STATE BOARD OF HIGHER EDUCATION
MINUTES OF MEETING HELD IN
ROOM 338, MICHAEL J. SMITH MEMORIAL CENTER, PORTLAND STATE
UNIVERSITY, PORTLAND, OREGON

July 24, 1972

MEETING #405-1 A regular meeting of the State Board of Higher Education was held in Room 338, Michael J. Smith Memorial Center, Portland State University, Portland, Oregon.

ROLL CALL The meeting was called to order at 9:00 A.M. (P.D.T.) Monday, July 24, 1972, by the President of the Board, Mr. George H. Layman, and on roll call the following answered present:

Mr. George H. Corey Mr. John D. Snider
Mr. Robert D. Holmes Mr. Loran L. Stewart
Mrs. Elizabeth H. Johnson Mr. Edward G. Westerdahl II
Mr. Philip A. Joss Mr. George H. Layman
Mr. John D. Mosser

Absent: None.

OTHERS PRESENT

Centralized Activities--Chancellor R. E. Lieuallen; Secretary R. L. Collins: Mr. Freeman Holmer, Vice Chancellor for Administration; Mr. J. J. Hunderup, Vice Chancellor for Facilities Planning; Dr. Miles C. Romney, Vice Chancellor for Academic Affairs; Mr. D. R. Larson, Assistant Chancellor; Mr. H. A. Bork, Consultant; Dr. George Diehl, Director of Communications Development; Mr. Arthur Mancl, Director of Campus and Building Planning; Mr. Richard Zita, Director of Publications; Mr. Ennis Wuite, Fiscal Analyst; Mr. M. A. Jennings, Data Systems Coordinator; Mr. R. P. Zook, Data Systems Applications Coordinator.

Oregon State University--President R. W. MacVicar; Dr. Roy Young, Vice President, Research and Graduate Studies; Mr. R. L. Floyd, Editor, Agricultural Experiment Station.

University of Oregon--President Robert D. Clark; Dr. Gerald Bogen, Vice President for Student Services; Dr. Burton Moyer, Dean, College of Liberal Arts; Mr. H. P. Barnhart, Director of Housing.

University of Oregon Medical School--Dr. M. Roberts Grover, Jr., Associate Dean; Mr. W. A. Zimmerman, Associate Dean for Business Affairs; Mr. Joe Adams, Assistant Dean for Institutional Relations.

University of Oregon Dental School--Dean L. G. Terkla.

Portland State University--President Gregory B. Wolfe; Dr. Joseph Blumel, Vice President for Academic Affairs; Mr. W. C. Neland, Director, Physical Plant; Mr. R. L. Merrick, Business Manager; Mr. Carter Stanley, Budget Officer.
Oregon College of Education--President L. W. Rice; Dr. Ronald L. Chatham, Assistant to the President.

Southern Oregon College--President James K. Sours.

Eastern Oregon College--President A. M. Rempel.

Oregon Technical Institute--President W. D. Purvine.

Others--Mrs. Maxine Warnath, Assistant Professor of Psychology at Oregon College of Education, representing the American Association of University Professors Federation; Mr. Richard Burke, Fiscal Analyst, Legislative Fiscal Officer; Mr. Bob Peck, Assistant Director, Educational Coordinating Council; Mr. Michael Lincicum, Planning Specialist, Educational Coordinating Council; Mr. Frank Majdali, Computer Specialist and Legislative Consultant, State of Washington.

Student Representatives--Mrs. Joan Eggleston, Chairman, Interinstitutional Union of Students; Mr. David Seideman, student representative on Finance Committee; Mr. Bill Wyatt, President, and Mr. Fred Loveys, Vice President, Associated Students, University of Oregon; Miss Bonnie Kooser, Controller, Associated Students, University of Oregon; Mr. David Dietz, President, Associated Students, Oregon State University; Representatives of the Amazon Tenants Cooperating Union--Mr. Greg Hartman, spokesman; Mrs. Marie Hartman, Mr. Jerry Andrews, Mr. Michael Doran, Mrs. Gail Builler, Mrs. Carol Reich; Mr. Richard Reich, Mr. David Hudson, Mr. Ronald Armstrong, Mr. Dennis Gilbert.

The Board voted to dispense with the reading of the minutes of the last regular meeting held on May 22, 1972, and the special meeting held on July 11, 1972, and approved them as printed in the preliminary minutes previously issued.

The Chancellor reported that the Educational Coordinating Council had set September 21, 1972, as the date for the statutorily-required meeting of the State Board of Education and the State Board of Higher Education. The meeting of the two boards with the Educational Coordinating Council will be held in Salem and will probably begin with a luncheon to be followed by the regular business meeting.

Mr. Mosser commented that two projects had been referred for study at the last meeting--one pertaining to libraries, and the other to vocational education in the metropolitan areas. He said he had not yet received any report on these two topics or other agenda items for the joint meeting. He indicated that there should be a carefully prepared agenda for the meeting. The Chancellor replied that an agenda was in the process of preparation by the Executive Director of the Educational Coordinating Council, the board-member committee appointed from the three boards and the executive offices of the three boards.
The Chancellor said that the staff of the Educational Coordinating Council had undertaken a follow-up study of the 1971 graduates of post-high school educational institutions in Oregon. This study, which is a sampling study rather than a total study, has been completed. He introduced Mr. Michael Lincicum, Planning Specialist with the Educational Coordinating Council, to present a review of the report and the highlights of the findings from the study.

Mr. Lincicum distributed copies of the report entitled, "Experiences of 1971 Graduates of Post-Secondary Educational Programs in Oregon." He also distributed copies of a second report entitled, "Future Plans of 1972 Oregon High School Seniors." Both reports are on file in the Board's Office.

Mr. Lincicum said that the survey of the experiences of the 1971 graduates was done as a part of the planning effort of the Educational Coordinating Council in assessing educational needs of the state. The sample consisted of 3,000 students selected from private colleges, State System schools, and the community colleges. Approximately 1,000 students from each group received a mailed-out questionnaire, and returns were received from 1,425 students, a response of approximately 48 percent.

Mr. Lincicum summarized the results obtained from the questionnaire, as follows:

1. The vast majority (89%) of 1971 post-secondary graduates either continued their education or obtained full-time employment immediately after graduation. The average unemployment rate for those who responded to the questionnaire was approximately 4.3 percent.

2. The majority (67%) of 1971 post-secondary graduates indicated that their primary reason for obtaining post-secondary education was to learn skills necessary for a job or career. Other factors also entered into their decision, but employment was the primary reason for seeking further education.

3. The primary reasons for obtaining post-secondary education vary significantly among graduates of the three major educational segments. Mr. Lincicum said that 80 percent of the community college students indicated their education was for job or skill-oriented purposes. This percentage dropped to about 70 percent in State System institutions and 50 percent in the independent colleges.

4. Most (71%) recent graduates whose primary reason for attending college was career-oriented obtained full-time employment after graduation.
5. The majority (84%) of graduates whose primary reason for obtaining post-secondary training was career-oriented are working in jobs which are either directly or indirectly related to their training.

In response to a comment concerning future surveys, Mr. Lincicum indicated that the staff of the Educational Coordinating Council has been working with the institutions to improve the procedure for collecting follow-up data on graduates of post-secondary institutions.

(Considered by Building Committee, June 27, 1972.)

Staff Report to the Committee

On March 10, 1969, the Board adopted automotive parking financial policies which provide that parking fees shall be charged if Article XI-F(1) bond proceeds have been used to finance the cost of acquiring sites or to make improvements thereto; and shall be charged even though such bond funds were not used, if the operating and maintenance cost averages $6.00 or more per parking space per year. When fees are to be assessed to users of automotive parking facilities, the rates of charge and income to be produced shall be in such an amount, which, with interest income, will provide sufficient funds to cover all operation and maintenance costs and also meet bond debt service and reserve requirements, where applicable, on the same basis as other projects financed from the proceeds of sale of Article XI-F(1) bonds. (In the event the debt service coverage on bonds sold to finance parking facilities requires an unreasonable charge, the Chancellor may authorize the use or reservation of commingled student building fees to meet current bond debt service and coverage requirements.)

Consistent with these policies, a five-year plan for land acquisition and improvements was prepared for Southern Oregon College, increasing the number of paved spaces from 488 available in 1971-72 to approximately 1,403 in 1975-76. During the same period, the number of rough-graded and gravelled spaces will be reduced from 1,002 to approximately 430, so the net gain will be about 343 spaces (from a total of 1,490 in 1971-72 to approximately 1,833 in 1975-76). This plan was correlated with the long-range master plan for the development of the campus, anticipating that certain temporary surface parking lots would be removed as the sites were required for building construction, and other areas would be improved for more permanent parking facilities. Reports have been made to the Board from time to time concerning the acquisition of land designated for parking purposes and financed from bond borrowings issued under the provisions of Article XI-F(1) of the Oregon Constitution.

Plans and specifications have been prepared for the improvement of an existing parking lot of 30 spaces east of the Siskiyou Commons, with access from Indiana Street, and a 184-space lot west of Mountain
Avenue across from the new Classroom Building (Music). It is expected that these 214 spaces would be paved, lighted and landscaped at an estimated project cost of $40,000. Projections of income and operating costs appear to fulfill the Board requirements in providing sufficient net income to meet the debt service requirements for all bond borrowings applicable to the land acquisition and improvements for parking. These projections of income anticipate a user fee of $20.00 per year for students and staff, representing an increase of $5.00 over the charge assessed in 1971-72.

The five-year plan for parking contemplates the acquisition of additional sites and improvements at an estimated total cost of $170,000 during 1973-1975, as noted in a separate agenda item applicable to the capital outlay requests for auxiliary enterprises.

**Staff Recommendation**

It was recommended that the proposed improvement of parking lots near Siskiyou Commons and west of Mountain Avenue (across from the Music Building) on the campus of Southern Oregon College be authorized within a total budget of approximately $40,000 to be financed from bond borrowings issued under the provisions of Article XI-F(1) of the Oregon Constitution. These lots will provide a total of approximately 214 spaces which are expected to be lighted and landscaped.

**Committee Discussion and Recommendation**

The Building Committee recommended that the Board approve the recommendations as presented.

**Board Discussion and Action**

The Board approved the recommendations as presented.

**Alterations for Computer Center and Art Laboratory in Britt Center, SOC**

On September 7, 1971, the Board authorized an allocation of $24,000 from the reserve for physical plant rehabilitation and minor capital outlay to cover the estimated requirements of remodeling and enlarging the west basement area of Churchill Hall at Southern Oregon College for the proposed relocation of the campus computer and the computer operating and management personnel from Taylor Hall. Although there has been some preliminary planning of these alterations, no construction work has been done. Further review of the matter has resulted in a recommendation to use a portion of the lower floor level within the Britt Center for this purpose rather than to move the computer center into Churchill Hall. The space recommended within the Britt Center had been proposed as part of the enlarged bookstore, but institutional officials have requested that it be retained for educational and general use. The area is sufficient to accommodate not only the computer center but also an instructional laboratory.
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for the Art Department adjacent to the existing ceramics laboratory. Although the architects for the Britt Center remodel project, now under way, have not had an opportunity to make precise estimates of the cost of the changes necessary, including the partitioning of the space for the computer center and the art laboratory, it is expected that the additional work can be accomplished within the total of $24,000 authorized previously for the proposed alterations in the basement of Churchill Hall.

Several advantages would accrue from the proposed change. Space released in Taylor Hall upon the transfer of the computer center and the art laboratory would be available for reassignment for the Division of Business and others who are in urgent need of additional office and classroom areas. The proposed major remodeling project in Churchill Hall would not be encumbered by the presence of the computer center. Furthermore, the reduction of area for the campus bookstore would permit a more efficient and economic operation, and the space would be utilized effectively for educational and general purposes.

Staff Recommendation

It was recommended that the funds allocated from the Board's reserve for physical plant rehabilitation and minor capital outlay on September 7, 1971, for alterations to the basement of Churchill Hall be made available, to the extent required, to remodel approximately 4,300 square feet on the lower floor level of the Britt Center at Southern Oregon College for the campus computer center and an instructional laboratory for the Art Department.

Board Discussion and Action

The Board approved the recommendation as presented.

(Considered by Building Committee, June 27, 1972.)

Staff Report to the Committee

Mr. J. Vern Owens, a long-term resident of Klamath Falls and a consistent and active supporter of Oregon Technical Institute throughout its 25-year history, passed away April 25, 1972. In recognition of his interest and involvement in the development of a state-supported vocational-technical school on the site of the former Marine Rehabilitation Center in 1947, his frequent and persuasive testimony before legislative committees and other groups in vigorous support of the institution's program, his service as co-chairman of the local campaign which resulted in the purchase and donation of the 150-acre site of the new campus, and his tireless promotion of the Institute through the remainder of his life, the administration, faculty senate and student senate have recommended that the Classroom Building, which is the academic center of the campus, be named in his honor.
Other buildings on the campus have been named previously after Earl Snell, Governor; Marshall Cornett, State Senator; and Henry Semon, State Representative—all prime movers in the founding of the institution.

Staff Recommendation

It was recommended that the Classroom Building at Oregon Technical Institute be named J. Vern Owens Hall.

Committee Discussion and Recommendation

The Building Committee recommended that the Board approve the recommendation as presented.

Board Discussion and Action

The Board approved the recommendation as presented.

(Considered by Building Committee, June 27, 1972.)

Staff Report to the Committee

The State Fire Marshal has directed that a complete fire sprinkler system be installed within the Erna Plageman Infirmary at Oregon State University and that ionization detectors be provided within patients' rooms, all of which are located on the third floor of the building. The remainder of the building accommodates the outpatient clinic, offices for the staff of the student health service, food service facilities, storage, etc. The original unit was constructed in 1936, but an addition was made in 1960 increasing the gross area of the building to approximately 31,419 square feet.

Plans and specifications for the proposed fire protection system have been prepared by Morrison, Funatake & Associates, Inc., consulting engineers, Portland. It is estimated that the total requirements for the project, including direct construction costs, professional service fees, supervision and miscellaneous expenses, will total approximately $35,800.

Staff Recommendation

It was recommended that the appropriate Board officials be authorized to approve the plans and specifications for the installation of a fire protection system within the Erna Plageman Infirmary at Oregon State University, solicit bids and award a contract for construction within a total budget of approximately $35,800. It was recommended also that the funds required for this work be provided from commingled student building fees.

Committee Discussion and Recommendation

The Building Committee recommended that the Board approve the recommendations as presented.
Board Discussion and Action

The Board approved the recommendations as presented.

(Considered by Building Committee, June 27, 1972.)

Staff Report to the Committee

As reported to the Board on March 28, 1972, arrangements were made with Cornell, Howland, Hayes & Merryfield/Hill, consulting engineers, Corvallis, for professional services relating to the proposed Spring Sports Complex at Oregon State University which would be located on a tract of approximately 21.3 acres bounded by Highways 20 and 34 on the south, 15th Street on the east, Western Avenue on the north and Brooklane Drive on the west. This property had been acquired by the Board in 1949 in anticipation of the development of auxiliary enterprises such as athletic facilities and parking. (Subsequently, it was considered as a site for additional student residence halls, but its development for athletic activities appears more appropriate.)

It is within easy walking distance of the campus and is well located for vehicular access. Parking areas on the site, combined with nearby parking along 26th Street for Parker Stadium and Gill Coliseum, would accommodate large crowds.

Institutional officials and the project engineers have filed with the Board's Office a conceptual study of the Spring Sports Complex which would be developed in several construction phases over a period of years, replacing facilities now located near the center of the campus.

Major components would include a new baseball field, an all-weather track, spectator seating, parking and related service facilities. Although the original program had anticipated some tennis courts within the complex, it has been determined that the site is not adequate to include them with the other athletic and recreational facilities. The development of the site is limited by the directional orientations placed upon the track and the baseball field because of wind and sun factors, and is somewhat limited also because of certain subsurface conditions.

The initial phase of construction, for which authorization is being requested, would be limited primarily to the track facilities, but would include utility services, fencing and the relocation of bleacher seating from Bell Field. (As noted in a separate agenda item, the proposed Intramural/Recreation Building authorized by the 1971 Legislature is expected to be located near the Men's Gymnasium and will thus encroach upon the site of the present inter-collegiate track on Bell Field. The need to replace this track immediately following the spring sports season in the Spring of 1973 influences the urgency of constructing new facilities within the Spring Sports Complex.)

The proposed track would be a 440-yard or 400-meter, synthetic surfaced, all-weather track with eight 42-inch running lanes and straight-of-way for the 120-yard or 110-meter hurdle events. Asphalt pavement, extending 8 feet outside the running area, would protect
the synthetic surface and allow future expansion to the nine 48-inch running lanes contemplated by the conceptual study for the ultimate development. (It is expected that the nine 48-inch running lanes would be completed by adding synthetic surfacing.) The finish line and judges' stand for all running events would be on the north-easterly side of the track on the opposite side of the field from the grandstand. Widening on the south interior curve would provide a water jump for the steeplechase event. Runways for the long jump-triple jump, high jump, javelin throw, and pole vault events would be surfaced with synthetic material. The shot put area would be constructed with a concrete circle and cinder surfaced impact area. The combination discus throw-hammer throw circle would be constructed of concrete and the discus-hammer impact area and the remainder of the infield would be grass sodded. A heavy safety screen around the discus throw-hammer throw circle would protect areas outside the impact area, and a low safety fence along the southerly limits of the discus impact area would protect the track and steeplechase water jump area.

The infield area would be depressed about two feet below the running track and would be equipped with washdown hydrants. A drainage system would be installed, but underground sprinkling would be deferred. The only covered team training facilities within the initial phase of development would be a lightly constructed covered exercise area of about 600 square feet without sides at the east side of the track. The special equipment storage building and the small metal hurdle storage building of about 100 square feet would be clustered at the north and south ends of the covered exercise area to give it wind and weather protection. A 20-foot high rope climb would be placed outside and adjacent to the covered exercise area. Maintenance storage would be limited to a small metal building of about 100 square feet.

The grandstand and press box at the existing Bell Field site would be dismantled, moved and erected along the northwest side of the new track. Portable concession stands and public toilet facilities would be moved to the public area at the south end of the grandstand for track events. The ticket sale stands would also be moved from Bell Field. The existing gravelled parking area, located in the western portion of the complex site, with access to and from 26th Street, would remain for vehicular parking. The existing intramural facilities along 15th Street, in the eastern part of the Spring Sports Complex, would remain as presently developed for intramural use.

Based upon the price level expected to prevail late in the Spring or early Summer of 1973 when bids may be received, it is estimated that the direct construction costs for the initial phase of the Spring Sports Complex would be approximately $271,410. The total project cost of $340,000 would be financed from gifts and balances available to the Athletic Department, except for $110,000 of self-liquidating bond borrowings budgeted as part of the proposed Intramural/Recreation Building for the relocation of the track facilities from Bell Field.
Staff Recommendation

It was recommended that the conceptual plan for the ultimate development of a Spring Sports Complex at Oregon State University be approved and that the schematic design phase of planning for the initial phase of construction, which is expected to be limited principally to the track and related facilities, also be approved. It was also recommended that the appropriate Board officials be authorized to instruct the project engineers to complete the design development and construction documents phases of planning for the first portion of the complex, estimated to cost approximately $340,000, solicit bids and award contracts for construction following authorization by the State Emergency Board or the 1973 Legislature.

RECAPITULATION UPON COMPLETION OF SCHEMATIC PHASE OF PLANNING (Phase I)

Project - OSU Spring Sports Complex

Engineers - Cornell, Howland, Hayes & Merryfield/Hill, Corvallis

Legislative authorization - To be requested from State Emergency Board or 1973 Legislature

Board's priority - Not yet established; being recommended as part of 1973-1975 capital outlay program for auxiliary enterprises

Estimated total project cost $340,000

Estimated direct construction costs $271,410

Tentative schedule:
Bidding - Late Spring or Early Summer of 1973
Completion - September 1973

Tentative financing plan:
Gifts (including $100,000 from OSU Foundation) $210,000
OSU Athletic Department balances 20,000
Self-liquidating bond borrowings issued under the provisions of Article XI-F(1) of the Oregon Constitution (budgeted as part of the Intramural/Recreation Building project authorized by the 1971 Legislature) - for replacement of Bell Field track facilities $110,000

Total $340,000

Committee Discussion

In response to questions during the Committee discussion, it was indicated that:

1. Adequate access to the Spring Sports Complex had been provided from the old Philomath Road-Western Boulevard area and from Highway 20 - the same access now provided for Parker Stadium.
2. The Complex will meet necessary requirements for Olympic competition.

3. President MacVicar of Oregon State University indicated that if adequate track facilities are not provided, one alternative would be for Oregon State University to withdraw from participation in this phase of intercollegiate athletics.

4. There has been no particular student reaction to the construction of this project, although a student vote in the general student elections this spring favored continued financial support from student incidental fees, paid by all students, for athletics.

5. Alternatives to the siting of the Intramural/Recreation Building (next item) were considered thoroughly, and the siting of the latter building using part of the present Bell Field track area, makes it necessary to move the Spring Sports Complex sooner than had been anticipated in order to prepare for the construction of the Intramural/Recreation Building.

6. The proposed project is compatible with the interests and functions of the CH2M offices located in the vicinity, in accordance with information received from CH2M.

Committee Recommendation

The Building Committee recommended that the Board approve the recommendation as presented.

Board Discussion

In response to a question concerning the location of the grandstand opposite the finish line for racing events, Mr. Hunderup said that this had been the recommendation from the institution but that he would check further with athletic officials to be certain that this was standard procedure. He also indicated that any necessary adjustments in the track season would be made in order not to impede the timetable for the Intramural/Recreation Building.

Mrs. Johnson asked if full consideration had been given to possible changes in future requirements for various types of athletic facilities. Mr. Hunderup responded that these questions have been given careful consideration at the institution. He mentioned that the proposed space would also serve recreational purposes and should receive extensive use for both intercollegiate athletics and student recreational activities.

Board Action

The Board approved the recommendations as presented.
Revised Schematic Design of Intramural/Recreation Building, OSU

(Considered by Building Committee, June 27, 1972.)

Staff Report to the Committee

On June 9, 1971, the Board approved conceptual studies prepared by Architects Balzhiser, Rhodes, Smith & Morgan for the future development of additional physical education and recreational facilities at Oregon State University. It was indicated that these facilities would be located west of College Drive (26th Street) between Intramural Lane on the north and Washington Way on the south. The Board also approved the schematic design phase of planning for the initial phase of construction, involving a gross area of approximately 61,024 square feet, for which legislative authorization was being requested as part of the capital outlay program for auxiliary enterprises during 1971-1973. This unit was identified as the Intramural/Recreation Building and was estimated to cost $1,305,000.

Subsequently, following legislative authorization of the project, institutional officials concluded that the building should be located in closer proximity to the Men's Gymnasium for economies of operation, improved scheduling opportunities, and greater flexibility in the long-range development of physical education and recreational facilities. A task force was appointed by President MacVicar to review the original program, solicit additional student opinions and formulate recommendations concerning the types of recreational spaces which should be included within the project. As a result of this re-study and further review by the architects and the campus planner, Mr. Louis DeMonte, a revised schematic design has been prepared. Generally, the kinds of activity areas to be provided are the same as those contemplated by the original proposal -- a multi-use gymnasium, handball and squash courts, etc. -- but arranged differently and with greater emphasis on casual use by individual students interested in weightlifting, exercises, table tennis, and other coeducational leisure activities. Under the revised plan, the principal access to the building would continue to be from College Drive (26th Street), but on the east side adjacent to and just south of the Men's Physical Education Building. This location preserves the relationship of the facility to institutional residence halls and to the center of the campus by being within the 10-minute walking circle. It is also close to the parking lots east and south of Gill Coliseum for easy access by students living off campus.

The initial unit would contain approximately 53,641 gross square feet and would provide a variety of physical activity spaces. The multi-use gymnasium could be used alternately (or in combination) as 3 basketball courts, 6 volleyball courts, 12 badminton courts, or for tennis, golf, archery, shuffleboard, roller skating, jogging, etc. A combative sports room would provide space for wrestling, tumbling, judo, etc. A weight room and a gymnastics room would accommodate exercising equipment, weight and other physical fitness equipment. Table tennis, dancing, meetings and audio-visual showings would be
accommodated within another activity room. Eight individual handball courts and 6 separate squash courts are included. The building is designed to function as a self-contained unit for casual use by all personnel; therefore, shower, locker and toilet facilities would be provided as well as sauna and lounge areas for men and women students.

Based upon the price level expected to prevail in January 1973, when bids may be received, it is estimated that the direct construction costs for the building would be approximately $1,349,662, or about $25.16 per square foot. The total estimated project cost remains $1,805,000 as authorized by the 1971 Legislature, but an allowance of $110,000 has been included within the budget for the proposed relocation of the intercollegiate track. (Inasmuch as the southern portion of the site impinges upon Bell Field, it is contemplated that a new track would be constructed within the proposed Spring Sports Complex described in a separate agenda item.)

Most of the Intramural/Recreation Building would be constructed of a combination of reinforced brick masonry and either poured-in-place or tilt-up reinforced concrete. The interior and exterior walls of the multi-use gymnasium would be suitably finished for game play. The walls of the squash and handball courts would be finished with cement plaster. Other activity rooms would have exposed brick walls. Some of the floors would be exposed concrete finished with a hardener, and those in the gym and playing court areas would be finished with a synthetic material. Shower areas would use ceramic tile while vinyl asbestos floor tile would be used in other areas. Heating would be provided from the campus central heating plant. Office areas would be provided with the potential for future air conditioning.

As noted, the revised schematic design provides approximately 7,383 fewer square feet of gross area than the initial proposal approved by the Board in June 1971. This reduction is attributable to fewer handball courts, fewer office spaces and a more compact arrangement of the spaces to suit the site. There is a potential for future horizontal expansion through the construction of additions to the south and/or the east. Because of the long spans required by the large spaces in this type of a facility, vertical expansion is not feasible economically. Except for the placement of the squash and handball courts on two floor levels, and a small basement area for mechanical equipment, the structure is basically a one-story building with high ceilings.

In view of the proposed recreational and intramural use of the facilities, the financing plan for the initial project anticipates the use of self-liquidating bond borrowings authorized by Article XI-F(1) of the Oregon Constitution and/or other balances available for auxiliary enterprises.
Staff Recommendation

It was recommended that the revised schematic design phase of planning for the proposed Intramural/Recreation Building at Oregon State University be approved and that the appropriate Board officials be authorized to instruct the project architects to complete the design development and construction documents phases of planning for the initial unit, and thereafter, subject to the release of the funds by the State Emergency Board, receive bids and make contract awards for construction.

