures looking toward bringing our physical inventory up to date as part of the audit process.

Mr. Scott called attention to a new report, "Cash on Deposit". He said we are obligated under state regulations to utilize an imprest account. At the time the State put this procedure into effect they assumed obligation for our accounts receivable as well as accounts payable. The State Controller has been reviewing the account balance for all state agencies and has tentatively stated his intent to charge interest on non-appropriated accounts with negative balances and to pay interest on accounts with positive balances. ✓

On instructions at the October Board meeting, Mr. Scott and President McBride had prepared a draft of a letter to the chairman of the Legislative Audit Committee, for approval by the Board. The letter stated the Board's concern that our accounting procedures be improved and the Board's wish to ✓

Prospector Park (monthly rate)

1-bedroom apt 70
2-bedroom apt 85

No Change
in Rates

Mines Park (monthly rate)

Buffet apartment 120 util. incl.
1-bedroom apt 160 " "
2-bedroom apt 180 " "
2-bedroom hse (37, 38, 39) 205 " ", except water
2-bedroom hse (25, 26, 27, 28) 225 " ", except water
2-bedroom hse (30, 31, 34, 35) 175 + gas, elec. & water
3-bedroom hse 195 + gas, elec. & water

No Change
in Rates

ROOM AND BOARD CHARGES

Caldwell, Bradford, Randall,
Morgan, and Thomas

Present Rate
per Student

Proposed Rate
per Student

Academic Year

Double Room & Board

Double room	\$ 435	\$ 500
Board, 5 day 15-meal plan	660	700
	<u>1095</u>	<u>1200</u>
Double room	435	500
Board, 6 day 18-meal plan	700	740
	<u>1135</u>	<u>1240</u>

Single Room & Board

Single room	535	600
Board, 5 day 15-meal plan	660	700
	<u>1195</u>	<u>1300</u>
Single room	535	600
Board, 6 day 18-meal plan	700	740
	<u>1235</u>	<u>1340</u>

Dormitory Activity Fee 6 6

Field Session

Room only

Double room	85	95
Single room	105	115

Summer Session

Double Room & Board

5 day 15-meal plan	275	300
6 day 18-meal plan	285	310

Single Room & Board

5 day 15-meal plan	300	325
6 day 18-meal plan	310	335

Prospector Village

No Change
in Rates

Academic Year

3 students per apt 550

Summer Session

3 students per apt 140

Married Student Apts (monthly rate)

1-bedroom	120
2-bedroom	135
3-bedroom	155
2-bedroom, furnished	165

Graduate Sessions (Regular Academic, Summer Academic,
and Summer Field)

Tuition and fees are the same as for undergraduate students, with the following exceptions:

Thesis Research - Summer

Tuition, min. 3 sem/hrs
(Tuition is same as
for 14 or 8 weeks)

** Health & Acc. Fee	
14 weeks	\$10.50
8 weeks	6.00
Stu Center Fee, if on campus	9.50

Thesis Fees

Master's Degree	\$24.00
Ph.D. Degree	54.00

Graduation Fees

Bachelors	\$20.00
Professional Engineers	45.00
Masters	45.00
Doctors	45.00

* The insurance portion of this fee (\$30) may be waived under certain conditions. See subsection entitled "Student Health Program" in the General Catalog.