RECAPITULATION UPON COMPLETION OF THE REVISED SCHEMATIC DESIGN PHASE OF PLANNING

Project - OSU Intramural/Recreation Building

Architects - Balzhiser; Longwood, Smith & Associates, Eugene

Legislative authorization - Chapter 709, Oregon Laws 1971

Board's priority - No. 12 in 1971-1973 (Auxiliary Enterprises)

Estimated total project cost $1,805,000

Estimated direct construction costs:
Total $1,415,000
Total (building and fixed equipment only) $1,349,662
Average (per square foot) $25.16

Tentative schedule:
Bidding - January 1973
Completion - August 1974

Tentative financing plan:
General obligation bond borrowings under the provisions of Article XI-F(l) of the Oregon Constitution and/or balances available for auxiliary enterprises $1,805,000

Committee Discussion

During the discussion it was indicated by Mr. Joss that it would be helpful to have a scale model for projects which involve a large investment of funds. It was stated that these could be less expensive cardboard models rather than elaborate precise models. Drawings of the proposed building elevations and building arrangements were shown on large easel cards.

In response to questions concerning the appearance of the building, it was stated that efforts were being made to minimize the apparent size of the building by depressing it into the ground and that the large exterior surfaces would be broken up as much as possible. Brick veneer is to be used so that the building will blend with other nearby structures on the campus.
It was stated that there is substantial student support for this project.

Mr. Mosser emphasized that cost escalations made it important to proceed as rapidly as possible with the bidding schedule for this project and that consideration should be given to moving the spring sports complex activities from Bell Field on a temporary basis if necessary in order to expedite the schedule for the construction of the Intramural/Recreation Building on the Bell Field site. It was further suggested that perhaps solicitation of the gift funds necessary to finance the moving of the Spring Sports Complex to the new site could be started immediately. President MacVicar stated that the financial campaign had been scheduled for summer and fall, but that it could probably be accelerated. In the meantime, alternative temporary locations for spring sports will be explored further.

The Building Committee recommended that the Board approve the recommendations as presented.

Board Discussion

During the discussion, Mrs. Johnson asked that the Finance Committee review the question of user charges for recreational facilities. She suggested the possibility of a flat fee for a quarterly membership, with the objective of achieving a self-supporting, self-liquidating status for some of these projects.

Board Action

The Board approved the recommendations as presented.

Staff Report to the Committee

On May 22, 1972, the Board authorized the staff to present to the State Emergency Board a request for authorization to proceed with the construction of the first phase of a proposed Environmental Fluid Dynamics Laboratory on the campus of Oregon State University. It was indicated that the initial facility would include a concrete wave tank, auxiliary equipment, utility service connections, site work and a small enclosure for the equipment within an estimated total budget of approximately $250,000. Funds required therefor were to be provided from gifts and grants, possibly including the use of some indirect cost allowances (building use credits) available to the institution from instructional and research contracts and grants.

Prior to the preparation of the request to the State Emergency Board for its consideration on June 19-20, institutional officials revised the budget downward to $197,000 by excluding the wave generator. This equipment unit, estimated to cost approximately $45,000 would be leased or obtained from gifts and/or grants outside the project.
budget. The revised net requirements of $197,000 would be financed exclusively from gift funds available to Oregon State University and would not involve any building use credits.

Although the Board authorized contractual arrangements with Cornell, Howland, Hayes & Merryfield/Hill, consulting engineers, for professional services relating to the project, with the understanding that such services applicable to the initial construction phase would be at no cost to the Board, an agreement between the Board and the engineers has not been executed. In lieu thereof, the arrangements for the design and construction administration by the engineers are being made through the Oregon State University Foundation, Inc., as part of the gift resources for the project.

As noted in the prior report to the Board, the proposed facilities are to be located on a two-acre tract west of 35th Street and south of Jefferson Street (extended), immediately adjacent to the National Environmental Research Center. The wave tank would be about 342 feet long and 12 feet wide. For most of its length, it would be about 15 feet deep, but a middle section would be about 33 feet deep. Its location and site orientation have been reviewed and approved by the campus planning consultant, Mr. Louis DeMonte. The initial project includes a Butler-type building to house the recording and control equipment, underground electrical service, water connection to the City's system, gravelled access road and parking area, fencing and other site work.

The direct construction costs are estimated to be approximately $144,000 out of the total project budget of $197,000. This initial installation would provide institutional personnel with the capability of undertaking various research projects supported by various federal agencies and private firms, corporations, etc. A proposal and fund commitment for a study of wave forces on placed stone structures has already been received.

Inasmuch as a major portion of the construction funds is being donated by Mr. O. H. Hinsdale with the understanding that the necessary approvals are obtained prior to July 1, 1972, the Board authorized the Committee on Buildings and Other Physical Facilities to take final action with respect to the plans and financial program for the project, subject to appropriate concurrence by the State Emergency Board.

Staff Recommendation

It was recommended that the schematic design of the initial phase of the proposed Environmental Fluid Dynamics Laboratory at Oregon State University, consisting principally of a wave tank and related site work, be approved and that the appropriate Board officials be authorized to accept the final plans and specifications, solicit bids and award construction contracts for the project within a budget total of $197,000 to be financed exclusively from gift and grant funds.
Committee Discussion

Mr. Hunderup reported that authorization had been obtained from the State Emergency Board to proceed with construction of the initial phase of the Environmental Fluid Dynamics Laboratory.

Committee Action

In accordance with authorization granted by the Board at its meeting on May 22, 1972, the Building Committee approved the staff recommendations as indicated above, including the awarding of bids by the Board's Office. Mr. Stewart was excused as a member of the Committee during consideration of this item and Mr. Westerdahl served in his place.

Board Discussion

Mrs. Johnson inquired whether the laboratory facility will be available for use by other institutions and agencies. Mr. Hunderup and President MacVicar replied that it was planned that such extended use will be available.

Board Action

The Board confirmed the action of the Building Committee as indicated above. Mr. Stewart was excused from voting on this confirmation.

(Considered by Finance Committee, June 27, 1972.)

Staff Report to the Committee

The charge for Room Only contracts of the cooperatives at Oregon State University covering the 1971-72 fiscal year were originally approved for rate increases ranging up to $43 per academic year. However, at the September 7, 1971, meeting, the Board reduced the rates to the prevailing level in effect during fiscal year 1970-71. This action was accomplished to comply with the spirit of the wage and price controls instituted by Presidential action in August 1971.

The Board's staff has reviewed the cooperatives' financial operations, consulted with Oregon State University fiscal personnel, and recommended that the rates for fiscal year 1972-73 be established at the same level which was originally approved for the current fiscal year. It should be noted that as of July 1, 1971, the sinking fund reserve account had only one-year debt service coverage. However, it is anticipated that the proposed rate increases for the next fiscal year will provide enough funds to cover the annual debt service in addition to the operating costs.
Staff Recommendation

It was recommended that the Committee propose Board action, after hearing, to adopt the rates shown below for 1972-73.

<table>
<thead>
<tr>
<th>Cooperative</th>
<th>Annual Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1971-72</td>
</tr>
<tr>
<td>Avery and Dixon</td>
<td>$316</td>
</tr>
<tr>
<td>Azalea, Heckart and Reed</td>
<td>$289</td>
</tr>
<tr>
<td>Coed Cottage and Oxford</td>
<td>$275</td>
</tr>
</tbody>
</table>

Committee Discussion and Recommendation

The Finance Committee recommended that the Board approve the recommendation as presented.

Board Discussion and Action

President Layman said that presentations in connection with cooperative dormitory charges for 1972-73 at Oregon State University were in order. Since no one requested an opportunity to be heard, the Board then considered the recommendation.

The Board approved the recommendation as presented.

(Considered by the Committee on Academic Affairs, June 26, 1972.)

The University of Oregon requests authorization to award a certificate in ethnic studies to students completing 30 hours of appropriate course work, effective with the 1972-73 academic year.

Students electing to earn the proposed certificate would major in one of the established departments or professional schools (e.g., history, English, architecture), and meet the certificate requirements in addition to the degree requirements of his major field. Individual student programs would be worked out in conference with the student's regular departmental advisor or with the office of the director of ethnic studies. Requirements for the certificate would be:

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower division course work</td>
</tr>
<tr>
<td>Upper-division course work including</td>
</tr>
<tr>
<td>6 hours of field work</td>
</tr>
<tr>
<td>Total hours for certificate</td>
</tr>
</tbody>
</table>

Objectives of the Program

Objectives of the program are:

1. To enrich and liberalize the educational experiences of all students at the University by providing an opportunity for them to pursue academic studies relating to the various
ethnic socialization patterns and cultural expressions that have contributed to the pluralistic quality of American life.

2. To strengthen the function of "objective criticism" at the University of Oregon by enabling students to deal in an intellectually responsible manner with the social history of those minority groups which are still isolated from the mainstream of American society.

3. To provide a set of learning experiences, heretofore neglected, which may also be of psychological value to student members of minority groups in their continuing quest for a viable sense of identity.

4. To enlarge the preprofessional enrichment options of students preparing for employment in agencies or communities where they will encounter peoples from ethnic minorities.

5. To provide a human relations laboratory where, in an atmosphere of serious open inquiry, students and faculty from various racial and ethnic groups can "work through" their respective biases and social antipathies, discover probable causes of those attitudes, and devise alternative strategies for resolving them in the interest of a more viable American community permeated by respectful human relationships.

Courses Available to Program

The ethnic studies committee, a standing faculty committee of the University of Oregon, has identified some 95 courses in 1971-72 which could be suitable for use in a certificate program in ethnic studies. All of the courses are or can be related to ethnic studies, but some deal more directly with these concerns than others. It is the expectation that, with the approval of an ethnic studies certificate program, focus of some of the courses will be sharpened so that all include material relevant to ethnic studies.

The University plans to establish an office of ethnic studies to encourage the development within the departments of courses and staff which will strengthen the University's resources in this area. The office will have limited instructional responsibility of its own. At present, the only course planned for the office is a three-term introductory sequence identified as ES 101, 102 Ethnic Groups in American Society and ES 103 Ethnic Groups and the American Experience.

This plan - with most of the instruction developed by competent persons within the different departments, many of whom, it is hoped, will themselves be members of a minority ethnic group - the University sees as the best way to assure that the program will provide group identity so badly needed by the minority student at sea in the predominantly white middleclass university, without sacrificing the quality needed if the program is to prepare students for gainful employment and intelligent participation in the larger society. The conflict of academic quality versus group
chauvinism in the content as well as in the instruction of courses the committee sees as the principal pitfall of ethnic studies programs elsewhere.

Reasons for Certificate Program Rather Than Baccalaureate Major Program

The University of Oregon is recommending the 30-hour certificate program in preference to a co-major or major program because it is believed students interested in ethnic studies would ordinarily choose to major in one of the traditional fields of the curriculum. The University feels the student graduating with a bachelor's degree has better opportunity to find a place in society and in the economy with a more traditional degree. The certificate program would provide exposure to problems of minority/majority relationships and would enable students to understand the community and national environments in which they would seek employment after graduation.

Cost of Program

Most of the instruction involved in the certificate program is expected to continue to take place in the regular instructional departments. The University has drawn up a tentative budget for 1972-73 for the office of ethnic studies of $35,000:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director (.5 FTE)</td>
<td>$7,500</td>
</tr>
<tr>
<td>Faculty (.5 FTE)</td>
<td>7,500</td>
</tr>
<tr>
<td>Teaching Assistants</td>
<td>12,000</td>
</tr>
<tr>
<td>Clerical Staff (.5 FTE)</td>
<td>3,000</td>
</tr>
<tr>
<td>Materials and Equipment</td>
<td>2,000</td>
</tr>
<tr>
<td>Contingency Funds for consultants, speakers,</td>
<td>3,000</td>
</tr>
<tr>
<td>travel, and recruiting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$35,000</td>
</tr>
</tbody>
</table>

Student Interest

The proposed certificate program in ethnic studies at the University of Oregon is directed first at the enrichment and liberalization of educational experiences of all students. One evidence of the already strong student interest in ethnic studies at the University of Oregon is the enrollment in ethnic related courses.

Examples from regularly offered courses listed in the University presentation as available for an ethnic studies certificate program, whose titles clearly identify their ethnic content, show the following enrollments fall term 1971:

- Anth 417 The American Indian 42
- Eng 310 Introduction to Black Literature 40
- Hst 221 Afro-American History 191
- Hst 464 History of Mexico 37
- Soc 212 Race, Class and Ethnic Groups in America 186
- Anth 414 Race and Culture 22
Apart from the intangible educational benefits to be derived from the proposed program, described in the program's objectives, it is anticipated that students with a certificate in ethnic studies would have an advantage in finding employment in fields such as teaching, social work, personnel, law enforcement and corrections, law, journalism, and health sciences.

Programs at Other Institutions

The only other formal program in the area of ethnic studies in the State System of Higher Education is the black studies program approved in 1970 for Portland State University. The program at Portland State University is designed to serve the special needs of the black enrollment at Portland State and indirectly the Portland black community from which many of these students come, although nonblack students are not excluded. The program at the University of Oregon is designed to serve all students interested in the contributions of the different ethnic groups to the pluralistic quality of American life. It is quite likely that some black students choose to attend Portland State University because of the availability of the black studies program, which, by its nature, is very close to being a co-major. It is not likely that inauguration of a 30-hour certificate program in ethnic studies as proposed by the University of Oregon will affect enrollment in any way, but it will enable the University to serve many students in its diverse student body in a relevant and timely way.

Numbers of Ethnic Group Students at the University of Oregon

Enrollment data from fall term registration at the University of Oregon, 1970 and 1971, indicates that 4-5 percent of the student body identify themselves as members of the larger American nonwhite ethnic minorities:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Afro-American</td>
<td>233</td>
<td>296</td>
<td>+27.0%</td>
</tr>
<tr>
<td>American Indian</td>
<td>115</td>
<td>148</td>
<td>+28.7%</td>
</tr>
<tr>
<td>Oriental American</td>
<td>207</td>
<td>241</td>
<td>+16.4%</td>
</tr>
<tr>
<td>Spanish Surname</td>
<td>75</td>
<td>100</td>
<td>+33.3%</td>
</tr>
<tr>
<td>Total</td>
<td>630</td>
<td>785</td>
<td>+24.6%</td>
</tr>
<tr>
<td>Total Enrollment</td>
<td>15,318</td>
<td>15,249</td>
<td>-0.4%</td>
</tr>
<tr>
<td>Percent Ethnic Minorities of Total Enrollment</td>
<td>4.1%</td>
<td>5.1%</td>
<td></td>
</tr>
</tbody>
</table>

Board's Office Recommendation

It is not the intent of the University of Oregon in requesting a certificate program in ethnic studies, to establish a new instructional department, but rather, through the establishment of an office
of ethnic studies and a certificate program, to encourage development of courses and employment of faculty within the regular instructional departments so as to strengthen the University's already substantial concern for and overall resources in ethnic studies. Students earning the certificate will be required, as are all other university students, to select a major from one of the regular academic or professional majors leading to the baccalaureate degree.

Since there undoubtedly are students interested in this field who have already completed substantial work in courses with ethnic content which would be acceptable toward completion of the proposed 30-hour certificate program, the University requests that the authorization be made effective in 1972-73.

With these understandings, the Board's Office recommended that the Board authorize the University of Oregon to award a certificate in ethnic studies to students completing 30 hours of appropriate course work, effective in 1972-73.

Committee Discussion

Dr. Romney said the Board's Office has discussed with the University alternate ways in which the objectives of the institution, as presented in the University proposal, could be met: (a) make advisors aware of courses already available in ethnic studies so they can draw them to the attention of their advisees; (b) offer certificate program under direction of interdisciplinary committee; (c) offer certificate program under direction of an office of ethnic studies, with at least a part-time director and authorization to develop a basic core course for the program - the present proposal; (d) create a department or office of ethnic studies with the responsibility of developing a whole new array of courses under the control of the department.

Dr. Romney observed that while a number of institutions in the United States have inaugurated major programs in ethnic studies areas, and while the Portland State University certificate program of 51 hours is in the nature of a co-major, the University of Oregon proposal of 30 hours is in the nature of a minor. The Board's Office has discussed with the University whether the same purpose could be accomplished without the expenditure of $35,000 by administering the program through an interdisciplinary committee. He said the University had just gone through intensive budget review and had concluded that the program was of sufficient importance that funds would be found within the University budget to set up an office responsible for administration of the program.

Mrs. Johnson said the proposal to offer the ethnic studies program was another example of the fractioning of the curricula. She said she was opposed to the proposal on several grounds:

1. There is serious question as to the quality of program which could be achieved within the resources the University would be able to devote to this effort.
2. The University can do everything it is presently proposing without setting up an office of ethnic studies, with its own budget, by administering the program through an interdisciplinary committee.

3. It is questionable whether the University could find a director satisfactory to all ethnic groups. This problem would be averted by administering the program through an interdisciplinary committee, she said.

President Clark explained that the University was not proposing setting up a separate instructional department with advanced scholarship and graduate study, but rather the quality of the University of Oregon program would be derived from the quality of the various schools and departments offering course work identified as suitable for the certificate program. The employability of graduates would rest on their major programs of study, and completion of the certificate program in ethnic studies would simply enhance this employability. The program has been given high priority by the University and it is felt important that some individual be charged with the responsibility of providing direction. On the basis of experience with courses of particular ethnic interest such as black history, it is expected the majority of students enrolled in the certificate program will be white, he noted. He asked that the Board authorize the certificate program, leaving the manner of its administration to the judgment of the University. Chancellor Lieuallen commented that this action would be consistent with Board procedures.

Two students of ethnic minority background, Miss Carol Cross and Miss Agnes Goes in Center, testified before the committee. Miss Cross emphasized that the proposed program had two objectives, to provide opportunity for minority students to learn about their own cultures and to provide opportunity for white students to learn about their own ethnic minorities. She said the University needed ethnic studies but it needed also a strong person who could make the program visible. Miss Goes in Center emphasized that she appreciated Mrs. Johnson's concern that the program might not be financed at a level assuring excellence, but said it was important that the University be allowed to make a start. She noted that there were no ethnic minorities represented on the Board of Higher Education and thus the Board was not representative of the pluralistic society, but, she continued, at the University of Oregon there was a beginning of such representation.

Committee Recommendation

Upon motion by Mr. Holmes, the Committee voted two to one to refer the proposal to the Board with a recommendation that the Board authorize the University of Oregon to award a certificate in ethnic studies to students completing 30 hours of appropriate course work, effective 1972-73. Mr. Holmes and Mr. Corey voted aye, Mrs. Johnson opposed.
Board Discussion

Mrs. Johnson moved that the Committee recommendation be approved, reserving the right to argue against the motion.

She said that she still believed her arguments at the Committee meeting were valid but stated that she had additional reservations about approving the program after attending a recent meeting in Washington, D.C., on the subject of meeting the financial crisis in higher education. She said the discussions emphasized the necessity for looking at all of the possible financial implications in establishing new programs.

Mrs. Johnson also said that one of the new courses required for the program appeared to have the possibility of increasing barriers among various groups rather than removing them. She said that college students who come from various ethnic backgrounds are really no more isolated than other college students from the mainstream of society.

Mrs. Johnson pointed out that some institutions that have started these kinds of programs have either changed them considerably or merged them with other programs, and that there is a general trend toward merging existing programs, schools and departments. She also questioned the need for the program when there has been so little apparent demand for it.

Mr. Bill Wyatt, President of the Associated Students of the University of Oregon, said that the demand for such a program had been substantial on the University campus. He said one of the problems with ethnic studies offerings now is that there is no point of focus or central coordination in the courses. He said he believed this had hurt the ethnic studies concept, but that the program presented to the Board for approval would provide a focus for ethnic studies.

Mr. Holmes said that he favored the program because it was a coordinated program and he was impressed with the committee work that went into the preparation of the recommendation.

Mr. Stewart said he was opposed to the program because it emphasized the differences among people rather than emphasizing the need for all groups to be working together. He said he had also opposed the black studies program at Portland State University for the same reason, and that he would be interested in learning more about its progress.

President Clark said that many groups have been able to preserve their traditions but that others have not. He said there has been a recent attempt to remedy this situation so that there would be some sense of tradition and feeling of self-respect among these groups, particularly through the development of black studies programs. He said the aim of the ethnic studies program proposed for the University of Oregon is to develop a program that would reach both white and black students and increase their understanding of each other. As a result, an interdisciplinary program has been planned. He said the program can be offered at minimum expense and is needed critically at the University of Oregon.
Mrs. Johnson said that she had just read an article by the leader of one of the largest groups of blacks in the Chicago area in which he urged less division in providing programs for special groups and that minority students be given the regular degree program. Mrs. Johnson asked if minority students would be helped more by giving them additional academic assistance in the regular program.

Dr. Clark responded that the proposed program was not intended to take the students out of the regular academic programs.

Dr. Romney said that the faculty in the black studies program at Portland State University had joint appointments with that program and traditional departments of the University. He said 40 to 50 students are taking the black studies program as a certificate program and that they are required to complete a major in one of the traditional fields.

Dr. Romney said the minor at Portland State University consists of 51 hours while the certificate proposed for the University of Oregon requires 30 hours.

Dr. Romney said the patterns for ethnic studies programs have varied in different parts of the country. He said some institutions have developed ethnic studies programs as majors without the requirement that the individual take a major in a traditional department or traditional area. Many of these are seriously open to question in terms of preparing students for entry into the mainstream of American society and the earning of a living. Other programs, like the program at Portland State University and the proposed University of Oregon program, have been developed as interdisciplinary certificate programs.

Dr. Romney also said that it would be incorrect to assume that this program is designed primarily for students who are academically unqualified. Students from the program for the disadvantaged may enroll in this certificate program, but the two programs are entirely different.

The Chancellor said that the argument could be advanced that in times of financial emergency new programs should not be started. However, it is also necessary to consider that a primary responsibility is to examine priorities and to drop and add programs and courses in terms of what should be done at the present time.

Mrs. Johnson said that in creating new job assignments, specific responsibility should be assigned to the individual. There should also be an annual review of all full-time positions because sometimes positions are later converted to other needs. She said additional work does not necessarily require additional staff.
Mr. Joss said he would vote in favor of the motion because he was impressed by the objectives of the program. He said it is important for persons of minority extraction to learn and appreciate their culture and traditions and for those who are not members of those groups to appreciate them also.

Board Action

The Board approved the recommendation as presented, with Mrs. Johnson and Mr. Stewart voting against the motion.

(Considered by Finance Committee, June 27, 1972.)

Staff Report to the Committee

A will, dated August 10, 1959, of Sadie Frances McCarthy, of Portland, provided one-half of the remaining proceeds of the estate, after distribution of certain assets, be for the use and benefit of Doernbecher Memorial Hospital for Children. The assets of the estate have been distributed.

The estimated value of this bequest is $29,033, which consists of cash, a bond, common stocks, and real estate contracts. It is intended that these funds be for the unrestricted use of Doernbecher Memorial Hospital for Children.

Staff Recommendation

It was recommended that the Board approve the establishment of this bequest as a quasi-endowment in accordance with Section 66.111 of the Administrative Rules.

Committee Discussion and Recommendation

The Finance Committee recommended that the Board approve the recommendation as presented.

Board Discussion and Action

The Board approved the recommendation as presented.

(Considered by Finance Committee, June 27, 1972.)

Staff Report to the Committee

Pursuant to authorization granted by the Board on March 10, 1969, the Vice Chancellor for Administration submitted an application to the Department of Housing and Urban Development (DHUD) for a debt service grant under the College Housing Program. The project for which an application was submitted is Hoke College Center Building at Eastern Oregon College.
DHUD has approved an annual debt service grant in an amount not to exceed $27,102 for subject project, covering the period that the bonds are outstanding, or the difference between (1) "the average annual debt service costs on the bonds sold to finance the Approved Government Supported Project Costs as determined by the Government on completion of the Project and (2) the average annual debt service that would have been required during the life of the loan at an interest rate of 3 percent, whichever is the lesser." The annual debt service grant will be effective as of the date of occupancy through the date the bonds which finance the project are entirely liquidated. This project, currently under construction, will provide space for Student Union activities as well as dining facilities for Residence Hall occupants, faculty, staff, visitors, and other students. State of Oregon general obligation bonds, Article XI-F(1), 1971 A Building Bonds of $2,500,000 principal value were sold April 6, 1971, to finance this project. It is anticipated that this project will be available for utilization by January 1, 1973.

Staff Recommendation

It was recommended that the Board adopt the following resolution, authorizing execution of the grant agreement, by roll call vote:

RESOLUTION APPROVING AGREEMENT

WHEREAS, the State of Oregon, acting by and through the State Board of Higher Education on behalf of Eastern Oregon College, has heretofore filed with the United States of America (hereafter referred to as the "Government") an application for Federal financial assistance designated by the Government as Project No. CH-ORE-77(S) Contract No. H-992-431-24 and,

WHEREAS, the Government, acting by and through the Secretary of Housing and Urban Development, has tentatively offered to make available financial assistance and has transmitted for consideration an appropriate proposed Agreement; and

WHEREAS, said Agreement has been duly read and fully considered in open meeting of this governing body in accordance with all pertinent rules of procedure and legal requirements, and has been made a part of the records of this body; and

WHEREAS, it is deemed advisable that said Agreement be approved and its execution authorized;

NOW, THEREFORE, be it resolved by the Oregon State Board of Higher Education that said Agreement be and the same hereby is approved without reservation or qualification.
BE IT FURTHER RESOLVED that Freeman Holmer, the Vice Chancellor for Administration, is hereby authorized to execute said Agreement, and Richard L. Collins, the Secretary of the Board, is hereby authorized to attest the execution of said Agreement, and the execution and attestation by said Officers shall constitute the approval of the Agreement by this governing body.

Committee Discussion and Recommendation

The Finance Committee recommended that the Board approve the recommendation as presented.

Board Discussion and Action

Mr. Holmer read from the Board's file copy the complete text of the agreement with the Department of Housing and Urban Development.

Upon motion by Mr. Mosser, the Board approved the recommendation as presented and adopted the above resolution on roll call vote, with the following voting in favor of adoption: Directors Corey, Johnson, Joss, Mosser, Snider, Stewart, Westerdahl, and Layman. Mr. Holmes was absent from the room at the time of the roll call vote.

Federal Debt Service Grant Amendment, OCE

(Considered by Finance Committee, June 27, 1972.)