** Infirmary services only. Insurance available only on an entire summer basis, cost \$20.

7-13-77

TUITION AND FEES

<u>Student Load</u> <u>Sem. Hrs.</u>	<u>Proposed</u> <u>Resident/Sem.</u>	<u>Proposed</u> <u>Nonresident/Sem.</u>
23.0	\$407	\$1639
22.5	397	1598
22.0	387	1556
21.5	377	1515
21.0	367	1474
20.5	357	1433
20.0	347	1392
19.5	337	1351
19.0	327	1310
18.5	317	1269
9.5 - 18.0	307	1228
8.5 - 9.0	279	1107
7.5 - 8.0	248	984
6.5 - 7.0	217	861
5.5 - 6.0	186	738
4.5 - 5.0	155	615
3.5 - 4.0	124	492
2.5 - 3.0	93	369
1.5 - 2.0	62	246
.5 - 1.0	31	123
 <u>Fees</u>		
* Health and Accident	\$42.00	
Associated Students	11.25	
Athletic	15.00	
Student Center	20.00	
Total	\$88.25	
Orientation, New Stu	\$ 3.50	
 <u>Summer Session Field Courses</u>		
Tuition, 6 weeks	\$186	\$ 738
** Hlth & Acc. Fee, on-campus	\$ 4.50	
Stu Ctr, on-campus	8.00	
 <u>Summer Session Academic Courses</u>		
Tuition, same as regular academic sem.		
** Health & Acc. Fee	\$ 6.00	
Student Center Fee	9.50	
 <u>Mandatory Accident Ins.</u>		
Mining 318, semester	\$ 5.00	
 <u>Intensive English Course</u>		
Tuition, 11 weeks		\$1228
** Health & Acc. Fee	\$10.00	
Student Center Fee	9.50	
Summer Activity Fee	40.00	

DENVER
ASPEN
BOULDER
THE BROADMOOR
CHERRY CREEK
COLORADO SPRINGS
ENGLEWOOD
FORT COLLINS
GRAND JUNCTION
GREELEY
PUEBLO
VILLA ITALIA
NEW YORK
CHICAGO



MEMBERS
NEW YORK STOCK EXCHANGE
AMERICAN STOCK EXCHANGE
MIDWEST STOCK EXCHANGE

Attachment 1

Boettcher and Company

828 SEVENTEENTH STREET · DENVER, COLORADO 80202
(303) 292-1010 TELETYPE 303/292-1768

Board of Trustees

Colorado School of Mines

Golden, Colorado

For \$ ~~2,700,000~~ ^{3,785,000} ^{TPS} ^{DK} legally issued Dormitory and Student Center Revenue Anticipation

Warrants Bonds of the Colorado School of Mines

delivered to us in Denver, Colorado, dated September 1

1977, and to mature and bear interest as follows:

All warrants to mature on September 1, 1979, with interest payable semi-annually at the rate of 4.25% per annum.

said bonds to be in the denomination of \$ 5,000, bearing interest as shown above, payable semi-annually, both principal and interest payable at a bank or trust company of our choice

WE WILL PAY \$ ~~2,685,000~~ ^{3,760,980} and accrued interest from the date of the bonds to the date of delivery to us

Prior to our accepting delivery of said Securities, you agree to furnish a certified transcript of all legal proceedings requisite to their issuance and delivery, including a signature and non-litigation certificate in the customary form, evidencing the legality of said Securities and the security provisions relating thereto to the satisfaction of Tallmadge, Tallmadge,

Wallace and Hahn, Attorneys at Law, Denver, Colorado,

whose unqualified approving legal opinion in the customary form shall accompany said Securities at delivery.

These bonds are to be delivered to us on or before October 1, 1977, or thereafter at our option.

The cost of the printing of these bonds will be paid by Boettcher & Company and the fees of approving attorneys will be paid by Boettcher & Company.

[Faint, mostly illegible text, possibly a stamp or a very light print.]

Respectfully submitted,

Boettcher and Company

By Alexander Hahn
General Partner, Boettcher & Company

ACCEPTED for and on behalf of the Colorado School of Mines

, pursuant to authorization by its governing body, and receipt of the above mentioned check acknowledged, on this date, July 15, 1977

Attest: James C. Wilson
Signature James C. Wilson
Secretary, Board of Trustees
Colorado School of Mines
Official Title

Ted P. Stockmar
Signature Ted P. Stockmar
President, Board of Trustees
Colorado School of Mines
Official Title

(SEAL)

Secretary

The meeting adjourned at 11:10 p.m.

RECORD OF PROCEEDINGS

RECORD OF PROCEEDINGS

19

Guy T. McBride, Jr. President
James H. Gary Vice President for Academic Affairs
W. Gordon Scott Vice President for Business Affairs
William D. Copeland Dean of the Graduate School
John O. Golden Director of Research and Development

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

That the said Managerial Group is hereby delegated all of the Board's duties and responsibilities pertaining to the protection of classified information under classified contracts of the Department of Defense or User Agencies of its Industrial Security Program awarded to the Colorado School of Mines.

That the following named officers and members of the Board of Trustees and Colorado School of Mines administrative officers shall not require, shall not have, and can be effectively excluded from, access to all positions that would enable them to affect adversely the policies and practices of the University in the performance of classified contracts for the Department of Defense or User Agencies of its Industrial Security Program, awarded to the Colorado School of Mines, and need not be processed for personnel security clearance.

Officers - CSM Trustees

<u>Name</u>	<u>Title</u>
Ted P. Stockmar	President
Jack J. Grynberg	Vice President
James C. Wilson	Secretary

CSM Trustees

W. K. Coors	Adolph Coors Company Golden, CO 80401
Charles Fogarty	Texasgulf Inc., High Ridge Park, Stamford, CT 06904
Robert Maytag	1521 S. 8th Street, Room F, Colorado Springs, CO 80906
Fred R. Schwartzberg	765 Milwaukee, Denver, CO 80206
Joey Val Tucker	Box 24, Guggenheim, CSM, Golden, Co 80401

CSM Administrative Officer

John G. Welles	Vice President for Institutional Planning and Development
----------------	--

It was moved, seconded that the resolution be adopted.
Motion carried.

July 15, 1977

DENVER
ASPEN
BOULDER
THE BROADMOOR
CHERRY CREEK
COLORADO SPRINGS
ENGLEWOOD
FORT COLLINS
GRAND JUNCTION
GREELEY
PUEBLO
VILLA ITALIA
NEW YORK
CHICAGO



MEMBERS
NEW YORK STOCK EXCHANGE
AMERICAN STOCK EXCHANGE
MIDWEST STOCK EXCHANGE

Attachment 1

Boettcher and Company

828 SEVENTEENTH STREET · DENVER, COLORADO 80202
(303) 292-1010 TELETYPE 303/292-1768

Board of Trustees

Colorado School of Mines

Golden, Colorado

For \$ ~~2,700,000~~ ^{3,785,000} ^{TPS} ^{DK} legally issued Dormitory and Student Center Revenue Anticipation

Warrants Bonds of the Colorado School of Mines

delivered to us in Denver, Colorado, dated September 1 1977, and to mature and bear interest as follows:

All warrants to mature on September 1, 1979, with interest payable semi-annually at the rate of 4.25% per annum.

said bonds to be in the denomination of \$ 5,000, bearing interest as shown above, payable semi-annually, both principal and interest payable at a bank or trust company of our choice

WE WILL PAY \$ ~~2,685,000~~ ^{3,740,000} and accrued interest from the date of the bonds to the date of delivery to us

Prior to our accepting delivery of said Securities, you agree to furnish a certified transcript of all legal proceedings requisite to their issuance and delivery, including a signature and non-litigation certificate in the customary form, evidencing the legality of said Securities and the security provisions relating thereto to the satisfaction of Tallmadge, Tallmadge,

Wallace and Hahn, Attorneys at Law, Denver, Colorado,

whose unqualified approving legal opinion in the customary form shall accompany said Securities at delivery. These bonds are to be delivered to us on or before October 1, 1977, or thereafter at our option.

The cost of the printing of these bonds will be paid by Boettcher & Company and the fees of approving attorneys will be paid by Boettcher & Company.

PS This is a copy of the original... This offer is for immediate acceptance unless otherwise specified above.