Staff Report to the Committee

The Board, during its July 27, 1970, meeting, approved a resolution which provided that a federal debt service grant of $44,754 be accepted for Landers Hall and Food Service Building at Oregon College of Education, Project No. CH-ORE-74(DS), Contract No. H-602-2799. The federal agency, Department of Housing and Urban Development (DHUD), has recomputed the debt service grant amount. The federal debt service grant has been revised upward to $44,858 annually. However, the number of semiannual grant payments has been reduced by one, which decreases the total debt service grant by $19,435, from $1,297,852 to $1,278,417. This reduction is due to the three- to four-month delay in initial occupancy of the project. The debt service grant is only effective from date of initial occupancy until the bonds which finance the project are entirely liquidated. The federal government requires a resolution by the Board to accept the increase in the annual grant amount, even though it means a reduction in the total amount. The loss in federal subsidy is offset in part by the additional interest earned on the bond issue investments pending completion of the project.
Staff Recommendation

It was recommended that the Board adopt the following resolution, authorizing execution of the first amendatory grant agreement of Project No. CH-ORE-74(DS), Contract No. H-602-2799, by roll call vote:

RESOLUTION APPROVING AMENDATORY AGREEMENT

WHEREAS, the State of Oregon, acting by and through the State Board of Higher Education on behalf of Oregon College of Education, and the United States of America (hereafter referred to as the "Government") entered into a Grant Agreement dated as of May 8, 1970; and

WHEREAS, the Government, acting by and through the Secretary of Housing and Urban Development, has tentatively offered to make available additional financial assistance and has transmitted for consideration an appropriate proposed Amendatory Agreement; and

WHEREAS, said Agreement has been duly read and fully considered in open meeting of this governing body in accordance with all pertinent rules of procedure and legal requirements, and has been made a part of the records of this body; and

WHEREAS, it is deemed advisable that said Amendatory Agreement be approved and its execution authorized;

NOW, THEREFORE, be it resolved by the Oregon State Board of Higher Education that said Agreement be and the same hereby is approved without reservation or qualification.

BE IT FURTHER RESOLVED that Freeman Holmer, Vice Chancellor for Administration, is hereby authorized to execute said Amendment, and Richard L. Collins, Secretary of the Board, is hereby authorized to attest the execution of said Agreement, and the execution and attestation by said officers shall constitute the approval of the Agreement by this governing body.

Committee Discussion and Recommendation

The Finance Committee recommended that the Board approve the recommendation as presented.

Board Discussion and Action

Mr. Holmer read from the Board's file copy the complete text of the agreement with the Department of Housing and Urban Development.

Upon motion by Mr. Mosser, the Board approved the recommendation as presented and adopted the above resolution on roll call vote, with the following voting in favor of adoption: Directors Corey, Johnson, Joss, Mosser, Snider, Stewart, Westerdahl and Layman. Mr. Holmes was absent from the room at the time of the roll call vote.
The Interinstitutional Commission on the Marine Sciences was appointed by Chancellor Lieuallen in accordance with action of the Board on October 25, 1971. The Commission was charged with the following functions:

1. To review existing and proposed programs in marine science and to submit recommendations concerning proposed changes in existing or proposed programs,

2. To review proposals for additions to or modifications of existing marine science physical facilities and to recommend to the Board's Office and the Board any recommended changes in such proposals needed to bring them into line with the program requirements approved for marine science by the Board, and

3. To develop a coordinated comprehensive plan for the development of marine science in the State System of Higher Education, with opportunities for participation by the institutions of the System, the community colleges, independent colleges and universities, and public schools, to be provided to the Board by the early spring of 1972.

Members of the Commission were: Dr. Burton Moyer, Dean, College of Liberal Arts, University of Oregon; Dr. Karl Dittmer, Dean, Division of Science, Portland State University; and Dr. Roy A. Young, Vice President for Research and Graduate Studies, Oregon State University.

At its June 26 meeting, the Committee on Academic Affairs reviewed the report of the Commission and, following an extended discussion, adopted a series of recommendations for consideration and approval by the Board.

Committee Discussion

Dr. Romney noted that the development of marine science resources in Oregon has been a matter of continued interest on the part of the Board and others. In these developments Oregon has sought to avoid both unnecessary duplication and administrative costs. This concern occasioned in 1961 appointment of the first interinstitutional planning commission, which recommended continued operation of both facilities on a coordinated basis. In 1966, President Flemming and President Jensen brought in two scientists from outside the state, Dr. Daniel Mazia of the University of California and Dr. Robert Fernald of the University of Washington, to provide an independent assessment of the situation.

According to their report, Doctors Mazia and Fernald found the Charleston area was not sufficiently unique to warrant planning to establish a center of national or international caliber for advanced study of the marine biological sciences. However, the two scientists observed that there was both a state-wide and national need for expansion of marine biology study and research at all levels and
recommended strongly that the Charleston facility be developed to serve institutional, state, and regional purposes.

In 1968 the Board's Committee on Academic Affairs reviewed the findings of the Mazia-Fernald report and examined three alternatives in respect to the operation of the Charleston facility. The Committee recommended continuation of the station, under the direction of the University of Oregon, with steps to be taken to provide adequate physical facilities as funds could be provided. Details of this development were to be subject to future review of the Board.

In 1971, the question of facilities development at Charleston and Newport came before the Board, leading to the appointment of the Interinstitutional Commission on the Marine Sciences to study the entire development of marine science programs and facilities in Oregon. The Commission examined the variety of marine science needs in Oregon, considered alternative arrangements for administration of the coastal facilities and recommended that the State System continue to support marine science programs and coastal facilities and that each station be continued under its present administration and with its current missions. The committee proposed that coordination should be provided by an Interinstitutional Advisory Commission which would periodically review development of marine science programs and coastal facilities and recommend appropriate developments in the light of long-range plans for marine science.

Dr. Romney said the Board's Office concurred in the recommendations of the Commission and recommended their approval.

The Committee indicated it was primarily concerned with principles concerning development of marine science resources and not with detailed estimates of construction needs beyond the next biennium. Dr. Young said the Commission, too, was primarily concerned with principles. He pointed out that a question that has troubled everyone has been the possible duplication of effort at the two centers. The Commission examined this question rigorously and found that duplication is in the area of marine biology, an area of common interest in biology. The Commission feels that the programs underway at Charleston are essential to the instructional programs of the University of Oregon, as well as valuable to other institutions and public schools in the region. He said it was obvious there was more demand for instructional resources at both Charleston and Newport than could be met and that the Commission approved the construction program proposed for 1973-1975, but that there was not enough evidence of instructional and research demands beyond the coming biennium to make a recommendation now for long-range program and facilities planning.
Another troublesome question, he said, has been whether administration of all coastal facilities should be under one body. He said the Commission concluded it would be very difficult to achieve any saving in the operation of the Charleston center were it to be put under a different administration, or if the Charleston center were closed and the program moved to Newport. A two-man staff at Charleston is serving about 100 students, he pointed out. If the program were moved to Newport, the same staff would be needed to serve the same number. Dean Moyer said the opportunity to take students into a field situation where they can collect specimens in a natural setting and go immediately to a laboratory is extremely important to the instructional program in biology. Both he and Dr. Young said there was great pressure on coastal facilities from inland universities, particularly during the summer months, to obtain this kind of experience for their students. Dean Moyer said the University of Oregon was seeking to extend the use of the Charleston facility by bringing resident instruction on the site during the fall and spring terms. The need for facilities at Charleston is primarily to replace facilities that are badly deteriorating and inadequate.

Mr. Mosser indicated that he would be happy to see the two programs continue, if this did not involve expenditure of $2,000,000 in construction at Charleston during the next six years. He said this amount of money just is not going to be available. He said if the University of Oregon is looking to replacement of existing facilities at Charleston, it must look to something pretty rustic. He said the recommendation that the Charleston center be restricted to marine biology and limited research was a useful one but did not speak to the allocation of limited construction funds or how needs of the state for undergraduate instruction in marine science can best be met with limited facilities. Mrs. Johnson said it was essential that coordination of development be established if the Charleston program is to be retained. She asked why there was not already a more developed instructional program at Newport.

Mr. Mosser said as Portland State University and other schools develop there is going to have to be some way to give them access to the major marine facility at Newport.

Dr. Young said the Newport facility is shared by a number of agencies and departments and all space is presently assigned. The instructional facility proposed for the 1973-1975 biennium will provide a facility into which groups can be scheduled.

Dean Moyer pointed out that the Charleston facility is operated at a very frugal level with a great deal of on-site ingenuity. If administration is put at some more distant location, he said, it is probably going to cost more.
President Clark said the fundamental issue is whether the Charleston center is to be abandoned. If the center is to be abandoned, then instructional facilities will necessarily be centered at Newport. If the Charleston center is to be retained, and there appear to be good reasons for its retention, including the fact that the property at Charleston was a gift to the University of Oregon contingent upon its being used for "scientific and educational purposes," he said he felt there is merit in letting the University of Oregon continue to administer the facility. The gain so far as the University of Oregon is concerned comes from the esprit de corps of people involved in a program for which they have management responsibility. He said he felt in the long range, the Board would have a very real reason to regret release of the land to gain a present consolidation of programs. President Clark said he would agree that investment in facilities at Charleston ought to be minimal but he would not say precisely at this time what "minimal" is. The University is not requesting any replacement of facilities during the next biennium. Dean Moyer said the estimates of costs for replacement of facilities in 1975-1977 and 1977-1979 were estimates based on square footage involved. The University will prepare more precise figures if the Charleston operation is to be continued. Housing is wanted that retains the benefits of low cost of the barracks situation, is somewhat less primitive than the present situation to permit residence instruction for a whole term at a time, and substantial enough that it is not a permanent maintenance problem.

Mrs. Johnson said she felt the Charleston operation would lose some of its attractiveness to staff and students if it were housed in stainless steel and formica. She said she felt the more-urgent question before the committee was the make-up of the coordinating commission. The concern of the commission, she said, should be the program, that once the nature of the program is known, the facilities follow.

Committee Recommendation

The Committee concluded its discussion by recommending that the Board adopt the recommendations of the Board's Office, as follows:

The Academic Affairs Committee of the Board recommended to the Board of Higher Education that the Board accept the report of the Commission on Marine Science, dated June 26, entitled Report of the Interinstitutional Commission on the Marine Sciences, and that it adopt the following recommendations as the basis for the development of the State System marine science coastal facilities:

1. That the State System continue to support all of its existing marine science facilities.

2. That the Board authorize the continuation of the Charleston station under the administration of the University of Oregon.
3. That each marine science station be made available to faculty and students from public and private post-high school institutions for biological and coastal studies and for collection of marine and geological specimens in accordance with published policies and procedures adopted by the State System of Higher Education.

4. That an interinstitutional advisory commission, appointed under authority of the State Board of Higher Education, be established as a continuing agency for the coordinated planning of the development of marine science programs and the coastal marine facilities necessary to their development.

5. That the commission be appointed and operate under the following guidelines:

   a. The commission shall consist of at least three State System members, including one each from the University of Oregon, Oregon State University, and Portland State University, appointed by the Chancellor, under authority of the Board, for overlapping three-year terms, and such other non-State System members as the Chancellor may appoint from time to time to give to the commission an outside view. Reappointment of members is authorized.

   b. State System commission members shall be selected from among those at the dean or vice presidential level, and shall include no one engaged in teaching or research in the fields of study served by the marine science facilities, nor in the direct administration of these facilities.

   c. The commission shall:

      (1) report periodically to the Board through the Board's Office, as provided for hereinafter.

      (2) visit the coastal marine facilities at least once annually to examine programs and facilities and to meet with faculty and staff at these locations.

      (3) develop, in cooperation with institutional representatives, long-range plans for program developments requiring the use of the coastal marine facilities in accordance with a system of program allocations designed (a) to minimize the possibility of unnecessary and unwise duplication of programs in the State System, (b) to promote effective coordination of teaching and research efforts of the several institutions, and (c) to consider and provide for, insofar as resources will permit, the needs of Oregon's two- and four-year public and private colleges and universities for access to coastal marine science resources.
(4) develop, in cooperation with the institutions administering coastal marine facilities, and recommend to the Board through the Board's Office a long-range integrated plan for the development of the physical facilities.

(5) report annually through the Board's Office to the Board's Committee on Academic Affairs as to the status of the commission's work and as to any recommended action.

6. That the physical facilities developments proposed for Charleston in the 1973-1975 biennium (conversion of the existing boathouse into a multi-purpose room, with a commons room on the upper level, and the construction of storage space and a warehouse) at a cost of $60,000 be recommended for approval, with the concurrence of the Building Committee, as being consistent with the mission of the Charleston center.

7. That the physical facilities developments proposed for Newport for the 1973-1975 biennium (construction of library and instruction laboratory wing, Phase I) at a cost of $645,000 be recommended for approval, contingent upon a Board's Office presentation to the Board at its July 24, 1972, meeting on (a) the relationship of the proposed facilities to the instructional and research needs already included within the Board-approved missions of Oregon State University and the Newport facility, and (b) the capacity of the planned facilities to accommodate efficient and economical additions thereto, should the need become apparent and should the resources be available.

8. That the projected facilities additions at Newport and Charleston for the biennia beyond 1973-1975 be reviewed by the commission alluded to above, sometime in early 1974, when some of the imponderables - such as federal funding - which will affect plans for the 1975-1977 and 1977-1979 biennia, have been clarified.

9. That the Board charge the Chancellor with the appointment of the commission provided for above, and that the commission be charged with reporting to the Board in early 1974 setting forth a proposed long-range plan for program and facilities development of the marine science resources of the State System.

Board Discussion and Action

Mrs. Johnson moved adoption of the recommendations as presented in the docket. She noted that these recommendations incorporate modifications requested by the Academic Affairs Committee at its June 26 meeting but that the modified version before the Board had not been reviewed by the Committee. Mr. Stewart suggested that the recommendations be referred back to the Committee for review. Dr. Romney explained that the modifications in the recommendations before the Board were made in response
to instructions of the Academic Affairs Committee as understood by
the Board's Office. He said if the Board's Office had erred in its
understanding, a new draft would be prepared to incorporate whatever
instructions the Board would care to make. Mrs. Johnson responded
that the recommendations as presented did incorporate the changes
requested by the Committee; that since they had far-reaching impli-
cations, the Board might with to discuss them.

Mrs. Johnson continued that she felt there was great potential for
duplication in instruction and in applied research in the two stations
and establishment of an effective coordinating body was essential.
She said she particularly wished to call the Board's attention to
provisions contained in the recommendations for the establishment of
a coordinating commission. Mrs. Johnson noted that the draft
recommendation called for the commission to be appointed by the
Chancellor. She said she would like to see the recommendation modi-
fied to indicate that the Chancellor and the Board would appoint the
members of the commission.

Mr. Layman said he had been especially concerned about the need for
coordination of marine science facilities and, some four years ago,
had requested a study of the problem. He said he had great confidence
in the work of the interinstitutional commission on the marine sciences
--Dean Moyer, Dr. Young, and Dr. Dittmer--and favored adoption of their
recommendation. He said he approved the recommendation that the Board
not commit itself at this time too far into the future and that major
physical facilities proposals be kept open for further consideration
and study.

The Board approved the recommendations as presented, Mr. Stewart voting
no.

(Considered by Building Committee, June 27, 1972.)

Staff Report to the Committee

Recommendations for the capital construction program of the State
Board of Higher Education must be forwarded to the Executive Depart-
ment within the next few weeks in order to meet the deadline of
September 1. Thereafter, following review and approval or modifi-
cation, the Governor will submit his budget recommendations to the
1973 Legislature.

In accordance with the instructions outlined by the Executive Depart-
ment in the "1973-1975 Biennial Budget Preparation Manual," institu-
tional officials and the Board's staff have identified the most
critical needs for additional facilities and for major remodeling,
rehabilitation and renovation projects which should be accomplished
during the next six-year period.
Giving effect to the policies which the Board has approved previously for its capital construction program, including applicable space utilization objectives, building planning standards, the most current enrollment projections, etc., recommendations for priority listings of capital outlay requests for 1973-1975 have been prepared and will be discussed with the Committee on Buildings and Other Physical Facilities, and other members of the Board, on June 27. These listings and the narrative descriptions included in the Building Committee agenda for individual projects indicate separately (1) those portions of the capital outlay requests which relate to the educational and general plant, to be financed from state funds and offsets such as gifts and federal grants, and (2) the items which constitute additional facilities or improvements for auxiliary enterprises, to be financed from self-liquidating bond borrowings under the authority of Article XI-F(1) of the Oregon Constitution, balances from auxiliary enterprises operations, and commingled student building fees.

In view of other needs for limited state resources, the requests for capital outlay have been held to a minimum and exclude many projects which were listed originally by the institutions. Although there is adequate statistical justification for them it appeared advisable to the Board's staff to defer them to later biennia. Generally, these adjustments were made with the concurrence of officials of the institutions involved.

Detailed space utilization studies for the Fall Term 1971 at each institution have been completed and have been published. As a result of the acquisition or completion of several new classroom, laboratory and office buildings and the leveling off of enrollment growth, some relief has been obtained over-all in the scheduled use of instructional facilities. However, at some of the institutions, particularly Southern Oregon College and Oregon Technical Institute, the rates of utilization were substantially in excess of the Board's objectives and were even higher in 1971 than in 1970. The new buildings for Music and for Education-Psychology will assist Southern Oregon College, but in view of the fact that no projects were authorized at Oregon Technical Institute by the 1971 Legislature, the urgency of need on that campus has reached critical proportions. Basically, the campus was designed to accommodate 800 FTE students. Nearly twice that number was enrolled in the Fall Term 1971. It will be noted that the proposed new facilities for that campus are recommended in highest priority position in the listing of projects within the educational and general plant.

Very few other new buildings have been included within the recommendations for 1973-1975. The Board is aware of the need to construct a fine arts unit at Oregon College of Education to replace facilities which were lost when a major portion of Campbell Hall was destroyed in the Columbus Day windstorm in 1962. The new building being requested was authorized by the 1969 Legislature, but before final plans and specifications were completed, a moratorium on state-financed construction was imposed and the project was
deferred and funding was withdrawn. Similarly, legislative authoriza-
tion in 1969 for two major building projects at the University of
Oregon (Behavioral Sciences and Education) was cancelled in 1971,
and this has prompted the requests to remodel Straub Hall for use
by the Psychology Department, and to acquire and remodel five former
fraternity or sorority houses for instructional use, principally for
the College of Education. Some of the facilities being used for
programs of the College of Education are temporary war surplus family
housing units which have outlived their useful lives and need to be
razed.

Special attention must be given in 1973-1975 to the improvement of
the utility systems on several of the campuses where hazardous con-
ditions exist, where current capacities fall short of requirements,
or where present facilities do not meet federal and state standards
relating to health, safety, pollution control, etc. Regrettably,
problems relating to utility services have reached a critical state,
so the requests for improvements have been assigned a relatively
high priority for the next biennium.

Many of the other remodeling projects within the educational and
general plant involve the correction of deficiencies cited by govern-
mental authorities responsible for fire safety, occupational safety
and health, or are needed to comply with requirements for the
physically handicapped.

The listing of auxiliary enterprise projects includes a share of
the cost of utility improvements, some parking improvements, addi-
tional athletic, recreational and student union facilities, as well
as land purchases. No student housing projects are being planned in
1973-1975. Because of debt retirements and some unused bonding
capacity, it does not appear necessary to seek an increase in the
present limitation of $85 million for bonding under Article XI-F(l)
of the Constitution.

In view of the continuing spiral of inflation and the uncertainty
of future material and wage increases, it is very difficult to esti-
mate construction costs. Based upon various indices published in
professional journals, however, it appears necessary to include a
minimum adjustment of 6 percent from July 1, 1972, to June 30, 1973.
Thereafter, an annual increase of 6 percent (or a semiannual adjust-
ment of 3 percent) to the projected bid date is being anticipated.
These increases are not being compounded. In the opinion of the
Board's staff, these escalation factors are very conservative. Some
adjustments of cost estimates likely will be required as archi-
tectural/engineering planning is undertaken or progresses for the
various projects.
The prospect of federal participation in the funding of capital construction during 1973-1975 is uncertain. Although the recent action of the Congress in passing a bill authorizing assistance to students and higher education institutions includes an extension of the Higher Education Facilities Act of 1963 (as amended), no appropriations have been made under this new authorization. Subject to favorable action by the State Emergency Board, an application will be filed with the U.S. Department of Health, Education, and Welfare for the partial funding of the proposed Cancer Center and related alterations at the University of Oregon Medical School. This project and the proposed Ophthalmology Clinic Expansion also involve gifts from private donors. Federal grants are expected to cover a portion of the cost of color television originating equipment listed for OEBS.

Major emphasis and study by the Board's staff is being given to the requests for the 1973-1975 capital construction program. However, consistent with the statutory requirement that the Executive Department provide the legislature with projections of capital needs for at least a six-year period, institutional requests for construction projects during 1975-1977 and 1977-1979 have been summarized and are attached, accompanied by estimates of land purchase requirements.

**Staff Recommendation**

It was recommended that the Chancellor's tentative recommendations for the priority listings of capital outlay requests for 1973-1975 be approved and forwarded to the Executive Office with the institutional listings of requests for 1975-1977 and 1977-1979 in fulfillment of the requirement for information relating to capital construction and land purchases for the next six-year period:

<table>
<thead>
<tr>
<th></th>
<th>Educational and General Plant</th>
<th>Auxiliary Enterprises</th>
<th>Total</th>
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<tr>
<td>1973-1975</td>
<td>$29,765,000</td>
<td>$4,775,000</td>
<td>$34,540,000</td>
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<td>1975-1977</td>
<td>$52,640,000</td>
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<td>1977-1979</td>
<td>$63,455,000</td>
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<td>$71,570,000</td>
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<tr>
<td><strong>Totals</strong></td>
<td><strong>$145,860,000</strong></td>
<td><strong>$22,490,000</strong></td>
<td><strong>$168,350,000</strong></td>
</tr>
</tbody>
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**Committee Discussion**

Mr. Hunderup said that the Executive Department has permitted the Board to reflect its capital outlay requests for 1973-1975 in two separate priority listings — one for projects and land purchases relating to the educational and general plant and the other for projects and land purchases applicable to auxiliary enterprises. He noted that if this obligation for establishing priorities were not met, the project listings would be returned for the assignment of a priority number by the Board to each individual proposed project within the two categories of expenditure.
Mr. Hunderup said that the priority listings presented to the Committee for the 1973-1975 biennium represented the recommendation of his office with respect to the projects submitted from the institutions; and that institutional priorities have been followed whenever possible. The priorities were assigned in the combined listings for the Department of Higher Education after consideration of the priorities submitted from each institution for projects at that institution and after consideration of numerous other factors involved with respect to the need for each item.

Mr. Hunderup stated that in the proposed requests there was no attempt to provide space for future growth in numbers of students. The attempt, rather, was to provide new spaces and to remodel or renovate existing spaces to offset current deficiencies. He pointed out that some of the present structures on the campuses have outlived their useful lives and need to be replaced; and that in some instances remodeling and renovation of older buildings would provide needed space at a cost much less than required to construct new buildings.

The Committee considered each of the projects in the 1973-1975 priority listing. There was discussion with respect to the following projects included in the list for the educational and general plant:

**OTI Classroom, Laboratory and Office Facilities and Water Chiller**

No specific reason for the legislative deferral of additional facilities at Oregon Technical Institute in 1971 had been identified. Mr. Mosser said two factors would affect the need for this project: (1) the possible development of a four-quarter program at Oregon Technical Institute which would reduce the need for additional facilities based on requirements for a three-quarter program; and (2) the provision of metropolitan upper-division programs in technical fields.

Mr. Mosser also asked why the space requirements for Oregon Technical Institute were placed in higher priority than various utility improvements on other campuses which apparently are needed desperately because of hazardous conditions or current deficiencies.

Mr. Hunderup said that the situation at Oregon Technical Institute is critical in terms of accommodating present academic programs. Further, most of the institutional executives would probably place utilities lower in the priority listing than instructional facilities.

He said it may be possible to continue to use the present utility services by constant maintenance, if absolutely necessary, but that this would not serve the best interests of the state. Therefore, the utilities had been placed slightly lower than the Oregon Technical Institute project but still very high in the priority listing.

Mr. Hunderup also commented that two of the projects listed above the utility improvements were relatively small. One of those in higher priority was placed there because Oregon State University
officials have indicated that the institution is in danger of losing millions of dollars of federal support unless improvements are made in the animal care facilities on that campus.

Mr. Mosser said that since the Oregon Technical Institute project represented additional space and would thus require additional operating budget support when the facilities are completed, he would favor placing it lower in priority than some of the remodeling projects.

Mr. Hunderup emphasized that the present enrollments at Oregon Technical Institute are about double those anticipated for the original campus development and that the current deficiencies of classroom, laboratory, and office spaces are the most critical within the State System. He cited the Fall Term 1971 utilization data which showed that the scheduled occupancy of classroom spaces exceeded the Board's minimum objective by approximately 52.8 percent.

Mrs. Johnson raised the question of the enrollment ceiling for Oregon Technical Institute. She said present indications are that students are turning more and more to technical education programs of the type offered at Oregon Technical Institute.

Mr. Mosser said that he would be opposed to expanding Oregon Technical Institute beyond the 2,000 enrollment limitation before the report requested from the Educational Coordinating Council on the provision of technical programs in the metropolitan area had been received.

UO Commonwealth, Condon, Fenton, Friendly, Gerlinger, Hendricks, Johnson, and Science Buildings Remodel--In response to a question as to the purpose in the proposal to remodel these older buildings, Mr. Hunderup indicated that the improvements were generally in the nature of renovation and compliance with code requirements for health and safety factors. The work would not involve major rehabilitation of any of the buildings.

OSU Withycombe Hall and Farm Crops Building Remodel--It was indicated that the remodeling of this space was more advantageous financially than building new space. However, whenever remodeling is done, the current code requirements must be met and provision must be made for accommodating the physically handicapped.

PSU and OEPBS Remodeling for Television, Computer Center, Offices, Etc.--There was extensive discussion of the location of these facilities and the possible alternative locations for various departments and divisions which might be moved or displaced in the use of particular locations for these activities.

Rather than to re dedicate and convert the lower level of parking space within the PSU Services Building for computer activities, as had been contemplated in the capital outlay requests for prior biennia, it appeared more appropriate to relocate the Computer Center from its present location in the sub-basement of the Smith
Memorial Center to the upper two floors of the Services Building or to some other space within an educational and general building. Consideration was given to the possible shifting of activities of the Division of Continuing Education from the office building at 1633 S.W. Park Avenue to the former Fruit and Flower Nursery, but this was contingent upon finding substitute space for the Child Care Center at Portland State University and also upon other reassignments for television facilities, the Computer Center, staff offices, etc.