Respectfully submitted,
Boettcher and Company
By Alexander Hahn
General Partner, Boettcher & Company

ACCEPTED for and on behalf of the Colorado School of Mines
pursuant to authorization by its governing body, and receipt of the above mentioned check acknowledged, on this date, July 15, 1977

Attest: James C. Wilson
Signature James C. Wilson
Secretary, Board of Trustees
Colorado School of Mines
Official Title

Ted P. Stockmar
Signature Ted P. Stockmar
President, Board of Trustees
Colorado School of Mines
Official Title

(SEAL)

Secretary

The meeting adjourned at 11:10 p.m.

RECORD OF PROCEEDINGS

RECORD OF PROCEEDINGS

19

Guy T. McBride, Jr. President
James H. Gary Vice President for Academic Affairs
W. Gordon Scott Vice President for Business Affairs
William D. Copeland Dean of the Graduate School
John O. Golden Director of Research and Development

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

That the said Managerial Group is hereby delegated all of the Board's duties and responsibilities pertaining to the protection of classified information under classified contracts of the Department of Defense or User Agencies of its Industrial Security Program awarded to the Colorado School of Mines.

That the following named officers and members of the Board of Trustees and Colorado School of Mines administrative officers shall not require, shall not have, and can be effectively excluded from, access to all positions that would enable them to affect adversely the policies and practices of the University in the performance of classified contracts for the Department of Defense or User Agencies of its Industrial Security Program, awarded to the Colorado School of Mines, and need not be processed for personnel security clearance.

Officers - CSM Trustees

<u>Name</u>	<u>Title</u>
Ted P. Stockmar	President
Jack J. Grynberg	Vice President
James C. Wilson	Secretary

CSM Trustees

W. K. Coors	Adolph Coors Company Golden, CO 80401
Charles Fogarty	Texasgulf Inc., High Ridge Park, Stamford, CT 06904
Robert Maytag	1521 S. 8th Street, Room F, Colorado Springs, CO 80906
Fred R. Schwartzberg	765 Milwaukee, Denver, CO 80206
Joey Val Tucker	Box 24, Guggenheim, CSM, Golden, Co 80401

CSM Administrative Officer

John G. Welles	Vice President for Institutional Planning and Development
----------------	--

It was moved, seconded that the resolution be adopted.
Motion carried.

July 15, 1977

RECORD OF PROCEEDINGS

18

WHEREAS the Board of Trustees in its regular meeting of March 11, 1977 discussed and approved the plans for an addition to the Arthur Lakes Library and after due consideration added the following items to the construction plan:

Upgrading links, special room, reference, documents, binding, gift books, vault, lockers, kitchen, fire alarm;

Expansion and redesign of the circulation area, entry way, display areas, and re-location of the administrative offices;

Air conditioning the addition and minimal air conditioning for existing structure;

Landscaping; and

WHEREAS the Board of Trustees thereupon expressed its intention of making the library of the highest quality and "obtaining additional funding necessary to do this"; and

WHEREAS it is now desired to have a more explicit statement of the terms of that commitment: Therefore be it

RESOLVED, that the Board of Trustees does hereby commit itself to supplying additional funding, from sources available to it, of up to \$400,000 to improve the areas specified above and to meet other expenses connected with providing a fully integrated and equipped library structure; and be it

RESOLVED, further, that these funds are expected to be supplied via the State of Colorado payment process for payment of the latter phases of the construction on an as-required and not on a lump-sum basis.

It was moved and seconded that the resolution be adopted. Motion carried.

Security, Research Contracts. Dr. Gary requested that the following resolution be adopted by the Board to meet national security requirements for conducting research contracts awarded to the School:

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

Mr. Scott explained the problem of scheduling the construction of the Mining and Basic Engineering Building and requested the consent of the Board to an approximate commencement of construction date of May 15, 1978. Mr. Scott outlined the benefits of determining that construction date to be:

1. Facilitate negotiation with present property owners;
2. Allow the students now living in Caldwell Hall, the ATO house, and apartments on the site to complete the 1978-79 academic year without disruption;
3. This date is believed to coincide with the probable completion date of the plans and the building period required by the State of Colorado.

The disadvantage of determining such a date is that should the planning and process be completed earlier the project will be subjected to additional costs of inflation during the interim. The Board indicated its consent to the May 15, 1978 target date.