It was indicated that the television facilities and the Computer Center could be divided into two separate projects.

At the conclusion of the discussion, it was agreed that the Computer Center remodeling would be left as Priority No. 9 and that the remodeling for television would be removed from the priority listing and referred to the Committee on Public Service Activities for consideration and recommendation. Mr. Hunderup indicated that the amount represented in the OEPBS remodeling project was $460,000; this amount applicable to the relocation of the Computer Center and related alterations was $375,000. Further study is to be given to the project, but it is expected to involve some remodeling within Shattuck School and possibly also the upper floors of the Portland State University Services Building.

UO Office and Classroom Facilities Acquisition and Rehabilitation, Including Land—Mr. Mosser asked if it would be possible to rent or increase the rental of fraternity and sorority facilities for the 1973-1975 biennium so that purchase of additional space could be deferred pending further study of enrollment trends. Mr. Hunderup pointed out that the proposed facilities represent space needed for current enrollments and not for additional enrollments.

Vice President Hawk indicated that opportunities for the acquisition of fraternity and sorority properties were exceptionally favorable at the present time. However, the buildings may not be available if they are not acquired now, because they may be sold for apartment developments or other purposes. The buildings are in a very favorable location to meet the needs for the College of Education and the School of Librarianship. Mr. Mosser indicated he would like to have the possibility of a lease-option explored more thoroughly.

SOC Churchill Hall Remodel—The Committee considered the possible use of space within the new College Union to meet a portion of the need for adequate administrative offices, particularly for the president of the institution. It was stated that it was planned to remodel the Swedenburg House for offices in a later biennium, but not to relocate the president in that building.

The proposed alterations to Churchill Hall would provide expansion for the registrar's office, admissions office, business office and other administrative offices and would improve the mechanical and
electrical systems within the building. The small auditorium on the second floor would remain without major modification in this project.

It was emphasized that one of the primary objectives for Southern Oregon College should be the development of its offerings in speech and drama. The possibility for sharing other community theatre facilities does not appear to be available. There was some discussion of reversing priorities 13 and 20 to assign a priority for the speech and drama building higher than that assigned to the remodeling of Churchill Hall.

Mr. Hunderup pointed out that there is a community problem with respect to the traffic situation near the campus. The City of Ashland has indicated that it will not vacate any additional streets for Southern Oregon College until a perimeter road is constructed south of Siskiyou Boulevard. Consequently, the perimeter road project at Southern Oregon College had been included in item 19 on the proposed priority list recommended by the Chancellor's Office.

UODS Dental School Alterations and Equipment Replacement—Mr. Mosser said he might wish to assign the project a higher priority if the Dental School proceeds with the four-quarter program. Otherwise, it should remain in its present position.

OEPBS Television Improvements—This project, involving color capability, was referred to the Public Service Activities Committee for further consideration and recommendation, but was retained in the list approved by the Building Committee.

UOMS Mackenzie Hall and Administration Building Remodel—Mr. Mosser questioned whether this remodeling was as important as some other needs at the Medical School, particularly when it has been necessary to close certain areas of the teaching hospital and reduce the number of beds available for the instructional program. It was indicated that the total needs of the Medical School would probably be considered at the time the Medical School budgets were reviewed by the legislature.

Mr. Mosser proposed that the priority listing for educational and general plant projects to be submitted to the Executive Department and the 1973 Legislature include only priorities 1 through 17, but that Priorities 22, 23, 24, and 25 (all at UOMS) should be considered further before they were eliminated from the list.

Mr. Hunderup said that projects 22 and 23 were needed and were to be financed from grants. These projects would make effective use of space presently available. He noted that on June 20 the Emergency Board had authorized the filing of a grant application with the federal government for financing a major portion of the cost of the proposed Cancer Research Center and Related Alterations. Projects 24 and 25 were included in response to requests of the State Fire Marshal.
During the discussion, Mr. Stewart said that, in his opinion, it was unrealistic to submit requests in the amounts indicated for each of the three biennia when it was obvious that such funds would not be available. Mr. Hunderup said the institutions' lists had been reduced from those submitted originally but had not been placed in the System-wide priority order for the second and third biennia. Mr. Stewart suggested that the total amount proposed for the 1973-1975 biennium be increased by the necessary cost escalation factors and inserted in place of the totals presently recommended for the 1975-1977 and 1977-1979 biennia. The institutions and the Board's staff could then revise the requests for individual items to fit the financial ceiling thus established for each of the two biennia.

The Chancellor said that this would change the traditional approach of the Board in presenting capital construction projects but that the suggestion probably represented a wise change of direction.

Mr. Westerdahl said that he would find it useful to have a criteria matrix system in which each project would be assigned a weighted average based on its ratings with respect to several criteria normally considered in evaluating construction projects. He said this would provide a better basis for understanding the reasons for placing one project higher in the priority listing than others. It was recognized that this would require a substantial amount of staff time and probably could not be accomplished much in advance of legislative review of the capital construction recommendations in 1973. Mr. Westerdahl suggested that Mr. Hunderup present a proposal for a staff organization which would permit the thorough planning and proper supervision warranted by the Board's construction and rehabilitation program.

It was moved by Mr. Mosser, serving as alternate member of the Building Committee, that the priority listing for the educational and general plant be limited to Priorities 1 through 17 and Priorities 22, 23, 24, and 25. Included in the motion was the removal from Priority 9 of the amount of $460,000 listed for television remodeling which is to be studied further by the Public Service Activities Committee. Before voting on the motion, the Committee gave further consideration to Priority 19 which includes road facilities for several institutions. It was agreed that Priority 19 would not be included in the Committee recommendation at this time although it was acknowledged that all of the road projects were urgently needed.

Committee Recommendation

The Building Committee recommended that the Board approve a priority listing for educational and general plant projects and land purchases during the 1973-1975 biennium which would include Priorities 1 through 17 as well as items 22, 23, 24, and 25 from the listing recommended by the Chancellor. (In the attached Exhibit I, these last four projects are included as Priorities 18, 19, 20 and 21.) Also included in the Committee's recommendation was the deletion of that portion of Priority 9 related to television remodeling which is to be studied further by the Public Services Committee and possibly
included in the listing following that review. It was further
understood that Committee members reserved the right to recommend
other modifications to the listing at the time of the Board meeting
on July 24, 1972.

(Note: As a consequence of deferring the proposed SOC Perimeter Road,
including Land, the amount requested for general land purchases has
been adjusted to $250,000, and the total state fund requirements for
the 1973-1975 capital outlay program are shown at $20,800,000. This
latter amount is considerably less than the comparable figure of
$27,435,000 reflected in the Chancellor's tentative recommendations
to the Building Committee.)

Mr. Joss stated that the Committee's recommendation recognized the
economic crisis in higher education and the necessity for more modest
building requests and also recognized that the instructional program
should have the highest priority for available resources.

The Committee also recommended Board approval of the priority listing
of capital outlay requests for auxiliary enterprises during 1973-1975
in the total amount of $4,700,000, as proposed by the Chancellor and
adjusted to exclude that portion of the UO Street and Bridge Work which
was affected by the elimination of Priority 19 from the listing of
educational and general projects.

The Building Committee then recommended that the Chancellor and
Mr. Hunderup, in consultation with institutional officials, bring
to the Board a revised list for the biennia 1975-1977 and 1977-1979
which would total not more than $50 million in General Fund require­
ments for the four-year period. Appropriate adjustments would be
made in the requests for auxiliary enterprises to exclude items
which involved joint financing with projects in the educational
and general plant. (Mr. Hunderup noted that President Sours had
just requested the deletion of both student housing projects pro­
posed at Southern Oregon College, so these have also been omitted
from the revised listings of auxiliary enterprises.)

Also, the Committee deleted from auxiliary activities the item of
$590,000 for student housing at the Charleston Marine Biology Station,
University of Oregon, for biennium 1975-1977.

Following are the listings of capital outlay projects recommended by
the Building Committee (1) for biennium 1973-1975 and (2) revised
institutional requests for the two biennia ending June 30, 1979. The
narrative descriptions for the individual projects for 1973-1975 are
available in the Building Committee agenda booklet dated June 27,
1972 (pages 29-82).
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<thead>
<tr>
<th>Priority</th>
<th>Institution</th>
<th>Project Title</th>
<th>State Funds (incl. Art. XI-G Bonds, Offsets)</th>
<th>Specific Federal Grants and/or Gifts</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>OTI</td>
<td>Classroom, Laboratory and Office Facilities and Water Chiller</td>
<td>$2,500</td>
<td>$2,500</td>
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<td>2</td>
<td>UO</td>
<td>Straub Hall Remodel for Academic Use</td>
<td>1,715</td>
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<td>3</td>
<td>OSU</td>
<td>Animal Care Facilities</td>
<td>415</td>
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<td>Dearborn Hall Remodel</td>
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<tr>
<td></td>
<td></td>
<td>a</td>
<td>UO</td>
<td>$615*</td>
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<tr>
<td></td>
<td></td>
<td>b</td>
<td>UOMS</td>
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<tr>
<td></td>
<td></td>
<td>c</td>
<td>SOC</td>
<td>175*</td>
<td></td>
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<tr>
<td></td>
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<td>d</td>
<td>OSU</td>
<td>615*</td>
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<tr>
<td></td>
<td></td>
<td>e</td>
<td>PSU</td>
<td>420*</td>
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<tr>
<td></td>
<td>OCE</td>
<td>Classroom, Laboratory and Office Building (Fine Arts)</td>
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<td>7</td>
<td>UO</td>
<td>Commonwealth, Condon, Fenton, Friendly, Gerlinger, Hendricks, Johnson and Science Buildings Remodel</td>
<td>1,245</td>
<td>11,415</td>
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<td>OSU</td>
<td>Withycombe Hall and Farm Crops Building Remodel</td>
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<td>250</td>
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<td>9</td>
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<td>Relocation of Computer Center and Related Alterations</td>
<td>375</td>
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<td>10</td>
<td>UO</td>
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<td>11</td>
<td>UO</td>
<td>Music Building Addition and Alterations</td>
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<td>15,090</td>
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<td>12</td>
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<td>16,570</td>
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<td>13</td>
<td>SOC</td>
<td>Churchill Hall Remodel</td>
<td>750</td>
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<td>14</td>
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<td>Dental School Alterations and Equipment Replacement</td>
<td>1,395</td>
<td>18,715</td>
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<td>15</td>
<td>OEPBS</td>
<td>Television Improvements</td>
<td>100</td>
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<td>16</td>
<td>UOMS</td>
<td>Mackenzie Hall and Administration Building Remodel</td>
<td>830</td>
<td>19,645</td>
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Tentative Recommendations for Priority Listing of Capital Construction During 1973-1975 to be Financed from State Funds and/or Gifts and Grants (Cost Estimates in Thousands of Dollars)

<table>
<thead>
<tr>
<th>Priority</th>
<th>Institution</th>
<th>Project Title</th>
<th>State Funds (incl. Art. XI-G Bonds, Offsets)</th>
<th>Specific Federal Grants and/or Gifts</th>
<th>Total</th>
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<tbody>
<tr>
<td>17</td>
<td>OSU</td>
<td>Marine Science Library and Laboratory Addition, Yaquina Bay</td>
<td>$645</td>
<td>$20,290</td>
<td>$1,200</td>
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<td>18</td>
<td>UOMS</td>
<td>Cancer Center Facilities and Related Alterations</td>
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<td>20,290</td>
<td>815</td>
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<tr>
<td>19</td>
<td>UOMS</td>
<td>Ophthalmology Clinic Expansion</td>
<td>---</td>
<td>20,290</td>
<td>315</td>
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<tr>
<td>20</td>
<td>UOMS</td>
<td>Teaching Hospital Fire Sprinkler System</td>
<td>405</td>
<td>20,695</td>
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<tr>
<td>21</td>
<td>UOMS</td>
<td>University Tuberculosis Hospital Fire Sprinkler System</td>
<td>105</td>
<td>20,800</td>
<td>---</td>
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</tbody>
</table>

* Partial cost; remainder (Auxiliary Enterprises category) to be financed from self-liquidating bonds and/or balances from auxiliary enterprises operations.

** Subject to revision following study of feasibility of an academic schedule based upon four quarters. Assumes only minor new construction but anticipates remodeling existing facilities and replacing clinic equipment at a total cost of $1,995,000, including $600,000 from federal capitation grants or clinic income.

@ Gifts and grants, $525,000; other funds, $75,000; state funds, $100,000.

Office of Facilities Planning
June 27, 1972
(Revised)
# EXHIBIT II

**OREGON STATE BOARD OF HIGHER EDUCATION**

**TENTATIVE RECOMMENDATIONS FOR CAPITAL CONSTRUCTION AND LAND PURCHASES DURING 1973-1975**

**TO BE FINANCED FROM SELF-LIQUIDATING BOND BORROWINGS AND/OR BALANCES AVAILABLE FOR AUXILIARY ENTERPRISES**

(Cost Estimates in Thousands of Dollars)

<table>
<thead>
<tr>
<th>Priority</th>
<th>Institution</th>
<th>Project Title</th>
<th>Self-Liquidating Projects</th>
<th>Other Auxiliary Enterprise Projects</th>
<th>Total</th>
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<tr>
<td>1</td>
<td>Various</td>
<td>Land Purchases</td>
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<tr>
<td>2</td>
<td>OSU</td>
<td>Spring Sports Complex (Phase I)</td>
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<td>230**</td>
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<td>3</td>
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<td>Parking Improvements, including Land</td>
<td>170</td>
<td>170</td>
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<tr>
<td>4</td>
<td>OSU</td>
<td>Student Union Facilities</td>
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<td>170</td>
<td>1,730#</td>
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<td>UD</td>
<td>Parking Improvements</td>
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<td>330</td>
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<tr>
<td>6</td>
<td>OTI</td>
<td>Parking Lot 4</td>
<td>75</td>
<td>405</td>
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<tr>
<td>7</td>
<td>SOC</td>
<td>Recreational Facilities</td>
<td>115</td>
<td>520</td>
<td>340</td>
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<tr>
<td>8</td>
<td>UD</td>
<td>Sports and Recreational Improvements</td>
<td>---</td>
<td>520</td>
<td>460</td>
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</tbody>
</table>

* Partial cost; remainder (included within Educational and General Plant) to be financed from state funds or offsets.

** Gifts and/or Athletic Department Funds; excludes $110,000 of student building fees or Article XI-F(1) bonds budgeted from Intramural/Recreation Building (authorized by Chapter 709, Oregon Laws 1971) for replacement of existing track.

# Excludes intra-institutional transfer of funds for conversion of Snell Hall from student residence hall to student union use.

@ Includes $135,000 for Hayward Field Improvements expected to be financed from gifts and/or Athletic Department Funds.

---

Office of Facilities Planning
June 27, 1972
(Revised)
### OREGON STATE BOARD OF HIGHER EDUCATION

**SUMMARY OF TENTATIVE RECOMMENDATIONS FOR CAPITAL OUTLAY DURING 1973-1975**

<table>
<thead>
<tr>
<th>Institution</th>
<th>Educational and General Plant</th>
<th>Auxiliary Enterprises</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>No. of Projects</td>
<td>Amount</td>
<td>No. of Projects*</td>
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<td>-</td>
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<tr>
<td>Oregon College of Education</td>
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<td>$2,315,000</td>
<td>-</td>
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<tr>
<td>Oregon State University</td>
<td>5</td>
<td>$3,745,000</td>
<td>2</td>
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<tr>
<td>Southern Oregon College</td>
<td>2</td>
<td>$925,000</td>
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<tr>
<td>University of Oregon</td>
<td>6</td>
<td>$6,310,000</td>
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<tr>
<td>University of Oregon Dental School</td>
<td>1</td>
<td>$1,995,000</td>
<td>-</td>
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<tr>
<td>University of Oregon Medical School</td>
<td>6</td>
<td>$3,595,000</td>
<td>-</td>
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<tr>
<td>Portland State University</td>
<td>2</td>
<td>$795,000</td>
<td>-</td>
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<tr>
<td>Oregon Technical Institute</td>
<td>1</td>
<td>$2,500,000</td>
<td>1</td>
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<tr>
<td>Oregon Educational &amp; Public</td>
<td>1</td>
<td>$700,000</td>
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<tr>
<td>Broadcasting Services</td>
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<td><strong>Subtotals</strong></td>
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<td>$22,880,000</td>
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<tr>
<td>Land Purchases</td>
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<td>$250,000</td>
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<tr>
<td><strong>Totals</strong></td>
<td>25</td>
<td>$23,130,000</td>
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</tbody>
</table>

* Projects involving both state and non-state funds have been counted under the Educational and General Plant only, but dollar amounts have been reflected under the respective categories.

Office of Facilities Planning
June 27, 1972
(Revised)
oregon state board of higher education
listing of institutional requests for capital construction and land purchases to be financed from
(cost estimates in thousands of dollars)

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<thead>
<tr>
<th></th>
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<td>1975-1977</td>
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<tr>
<td>1977</td>
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<td>1</td>
<td>Physical Plant Building</td>
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<td>2</td>
<td>Library Addition</td>
<td>145</td>
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<tr>
<td>1</td>
<td>Physical Education and Athletic Fields Relocation, including Land</td>
<td>425*</td>
<td>80</td>
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<td>2</td>
<td>L Avenue Improvement</td>
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<td></td>
<td><strong>Totals - Eastern Oregon College</strong></td>
<td><strong>$725</strong></td>
<td><strong>$505</strong></td>
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<td>1</td>
<td>Perimeter Road</td>
<td>$160</td>
<td>$</td>
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<td>2</td>
<td>Physical Plant Building Addition and Campus Physical Area Work</td>
<td>335</td>
<td>3,200</td>
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<tr>
<td>1</td>
<td>Laboratory, Classroom and Office Building</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Library Addition</td>
<td>1,210</td>
<td></td>
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<td></td>
<td><strong>Totals - Oregon College of Education</strong></td>
<td><strong>$495</strong></td>
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<td>2</td>
<td>Chemistry Facilities</td>
<td>3,255</td>
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<td>3</td>
<td>Utility Improvements - Electrical System Revisions, Phase II</td>
<td>340*</td>
<td>705*</td>
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<td>4</td>
<td>Batcheller Hall Remodel</td>
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<td>5</td>
<td>Utility Improvements</td>
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<td>6</td>
<td>Education Hall Remodel</td>
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<td>Marine Science Center Improvements, Yaquina Bay</td>
<td>110</td>
<td>2,825</td>
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<td>8</td>
<td>Feed Barn</td>
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<td>1</td>
<td>Office and Laboratory Building (Art)</td>
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<td>2,980</td>
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<td>2</td>
<td>Health and Physical Education Building</td>
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<td>3</td>
<td>Family Study Center</td>
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<td>4</td>
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<td>745</td>
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<td>Bexell Hall Remodel</td>
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<td>6</td>
<td>Marine Science Center Improvements, Yaquina Bay</td>
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<td><strong>Totals - Oregon State University</strong></td>
<td><strong>$6,815</strong></td>
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# Educational and General Plant Projects

## SOUTHERN OREGON COLLEGE

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<tr>
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<td>$400</td>
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<td>3</td>
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<tr>
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<td>$1,300</td>
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### Totals - Southern Oregon College

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<tr>
<td>1</td>
<td>$3,750</td>
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## UNIVERSITY OF OREGON

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<td>1</td>
<td>$120*</td>
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<td>2</td>
<td>$905</td>
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<td>3</td>
<td>$325*</td>
<td>$1,230</td>
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<td>4</td>
<td>$355*</td>
<td>$355*</td>
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### Totals - University of Oregon

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<tr>
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<tbody>
<tr>
<td>1</td>
<td>$2,185</td>
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## UNIVERSITY OF OREGON DENTAL SCHOOL

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## UNIVERSITY OF OREGON MEDICAL SCHOOL

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<tr>
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<td>$1,885*</td>
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<td>$1,485</td>
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<tr>
<td>4</td>
<td>$530*</td>
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### Totals - University of Oregon Medical School

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<tbody>
<tr>
<td>1</td>
<td>$2,100</td>
<td>$4,070</td>
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## PORTLAND STATE UNIVERSITY

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<tbody>
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<td>$5,700</td>
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</tr>
<tr>
<td>2</td>
<td>$2,500*</td>
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### Totals - Portland State University

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<tr>
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<tr>
<td>1</td>
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Listing of Institutional Requests, 1975-1977 and 1977-1979 (Educational and General Plant)

<table>
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<tbody>
<tr>
<td><strong>Educational and General Plant Projects</strong></td>
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<tr>
<td><strong>OREGON TECHNICAL INSTITUTE</strong></td>
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<tr>
<td>1</td>
<td>$75</td>
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<tr>
<td>Roads B and D</td>
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<tr>
<td>2</td>
<td>$355</td>
<td>$1,195</td>
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<tr>
<td>Physical Plant Building Addition</td>
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<tr>
<td>1</td>
<td></td>
<td>$275</td>
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<tr>
<td>Library Building</td>
<td></td>
<td></td>
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<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscaping, Sidewalks, Stairs and Outside Lighting</td>
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</tr>
<tr>
<td>Totals - Oregon Technical Institute</td>
<td>$430</td>
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<td><strong>DIVISION OF CONTINUING EDUCATION</strong></td>
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<tr>
<td>None</td>
<td>$---</td>
<td>$---</td>
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<tr>
<td><strong>OREGON EDUCATIONAL AND PUBLIC BROADCASTING SERVICE</strong></td>
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<tr>
<td>1</td>
<td>$20#</td>
<td></td>
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<tr>
<td>Replacement of KOAC-AM Radio Transmitter</td>
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</tr>
<tr>
<td>Totals - Oregon Educational and Public Broadcasting Service</td>
<td>$20</td>
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</tr>
<tr>
<td><strong>Subtotals - New Construction Projects and Major Alterations to Existing Buildings</strong></td>
<td>$24,720</td>
<td>$24,895</td>
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<tr>
<td>Land Purchases (net of amounts included above for individual projects)</td>
<td>$190</td>
<td>$190</td>
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<td><strong>GRAND TOTALS</strong></td>
<td>$24,910</td>
<td>$25,085</td>
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</table>

* Partial cost; remainder to be financed from self-liquidating bond borrowings and/or auxiliary enterprise balances.

# Excluding estimated federal grants (thousands of dollars):

- OSU Marine Science Center Improvements, Yaquina Bay: $1,455
- SOC Classroom and Laboratory Building (Nursing Education): 765
- UO Pine Mountain Observatory Addition: 470
- OEPBS Replacement of KOAC-AM Radio Transmitter: 50

Total: $2,740

Office of Facilities Planning
July 24, 1972
# EXHIBIT V

## OREGON STATE BOARD OF HIGHER EDUCATION

LISTING OF INSTITUTIONAL REQUESTS FOR CAPITAL CONSTRUCTION AND LAND PURCHASES TO BE FINANCED FROM

SELF-LIQUIDATING BOND BORROWINGS AND/OR BALANCES AVAILABLE FOR AUXILIARY ENTERPRISES DURING 1975-1977 and 1977-1979

(Cost Estimates in Thousands of Dollars)

<table>
<thead>
<tr>
<th>Priorities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1977</td>
</tr>
</tbody>
</table>

### Eastern Oregon College
- **Physical Education and Athletic Fields Relocation, including Land**
  - **Totals - Eastern Oregon College**

### Oregon College of Education
- None

### Oregon State University
- **Utility Improvements - Electrical System Revisions, Phase II**
- **Memorial Union Building Remodel**
- **Utility Improvements**
- **Marine Science Center Improvements, Yaquina Bay**
  - **Utility Improvements**
  - **Marine Science Center Improvements, Yaquina Bay**
  - **Totals - Oregon State University**

### Southern Oregon College
- **Utility Improvements, South Campus**
- **Recreation Facilities**
- **Parking Improvements, Including Land**
- **Health Service Building Addition**
- **Parking Improvements, Including Land**
  - **Totals - Southern Oregon College**

### University of Oregon
- **Street and Bridge Work**
- **Physical Education Building and McArthur Court Remodel**
- **Utility Improvements - Central Cooling, Phase III**
- **Parking Improvements**
- **Recreation Fields and Mill Race Development**
- **Student Union Satellite**
  - **Parking Improvements**
  - **Student Union Satellite**
    - **Totals - University of Oregon**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>Auxiliary Enterprise Projects</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNIVERSITY OF OREGON DENTAL SCHOOL</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>UNIVERSITY OF OREGON MEDICAL SCHOOL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utility Systems Improvements, Phase II</td>
<td>$70*</td>
<td></td>
</tr>
<tr>
<td>Street Improvements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Women's Residence Hall Completion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Totals - University of Oregon Medical School</td>
<td>$70</td>
<td></td>
</tr>
<tr>
<td>PORTLAND STATE UNIVERSITY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional Schools Center, Phase I, with Related Parking</td>
<td>$900*</td>
<td></td>
</tr>
<tr>
<td>Totals - Portland State University</td>
<td>$900</td>
<td></td>
</tr>
<tr>
<td>OREGON TECHNICAL INSTITUTE</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>DIVISION OF CONTINUING EDUCATION</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>OREGON EDUCATIONAL AND PUBLIC BROADCASTING SERVICE</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotals - New Construction Projects and Major Alterations to Existing Buildings</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$6,470</td>
<td>$1,805</td>
</tr>
<tr>
<td><strong>Land Purchases (net of amounts included above for individual projects)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$500</td>
<td>$500</td>
</tr>
<tr>
<td><strong>GRAND TOTALS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$6,970</td>
<td>$2,305</td>
</tr>
</tbody>
</table>

* Partial cost, remainder to be financed from state funds and offsets.
The recommendations for capital construction and land purchases for the next six-year period were summarized as follows:

<table>
<thead>
<tr>
<th></th>
<th>Educational and General Plant</th>
<th>Auxiliary Enterprises</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1973-1975</td>
<td>20,800,000</td>
<td>2,330,000</td>
<td>4,700,000</td>
</tr>
<tr>
<td>1975-1977</td>
<td>24,910,000</td>
<td>50,000</td>
<td>6,970,000</td>
</tr>
<tr>
<td>1977-1979</td>
<td>25,085,000</td>
<td>2,690,000</td>
<td>2,305,000</td>
</tr>
<tr>
<td>Totals</td>
<td>70,795,000</td>
<td>5,070,000</td>
<td>13,975,000</td>
</tr>
</tbody>
</table>

Board Discussion.

In response to a question from Mrs. Johnson concerning the possible leasing rather than purchase of former fraternity and sorority houses, Mr. Hunderup said negotiations were still under way with respect to these buildings. He said an investment for remodeling and rehabilitation would be required, and that this investment would then need to be amortized over a period of years. He said it may prove to be more economically feasible to purchase the buildings rather than to lease them.

Mr. Mosser said he intended to vote for approval of the capital construction program. However, he said that until the operating budget was approved, he was not certain this was the amount he wished to support for capital construction because he might prefer to put a larger amount into the operating budget and lesser in the building program.

In addition, Mr. Mosser said that if a lease arrangement is feasible for fraternity and sorority houses, he would want to include only the amount necessary for the remodeling and drop the acquisition, either entirely or to the lowest priority. He said he would also raise the priority for the remodeling necessary at the Dental School if the four-term program is developed.

Mr. Stewart asked Mr. Hunderup if he was satisfied with the proposed capital construction program. Mr. Hunderup replied that he was not because there are many more needs than can be satisfied by the proposed list. However, based on the available facts, Mr. Hunderup said he was convinced it is the best priority order for the projects.

Board Action

The Board approved the priority list for capital construction projects to be financed from state funds and/or gifts and grants during 1973-1975. The Board then approved the recommended capital construction and land purchases during 1973-1975 to be financed from self-liquidating bond borrowings and auxiliary enterprise balances.

The Board also approved the tentative list of proposed project priorities for 1975-1977 and 1977-1979, financed both from state funds and auxiliary enterprises, with the understanding that these projects would be reviewed again prior to the biennium in which they actually are to be submitted for construction.
Married Student Housing Charges for 1972-73, APA Hearing

Staff Report to the Committee

Most married student housing charges for the 1971-72 fiscal year were increased, effective July 1, 1971, in amounts ranging up to $10 per month. However, at the September 7, 1971, meeting, the Board reduced the rates to the prevailing level in effect during fiscal year 1970-71, effective September 1, 1971. This action was taken to comply with the spirit of the wage and price controls instituted by Presidential action in August 1971.

The Board's staff has analyzed the married student housing operations thoroughly and recommended that the rates for fiscal year 1972-73 be established at the same levels in effect in July and August 1971, except for the University of Oregon's Amazon housing units. The rate for the Amazon housing units should be increased $2.50 a month (to $45, rather than the $47.50 charged last summer).

The institutions (EOC, OSU and UO) which have bond indebtedness on their married student housing have ample funds in their sinking fund reserve accounts to meet the required debt service coverage.

Staff Recommendation

It was recommended that the Committee propose Board action, after hearing, to adopt the rates shown for 1972-73 in the table below.

<table>
<thead>
<tr>
<th>Institution</th>
<th>One Bedroom</th>
<th>Two Bedrooms</th>
<th>Three Bedrooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOC - Eocene Court</td>
<td>-</td>
<td>$ 85 $ 95</td>
<td>-</td>
</tr>
<tr>
<td>New Units</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>$ 45 $ 50</td>
<td>55-65 60-70</td>
</tr>
<tr>
<td>Old Units</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCE - The Village</td>
<td>39 39</td>
<td>45 45</td>
<td>$ 48 $ 48</td>
</tr>
<tr>
<td>OSU - Orchard Court</td>
<td>85 90</td>
<td>97 104</td>
<td>110 119</td>
</tr>
<tr>
<td>Campus Court</td>
<td>42 48</td>
<td>48 53</td>
<td>58 63</td>
</tr>
<tr>
<td>SOC - College Court</td>
<td>- -</td>
<td>31.50 31.50</td>
<td>-</td>
</tr>
<tr>
<td>UO - Amazon</td>
<td>- -</td>
<td>42.50 45</td>
<td>-</td>
</tr>
<tr>
<td>Westmoreland</td>
<td>81 81</td>
<td>91 91</td>
<td>-</td>
</tr>
</tbody>
</table>
Committee Discussion

Mr. Mosser recognized Mr. Greg Hartman, representing Amazon Cooperating Tenants Union, for the purpose of presenting a statement concerning the rent increase proposed for the Amazon Housing Project.

Mr. Hartman indicated that the tenants union represents eighty percent of the people in the Amazon Housing Project. The purposes of the organization are: (1) to provide communication between students living in Amazon and the people who are administering the project; and (2) to bring the members of the Amazon project together to promote social life at Amazon.

Mr. Hartman's prepared statement concerning the rent increase is shown as Supplement A to the docket. He said that it was the University's responsibility to show why there should be a rent increase and referred to communications with Dr. Gerald Bogen, Vice President for Student Services, which did not provide satisfactory answers as to the need for an increase. Mr. Hartman expressed particular concern about the need for a separation of cash accounts and reserve accounts and the need for an explanation of estimated losses for the coming year. He also referred to the temporary nature of the recent negative cash flow.

Mr. Mosser pointed out that the maintenance cost did not necessarily indicate an upgrading of the facilities as much as keeping them in adequate repair for the use of future students at reasonable rental rates.

Mr. Mosser pointed out that the rent increase is scheduled for public hearing at the July 24 Board meeting. However, he said he would hope that the students and University officials could resolve this matter before that time. He said the students should be prepared to provide information in support of their position if they believe that three percent of replacement value is too large an allowance for a maintenance reserve. The University should indicate its past experience and the reasons for choosing three percent as an appropriate figure. However, Mr. Mosser said that while the maintenance reserves are decreasing, costs are increasing; and there are known major improvement projects anticipated.

Committee Recommendation

The Finance Committee recommended that the Board approve the recommendations as presented, following public hearing at the July 24, 1972, Board meeting.

Board Discussion

President Layman said that presentations in connection with married student housing charges for the year 1972-73 were in order. It was indicated that Dr. Gerald Bogen, Vice President for Student Affairs, and Mr. Greg Hartman, representing the University of Oregon Amazon Cooperating Tenants Union, had requested an opportunity to make
presentations in connection with the increase in charges for Amazon Housing. No one requested an opportunity to be heard in connection with the other proposed increases.

Dr. Bogen said that at the time of the Finance Committee meeting it had been implied that the University administration had not been involved with students prior to the recommendation for the rent increase at Amazon. He said that in October 1971 the Director of University Housing had been asked to develop a meaningful system of governance for residents of married student housing projects. This resulted in the establishment of a housing governing committee, chaired by the Associate Dean of the Graduate School, with student membership from the Graduate Student Council and residents of both the Amazon and Westmoreland housing units. This group met several times between February 17 and April 28, 1972, and considered the question of an increase in the rental rate for Amazon housing.

On May 5, the governing committee submitted a recommendation for an increase of $7.50 in the rental rate for Amazon Housing.

Dr. Bogen said that on May 30 he received notification from Mr. Dennis Gilbert, a member of the married student housing governance committee, that a residents' union had been created in Amazon. Mr. Gilbert also requested that the University's recommendation for a rate increase be withdrawn. University and Board's Office officials reviewed the recommendation and reduced the recommended increase to $2.50 by reducing the building and maintenance reserve rate from four percent to three percent of the replacement value of the buildings. Dr. Bogen also stated that additional meetings had been held with the tenants' union following the Finance Committee meeting. At these sessions, written questions were submitted by the tenants' union and specific answers provided. In addition, University files were opened for the inspection of the tenants' union. He concluded by saying this summary indicated a substantial involvement of students with respect to the proposed rental increase.

Mr. Greg Hartman said that the Amazon Cooperating Tenants Union was comprised of over 95 percent membership of the residents of Amazon. He said they were appearing before the Board because they liked Amazon housing and the concept of low-cost housing, and that they were trying to assure the continuation of a project like Amazon on the campus.

Mr. Hartman reviewed various negotiations and recommendations which had occurred during the period 1970-72. He pointed out fluctuations in the figures from University staff pertaining to estimated losses for the Amazon housing operation. He also questioned the activities of the housing policies committee in terms of the recommendations made by the committee and stated that a quorum was not present at meetings in which the recommendations were approved for an increase in the rent.
The estimated losses were not consistent with actual losses shown by the University accounting records so that it appeared that some of these losses might be "paper losses."

Mr. Hartman read an affidavit from the secretary of the Housing Governance Committee which charged that no vote had been taken on the subject of the rent increase. Further, he said that the cooperation of the Housing Office in providing information and responses to questions from the tenants' union had been unsatisfactory and that full information had been made available only a few days before the Board meeting.

Mr. H. P. Barnhart, Director of Housing, pointed out that figures do change in the housing operation as the result of changes in costs and new information. However, he said the students should be commended for their detailed presentation.

In response to a question from Mr. Westerdahl concerning the accuracy of the figures presented by the tenants' union, Mr. Ennis Wuite, Fiscal Analyst, Board's Office of Administration, said that the $9,544 profit for year 1971-72 indicated by the tenants' union is incorrect. In the income and expense statement, preliminary figures indicate that the loss will be $11,534 for fiscal year 1971-72. The presentation by the tenants' union relates to the cash outlay for actual expenditures rather than the net profit-loss for the current fiscal year, which takes into account the cost of building repairs based on the percentage charge for maintenance and repair of buildings.

The building repairs account was charged four percent based on building replacement values for the fiscal year 1971-72. However, it will be reduced to three percent for year 1972-73. The replacement value of the buildings, based on the Engineering News Record, will increase 13 percent to an adjusted amount of approximately $2,500,000. The $2,500,000 evaluation indicates a value of slightly more than $10,000 per rental unit.

The estimated building repairs expenditure for 1972-73 is expected to be approximately $77,000. The three percent maintenance reserve of replacement value of buildings will amount to $77,246. This will closely equal the amount which is estimated for the actual building repairs expenditures. If the reserve for building repairs were retained at four percent for 1972-73, the amount charged to the income and expense statement as building repairs would increase by approximately $25,000. In order to have a break-even operation based on the four percent rate, the monthly rental rate would need to be increased by another $8.40 above the $2.50 rate requested.

Mr. Westerdahl referred to the question of "paper losses" versus "actual losses," and asked what factors were considered other than operating expenses.
Mr. Wuite said this referred to the profit and loss statement based on the fiscal year 1971-72, income less expenditures, with building repairs charged at four percent of the replacement value of buildings for a total of $91,146. At three percent, the building required charge would be $78,000. On the latter basis, the operation would reflect a profit of about $11,500 rather than a loss of $11,534 for year 1971-72.

Mr. Bill Wyatt, President of the Associated Students of the University of Oregon, said that he could not comment on the figures but that he did question why full information was not made available to the representatives of the tenants' union.

President Clark said that an effort to provide statistical data was made relatively early in the discussions, but that there was a misunderstanding as to the information available, what was wanted, and what should be provided. He said that the practice of opening records to students is a relatively new concept and the failure to do so represented conventional behavior rather than an effort at secrecy.

Mr. Hartman replied that, in his opinion, the action in this situation and the reluctance to provide information went beyond that of traditional behavior and showed bad faith on the part of the Housing Office.

Mr. Westerdahl moved that the staff recommendation be amended to delete the increase for Amazon housing so that the monthly rental rate would remain at $42.50. He said he made the motion for the following reasons: (1) failure to approve the increase would not have a serious fiscal impact; (2) the students have been constructive in their approach to this policy change; (3) sufficient questions were raised during the presentation to justify postponing a decision to increase the rate until there has been an overall review of housing policies; and (4) the questions raised in the students' presentation were sufficient, in his opinion, to respond affirmatively.

Mr. Stewart said he favored the motion but that he would urge that the Board adopt an overall policy for negotiating with students on rental rates and the factors related to the determination of costs, reserves, and rental charges.

Mr. Stewart also questioned the advisability of dropping the building maintenance reserve to three percent, particularly when the Amazon housing is older housing.

Mrs. Johnson raised the questions of the justification for providing married student housing and the amount of reserve that is necessary if future additional housing is no longer needed.
Board Action:

The Board approved the staff recommendation as amended.

President MacVicar said that in view of the Board's decision to leave the present rental rate stand at Amazon, he wished to reopen the question of the recommended increase for Campus Court units at Oregon State University. It was agreed that a review of the proposed charge at Campus Court would be made and President MacVicar would present a specific recommendation concerning the rental charge for those students at the adjourned Board meeting on August 28.

(Considered by Finance Committee, June 27, 1972.)

Staff Report to the Committee

At its meeting on April 27, the Finance Committee recommended that the 1973-1975 budget recommendations be predicated on 1972-73 tuition rates but that there be related studies of alternative tuition plans for consideration prior to the 1973 legislative session. These alternative plans were to include:

1. Consideration of the contingency of judicial decisions that might preclude assessment of a differential tuition to nonresidents.

2. Tuition rates graduated in accord with ability to pay.

3. Expanded opportunity for students to earn part of their tuition, particularly if tuition were to be increased substantially.

The Board on May 22 approved the recommendation and the proposed study of the alternatives. The discussion indicated the desire and expectation that there would also be attention to tuition issues previously considered, including limits on the number of subsidized credit hours, differentials for lower-division and upper-division students, for international and other nonresident students, (graduate and undergraduate), for certain professional and paraprofessional programs (e.g., law, medicine, dentistry), and for certain institutions and the most effective means of relating student financial need to the necessary levels of tuition.

In providing an appropriate response to these Board requests, it would seem to be necessary to prepare a comprehensive report and recommendations for Board consideration. The report should be viewed as a basic document proposing for review by the Governor and the legislature both the action proposed to be taken by the Board and potential changes in statute, where necessary and desirable.
The proposed report might conform to the following tentative outline:

I. Introduction and Background Materials

A. Summary review of the major threads of national developments relating to tuition and student aid

1. Federal legislation
2. "Ability to pay" tuition plans
3. "Pay as you earn" long-term student loan programs
4. Differentials for nonresidents (including judicial decisions)
   a. Undergraduate
   b. Graduate
5. Special programs of "tuition forgiveness"
6. Voucher plans

B. The Oregon situation

1. Tuition levels and policies
   a. Community colleges
   b. Private institutions
   c. OSSHE
2. Financial Assistance
   a. Scholarships and fee remissions
   b. Other financial aid
      (1) Institutional loans
      (2) Guaranteed loans
      (3) Work-Study programs
         (a) Federally supported
         (b) Other
3. Operating costs at Oregon institutions (1973-1975)
   a. By institution
   b. By level of student
   c. By program

II. Tuition Philosophy

A. The bases for tuition policy

1. The total cost of higher education
   a. Instruction-related costs
   b. Student costs (including income foregone)
2. Institutional resources
3. The benefits of higher education (the basis for and limits of public subsidy or other assistance)
4. The propriety of differentials
   a. By institution
   b. By level of student
   c. By program
   d. By place of residence
   e. By ability to pay
B. The specifics of Board philosophy on tuition

1. The sharing of costs and benefits
2. Differentials
   a. By institution
   b. By level of student
   c. By program
   d. By place of residence
   e. By ability to pay
3. Financial assistance
   a. Scholarships and other fee remission
   b. Work opportunity
   c. Loan programs
      (1) Short term
      (2) Long term

III. Feasibility of alternative policies for 1973-1975

A. Without additional legislation (other than appropriations)

1. Ranges of tuition support (related to cost of instruction)
   a. By institution
   b. By level of student
   c. By program
   d. By place of residence
2. Expansion of work-study programs

B. Contingent legislation relating to nonresident students

1. Limitation on nonresident numbers
2. Expanded scholarships to graduates of Oregon high schools or colleges

C. Legislation authorizing

1. Tuition based on ability to pay
2. "Pay as you earn" loans
3. Voucher system

IV. Summary and Recommendations

Staff Recommendation

It was further suggested that, if the foregoing outline appeared to merit the effort, the following schedule was recommended:

October 6 Completion of first draft
October 25 Review by Finance Committee
November 27 Action by the Board
Committee Discussion

During the Committee discussion, it was indicated that it would be useful to have information on the specific financial situation of students and on the effect any particular policy might produce in the way of revenue. Mr. Joss said he would be interested in a study of an experimental program to reduce out-of-state tuition for students at Eastern Oregon College, Southern Oregon College, and possibly Oregon Technical Institute.

Committee Recommendation

The Finance Committee recommended that the Board approve the recommended schedule and that the staff undertake the suggested studies, with the provision that students and other agencies concerned also will become involved in the consideration of these alternatives.

Board Discussion and Action

The Board approved the recommendation as presented.

Staff Report to the Committee

At its January 24, 1972, meeting, the Board authorized spring term experimentation with "deferred payment" (installment) plans for the payment of tuition. Only Portland State University offered such a plan.

The following is the report filed by the University of its experience to June 5:

When the Board authorized installment payment of tuition at Portland State University during spring quarter 1972, we estimated that some 1,500 students would probably take advantage of the plan. The actual number who applied and used the plan was 1,156. They deferred a total of $140,144 of tuition. Among the 1,156, 120 were graduates, 1,017 were undergraduates, and 19 were nonresident students.

As of June 5, $6,621 or 4.7 percent of the amount deferred is outstanding and past-due. In accordance with our agreement, we are proceeding to cancel the registrations of some 50 students. An additional 21 students have come in to make specific arrangements for payment of their tuition later this month.

Procedurally, the program was very successful in that students were permitted to undertake installment payments with a minimum of paper work and red tape.
Of the students who applied for deferred tuition, 64 were new students and 1,078 were returning students. The deferred tuition program influenced 149 students to enroll at Portland State University.

We had programming costs of approximately $2,000 to right the accounts receivable program to handle the deferred tuition procedure. Our estimated annual computer expense will be $5,500 for operations and $500 for systems maintenance. These are not out-of-pocket costs, but represent the amount of time we have apportioned to this activity. Our Business Office expense on an annualized basis will be $11,365, including the costs of 1.3 clerks for accounting processing, billing and collection, some student help, and $830 for forms and postage.

If you need additional information, please let me (W. T. Lemman) know. We recommend continuation of the program in the next academic year.

Other institutions have been considering such plans but have not made specific recommendations pending the receipt and discussion of the report of Portland State University experience.

Staff Recommendation

If the Committee is persuaded that the spring term experience with installment payments at Portland State University warrants extension of the authorization for experimentation, it is proposed that the Committee recommend Board action to continue the authorization in the 1972-73 academic year (on an experimental basis and subject to the Chancellor's approval) of the authority of the institutions to offer deferred payment plans involving a minimum of administrative procedures.

Committee Discussion

Mr. Lemman reported that more recent figures indicated that $2,868 was outstanding as of June 27, 1972, which represents slightly over two percent of the total deferred tuition. Of that amount, $1,430 is due from 19 students who have made specific arrangements to pay during July. The remaining $1,438 is represented by 15 students whose registrations have been cancelled with their knowledge and concurrence.

During the Committee discussion, it was indicated that the staff recommendation would permit other institutions to follow the installment tuition plan. The University of Oregon expects to move into this program in September of 1973 after certain other changes have been completed in the student administrative service areas.
Committee Recommendation

The Finance Committee recommended that the Board approve the recommendation as presented.

Board Discussion and Action

The Board approved the recommendation as presented. Mrs. Johnson said that in view of rising costs to students for education, consideration should be given to looking at work-study plans that are not involved with academic credits being granted to students during their work intervals.

(Considered by Finance Committee, June 27, 1972.)

Computer Network Policy Board

Staff Report to the Committee

In February, the institutional executives devoted three days to a consideration of the effectiveness with which the computing resources of the Department of Higher Education are being used. One of the results of the conference was the establishment of an interinstitutional committee which has considered (with the assistance of a technical advisory group) the feasibility of a computer network serving all of the institutions. The computer network would provide the means of making available to every institution equitable access to our computer resources.

Although the interinstitutional committee has not agreed finally upon the specific equipment configurations, staffing pattern, and budget, the committee has agreed on the desirability of coordinated planning and central direction -- under an interinstitutional board -- of a departmental computer network. It has proposed (unanimously) a statement relating to the purpose, composition, and functions of a "Network Policy Board." The statement would become effective upon approval by the Board of Higher Education.

The computing budget requests of the institutions for 1973-1975 are being developed on the basis of a continuation of the present distribution of computing resources. The interinstitutional committee has been receiving alternative plans for 1973-1975 that would create a central staff and provide additional staff and equipment to the smaller institutions. These plans also anticipate the disposition of the University of Oregon Business Office computer (360/20), the upgrading of the UO 360/50 to 360/65, and disposition of the Controller's 360/40. The proposed location of the 360/65 (in Eugene or Corvallis) is still under discussion.

The present total computing budget for the instructional, research, and administrative needs of the Department is nearly $7 million a biennium. It is expected that at least one of the alternative plans will be within reasonable range of that figure, including estimated one-time costs for new equipment and other requirements.
The need to provide improved computer resources for the smaller institutions and Portland State University is very great; the network concept offers an extremely promising and feasible means of meeting the need.

Accordingly, the interinstitutional committee recommended the following statement:

The Network Policy Board

There is hereby established in the Department of Higher Education a Network Policy Board (hereafter referred to as the Board) to formulate, subject to the approval of the Chancellor, policies governing the operation and management of the computer network of the Department.

I. Purpose

It shall be the purpose of the Board to recommend to the Chancellor the adoption of policies relating to the coordinated design and method of operation of those electronic data processing facilities in the Department that are set aside, upon the Board's recommendation, for joint use by the several institutions. In fulfilling this obligation, the Board shall exercise its best efforts to:

1. Maximize, within available resources, the academic (both instruction and research) and administrative capability and service potential of the network;

2. Establish policies covering the management of the network such that the legitimate needs of the institutional users and the Chancellor's Office will be served in an equitable manner and strictly in accordance with the Board's policy guidelines;

3. Establish policies aimed, subject to the requirement that the network be source and user oriented, at optimizing the operating efficiency of the network;

4. Eliminate unnecessary duplication.

II. Composition

The Board shall consist of the Chancellor or his designee and one representative of each institution in the Department of Higher Education, recommended by the respective institutional executive, and appointed by the Chancellor.

III. Officers

The Board shall choose a chairman to preside at meetings and to perform such other duties as may be assigned by the Board.
The Board may choose such other officers who shall perform such duties as the Board may determine. The normal periods of service of officers, including the chairman, shall be the fiscal year, but the Board is free to establish other periods of service at its discretion. Officers shall be eligible to serve successive terms, but the Board shall attempt, insofar as practicable, to rotate its designations of officers among the institutions (including the Chancellor's Office as an "institution").

IV. Functions

1. The Board shall prepare recommendations to the Chancellor for the employment of:

   a. The network director at a salary and upon terms to be determined by the Board;

   b. Such other personnel, upon recommendation of the network director, as the Board considers necessary to fulfill its obligation to plan, develop, and operate the network equitably, for the benefit of all institutions in the Department (including the Chancellor's Office);

2. The Board shall review and propose to the Chancellor policies concerning:

   a. The assignment of priorities;

   b. Schedule of charges including, if any, shift differentials;

   c. Equipment acquisitions, including type of equipment, time of acquisition, whether or not centrally operated (including institutional acquisition);

   d. Systems development, including decisions on whether and how to proceed and the specifications that will be set forth;

   e. Budget requests;

   f. Measures necessary to avoid unnecessary duplication in the development of instructional, research, and administrative systems;

   g. Location of computing facilities.

3. The Board shall exercise overall supervision of the network operation.
V. Meetings

Meetings shall be called by the chairman but in no event shall there be less than four meetings per year or one meeting each academic quarter, including the summer term as a quarter. The chairman will determine the location of the meetings.

VI. Amendment and Sanction

These provisions shall become effective upon approval by the Chancellor and the Oregon State Board of Higher Education. Amendment hereto, which may be adopted by a majority vote, provided notice of the amendment is given at the prior meeting and is included in the agenda for the meeting at which action is taken, shall become effective when approved by the Chancellor and Board of Higher Education.

Staff Recommendation

The full implementation of the network concept is dependent on Board, Executive Department, and Legislative approval of the necessary budgets. However, it would be desirable to create the Network Policy Board at this time to allow it to continue the planning efforts that are under way with some assurance of Board support of the concept.

Accordingly, it was urged that the Committee on Finance recommend Board approval of the statement establishing the Network Policy Board.

Committee Discussion

Vice Chancellor Holmer indicated that where the term Network Policy Board was used in the staff report and recommendation, it should be changed to Computer Management Council.

During the Committee discussion, President Rempel said that the computer network has great potential for better services and greater cooperation of effort on all campuses. Institutional executives indicated general agreement with the idea of a computer network but expressed reservations about the functions assigned to the Computer Management Council and whether it would be a policy-making body or would actually be making administrative decisions. They also said that there should be an opportunity for further study of the proposed document on the various campuses.

It was generally agreed among the institutional heads that the real problems in terms of the computer network will occur when the decisions relating to location, priorities, budgeting, and computer charges are made and that these decisions should be made by those individuals who are best informed in terms of computer capabilities rather than by a committee representing nine institutions.
Committee Recommendation

The Finance Committee recommended that the staff report, with the change in name to Computer Management Council, be referred to the Board without recommendation, in order to give the institutions an opportunity to study the document more carefully.

Board Discussion

Mr. Holmer said that it will be necessary to produce a more detailed comprehensive plan for the operation of computer resources in the Department of Higher Education. At the same time it is necessary to have adequate safeguards to assure that the needs for research, instruction and personnel data at the University of Oregon and Oregon State University are fully protected. These resources are of substantial value and should not be deteriorated in the process of developing a coordinated approach to the problem of computer resources. At the same time, various user groups must be assured of adequate allocation of computer equipment and computer resources. He said it is understood that the establishment of the council does not connote institutional support of a network plan unless the budget for the network is adequate to provide for full maintenance of the existing levels of service, improvement of service to the smaller institutions, and normal growth in computer usage.

In response to a question, Mr. Holmer indicated that a budget for the network operation would probably not be submitted for Board approval prior to the September meeting.

President Layman then recognized Mrs. Louise Weidlich, President of Mothers for Children, for the purpose of making a presentation on the subject of computers.

Mrs. Weidlich indicated that the adoption of an extensive computerized information system should be challenged on constitutional grounds and as an invasion of privacy. She referred to several articles dealing with the cost and effectiveness of computers and the possible ways in which the use of the computer data would be an invasion of privacy. She concluded by asking that the Board permit a presentation by Mr. Frank Majdali, Legislative Consultant in the State of Washington.

Mr. Majdali reviewed the computer project in the State of Washington and said that it was similar to the one proposed for Oregon. He said that the expenditure for the Washington project had continued to increase and had not resulted in a comparable amount of additional service. He said he and his associates could provide the State System with an adequate computer system at a reasonable cost and offered to work with the Board's Office staff in developing such a computer system.
President Clark said he would favor the motion by Mr. Mosser to approve the statement summarized in the docket report, subject to the introductory statements by Mr. Holmer which indicated that the recommendations were tentative and did not establish policy and control at this time. President Clark also cautioned that substantial nonstate funds could be lost if the new computer network did not provide adequate facilities for the present computer users including directors of projects financed by granting agencies.