Mr. Scott discussed Senate Bill 300 and its authorization to sell additional lots on West Campus Road. There are two requests for purchase pending, and Mr. Scott asked for Board consideration of price guidelines. Background was provided on the sale of previous lots in the early 1960's and discussion followed. It was moved and seconded that the School not sell nor swap the lots at less than a fair market price. Motion carried. The Board indicated its willingness to listen to future presentations concerning the value to the institution of encouraging social organizations to build and operate housing units.

Date Change, September Meeting. Discussion centered upon potential conflict with the American Mining Congress conference which is being held immediately following. The Board was reminded that the AMAX luncheon is scheduled for September 9 and it is hoped that as many Board members as possible will attend. The Board agreed to keep the meeting date September 9 but to change the time of the meeting immediately to follow the AMAX luncheon, tentatively 2 p.m.

Budget Parameters. Mr. Scott discussed the budget parameters for 1978-79, copy attached, and requested the Board grant its approval so that budget preparation could continue looking to a September budget submittal. It was moved and seconded the parameters be approved as submitted. Motion carried.

Library Resolution. Mr. Scott discussed the commitment of the Board of Trustees to provide additional funds for the Arthur Lakes Library addition, made at its regular meeting on March 11, and requested that the nature of this commitment be made more explicit for record purposes. The following resolution was introduced:

be intelligently implemented. It was moved and seconded that authorization be granted to expend up to \$8,000 of non-appropriated funds to hire consultants and prepare a report as to the feasibility and cost of an expanded Indian recruiting program. This should provide the administration with adequate information to recommend to the Board of Trustees the feasibility of implementing an American Indian mineral engineering educational program. This is with the understanding that reimbursement to the School would be sought from the Colorado School of Mines Foundation and if the Foundation does not appropriate the funds that Mr. Jack Grynberg will provide such funds from his personal resources. Motion carried. Mr. Grynberg thereupon stated that if the funds described above were provided by him it would be by reallocation of gift money already obligated to The Resource Fund. ✓

ROTC Program. President McBride reported that Lt. Col. Bernard, Commanding Officer of the ROTC Unit, had retired from the military due to medical reasons. His replacement is scheduled to report the first of October. The School has been notified that the ROTC program is on review because of the low number of commissions in recent years. In 1971 seventy officers were commissioned upon graduation. In 1977 there were four such commissions. The enrollment in senior ROTC course for 1977-78 is expected to be slightly below that required by the Army guidelines. ✓

Building Report. President McBride reminded the Board that at the February meeting the administration had been requested to proceed with the preparation of architectural sketches for possible use in securing funds to provide a ROTC building. President McBride stated that after discussions with Mr. Hideo Sasaki, planning architect, and others, it had been determined that there was no appropriate location currently owned by the School for the location of such a building. The possible use of remodeled Stratton Hall or Chauvenet Hall had been discussed as well as the inclusion of the Military Department within the new Mining/Basic Engineering Building. Given the uncertainties of the outcome of the program review and the difficulty in finding a suitable location for appropriate physical facilities, the President requested that further action be held in abeyance concerning the provision of ROTC facilities. Discussion followed. The technicalities of the "review" process as it might affect the need for a new ROTC building were questioned. In reply Dr. McBride quoted from the notification letter and stated that he would keep the Board informed as the process evolved. The impact of the present inadequate facilities, the morale of the assigned officer staff and the ill health of the past Commanding Officer were examined. It was moved and seconded that the action as stated in the February Board meeting to secure architectural assistance in planning ROTC facilities be delayed until the September 1978 Board meeting or earlier should the Army's review of the program be completed sooner. Motion carried. ✓

Mr. Scott reported that the contract for the repair of the Green Center roof had been awarded to Pinkard Construction Company and the work will begin as soon as the necessary materials arrive on the site. He further reported that bids for the addition to the Arthur Lakes Library will be opened August 9, 1977, at 3 p.m.