President MacVicar voiced his reservations about the staff recommendation pertaining to the computer network but indicated that he could support the statement as modified by Mr. Holmer's remarks concerning consultation and general non-specific institutional cooperation and support.

The Chancellor said some of the concerns expressed were ones which the proposed council is going to have to solve. He said there are three alternatives: (1) to retain the institutional autonomy within broad Board policy, making it difficult to obtain coordinated development of computer facilities insofar as state government is concerned; (2) centralize the computer system without a council to provide direct and regular institutional input; and (3) establish a council which would develop the policies by which a centralized administrator will administer the computer program.

Board Action

The Board approved the recommendation by a vote of five to three, with the understanding that the proposed council would be an advisory group. Mr. Corey, Mr. Holmes and Mr. Snider voted against the motion.

(Considered by Finance Committee, June 27, 1972.)

Professional Fee Billing, APA Hearing

Staff Report to the Committee

The Medical School Hospital is financed primarily from two sources: (1) hospital fees collected from patients having the ability to pay; and (2) legislative appropriation. When the hospital was opened it was decided that admission of patients should be based upon need for care and ability to contribute to the educational program of the Medical School, without regard to the patient's financial resources.

In the past 15 years, the percentage of hospital income collected from fees has increased from 15 percent to the 47 percent projected for 1971-1973. Despite the increase in fees, legislative appropriations have increased steadily in response to the increase in costs of hospital operation.
During 1971, several legislators expressed a desire that the proportion of admitted patients able to pay for their care be increased. The Executive Department has indicated its "desire to absolutely minimize the use of state general fund monies for the operation of these facilities." To respond to these fiscal concerns, it is possible to increase hospital fee income materially only through the increased admission of private patients who are able to pay for their care.

Historically, medically indigent patients have provided the majority of patients at the hospital. With the development of medical and hospital insurance and new federal programs for support of the medically needy, the trend of the decline in medically indigent patients is expected to continue.

A related consideration is the need to pay salaries to the clinical faculty members that are more competitive with those paid in other schools and with the rewards of private practice. In other schools, faculty members are allowed the opportunity to hospitalize and collect fees from patients in their teaching hospitals. From the time full-time clinical faculty members were first appointed (in the 1940's), their appointments were made on a "geographic full-time basis." Their appointments (.90 to .95 FTE) allow the privilege of devoting some time to private practice, keeping the fees thus earned. Hospitalization connected with such private practice is restricted to private hospitals. More efficient use of the faculty member's time could be achieved if he could hospitalize his patients at the Teaching Hospital.

The administration and the faculty of the Medical School have considered these factors and have proposed a plan of procedure which would result in:

1. Support of the educational program of the School;
2. Secure the admission of more patients able to pay the costs of hospitalization;
3. Enhance the professional income of faculty members; and
4. Increase the availability and efficiency in the use of time of faculty members.

The plan of procedure proposed by the administration and faculty of the Medical School is as follows:

1. At the discretion of the physician rendering care, professional fees are to be assessed for personal and identifiable services to hospital patients who have resources for the payment of such fees.
2. The fee will be determined by and assessed in the name of the patient's physicians. This includes the faculty member admitting the patient or the faculty members in charge of or consulting in the patient's care.

3. A corporation will be established to act as the fiscal agent for collection and distribution of the fee income. The accounting records of the corporation will show the amounts received for services rendered by each physician and its distribution in accordance with instructions of the Medical School and its faculty.

4. The professional fees collected from patients in the Medical School hospital will be distributed by the corporation in accordance with the following formula:
   a. Billing, collection and other necessary corporation expenditures will be the first items charged against the fees collected;
   b. 100 percent of the next $38,000 collected each month will be transferred by the corporation to the Medical School and 100 percent of the next $38,000 collected will be transferred by the corporation to the faculty members on a proportional basis;
   c. Additional monthly collections will be transferred by the corporation: 65 percent to the faculty members, and 35 percent to the Medical School.

5. Faculty members are expected to hospitalize their patients in the Medical School Hospital if beds and ancillary services are available, if it is agreeable with the patient and the referring physician, and if the patient is considered to be a good teaching case.

Staff Recommendation

It was proposed that the Committee recommend that the Board hold a public hearing pursuant to the Administrative Procedures Act on adoption of amendments to AR 50.160 to permit the institution of the proposed procedure. The amendments are indicated below (deletions are lined through; added words are underscored):

50.160 Medical and Surgical Charges

1. Patients in the Medical School hospitals or clinics who are found able to pay the cost of all or part of the medical and/or surgical services performed by Medical School faculty members are to be billed for such services by the [Medical—School] faculty members concerned.
It is understood that bills are to be presented to patients only in those instances where thorough investigation of the patient's financial resources discloses that funds are available to pay for the services and where the faculty member rendering the services approves charging the fee. 

2. It is understood that the professional fees to be charged are to be in accordance with a fee schedule prepared by the clinical departments concerned and approved by the Dean's office.

3. Collections from medical and surgical fees billed by members of the faculty are to be divided between the faculty and the Medical School in accordance with a plan agreed upon by the Dean and the faculty members generating such income. The original plan and revisions thereto will be filed with the Board's Office. The amounts received by the Medical School are to be placed in a Medical Education Improvement Fund in the gift and grant group of accounts, to be used for purposes of strengthening the instructional, research, and patient care programs. 

Committee Discussion

During the Committee discussion, two main concerns were expressed with reference to the proposal. First, it was stated that the Oregon Medical Association should be informed of the proposed fee arrangement. Dr. Robert Grover, Associate Dean for Continuing Medical Education, indicated that a joint committee of the Medical School and the Medical Association was discussing the proposal. The Chancellor stated that official approval of the Medical Association would not be required but that Dean Holman had emphasized that the Medical Association should be kept informed.

The second question was the need for the establishment of a ceiling on the amounts which could be earned for the treatment of private patients. The effect on obtaining an adequate number of patients of greatest benefit as teaching cases was also considered. It was suggested that the incentive to treat private patients might result in less concern for obtaining the most suitable teaching cases. It was stated that the ability to pay was not necessarily a factor in determining a patient's value for teaching purposes.
Mr. Zimmerman indicated that one of the foremost considerations in the discussion of this proposal was the unanimous expression of the faculty that the proposed change should in no way interfere with the educational program.

Committee Recommendation

The Finance Committee recommended that the proposal to amend the Administrative Rules be presented for public hearing in accordance with the staff recommendation, with the understanding that the Oregon Medical Association would receive appropriate notice that this matter will be coming before the Board at its meeting on July 24.

Board Discussion and Action

President Layman said that presentations in connection with professional fee billing at the Medical School were in order. Since no one requested an opportunity to be heard, the Board then considered the recommendation.

In response to a question from Mr. Mosser, it was indicated that the State Medical Association had received notice of the public hearing.

The Board approved the recommendation as presented.

Staff Report to the Board

All candidates for licenses to practice medicine or other healing arts in Oregon are required by provisions of ORS 676.010 through 676.090 to take the Oregon basic science examination in six science subjects or obtain the Oregon certificate through reciprocity with certain other states or with Part I of the National Medical Board examination. The Oregon basic science law is administered by the Board of Higher Education through the Board's Office.

Staff Recommendation

To replace Dr. Clair V. Langton, Professor Emeritus of Health and Physical Education, Oregon State University, who has served for many years as the examiner in hygiene and who is resigning from that assignment as of July 31, 1972, it was recommended that Dr. Roy A. Foster, Professor of Health and Physical Education at Oregon State University, be appointed as examiner in hygiene, effective August 1, 1972. Dr. Foster's degree is Doctor of Health Science and he is well qualified for the position. He has been recommended by Dr. Langton.

Board Discussion and Action

The Board approved the recommendation as presented.
Meeting #405-76

July 24, 1972

President Layman announced that special Finance Committee meetings would be held July 31 and August 1-2 in Room 327, Michael J. Smith Memorial Center, Portland State University.

Regular Committee meetings are scheduled for August 28-29, also at Portland State University.

The next regular Board meeting will be held on September 26, 1972, on the campus of Portland State University.

The Chancellor recommended the appointment of Dr. John Byrne, Acting Dean of the School of Oceanography, as Dean of the School of Oceanography, effective July 1, 1972, for 12-months' service, at an annual salary rate of $26,700.

The Board approved the recommendation as presented.

President Layman said that the Administrative Rules of the Board specify the election of officers at the July Board meeting for the fiscal year beginning July 1 through the next succeeding June 30.

Mr. Joss moved that the incumbent officers be nominated to continue in their present positions for another year. There were no other nominations, and Mr. Stewart moved that the nominations be closed and the Secretary instructed to cast a unanimous ballot for the incumbent officers. The motion was approved and the Board elected Mr. George H. Layman as President, Mr. John W. Snider as Vice President, and Mr. George H. Corey as the third member of the Executive Committee.

President Layman indicated his willingness to serve an additional year as president. He said that the Committees have been working well during the present year and reappointed the present Committee members to continue in their assignments for the coming year.

President Layman reported that he and Mrs. Johnson had attended a joint meeting with the Carnegie Commission on Education at which time the Commission released its report on Higher Education in the 1970's and the effective use of resources. One of the major points of the report was the need for institutions of higher education to examine their resources and make more effective use of them because the availability of resources for the expansion of budgets, faculty, and facilities will be limited during the next few years.

He said many of the suggestions pertaining to greater utilization and mutual exchange of resources apply with even greater force to a unified system.

Mr. Layman said the entire problem of duplication of programs within the State System would need consideration and review as the next legislative session approaches.
Mrs. Johnson said that the matter of cutting costs and coordinating programs was emphasized also at the meetings in Washington, D.C.

A regular meeting of the Board's Committee on Academic Affairs, Personnel, and Public Affairs was held June 26, 1972, in Room 327, Michael J. Smith Memorial Center, Portland State University at 9:00 A.M.

The Committee considered the following matters:


   The Committee presents to the Board elsewhere in this docket recommendations for Board consideration and adoption.

2. Request of the Board's Office for Change in Admissions Requirements To Provide for Admission of New Freshmen on Basis of Seven Semesters of Work.

   The Committee approved the recommendation of the Board's Office. A public hearing on the proposed change will be scheduled for the September 26 meeting of the Board.


   The Committee discussed various alternatives for bringing production of teachers more nearly in line with projected employment opportunities. It was concluded that additional information was needed concerning projections of enrollment in the public schools during the next decade and teacher employment statistics as prepared by the State Department of Education. The State Board of Education will be asked to have someone present at the August 28 meeting who can discuss these matters. It was further concluded that the Board's staff, working with the institutions, should prepare information for consideration of the Committee at its August 28 meeting on the possible further reduction in production of secondary teachers through allocation of fields of specialization and establishment of production quotas for the institutions.


   The Committee presents to the Board elsewhere in this docket a recommendation for Board consideration and adoption.
5. Report on Division of Continuing Education.

The Committee reviewed the report prepared for it by the Division of Continuing Education's experience in 1971-72 in adjusting its operations to the dictum of the legislature that it become self-supporting, its plans for 1972-73, and the premises on which the proposed budget for 1973-1975 is based. Discussion centered on problems concerning the relationship of DCE to the institutions. Dr. Romney indicated that the Board's Office would present at a later time a recommendation for some changes in the Division of Continuing Education Guidelines, tentatively approved by the Board in July 1971, which will speak to these relationships. Chancellor Lieuallen reported that the 1973-1975 budget will comply fully with the legislative admonition that the Division be fully self-supporting, but noted that there are strong forces in our society to extend the services of higher education to those who are not too well served under present arrangements which may call for a reconsideration of the principle of self-support.


The Committee considered information prepared by the Division of Teaching Research on the objectives of the Division for the next biennium, requested by the Committee at its May 1972 meeting. Chancellor Lieuallen said it is likely Teaching Research in the future will be tied into the activities of the Board's Office of Academic Affairs much more closely than has been previously anticipated as a result of deliberations of the Interim Committee on Education calling on segments of education to engage in a much more detailed review and evaluation of their programs than now exists.

A complete report of the meeting, titled Report of the Meeting of the Committee on Academic Affairs, June 26, 1972, is submitted to the Board for designation as an integral part of the minutes of the June 26, 1972, meeting.

Board Discussion and Action

The Board accepted the report as presented.

Report of Inspection and Final Acceptance of College Union Building, SOC

Staff Report to the Board

Upon the recommendation of officials of Southern Oregon College and Robert J. Keeney and Balzhiser, Rhodes, Smith & Morgan, associated architects, the work performed by the three principal construction contractors for the College Union Building was accepted as of April 29, 1972, subject to the completion of a few minor items, following inspection by the Vice Chancellor for Facilities Planning on behalf of the Board.
A revised semifinal project budget is shown below in comparison with the budget reported to the Board on April 27, 1970:

<table>
<thead>
<tr>
<th>Project Costs</th>
<th>Revised Budget 4/29/72</th>
<th>Original Budget 4/27/70</th>
<th>Increase or Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General - Blanchard Construction Company, Portland</td>
<td>$2,101,482</td>
<td>$2,025,200</td>
<td>$76,282</td>
</tr>
<tr>
<td>Mechanical - Patterson Plumbing Co., Inc., Medford</td>
<td>493,234</td>
<td>465,124</td>
<td>28,110</td>
</tr>
<tr>
<td>Electrical - Steck Electric Company, Medford</td>
<td>182,005</td>
<td>164,600</td>
<td>17,405</td>
</tr>
<tr>
<td>Total direct construction costs</td>
<td>$2,776,721</td>
<td>$2,654,924</td>
<td>$121,797</td>
</tr>
<tr>
<td>Professional services</td>
<td>183,625</td>
<td>182,379</td>
<td>1,246</td>
</tr>
<tr>
<td>Furnishings and equipment</td>
<td>186,512</td>
<td>176,493</td>
<td>10,019</td>
</tr>
<tr>
<td>Land acquisition</td>
<td>188,674</td>
<td>275,000</td>
<td>(86,326)</td>
</tr>
<tr>
<td>Site clearance</td>
<td>4,632</td>
<td>5,106</td>
<td>(474)</td>
</tr>
<tr>
<td>Construction supervision and miscellaneous costs</td>
<td>24,836</td>
<td>18,000</td>
<td>6,836</td>
</tr>
<tr>
<td>Contingencies</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>$3,365,000</td>
<td>$3,240,000</td>
<td>$125,000</td>
</tr>
<tr>
<td>Less - Portion of project budget applicable to utility extensions which were budgeted with the Classroom Building (Music)</td>
<td>125,000</td>
<td>125,000</td>
<td></td>
</tr>
<tr>
<td>Net amount authorized for College Union Building, including land</td>
<td>$3,240,000</td>
<td>$3,240,000</td>
<td></td>
</tr>
</tbody>
</table>

*Including the amount of $5,650 to be withheld as liquidated damages for delay in completion (113 days at $50 per day).

(1) Including relocation of movable walls in Room No. 105, modification of lower level floor space to provide the potential for a future ice skating rink, revisions to driveway at service entrance, changing landscaping and irrigation system, modifying a space to receive lockers, relocating casework in certain spaces, modifications to kitchen equipment and other minor revisions incorporated within fifty-four approved change orders.

(2) Including revisions to storm drains, relocating water service main, replacing and extending an existing pressure sprinkler system, modification of lower level floor space to provide the potential for a future ice skating rink and other minor revisions incorporated within twenty-one approved change orders.
(3) Including wiring changes to certain fan units, addition of convenience outlets to certain spaces, adding provisions for a television monitoring system including cable and jacks, modifying services to kitchen equipment, modification of lower level floor space to provide the potential for a future ice skating rink and other minor revisions incorporated within eighteen approved change orders.

Plans and specifications for the project were prepared by Robert J. Keeney of Medford and Balzhiser, Rhodes, Smith & Morgan of Eugene, associated architects. In accordance with the long-range campus plan for Southern Oregon College, the building is located west of the Britt Center on the south side of Siskiyou Boulevard. The gross area of the building is approximately 84,642 square feet. The lower level includes recreational spaces, loading dock, storage and mechanical areas. Most of the main floor level is devoted to food service facilities, information desk and student lounges. The upper floor level includes meeting rooms, offices for student organizations, College Union administrative offices, a television lounge, browsing area, music listening room, art gallery, storage and related service spaces. The work also included the extension of utilities in an underground tunnel to the building, financed partially from the budget of the proposed Classroom Building (Music), also authorized by the 1969 Legislature.

Approval has been given by the Department of Housing and Urban Development for an interest subsidy grant on a major portion of the project costs. The subsidy will provide an amount equal to the difference between actual interest costs on the approved base and interest calculated at three percent per year.

**RECAPITULATION UPON FINAL ACCEPTANCE OF CONTRACT**

Project - SOC College Union Building, including land

Architects - Robert J. Keeney, Medford, and Balzhiser, Rhodes, Smith & Morgan, Eugene, associated architects

Legislative authorization - Chapter 664, Oregon Laws 1969

Board's priority - No. 14 in 1969-1971 (auxiliary enterprises)

Estimated gross area - 84,642 square feet

Estimated total project costs (net of $125,000 of utility extension costs of which $70,000 was financed from state funds and $55,000 came from balances available for auxiliary enterprises) $3,240,000
Meeting #405-81

Estimated total direct construction costs:
Total (including utility connections and landscaping) $2,776,721
Building and fixed equipment only:
Total - $2,496,521
Average (per square foot) - $29.50

Tentative financing plan:
Bond borrowing under provisions of Article XI-F(1) of the Oregon Constitution and balances available for auxiliary enterprises $3,240,000

Board Discussion and Action

The Board accepted the report as presented.

Staff Report to the Board

Upon the recommendation of officials of the University of Oregon and J. Donald Kroeker and Associates, project engineers, the work performed by the principal construction contractor for the Utilities Extension project was accepted as of June 28, 1972, subject to the completion of a few minor items, following inspection by the Vice Chancellor for Facilities Planning on behalf of the Board.

A revised semifinal project budget is shown below in comparison with the budget reported to the Board on October 7, 1971:

<table>
<thead>
<tr>
<th>Project Costs</th>
<th>Revised Budget 6/28/72</th>
<th>Original Budget 10/7/71</th>
<th>Increase or (Decrease)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utilities Extension - Valley Inland Pacific Constructors, Inc., Oregon City</td>
<td>$731,623</td>
<td>$659,311</td>
<td>($72,312)</td>
</tr>
<tr>
<td>Other work previously contracted or to be contracted for electrical service revisions, feed water pump, sump pumps, etc. (estimated)</td>
<td>$61,176</td>
<td>$105,000</td>
<td>($43,824)</td>
</tr>
<tr>
<td>Total direct construction costs</td>
<td>$792,799</td>
<td>$764,311</td>
<td>$28,488</td>
</tr>
<tr>
<td>Professional service fees (net of expenditures of $39,452 authorized by Chapter 664, Oregon Laws 1969)</td>
<td>$15,409</td>
<td>$32,176*</td>
<td>($16,767)</td>
</tr>
<tr>
<td>Construction inspection and miscellaneous costs</td>
<td>$16,792</td>
<td>$13,233</td>
<td>$3,559</td>
</tr>
<tr>
<td>Contingencies (2 percent of direct construction costs)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>$825,000</td>
<td>$825,000</td>
<td>$0</td>
</tr>
</tbody>
</table>

*Included portion of fees for comprehensive utilities study by Sandwell International, Inc. Because of the large change order requirements
for rock excavation for this utility tunnel extension, repayment of
the advance from the Board's reserve for architectural/engineering
planning has been deferred.

(1) Including additional rock excavation, rerouting of fire main
found in way of construction, tunnel and piping changes and other
minor revisions incorporated within ten approved change orders.

The major contract for the utilities extension consisted of the
construction of approximately 2,200 lineal feet of walk-through
tunnel extending east and south of the central plant to connect
with existing tunnels. Except for approximately 150 lineal feet
of corrugated metal tunnel under Franklin Boulevard, the construc-
tion is of reinforced concrete. The prime contract included piping
for low-pressure steam, medium-pressure steam, pumped return and
compressed air, as well as related work for connections to existing
utilities.

RECAPITULATION UPON FINAL ACCEPTANCE OF CONTRACT

Project - UO Physical Plant Utility Improvements
Engineers - J. Donald Krocker and Associates, Portland
Legislative authorization - Chapter 664, Oregon Law 1969, and
Chapter 709, Oregon Laws 1971
Board's priority - No. 3 in 1969-1971 and No. 2 in 1971-1973
(Educational and General Plant); No. 3 in 1969-1971 and
No. 1 in 1971-1973 (Auxiliary Enterprises)

Estimated total project costs (excluding $39,452 for
engineering planning in 1969-1971, of which $27,452
was financed from the General Fund appropriation in
Chapter 664, Oregon Laws 1969, and the remaining
$12,000 was financed from funds available for
auxiliary enterprises) $ 825,000

Direct construction costs:
Utilities Extension $ 731,623
Other work 61,176

Tentative financing plan:
General Obligation bond borrowings issued under
the provisions of Article XI-G of the Oregon
Constitution $ 575,000
General obligation bond borrowings issued under
the provisions of Article XI-F(1) of the
Oregon Constitution and/or other balances
available for auxiliary enterprises 250,000
Total $ 825,000

Board Discussion and Action
The Board accepted the report as presented.
Meeting #405-83

In accordance with authorization granted by the Board on June 9, 1971, arrangements were made with Architects Skidmore, Owings & Merrill for modifications to the mechanical systems within the Science Building, Second Addition, at the University of Oregon to correct some difficulties experienced following the completion of the building in the fall of 1968. The work involved the improvement of air circulation and the exhausting of contaminated air from various laboratory areas as well as the re-balancing of all mechanical systems within the building.

Much of the work was contracted with Temp-Control Corporation, and the professional services relating to the balancing were performed by Northwest Engineering Service, Inc., Portland. Minor portions of the work were undertaken directly by the Physical Plant Department of the University.

The architects assumed responsibility for one-third of the total expenditure requirements of $82,103.91, or $27,367.97, and the remainder was financed as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction funds authorized for Science Building,</td>
<td>$34,735.94</td>
</tr>
<tr>
<td>Third Addition and Alterations</td>
<td></td>
</tr>
<tr>
<td>Board's reserve for physical plant rehabilitation</td>
<td>$20,000.00</td>
</tr>
<tr>
<td>and minor capital outlay</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$54,735.94</strong></td>
</tr>
</tbody>
</table>

(The allocation of $20,000 from the Board's reserve was well within the maximum of $30,000 authorized by the Board's action on June 9, 1971, for this project.)

The Board accepted the report as presented.

Upon the recommendation of officials of the University of Oregon and Zaik/Miller/Butler of Portland, project architects, the work of the principal construction contractor for the Bio-Social Research Facility was accepted as of June 29, 1972, subject to the completion of a few minor items.

A revised semifinal project budget is shown below in comparison with the budget reported to the Board on September 7, 1971:
Meeting #405-84

July 24, 1972

<table>
<thead>
<tr>
<th>Project Costs</th>
<th>Revised Budget</th>
<th>Original Budget</th>
<th>Increase or Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. F. Wilson Construction Co., Eugene</td>
<td>216,355</td>
<td>196,332</td>
<td>20,023 (1)</td>
</tr>
<tr>
<td>Compound site work and landscaping</td>
<td>-</td>
<td>15,000</td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td>216,355</td>
<td>211,332</td>
<td>5,023</td>
</tr>
<tr>
<td>Professional services fees</td>
<td>18,050</td>
<td>16,650</td>
<td>1,400</td>
</tr>
<tr>
<td>Movable equipment</td>
<td>619</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>Underground utility service connections</td>
<td>2,468</td>
<td>5,000</td>
<td>2,532</td>
</tr>
<tr>
<td>Construction inspection and miscellaneous physical plant costs</td>
<td>8,508</td>
<td>8,091</td>
<td>417</td>
</tr>
<tr>
<td>Contingencies</td>
<td>-</td>
<td>3,927</td>
<td>3,927</td>
</tr>
<tr>
<td>Total</td>
<td>246,000</td>
<td>246,000</td>
<td>-</td>
</tr>
</tbody>
</table>

(1) Including the addition of landscaping and miscellaneous sitework, changing roof to fire-retardant shingles, changing electrical service to underground, improving the drainage outfall and other minor revisions incorporated within four approved change orders.

The proposed facility is located on a two and one-half acre site in the northeast sector of the campus, north of the Millrace and south of the Southern Pacific Railroad line. The building complex for the Bio-Social Research Facility consists of three distinct areas of use closely connected by a common entry and corridor. These divisions of use are: (1) main entrance, reception, director’s office, graduate student seminar room, rest rooms and storage; (2) experimental laboratory spaces, including small animal rooms, and the mechanical room; and (3) animal quarters with observation areas and access to animal runs.

The structure for the office area, experimental laboratory and the animal quarters has concrete block bearing walls with wood roof framing and cedar shingle roofing. The exterior is finished with a dash coat of stucco having integral waterproofing and coloring agent. Windows are anodized aluminum and doors are painted hollow metal.

For the gross area of about 4,350 square feet, the direct construction costs of $199,908 applicable to the building and fixed equipment, excluding exterior cages, walks, drives, landscaping and outside utilities, average approximately $45.96 per square foot.

All of the funds required for the project were provided from the Science Improvement Grant of the National Science Foundation.

RECAPITULATION UPON FINAL ACCEPTANCE OF CONTRACT

Project - UO Bio-Social Research Facility

Architects - Zaik/Miller/Butler, Portland
Legislative authorization - Chapter 709, Oregon Laws 1971

Approximate gross area - 4,350 square feet

Estimated total project costs $246,000

Estimated direct construction costs:
  Total, including exterior cages, walks, drives, landscaping and outside utilities $216,355
  Building and fixed equipment only:
    Total $199,908
    Average (per square foot) - $45.96

Financing plan:
  Federal grants from the National Science Foundation $246,000

Board Discussion and Action

The Board accepted the report as presented.

Staff Report to Board

Upon the recommendation of officials of the University of Oregon Medical School and Architects Campbell-Yost-Grube & Partners, the work performed by the three principal construction contractors for the Basic Science Building was accepted as of May 22, 1972, subject to the completion of a few minor items, following inspection by the Vice Chancellor for Facilities Planning on behalf of the Board.