Tuition Fee and Auxiliary Service Schedule. Mr. Scott introduced the suggested schedule of tuition and fees for the 1977-78 academic year. He highlighted those fees which reflect a change from previous years and pointed out the tuition and charges were in conformance with the tuition rates specified in the Long Appropriation Bill. Discussion followed. It was moved and seconded that the rates as listed on schedule appended be approved. ✓

Section 504 Requirements. President McBride reported on the efforts of the School to comply with the recently released guidelines for Section 504 of the Rehabilitation Act of 1973. He explained that the section requires the School to make all its programs fully accessible to the handicapped and that the School not discriminate against the employment of qualified handicapped individuals. President McBride, along with the other presidents of Colorado colleges and universities, had signed a modified Assurance of Compliance form as prepared by the Attorney General's Office. Dr. Dale Foreman, the School Affirmative Action Officer, has been appointed as campus coordinator to assist with implementation of the guidelines. Academic programs will be evaluated to determine what physical modifications are required to allow access. The Colorado Commission on Higher Education will perform a statewide coordinating role in assisting the institutions to comply. In response to inquiry, Dean Culver replied that to the best of our knowledge we have no students currently enrolled for whom modifications of the program or current facilities will be required. ✓

American Indian Recruitment. Dr. Gary presented a progress report on the work of the committee constituted to study the feasibility of implementing a program to train American Indians as mineral engineers. He stated that the committee's tentative conclusions were that some of the aspects of the program appear attainable but that the goal of five graduates per year in the near future was considered unrealistic. President McBride reported on discussions held in Washington, D.C. with representatives of the Bureau of Indian Affairs and the Office of Education. Dr. Gary stated that it was the recommendation of the committee that consultants be hired to assist with or to prepare a definitive feasibility report for the September Board of Trustees meeting, with the target of recruiting applicants for the 1978-79 academic year if the program is found feasible. He estimated that the cost of such consulting and preparation could be up to \$8,000. Discussion followed. The composition of the committee and the method of selecting the consultants to be employed were reviewed. The statement of a Board position in favor of an Indian engineering educational program was discussed. The expected nature of the consultants report was examined, with discussion centering on whether it would be a program outlining steps toward implementation or whether it would be a report as to whether such an implementation is feasible. It was stated that there is no assurance that the report will conclude that we should have such a program.

Dr. McBride quoted the minutes of the June 10, 1977 Board meeting, Page 12, and stated his belief that the administration has carried out those instructions but that further assistance is needed to determine whether such a program can

RECORD OF PROCEEDINGS

14

STATE OF COLORADO)
) ss.
COUNTY OF PITKIN)

I, James C. Wilson, the duly qualified and acting Secretary of the Board of Trustees of Colorado School of Mines, do hereby certify that the attached copy of the minutes of a regular meeting of said Board, held on the 15th day of July, 1977, is a true and correct copy of the original minutes of said meeting on file and of record, and I do further certify that the copy of the Resolution appearing in such minutes is a true and correct copy of the original resolution adopted at said meeting, which minutes and resolution are on file and of record in my office.

WITNESS my hand and the seal of the Board of Trustees of Colorado School of Mines, this _____ day of _____, 1977.

Secretary

(S E A L)

July 15, 1977

RECORD OF PROCEEDINGS

13

7. That no owner or holder of any of the warrants authorized herein shall ever have the right to demand payment of any of said warrants or interest thereon out of any funds raised or to be raised by taxation, and said warrants shall never evidence or become a charge or claim against the State of Colorado, the warrant holders' sole right and remedy for payment being confined to the sources herein specified.

8. The provisions of this Resolution are severable, and if it should ever be determined by a court of competent jurisdiction that any part hereof is invalid or unenforceable, such determination shall not affect or impair the remaining provisions hereof.

9. That after said warrants or any of them shall have been issued, this Resolution shall not be changed, amended or revoked until said warrants and the interest thereon shall be fully paid, satisfied and discharged in the manner herein provided, except on the written consent of the owners of 75% of the warrants then outstanding.