A revised semifinal budget is shown below in comparison with the budget reported to the Board on January 26, 1970:

<table>
<thead>
<tr>
<th>Project Costs</th>
<th>Revised Budget 5/22/72</th>
<th>Original Budget 1/26/70</th>
<th>Increase or Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General work - Todd Building Company, Roseburg</td>
<td>$3,187,712*</td>
<td>$3,119,740</td>
<td>$67,972 (1)</td>
</tr>
<tr>
<td>Mechanical work - Lord Bros. Contractors, Inc. - Portland</td>
<td>1,514,253</td>
<td>1,495,080</td>
<td>19,173 (2)</td>
</tr>
<tr>
<td>Electrical work - Christenson Electric, Inc. - Portland</td>
<td>556,902</td>
<td>540,691</td>
<td>16,211 (3)</td>
</tr>
<tr>
<td>Total direct construction costs</td>
<td>$5,258,867</td>
<td>$5,155,511</td>
<td>$103,356</td>
</tr>
<tr>
<td>Professional service fees (including consultants)</td>
<td>345,736</td>
<td>316,443</td>
<td>29,293</td>
</tr>
<tr>
<td>Construction supervision</td>
<td>19,474</td>
<td>30,000</td>
<td>(10,526)</td>
</tr>
<tr>
<td>Physical plant &amp; miscellaneous costs</td>
<td>5,500</td>
<td>7,500</td>
<td>(2,000)</td>
</tr>
<tr>
<td>Furnishings and equipment</td>
<td>259,407</td>
<td>276,420</td>
<td>(17,013)</td>
</tr>
<tr>
<td>Contingencies</td>
<td></td>
<td>103,110</td>
<td>(103,110)</td>
</tr>
<tr>
<td>Total project costs</td>
<td>$5,888,984</td>
<td>$5,888,984</td>
<td>$0</td>
</tr>
</tbody>
</table>

*Net of change order additions of $40,728 for work on other projects separately funded, such as parking lot improvements and viaduct construction.
(1) Includes payment for additional excavation, concrete, filling and grading to suit actual site conditions, revising door and hardware schedule and other miscellaneous changes incorporated within eleven approved change orders applicable to the Basic Science Building.

(2) Includes moving water main tee, lowering a gas line, changing copper fins on coils to aluminum, revising water meter service, relocating cooling tower, moving fan and exhaust to provide for autopsy waste table line and other miscellaneous changes incorporated within seven change orders.

(3) Includes installing additional high voltage cables and bus duct, deleting fuses at high voltage switches, adding two exit lights and other miscellaneous changes incorporated within seven change orders.

The seven-story Basic Science Building, plus basement, contains a gross area of approximately 139,819 square feet. It was constructed of poured-in-place reinforced concrete and has structural capacity for five additional floors. Because of the steep sloping site northwest of the Library and west of the Medical Research Building, the main entrance at grade level is at the third floor. Provision has been made for a future pedestrian bridge which would be connected at the fourth floor to the main circulation system of adjacent buildings, thus providing a separation of pedestrian and vehicular traffic and more convenient movement of equipment and supplies. The exterior finish is integrally colored concrete with anodized aluminum window frames. The building provides the basic science classroom, laboratory and service spaces for medical students and the office and research spaces for the faculty and staff in the Departments of Pathology, Bacteriology, and Biochemistry. There are two lecture rooms accommodating about 140 students each, six seminar-demonstration rooms varying in capacity from 20 to 60 students, and sixteen multidiscipline instructional laboratories providing a total of approximately 256 stations. A service elevator and a passenger elevator were included in the project and space has been provided for two additional passenger elevators at some future time. All spaces other than mechanical rooms are air-conditioned.

The planning, bidding, construction and financing of the Basic Science Building was coordinated with the addition and alterations to the Teaching Hospital in order to provide the facilities needed for an increase in the size of the entering class of medical students to 112. The various sources of funds being applied to the Basic Science Building are itemized in the recapitulation below.

RECAPITULATION UPON INSPECTION AND ACCEPTANCE

Project - UOMS Basic Science Building

Architects - Campbell-Yost-Grube & Partners, Portland

Legislative authorization - Chapter 404, Oregon Laws 1967 (supplemented by Chapter 709, Oregon Laws 1971)

Board’s priority - after No. 33 in 1967-1969
Meeting #405-87

Approximate gross area - 139,819 square feet

Total project costs

Estimated direct construction costs:

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$5,258,867</td>
</tr>
<tr>
<td>Total, excluding utility connections</td>
<td>$5,128,867</td>
</tr>
<tr>
<td>Average (per square foot) - $36.68</td>
<td></td>
</tr>
</tbody>
</table>

Financing plan:

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal grants from U.S. Public Health Service:</td>
<td></td>
</tr>
<tr>
<td>Health Manpower Facilities (1-J02-HM-00369-01)</td>
<td>$1,989,604</td>
</tr>
<tr>
<td>Health Research Facilities (1-J01-FR-00369-01)</td>
<td>890,850</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$2,880,454</td>
</tr>
</tbody>
</table>

State Funds:

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Fund appropriation in Chapter 404, Oregon Laws 1967</td>
<td>190,000</td>
</tr>
<tr>
<td>Article XI-G bond borrowings</td>
<td>2,710,250</td>
</tr>
<tr>
<td>Gifts and grants (projected)</td>
<td>108,280</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$5,888,984</td>
</tr>
</tbody>
</table>

Board Discussion and Action

The Board accepted the report as presented.

Staff Report to the Committee

On January 28 of this year, the Emergency Board instructed the Department to implement the Resource Requirements Prediction Model (RRPM) at each of the universities, colleges and Oregon Technical Institute. This is an enrollment-driven, long-range, institutional prediction model which allows for projection of enrollment and cost data by academic department and major field of study. It was developed by the National Center for Higher Education Management Systems (NCHEMS) at WICHE. The Emergency Board reserved $175,000 to finance this project. By the time the Committee meets on June 27, we will have appeared before the Emergency Board to request an allocation of $30,293 to cover costs incurred during fiscal year 1971-72. We will report on the fate of this request at the Committee meeting.

The model consists of two major elements:

1. An induced course load matrix (ICLM) which converts student enrollment by major into workloads for academic departments. The matrix also provides a means of allocating departmental costs to student major programs.
2. Identification of departmental costs of student credit hour production. The data elements used to present these costs include both object costs (such as equipment) and selected staffing ratio information.

With the cooperation and assistance of the NCHEMS staff, we have defined the enrollment, curricular and cost data which will be necessary to run the model.

Each institution's ICLM requires:

1. The number of students, by level (freshman, sophomore, junior, etc.)
2. Each course taken by each student, by course level (lower division, upper division, etc.)
3. The department offering the course.
4. The student credit hour value of the course.
5. The declared major of the student.

Departmental cost data required includes:

1. The FTE and salary of the department chairman and any other administrative staff (if any).
2. Services and supplies and equipment expenditures.
3. Student and irregular wages.
4. Ratio of classified and support staff to faculty.
5. Average salary of classified and support staff.
6. Mix of faculty rank, by level.
7. Average faculty salary, by rank.
8. Number of contact hours per FTE faculty, by level.

When these cost factors are applied to the student credit hours in the ICLM, the RRPM is ready for use as a predictive tool. The model will accept variables in student or course data and cost elements and project alternative student distribution and gross expenditure levels. It is not precise. Nor is it complete, since it deals only with the instruction program. It does allow administrators to consider policy alternatives in developing long-range curriculum plans.

Progress on the model has been satisfactory. During June and July we will have an ICLM developed for each institution. As fiscal year 1971-72 cost information becomes available we will begin its
collection and validation for the model. Unless we meet unforeseen problems, we feel that we are on schedule to meet the March 1, 1973, deadline established by the Emergency Board, at the time the project was assigned.

Implementation of the model will provide a new and different way of describing enrollment and cost distribution for one year, 1971-72. It does not represent establishment of a new management information system. Much of the information required is now available, in one form or another, from existing data files. Through the use of special, unique computer programs these data are incorporated into the model. If the exercise were to be repeated for 1972-73, it would require virtually the same detailed search of a variety of records to produce another year's model.

Progress to this point has been due in large part to the full cooperation and assistance of the participating institutions. Of the requested Emergency Board allocation of $30,293, $8,750 represents time diverted by institutional personnel to this project. A total of $7,168 is direct additional costs (primarily computer services) and $14,375 is for time diverted to the project by Board's Office staff.

It is our expectation that we will provide additional periodic progress reports to the Committee and the Board during 1972-73. We will also be requesting further allocations from the Emergency Board as additional expenditures are incurred.

Board Discussion and Action

The Board accepted the report as presented.

The Chancellor reported that eight requests had been presented recently to the Emergency Board, all but one of which were approved. An additional item was approved with modifications. He said the request was disapproved for the Cooperative Extension Service at Oregon State University to be given authorization to submit a grant request in the amount of $23,000 to provide counseling for families delinquent on their Housing and Urban Development loans. The Chancellor said it was his impression that the request was denied because of a basic question as to whether Cooperative Extension generally should move into the urban areas or whether such activities should be a function of some other agency.

A report on Cooperative Extension will be presented in the near future to the Public Service Activities Committee of the Board and this report will identify some of the assumptions that appeared to be at stake in the decision concerning this request.

The Chancellor said that the Emergency Board had given partial approval to a request dealing with student loan funds. He said that the 1971
Legislature had appropriated $482,000 as matching funds for the NDEA student loan fund program, based on an estimate of the federal money that would become available. The federal funds available were greater than the original estimate and all available federal funds were captured, not by the use of a larger-than-anticipated share of the appropriation, but through the use of other available funds. As a result, the expenditure limitation on the federal funds was used at a faster rate than anticipated when the legislature was in session. He said that at this point an increase in the expenditure limitation should have been requested but this had not been done until the last meeting of the Emergency Board. Three requests pertaining to the loan funds were presented to the Emergency Board: (1) a request for an increase in the expenditure limitation of approximately $1,600,000 which would permit obtaining all of the federal allocation for the loan programs providing matching money was available; (2) a request for an allocation of $51,000 to meet matching fund requirements when combined with other available resources; and (3) a request that approximately $23,000 be reserved as matching funds for a supplemental appropriation bill presently before Congress.

The Emergency Board increased the expenditure limitation by about $750,000 which enables the volume of loans to be maintained during the second year of the biennium at the level anticipated by the 1971 Legislature. However, this reduces the number of loans which could be made available from federal funds and these federal loans have the most favorable terms for the students. The loans are controlled by the institutions and they can assure students that the loans will be available, whereas in other programs the lending agencies determine if the students will get the loans. In addition, there is a cancellation feature connected with the federal loan program for students going into certain professions.

The Chancellor said there appeared to be three reasons for the reduction of the expenditure limitation request. First, it was felt that the request should have been presented to the Emergency Board earlier. There also appeared to be a feeling that an expansion of loan programs encourages students to over-borrow with resulting delinquencies and bankruptcies. A third consideration was the uncertainty as to possible requirements for future maintenance of effort by the State of Oregon which might create difficulties in future biennia.

The Chancellor said that there are three possible courses of action: (1) to assume the action of the Emergency Board constitutes state policy and to accept the decision for a lower level of activity in the NDEA loan fund program; (2) to await the possible reopening of the question by the Executive Department or the Emergency Board itself; or (3) to present a new request to the Emergency Board, modified by the action already taken and by any later information available concerning the allocation of federal funds.
In response to a question as to the precautions which have been taken to assure there would be no future delays in presenting requests for an increase to the Emergency Board, the Chancellor said that monitoring of the expenditure limitation is the crucial question and that the necessary steps have been taken to assure that this will be done.

In view of the need to submit an agenda item to the Emergency Board prior to the next Board of Higher Education meeting, the Finance Committee voted to support the Chancellor in reopening the matter with the Emergency Board and it recommended to the Board that it ratify such actions as he may have taken prior to the next Board meeting on July 24, 1972.

Mrs. Johnson asked about the effect of the passage of the higher education bill on the NDEA loans. The Chancellor said that one of the essential impacts will be a modification of the cancellation feature to reduce the number of opportunities for recipients of the loans to seek cancellation based upon certain specified service, such as teaching.

President Clark commented that there should be as much flexibility as possible in the availability of funds so that the institutions could take full advantage of available federal funds.

Mr. Mosser said that there are two possible results from not getting these funds -- one is the loss of revenue from students who will be unable to attend school, and the other is the likelihood that students would get more expensive loans and have a greater risk of default.

Board Discussion and Action

The Board accepted the report as presented.

(Considered by Finance Committee, June 27, 1972.)

Staff Report to the Committee

In the development of the budget to be recommended by the Board for the Department of Higher Education in 1973-1975, it is necessary to consider the requests of the several institutions, statewide public services and independent divisions. These requests were due for submission to the Board's staff on June 15.

The Board, in its action on May 22, identified a series of policy recommendations to guide the institutions, services and divisions in the preparation of these requests. These guidelines included:

1. 1978-79 Fall Term enrollment limitations

2. Graduate enrollment goal of 5,150 three-term FTE and information about graduate students in several categories
3. Continuation of 1972-73 tuition rates, with studies of certain alternate plans

4. Restoration of authorized student teacher ratios

5. Plan for achieving salary parity

6. Planning for additional faculty retirement options

7. Overall limitation of program improvement requests to approximately 7 percent of the approved 1971-1973 budgets (not to be applied uniformly)

8. Separate reviews of summer sessions, University of Oregon Law School, Division of Continuing Education (including Portland State University transfers), and certain graduate programs.

It is expected that the institutions, within these guidelines, will have additional items of special need. The Board must weigh these general guides and special needs to assure itself that the budget recommended does present an equitable and balanced allocation of resources among the institutions, services and divisions. The variety of considerations involved in reaching such conclusions is almost infinite and the resources are not.

Among the needs to be described by the institutions, at least four are expected to be generally significant:

1. Plant rehabilitation. The deferral of needed rehabilitation (and some maintenance) has been a necessary response to past financial crises. This cannot be tolerated longer; the budget for 1973-1975 should inaugurate a permanent program of funding for action to sustain the physical plant.

2. Equipment replacement and modernization. During the past two decades, equipment needs have been met in major part either as a part of the capital construction program required by enrollment expansion or from federal sources (as direct grants or as a byproduct of research projects). With the stabilization of enrollment, it is necessary to provide greater regularity of appropriation for equipment needs. The Medical School Teaching Hospital faces a special problem in assuring its capability of meeting its responsibility for providing quality medical care.

3. Adequacy of administrative support. It is important that instructional needs receive the highest feasible priority. This has generally been the policy of the Board and of the institutional executives. One result has been to "make do" with clerical and administrative staffs that cannot provide a satisfactory level of management support and information.
(This is not equally true of all institutions, services and divisions.) Despite the very substantial investment in the development of automated financial management systems, a continued effort toward an interinstitutional computer network and collaboration in the development of other administrative systems (notably in student data) is of very high priority.

4. Libraries. Like plant rehabilitation, library acquisitions are tempting candidates for deferral in times of a financial crunch. So, too, are hours of library operation. In a few cases, library resources have been the subject of comment by accrediting agencies. The budget recommendations must consider the requirements of library adequacy.

5. Summer sessions. Greater effectiveness in the use of physical plant and other resources could result from the operation of the summer session as a fourth term. The obstacles (as in student and faculty preferences) are substantial. In the case of the Dental School, for example, the alternative in providing for increased opportunity for training (as measured by the cost of space and equipment) argues emphatically for a fourth term. The same is true at Oregon Technical Institute. At the very least, the budget for 1973-1975 should include funds to be used in specific and detailed planning for four-term operations at the University of Oregon Dental School and Oregon Technical Institute and at one or more of the other institutions.

6. Individual program priorities. There will be proposed improvements in the programs of the institutions, services, and divisions. Some of these will merit favorable consideration in the light of the unique missions involved.

Staff Suggestion

It is, of course, impractical and inappropriate at this stage of the development of the budget to prescribe a definitive catalog of budget priorities. It is entirely proper, however, to begin to sort out the basic considerations that should underlie the more definitive list that will shortly be required. In previous discussions of priorities, there has been general consensus that restoration of the authorized level of academic staffing (the student-teacher ratio) should be at the top of the list. In the light of the foregoing staff report, it is suggested that two other categories may deserve a higher priority.

Recognizing that not everything bearing the label may qualify, the following priorities are suggested:

1. Those "improvements" required to afford the possibility of maintaining present levels of quality. These would include sums required to maintain plant, equipment, and libraries without further relative deterioration.
2. Those improvements designed to encourage more effective use of resources. This applies to some of the proposals for increased administrative support (such as clerical and administrative staff) and certain planning activities (such as those related to summer sessions).

3. Those "improvements" required to regain authorized levels of quality (as in the student-teacher ratio).

4. Those modifications required in the interests of equity (as in providing some relief for the instate travel budgets of Eastern Oregon College, Southern Oregon College, and Oregon Technical Institute).

Committee Discussion

Vice Chancellor Holmer indicated that the institutional biennial operating budget requests for 1973-1975 were being examined in the Board's Office. He said it was important that there be a further review by the Board Finance Committee of budget request priority policy to be followed with respect to the biennial requests from all institutions and divisions in the Department of Higher Education. He referred particularly to the policy approved by the Board on May 22, 1972, regarding program improvement requests from the institutions. The policy approved by the Board was that program improvement requests be limited to 7 percent of the approved 1971-1973 budget in Education and General Services. The policy approved by the Board provided also that academic salary adjustments and classified staff pay adjustments would be separate requests, not included in the 7 percent limitation. It was also understood in connection with the Board's approved policy that the institution-wide request for teaching staff under the student-teacher ratio approved by the Board would be identified as the highest priority in program improvement.

There was extended discussion by Board members, institutional heads, the faculty representative sitting with the Finance Committee and Board's staff regarding the advisability of changing the order of the request for restoration of the student-teacher ratios to third priority in the list of four priorities shown in the preceding staff report.

Mr. Holmer had stated in explanation of his suggested revised list of four priority items that he felt that in looking at operating budget improvements, first priority should probably now be given to those improvements above the present authorized budget which are required to assure maintenance of present levels of quality, and these would include sums for plant maintenance and equipment and libraries where additions are needed to prevent further deterioration. He suggested that second in priority should be improvements designed to encourage more effective use of present resources, such as improvements in administrative and clerical support and planning for
improved summer sessions. Then third would come those improvements required to regain authorized levels of quality, through restoration of the previously authorized student-teacher ratios. And in fourth priority would be adjustments of some matters of equity, such as in-state travel for the institutions located at the greatest distances from the centers where Board meetings and other inter-institutional meetings are held.

Following the discussion, it was agreed that the first three items in the list of four should be considered as one general group in the requests for improvements in the operating budget. It was also agreed that individual institutions might find it necessary and appropriate to place different degrees of emphasis on their requests for the four general types of improvements listed.

Mr. Holmer pointed out also that there is really a fifth item to be added to the list of four which had been discussed. This includes the requests for clearly identified improvements in certain programs and services above the level possible under current authorized budgets.

Professor James Hugon, sitting with the Finance Committee, called the attention of the Committee to recent improvements in the economy of the state and in the state's prospective financial position during biennium 1973-1975. He said that in his opinion it was important that the institutions express in connection with their budget requests the amounts of financial support needed to provide an acceptable quality of service in instruction and other services.

Also discussed was the extent and depth of review of institutional budget requests to be accomplished by the Board Finance Committee. Chairman Mosser said that it appears that the Committee will need to schedule more than one meeting for budget reviews. Mr. Holmer stated that it would be his plan to schedule as many meetings as necessary during late July and early August for Committee review of the 22 separate institution and division budgets which are involved. He suggested one day for the colleges, universities, and Oregon Technical Institute; a second meeting for the Medical-Dental Schools, the Division of Continuing Education, Teaching Research, and Public Broadcasting; and a third meeting for Federal Cooperative Extension, Agricultural Research, Forest Research Laboratory, and Centralized Activities. He said that some changes in institutional requests might be needed following Committee review, and then a fourth Committee meeting would be needed at the end of August for final review of the total budget before it is forwarded to the Executive Department on September 1, 1972.

Mr. Mosser said that even with the three budget review meetings suggested by Mr. Holmer, the Committee members would not have time to complete a thorough examination of each institution's budget every year or every biennium. He said he believed it would be necessary to look to the Board's Office for the intensive reviews, with participation by Board members so that they could consider the major policy matters which they feel should have their attention.
Mr. Holmer said that the Board's Office will carry out intensive reviews of the institution and division budgets as suggested and will bring to the Committee's attention a comprehensive list of the policy matters which it will probably wish to consider with respect to each budget. He said that he would send to Board members at an early date a proposed time schedule for the budget review meetings of the Finance Committee during July and August 1972.

Conclusion by Committee

It was the conclusion of the Committee that the preceding report of discussion on priorities in requests for improvements and on procedures for budget review should be forwarded to the Board for information.

Board Discussion and Action

The Board accepted the report as presented.

<table>
<thead>
<tr>
<th>Condition of Board's Unallocated and Plant Rehabilitation Reserve</th>
<th>CONDITION OF BOARD'S UNALLOCATED AND PLANT REHABILITATION RESERVES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>As of July 24, 1972, for the Year Ending June 30, 1973</td>
</tr>
<tr>
<td>I. Board's Unallocated Reserve</td>
<td></td>
</tr>
<tr>
<td>Amount approved by the Board in the initial budget plan for fiscal 1972-73</td>
<td>$ 115,514</td>
</tr>
<tr>
<td>Add: Unexpended balance carried forward from year 1971-72</td>
<td>24,256</td>
</tr>
<tr>
<td>Balance estimated as of July 24, 1972</td>
<td>$ 139,770</td>
</tr>
<tr>
<td>II. Board's Reserve for Plant Rehabilitation</td>
<td></td>
</tr>
<tr>
<td>Amount approved by the Board in the initial budget plan for fiscal 1972-73</td>
<td>$ 50,700</td>
</tr>
<tr>
<td>Add: Balance available from fiscal year 1971-72 as reported to the Board on May 22, 1972</td>
<td>126,170</td>
</tr>
<tr>
<td>Total Available</td>
<td>$ 176,870</td>
</tr>
<tr>
<td>Less: Amount approved to apply toward the cost of modifications of mechanical systems for the science Building, Second Addition, at the University of Oregon</td>
<td>20,000</td>
</tr>
<tr>
<td>Amount approved for library cooling repairs at Eastern Oregon College</td>
<td>5,000</td>
</tr>
<tr>
<td>Balance estimated as of July 24, 1972</td>
<td>$ 151,870</td>
</tr>
</tbody>
</table>

Board Discussion and Action

The Board accepted the report as presented.
REPORT OF IDENTIFIABLE SAVINGS
For the Fourth Quarter, Ending June 30, 1972
Fiscal Year 1971-72

<table>
<thead>
<tr>
<th>Institution</th>
<th>Total Savings Required</th>
<th>Savings Reported To Date</th>
<th>Savings Reported 4th Quarter:</th>
</tr>
</thead>
<tbody>
<tr>
<td>OREGON COLLEGE OF EDUCATION</td>
<td>$52,327</td>
<td>$49,258</td>
<td>$3,069</td>
</tr>
<tr>
<td>EASTERN OREGON COLLEGE</td>
<td>$29,364</td>
<td>$23,998</td>
<td>$5,366</td>
</tr>
<tr>
<td>UNIVERSITY OF OREGON MEDICAL SCHOOL</td>
<td>$65,940</td>
<td>$49,455</td>
<td>$16,485</td>
</tr>
<tr>
<td>UNIVERSITY OF OREGON DENTAL SCHOOL</td>
<td>$23,482</td>
<td>$17,612</td>
<td>$5,870</td>
</tr>
</tbody>
</table>

Total Savings Reported To Be Identified by June 30, 1972

For OREGON COLLEGE OF EDUCATION:
- Savings Reported 4th Quarter: $3,069
- Total Savings Reported: $49,258
- Total Savings Required: $52,327

For EASTERN OREGON COLLEGE:
- Savings Reported 4th Quarter:
  - Replaced retired professor with Instructor, part-time, Spring Term: $1,562
  - Reduction in supplies: 2,400
  - Savings from staff turnover: 1,404
- Total Savings Reported: $23,998

For UNIVERSITY OF OREGON MEDICAL SCHOOL:
- Savings Reported 4th Quarter: $16,485
- Total Savings Reported: $49,455

For UNIVERSITY OF OREGON DENTAL SCHOOL:
- Savings Reported 4th Quarter: $5,870
- Total Savings Reported: $17,612

Total Savings Required: $52,327
Savings Reported To Date: $49,258
Savings Reported 4th Quarter: $3,069
Total Savings: $52,327
**REPORT OF IDENTIFIABLE SAVINGS**

For the Fourth Quarter, Ending June 30, 1972
Fiscal Year 1971-72

<table>
<thead>
<tr>
<th></th>
<th>Savings Reported To Date</th>
<th>4th Quarter Through June 30, 1972</th>
<th>TOTAL SAVINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUMMARY, ALL INSTITUTIONS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Savings Required</td>
<td>$905,562</td>
<td>$30,790</td>
<td>$936,352</td>
</tr>
<tr>
<td>Total Savings Reported</td>
<td>$905,562</td>
<td>$30,790</td>
<td>$936,352</td>
</tr>
<tr>
<td>Total To Be Identified by June 30, 1972</td>
<td>$905,562</td>
<td>$30,790</td>
<td>$936,352</td>
</tr>
</tbody>
</table>

**NOTE:** Institutions other than the four shown in this report have concluded their savings during previous quarters.

**Board Discussion and Action**

The Board accepted the report as presented.
REPORT OF IDENTIFIABLE SAVINGS
For the Fourth Quarter, Ending June 30, 1972
Fiscal Year 1971-72

<table>
<thead>
<tr>
<th>Institution</th>
<th>Savings Reported To Date</th>
<th>4th Quarter April 15, 1972</th>
<th>TOTAL SAVINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>OREGON COLLEGE OF EDUCATION</td>
<td>$ 49,258</td>
<td>$ 3,069</td>
<td>$ 52,327</td>
</tr>
<tr>
<td>Total Savings Required</td>
<td>$ 49,258</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savings Reported To Date</td>
<td>$ 49,258</td>
<td></td>
<td></td>
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<tr>
<td>Savings Reported 4th Quarter:</td>
<td></td>
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<tr>
<td>Telephone Exchange Savings</td>
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<tr>
<td>Total Savings Reported</td>
<td>$ 49,258</td>
<td>$ 3,069</td>
<td>$ 52,327</td>
</tr>
<tr>
<td>To Be Identified by</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>June 30, 1972</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EASTERN OREGON COLLEGE</td>
<td>$ 23,998</td>
<td></td>
<td>$ 29,364</td>
</tr>
<tr>
<td>Total Savings Required</td>
<td>$ 23,998</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savings Reported To Date</td>
<td>$ 23,998</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savings Reported 4th Quarter:</td>
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<td></td>
<td></td>
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<tr>
<td>Replaced retired professor</td>
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<td></td>
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<tr>
<td>with Instructor, part-time,</td>
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<tr>
<td>Spring Term</td>
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<tr>
<td>Reduction in supplies</td>
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<td></td>
<td></td>
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<tr>
<td>Savings from staff turnover</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Savings Reported</td>
<td>$ 23,998</td>
<td>$ 5,366</td>
<td>$ 29,364</td>
</tr>
<tr>
<td>To Be Identified by</td>
<td></td>
<td></td>
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<tr>
<td>June 30, 1972</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>UNIVERSITY OF OREGON MEDICAL</td>
<td>$ 49,455</td>
<td>$ 16,485</td>
<td>$ 65,940</td>
</tr>
<tr>
<td>SCHOOL</td>
<td>$ 49,455</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Savings Required</td>
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<td>$ 16,485</td>
<td>$ 65,940</td>
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<td>Savings Reported To Date</td>
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<td></td>
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<tr>
<td>Savings Reported 4th Quarter:</td>
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<tr>
<td>Deferred filling academic position</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Total Savings Reported</td>
<td>$ 49,455</td>
<td>$ 16,485</td>
<td>$ 65,940</td>
</tr>
<tr>
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<td></td>
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<tr>
<td>June 30, 1972</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNIVERSITY OF OREGON DENTAL</td>
<td>$ 17,612</td>
<td>$ 5,870</td>
<td>$ 23,482</td>
</tr>
<tr>
<td>SCHOOL</td>
<td>$ 17,612</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Savings Required</td>
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<td>$ 5,870</td>
<td>$ 23,482</td>
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<tr>
<td>Savings Reported To Date</td>
<td>$ 17,612</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savings Reported 4th Quarter:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfer from Operating Reserve</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Savings Reported</td>
<td>$ 17,612</td>
<td>$ 5,870</td>
<td>$ 23,482</td>
</tr>
<tr>
<td>To Be Identified by</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>June 30, 1972</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
REPORT OF IDENTIFIABLE SAVINGS
For the Fourth Quarter, Ending June 30, 1972
Fiscal Year 1971-72

<table>
<thead>
<tr>
<th>Total Savings Required</th>
<th>Savings Reported To Date</th>
<th>4th Quarter Savings April 15, 1972 Through June 30, 1972</th>
<th>TOTAL SAVINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>$905,562</td>
<td>$905,562</td>
<td>$30,790</td>
<td>$936,352</td>
</tr>
</tbody>
</table>

NOTE: Institutions other than the four shown in this report have concluded their savings during previous quarters.