10. That the Secretary of the Board be authorized to deliver to the purchaser of the warrants certified copies of this Resolution and of the minutes showing its adoption, together with such other certificates or documents as may be required, and to take such steps as may be necessary or advisable fully to carry out the purpose and intent of this Resolution.

ADOPTED AND APPROVED as of this 15th day of July, 1977.

President

(S E A L)

ATTEST:

Secretary

July 15, 1977

RECORD OF PROCEEDINGS

12

funding sources, from available cash or from any combination of these sources prior to September 1, 1979.

(d) To provide adequate liability and such other forms of insurance as would customarily be carried by a prudently managed institution owning a similar property having a like value in the same vicinity. Such insurance shall be in such amounts and in such responsible insurance companies as may be satisfactory to the purchaser of said warrants, its successors or assigns, and shall be payable in the event of loss to the Treasurer of the Board, for the purposes hereof. In case any loss should occur under any or all such policies of insurance, the Treasurer shall collect the insurance money payable thereon and hold the same in a separate fund, and upon receipt of a proper voucher from the Board showing that a sum or sums at least equal to the amount of the insurance money requested to be paid over has been expended in replacing or repairing the property lost or damaged, or in building, acquiring or erecting property of similar capacity and use as a substitute therefor, or if the Board shall show to the Treasurer that it has incurred an indebtedness in repairing the property lost or damaged, or in replacing a property of similar capacity and use as a substitute therefor, then the Treasurer, out of said insurance money, and only to the extent thereof, will reimburse the Board of pay such indebtedness on behalf of the Board, as the case may be.

(3) To protect and defend the validity of this Resolution and of the trusts created thereby, and of the warrants issued hereunder, against all attacks from whatsoever source, and in the event litigation should be commenced on account thereof, promptly to notify the warrant holders and allow such holders to participate in the defense of any such litigation; provided, however, that any such participation by the warrant holders shall be at their own expense.

July 15, 1977

5. That in case any warrant issued hereunder, with the coupons thereunto appertaining, shall become mutilated, destroyed or lost, the Board in its discretion may issue and deliver, upon cancellation of the mutilated warrant and coupons, or in lieu of or in substitution for a lost or destroyed warrant and coupons, a new warrant and coupons of like tenor and date, bearing the same number and the same denomination. In case of loss or destruction, the applicant for a substituted warrant and coupons shall furnish to the Board evidence to its satisfaction of the loss or destruction and shall also furnish such security or indemnity as may be required by the Board.

6. For the purpose of assuring payment of the warrants authorized herein, and for the equal and ratable benefit of the holders of such warrants and coupons, without any preference or priority of any warrant over another on account of actual time of execution or negotiation, or otherwise, and to secure the performance of and compliance with the terms and conditions of said warrants and of this Resolution, the Board hereby contracts, covenants and agrees with each holder of said warrants and coupons so long as any of said warrants are outstanding, as follows:

(a) To devote the entire proceeds realized from the sale of the warrants to the purpose hereinbefore specified, and, upon the construction and equipping of the Project, to maintain said Project in good condition and repair.

(b) To pay all necessary operating expenses, current maintenance charges, insurance premiums, the Paying Agent's fees and all other expenses incident to the operation of said Project when completed.

(c) To pay these warrants and the interest thereon from the net revenues of the Project, from the proceeds of revenue bonds or warrants, from government grants or loans, from private

RECORD OF PROCEEDINGS

10

(Form of Coupon)

No. _____

\$ _____

March,
On the 1st day of September, 19____, the Board of Trustees of Colorado School of Mines will pay to the bearer out of the sources designated in the Warrant to which this coupon is attached, but without liability or obligation otherwise, the amount shown hereon, in lawful money of the United States of America, at the First National Bank of Englewood, in Englewood, Colorado, being interest then due on its Colorado School of Mines Dormitory and Student Center Revenue Anticipation Warrant dated September 1, 1977, bearing

No. _____

(Facsimile Signature)
Secretary

July 15, 1977

RECORD OF PROCEEDINGS

9

conditions and things required to be done precedent to and in the issuance of this Warrant have been properly done, have happened and have been performed in regular and due time, form and manner as required by the Constitution and the laws of the State of Colorado, and that this Warrant does not exceed any constitutional or statutory limitation, and that provision has been made for the payment of principal of and interest on this Warrant by an irrevocable pledge of the funds specified herein.

IN WITNESS WHEREOF, The Board of Trustees of Colorado School of Mines has caused this Warrant to be signed with the facsimile signature of the President of said Board, sealed with a facsimile of the Seal of said Board, attested by the manual signature of the Secretary thereof, and the coupons to be signed with the facsimile signature of the Secretary of the Board, and this Warrant to be dated as of September 1, 1977.

COLORADO SCHOOL OF MINES

By (Facsimile Signature)
President

(FACSIMILE SEAL)

ATTEST:

(Do Not Sign)
Secretary

July 15, 1977

RECORD OF PROCEEDINGS

8

approximately 245 students and purchasing land therefor, and constructing and equipping additional student center facilities (herein the "Project"), on the campus of Colorado School of Mines, at Golden, Colorado; for the purpose of funding certain interest on this Warrant; and for paying necessary incidental expenses, said Warrant being issued under the Constitution and laws of the State of Colorado, and particularly Title 23, Articles 5 and 41, Colorado Revised Statutes 1973, as amended, and secured by and payable from the net revenues of the Project, from the proceeds of revenue bonds or warrants, from government subsidy grants or loans, from private funding sources, cash or any combination of these sources, to be issued or available prior to September 1, 1979.

This Warrant and the interest hereon constitute a special obligation of the Board, and is payable solely from the above-described sources and does not constitute an indebtedness of the State of Colorado. The holder hereof shall never have the right to demand payment of this Warrant or the interest hereon out of any funds raised or to be raised by taxation, and said warrants shall never evidence or become a charge or claim against the State of Colorado, the warrant holders' sole right and remedy for payment being confined to the sources herein specified.

This Warrant shall be a negotiable instrument in accordance with the laws of the State of Colorado, and shall be transferable by delivery.

It is hereby declared and represented that this Warrant was duly authorized by the Board at a regular meeting held on July 15, 1977, and that in issuing this Warrant, and while such Warrant is outstanding and unpaid, the Board has covenanted and agreed that it will pay this Warrant and the interest hereon from the source or sources specified herein.

It is hereby certified and recited that all acts,

July 15, 1977

RECORD OF PROCEEDINGS

7

(Form of Warrant)

UNITED STATES OF AMERICA
STATE OF COLORADO

No. _____

\$5,000

COLORADO SCHOOL OF MINES
DORMITORY AND STUDENT CENTER REVENUE ANTICIPATION WARRANT

The Board of Trustees of Colorado School of Mines, having control and supervision of Colorado School of Mines at Golden, Colorado (herein called the "Board"), for value received hereby promises to pay to bearer on the 1st day of September, 1979, but solely from the sources hereinafter specified, the principal sum of

FIVE THOUSAND DOLLARS

and to pay interest thereon from the date hereof at the rate of four and one-quarter per centum (4-1/4%) per annum, payable March 1, 1978 and semiannually thereafter on March 1 and September 1 each year until maturity, as evidenced by interest coupons hereto attached. Both the principal of and the interest on this Warrant shall be payable in lawful money of the United States of America, at the First National Bank of Englewood, in Englewood, Colorado, upon presentation and surrender of said coupons and this Warrant as they severally become due.

This Warrant shall not be callable for redemption prior to its maturity.

This Warrant is one of a series of Warrants of like tenor and effect, totalling Three Million Seven Hundred Eighty-Five Thousand Dollars (\$3,785,000), consisting of 757 Warrants in the denomination of \$5,000 each, numbered 1 to 757, inclusive, issued for the purpose of securing an advance of funds for constructing and equipping a student dormitory to house

July 15, 1977