Board Discussion and Action
The Board accepted the report as presented.

Adjournment & Reconvening Date
At 1:30 P.M., President Layman adjourned the meeting until August 28, 1972, on which date the Board will reconvene at 1:30 P.M., in Room 327, Michael J. Smith Memorial Center, Portland State University.
Paul Clarke Stauffer, deceased, established two trusts on December 8, 1960, with a California bank. The two trusts provided that upon the decease of the last survivor of Paul and his brother, 50 percent was to accrue to the benefit of Harvard University and 50 percent to the University of Oregon, both for specified purposes. Paul died several years ago and his surviving brother died recently. The bank has made distribution of the assets of the two trusts. The amount thereof paid to the University of Oregon was $68,968.40 consisting of $67,675.50 principal and $1,292.90 income.

Each trust bequest to the University of Oregon is:

"... for the establishment, support and maintenance of a scholarship or scholarships in the amount of $1,000.00 per school year for the benefit of a male student at said school majoring in the subject of music which shall be known as the Paul Clarke Stauffer Scholarships... that first consideration shall be given to applicants who are current senior high school graduates of Eugene, Oregon, and next consideration to other current senior high school graduates from the State of Oregon."

Appropriate accounts will be established—one for the endowment principal and the other for the endowment income.

**Board Discussion and Action**

The Board accepted the report as presented.
### SUMMARY OF GIFTS AND GRANTS TO DATE FOR YEAR 1972-73

<table>
<thead>
<tr>
<th>Meeting Date</th>
<th>Meeting Total</th>
<th>Cumulative Total for Current Year</th>
<th>Comparable Cumulative Total for Preceding Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 24, 1972</td>
<td>$11,374,016.92</td>
<td>$11,374,016.92</td>
<td>$11,089,024.94</td>
</tr>
</tbody>
</table>

(Above figure includes amount for Stauffer Endowment reported in July)
The following gifts and grants to the institutions have been approved for acceptance and expenditure by the institutions and the Board's Office in accordance with Board action on January 27-28, 1964. It was recommended that the Secretary of the Board be authorized to make suitable acknowledgement to the donors and grantors. The Board approved the recommendation as presented.

Oregon State University

Scholarships & Gifts totaling $8,454.68 from the following donors for scholarships and fellowships:

- Banks High School Mom & Dad's Club, Banks
  - $150.00
- Bate Plywood Co., Merlin
  - $100.00
- Cockerline Memorial Trust Fund, through the
  - U.S. National Bank of Oregon, Salem
  - $166.68
- Cornell University, Ithaca, New York
  - $334.00
- CO-Signers, Engineering Wives' Club, Corvallis
  - $100.00
- Delta Theta Tau Sorority, East Chicago, Illinois
  - $250.00
- Douglas County Intermediate Education District, Roseburg
  - $166.00
- First National Bank of Oregon, Portland
  - $500.00
- Grants Pass Public Schools, Grants Pass
  - $166.00
- Robert F. Keniston Memorial Scholarship, through the Oregon State University Foundation, Corvallis
  - $200.00
- John and Mary Milne Scholarship Fund, The Dalles
  - $333.00
- Hillsboro Union High School District No. 3JT, Hillsboro
  - $220.00
- Estate of Ramona Kent, Hillsboro, for engineering scholarships in memory of her brother, Rupert A. Wanless
  - $500.00
- Miss America Pageant, Atlantic City, New Jersey
  - $500.00
- National Honor Society, through Crook County High School, Prineville
  - $100.00
- Oregon Association of Future Farmers of America, Salem
  - $800.00
- Oregon Council of the Blind, Inc., Forest Grove
  - $225.00
- Pennsylvania Higher Education Assistance Agency, Harrisburg, Pennsylvania
  - $659.00
- San Joaquin Delta College, Stockton, California
  - $250.00
- Scholarship Services, Inc., (Samuel Rosenthal Scholarship), Berea, Ohio
  - $335.00
- Sigma Phi Epsilon Educational Foundation, Richmond, Virginia
  - $600.00
- Stocklin Supply Co., Seattle, Washington
  - $500.00
- Strickland Scholarships, through the Oregon State University Foundation, Corvallis
  - $800.00
- Women's Auxiliary to Kern County Pharmaceutical Association, Bakersfield, California
  - $500.00
Grant of $9,959 from the American Chemical Society, Washington, D.C., for research entitled, "Kinetics of Nucleophilic Substitution at Nitrogen Centers," July 1, 1972, through August 31, 1973, under the direction of Dr. James H. Krueger, Associate Professor of Chemistry.

Grant of $5,539 from the Atlantic Richfield Company, Ferndale, Washington, for research entitled, "Organoleptic Evaluation of Marine Organisms Collected near Cherry Point, Washington," March 1, 1972, through February 28, 1973, under the direction of Dr. Dean L. Shumway, Associate Professor of Fisheries.

Grants totaling $15,690.42 from the Bureau of Land Management, Washington, D.C., for research projects, as follows:

1. $6,763.98 - "Fate of Organic Arsenical Herbicides in Chemically Thinned Forests in Oregon and Washington," under the direction of Dr. Michael Newton, Associate Professor, Forest Research Laboratory.

2. $2,000 - "Intra and Interspecific Hybridization of the Genus Pseudotsuga," under the direction of Dr. Kim K. Ching, Professor, Forest Research Laboratory.

3. $6,926.44 - "Animal Damage Control in the Reforestation of Forest Lands," under the direction of Dr. Hugh Black, Associate Professor, Forest Research Laboratory.

Grant of $4,103 from Desert Research Institute, University of Nevada System, Reno, Nevada, "to accommodate expenditures for research pertaining to sea haze at the Oregon coast," March 1 through July 31, 1972, under the direction of Dr. John V. Byrne, Chairman, Department of Oceanography.

Grant of $36,499.46 from the Governor's Manpower Planning Council, State of Oregon, Salem, for a research project "to design a mechanism which will satisfactorily catalog and prioritize the manpower needs of the people of Oregon," April 1, 1972, through June 30, 1973, under the direction of Dr. Gary W. Sorenson, Chairman, Department of Economics.

Gift of miscellaneous historical pieces, valued at $110, from Mrs. Isabella A. Holt, Portland, for display in the Horner Museum.

Gift of surplus equipment, valued at $2,500, from Mr. Ray Johnson, Executive Vice President of KMED Radio & Television, Medford, for the benefit of the Speech Communications Department.
Meeting #405-103

Mid-Willamette Air Pollution Authority

Grant of $4,000 from the Mid-Willamette Air Pollution Authority, Salem, for "Investigation of the Natural Ventilation in the Mid-Willamette Valley Region," July 1, 1971, through June 1, 1972, under the direction of Dr. Lars E. Olsson, Assistant Professor of Atmospheric Science.

Mid-Willamette Community Action Agency, Inc.

Grants totaling $68,643 from the Mid-Willamette Community Action Agency, Inc., Salem, for the following purposes:

1. $58,077 - "To continue the Polk County action program for an additional year," March 1, 1972, through February 28, 1973, under the direction of Mr. Curtis Weedman, Director, Extension Service.

2. $10,566 - "For the Conduct of an Emergency Food Educational Program," March 1 through June 30, 1972, under the direction of Mr. John Hansen, Polk County Staff Chairman.

Mt. Hood Community College District

Subgrant of $9,022 from Mt. Hood Community College District, Gresham, through the Oregon State Board of Education, "from funds provided for a federal Family Management Training Project," July 1, 1972, through April 30, 1973, under the direction of Mr. J. Fremont Sprowls, Multnomah County Extension Agent.


National Science Foundation

Grants totaling $1,360,700 from the National Science Foundation, Washington, D.C., for research, equipment, and other purposes, as follows:

1. $479,700 - "Coastal Upwelling Experiment," July 1, 1971, through October 31, 1973, under the direction of Dr. Robert L. Smith, Associate Professor of Oceanography.

2. $8,000 - "Donor Centers in Vandium Pentoxide," July 1, 1972, through December 31, 1973, under the direction of Dr. Allen B. Scott, Professor of Chemistry.

3. $16,100 - "Mesoscale Wind Field Over the Upwelling Area Off the Oregon Coast," March 1, 1972, through February 28, 1973, under the direction of Dr. Wayne V. Burt, Professor of Oceanography.

4. $21,700 - "For purchase of equipment for studies of wind and wave forces on structures," May 8, 1972, through November 30, 1973, under the direction of Dr. John H. Nath, Research Associate in Oceanography.
5. $16,500 - "For the purchase and installation of an Atomic Absorption Spectrophotometer for Research," June 1, 1972, through November 30, 1973, under the direction of Dr. Norman Cutshall, Research Associate in Oceanography.

6. $11,800 - "Biosynthesis and Metabolism of Terpenes," April 28, 1972, through July 31, 1973, under the direction of Dr. W. David Loomis, Professor of Biochemistry.

7. $99,100 - "To pay costs for Oceanography Vessel Operation," December 1, 1971, through May 31, 1973, under the direction of Dr. Wayne V. Burt, Associate Dean of Research, and Captain E. B. Rittenhouse, Associate Professor of Oceanography.

8. $157,700 - "Collaborative Research in Paleo-Oceanographic Studies of Late Quaternary Ocean Circulation and Climate in the Northern Atlantic and Pacific Oceans," May 1, 1972, through October 31, 1973, under the direction of Dr. Theodore C. Moore, Jr., Assistant Professor of Oceanography.


10. $84,000 - "Feeding and Assimilation Niches for Marine Microcrustacea," May 1, 1972, through October 31, 1974, under the direction of Dr. Lawrence F. Small, Associate Professor of Oceanography.

11. $10,000 - "Investigation of the Air-Sea Exchange of Carbon Dioxide and Oxygen Off Oregon," April 10 through December 31, 1972, under the direction of Dr. John V. Byrne, Chairman, Department of Oceanography, and Dr. Louis Gordon, Instructor in Oceanography.

12. $7,900 - "Collaborative Research in Investigation of the Nasca Lithospheric Plate and Its Interaction with the South American Continental Block," April 10, 1972, through October 31, 1973, under the direction of Dr. LaVerne D. Kulm, Associate Professor of Oceanography.

13. $32,000 - "Optimization in Chromatography," June 1, 1970, through November 30, 1974, under the direction of Dr. Stephen J. Hawkes, Associate Professor of Chemistry.

14. $30,500 - "Analysis of Photosynthesis through Mutation Studies," June 1, 1972, through November 30, 1973, under the direction of Dr. Norman I. Bishop, Professor of Plant Pathology.

15. $269,400 - "Dredge Spoil Distribution and Estuarine Effects," July 1, 1972, through June 30, 1974, under the direction of Dr. Larry S. Slotta, Associate Professor of Civil Engineering.
Meeting #40 5-105

July 24, 1972

16. $4,500 - "For A Study of Surface Energy Budget Changes as a Result of Agricultural Burning," July 1, 1972, through December 31, 1973, under the direction of Dr. Wendell Hewson, Chairman of Atmospheric Sciences, and Dr. Lloyd Gay, Assistant Professor of Forest Management.

Mrs. J. J. O'Hare Gift to the Horner Museum of needlework items, valued at $320, from Mrs. Joseph J. O'Hare, Washington, D.C. The gift includes two quilts, a Paisley Shawl, and an antique hand-embroidered piece from Hungary.

Oregon Arts Commission Grant of $525 from the Oregon Arts Commission, Salem, "for costs of bringing to the campus a limited number of lectures, recitals, and concerts not customarily booked by local concert series," April 7 through June 30, 1972, under the direction of Dr. Tharald Borgir, Professor of Music.

Oregon Mathematics Education Council Grant of $32,240 from the Oregon Mathematics Education Council, Salem, "For a summer program to enable participants to improve as mathematics scholars and teachers," April 15 through September 30, 1972, under the direction of Dr. William H. Simons, Professor of Mathematics.

Oregon State Board of Education Grant of $16,000 from the Oregon State Board of Education, "for expenses under a special vocational education project," June 6 through December 31, 1972, under the direction of Dr. Henry A. Ten Pas, Director of Vocational and Adult Education.

Oregon State Employment Division Grants totaling $20,072 from the Oregon State Employment Division, Department of Human Resources, Salem, for the following purposes:

1. $17,145 - "For a Short-Term Training Program for State Directors of Guidance and State Supervisors of Employment Counselors," March 31 through December 31, 1972, under the direction of Dr. Franklin R. Zeran, Professor of Education.

2. $2,927 - "To develop a program to improve training and employment opportunities for rural residents in Wallowa, Gilliam, Sherman, Wheeler, and Morrow Counties," March 1 through October 1, 1972, under the direction of Mr. Stanley Miles, Coordinator, Extension Economist Manpower Development.

OSU Foundation Grant of $3,000 from the Oregon State University Foundation, to provide travel grants to various faculty members through the 1972-73 fiscal year to aid in travel throughout the United States.

Oregon Traffic Safety Commission Grant of $40,300 from the Oregon Traffic Safety Commission, Salem, "for a summer institute for Driver Education Teachers," October 1, 1971, through September 30, 1972, under the direction of Dr. David C. Lawson, Assistant Professor of Health Education.
Meeting #405-106

July 24, 1972

Grant of $2,700 from Research Corporation, New York City, for research entitled, "Laser Excited Raman and Fluorescence Spectra of Matrix Isolated Molecules," June 2, 1972, through June 30, 1973, under the direction of Dr. Joseph W. Nibler, Assistant Professor of Chemistry.

Grant of $9,955 from The Research Corporation of the University of Hawaii, Honolulu, Hawaii, for "Research on the Nasca Plate," May 1, 1972, through April 30, 1973, under the direction of Dr. L. D. Kulm, Associate Professor of Oceanography. This represents a subgrant from the National Science Foundation through the University of Hawaii.

Grant of $8,000 from the Selenium-Tellurium Development Association, Inc., New York City, for research entitled, "Splat-Cooled Thallium-Tellurium Alloys," July 1, 1972, through June 30, 1973, under the direction of Dr. Melvin Cutler, Professor of Physics.

Gift of professional journals, valued at $1,765, from Dr. Clara Storvick Storvick, Corvallis, for use in the Oregon State University Library. The journals pertain to nutrition, dietetics and biochemistry.

Grants totaling $46,703 from the U. S. Atomic Energy Commission, Richland Operations Office, Richland, Washington, for research, as follows:

1. $21,703 - "Studies of Low-Energy Induced Nuclear Fission," June 15, 1972, through June 14, 1973, under the direction of Dr. Walter D. Loveland, Assistant Professor of Chemistry.

2. $25,000 - "Research in Applied Analysis," January 1 through September 30, 1972, under the direction of Dr. A. T. Lonseth, Professor of Mathematics.

Grant of $2,800 from the U. S. Department of Agriculture, Washington, D.C., "to plan and conduct a pilot Projection Community Resources Development," March 17, 1971, through June 30, 1972, under the direction of Mr. Ted Sidor, Community Resource Development Specialist.

Grant of $14,000 from the U. S. Forest Service, through the Oregon State Forestry Department, Salem, "for a program to study and analyze the need of forestry assistance in the metropolitan area of Portland and other metropolitan areas," June 1, 1972, through May 31, 1973, under the direction of Mr. R. M. Kallander, Assistant Dean, School of Forestry.

Grant of $16,620 from the U. S. Department of Labor, Washington, D.C., for a "National Youth Corps In-School Program," April 26 through May 31, 1972, under the direction of Dr. Harry E. Clark, Community Development Specialist.
Grants totaling $1,692,041 from the U. S. Public Health Service, Washington, D.C., for research, traineeships, training programs, and other purposes, June 1, 1972, through May 31, 1973, unless otherwise specified, as follows:

1. $23,168 - "Effect of Commensal Microorganisms of Food Pathogens," under the direction of Dr. Jong S. Lee, Associate Professor of Food Science and Technology.

2. $43,480 - "Research on N-Nitrosamines in Foods," under the direction of Dr. Richard A. Scanlan, Assistant Professor of Food Science and Technology.

3. $74,649 - "Biomedical Sciences Support Grant," under the direction of Dr. Roy A. Young, Vice President for Research and Graduate Studies.

4. $21,939 - "Substrate Factors in S. Aureus Enterotoxin Production," under the direction of Dr. Margy J. Woodburn, Head of Foods and Nutrition.

5. $16,582 - "Lactose Utilization by Lactic Streptococci," under the direction of Dr. William E. Sandine, Professor of Microbiology.

6. $24,585 - "Photolysis of Pesticides," under the direction of Dr. Donald D. Bills, Associate Professor of Food Science and Technology.

7. $40,872 - "Mycotoxin Toxicity and Carcinogenesis," under the direction of Dr. Russell O. Sinnhuber, Professor of Food Science and Technology.

8. $43,967 - "Environmental Cadmium - Its Effects and Interactions," under the direction of Dr. Philip D. Whanger, Associate Professor of Agricultural Chemistry.

9. $16,371 - "Neural Detection of Ionizing Radiations," under the direction of Dr. Donald J. Kimeldorf, Professor of Radiation Biology.

10. $838,367 - "Toxicology and Biological Effects of a Variety of Chemical Agents in the Environment," under the direction of Dr. Virgil H. Freed, Head of Agricultural Chemistry.


12. $47,023 - "Training Program in Food Protection and Toxicology," July 1, 1972, through June 30, 1973, under the direction of Dr. Harold W. Schultz, Head, Food Science and Technology.
13. $46,163 - "Training Program in Toxicology," July 1, 1972, through June 30, 1973, under the direction of Dr. Charles E. Warren, Professor of Fisheries.


15. $38,593 - "Allied Health Training Programs," July 1, 1972, through June 30, 1973, under the direction of Miss Virginia Harger, Head of Institute Management.

16. $99,201 - "Training Program in Environmental Toxicology," July 1, 1972, through June 30, 1973, under the direction of Dr. Ian J. Tinsley, Associate Professor of Chemistry.

17. $67,079 - "Training Program in Biometry," July 1, 1972, through June 30, 1973, under the direction of Dr. Lyle D. Calvin, Head of Statistics.

18. $10,271 - "Membrane Systems in Mitosis," May 1, 1972, through April 30, 1973, under the direction of Dr. Patricia J. Harris, Associate Professor of Zoology.

19. $43,065 - "Respiratory Proteins, Structure and Function," May 1, 1972, through April 30, 1973, under the direction of Dr. Kensal E. Van Holde, Professor of Biophysics.

20. $19,049 - "Environmental Health Traineeship Grant," September 1, 1972, through August 31, 1973, under the direction of Mr. Fred J. Burgess, Dean of Engineering.

21. $36,417 - "Intracellular Parasitism," under the direction of Dr. Ramon J. Seidler, Assistant Professor of Microbiology.

22. $17,655 - "Valence Isomerization of Dihydropyridines," April 1, 1972, through March 31, 1973, under the direction of Dr. Elliot H. Marvell, Professor of Chemistry.

23. $38,777 - "Biochemistry of Procarbazine and Related Hydrazines," May 1, 1972, through April 30, 1973, under the direction of Dr. Donald J. Reed, Associate Professor of Biochemistry.

24. $33,906 - "Biologic and Toxic Effects of Cyclopropenoids," March 1, 1972, through February 28, 1973, under the direction of Dr. Donald J. Lee, Associate Professor of Food Science and Technology.

Grant of $13,127 from the University of Washington, Seattle, Washington, for research entitled, "Dynamics and Thermodynamics of Arctic Sea Ice," May 1, 1972, through April 30, 1973, under the direction of Dr. Clayton A. Paulson, Assistant Professor of Oceanography.
Grants to the several Agricultural Experiment Station Departments and Divisions, for research work and other purposes, from various donors, as follows:

**Agricultural Research Foundation**

- $1,057 - "Pesticide Residues in Food Products," under the direction of Dr. L. C. Terriere, Professor of Biochemistry and Insect Toxicology.
- $957 - "Lethal Decline Disease of Strawberries," under the direction of Dr. R. H. Converse, Professor of Plant Pathology.
- $1,090 - "Toxicology and Testing of Insecticides," under the direction of Dr. L. C. Terriere, Professor of Biochemistry and Entomology.
- $6,000 - "Investigation and Study of the Chemical Blockage of the S02 Reactions in Cherries," under the direction of Mr. D. Beavers, Assistant Professor of Food Science and Technology.
- $500 - "Suitability of Fruits and Vegetables for Processing," under the direction of Mr. G. W. Varseveld, Assistant Professor of Food Science and Technology.

**The Dow Chemical Company**

Gift of $710 from The Dow Chemical Company, Davis, California, "in support of mite control," under the direction of Dr. R. W. Zwick and Dr. P. H. Westigard, Associate Professors of Entomology.

**Niagara Chemical Division**

- $500 - "To Evaluate the Effectiveness of Tandex and Other Selected Herbicides for Control of Oak Brush and Juniper on Oregon Range-lands," under the direction of Dr. Dillard H. Gates, Extension Range Management Specialist.

**Northwest Food Processors Association**

- $12,522 - "For support of food processor industry to applied research work in agriculture," for use under the direction of staff members in various departments engaged in research pertaining to agriculture and food processing.

**O.A.H. Crown Gall Committee**

- $1,400 - "Cause and Control of Diseases of Nursery Plants," under the direction of Dr. L. W. Moore, Assistant Professor of Plant Pathology.

**Oregon Broiler Growers Association**

- $500 - "Broiler Litter Research," under the direction of Dr. R. W. Dorminey, Assistant Professor of Poultry.

**Oregon Cattlemen's Association**

- $1,000 - "Tansy Ragwort Research," under the direction of Dr. W. P. Nagel, Associate Professor of Entomology.

**Oregon Filbert Commission**

- $8,270 - "Filbert Research Program," under the direction of Dr. H. B. Lagerstedt, Associate Professor of Horticulture and Dr. M. M. Thompson, Assistant Professor of Horticulture.
<table>
<thead>
<tr>
<th>Organization</th>
<th>Funding Amount</th>
<th>Project Description</th>
<th>Researchers/Professors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon Fish Commission</td>
<td>$17,875</td>
<td>&quot;Discolorations in Fresh, Frozen and Canned Crab Meat,&quot; &quot;Utilization of Dogfish for Human Food,&quot; &quot;Preparation of Fish Protein Hydrolysates,&quot; &quot;Nutrition of Salmonid Fishes,&quot; &quot;Utilization of Hake for Human Food,&quot; under the direction of Dr. J. K. Babbitt, Assistant Professor of Food Science and Technology; Dr. D. L. Crawford, Program Director; and Dr. D. K. Law, Associate Professor of Food Science and Technology.</td>
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<tr>
<td>Oregon State Game Commission</td>
<td>$6,625</td>
<td>&quot;Infectious Disease of Salmonid Fishes,&quot; under the direction of Dr. J. L. Fryer, Associate Professor of Microbiology.</td>
<td></td>
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<tr>
<td>Oregon Portland Cement Company</td>
<td>$9,000</td>
<td>&quot;Research and Operation in the Management and Ecology of Fish and Game Populations,&quot; under the direction of Dr. Lyle D. Calvin, Professor of Statistics.</td>
<td></td>
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<tr>
<td>Oregon Seed Council</td>
<td>$1,000</td>
<td>&quot;Soil Acidity and Liming Research,&quot; under the direction of Dr. Hugh Gardner, Soils Specialist.</td>
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<tr>
<td>Oregon Strawberry Commission</td>
<td>$6,250</td>
<td>&quot;Oregon Field Burning Research and Field Sanitation,&quot; under the direction of Dr. D. O. Chilcote, Professor of Crop Physiology.</td>
<td></td>
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<tr>
<td>Shell Development Company</td>
<td>$26,300</td>
<td>&quot;Research and program to benefit the Oregon strawberry industry,&quot; under the direction of staff members in the experiment stations and various departments. The funds are to be distributed as follows: North Willamette Experiment Station, $12,500; Food Science and Technology, $4,000; Agricultural Engineering, $5,000; Horticulture, $3,800; Entomology, $1,000.</td>
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<tr>
<td>Shell Development Company</td>
<td>$400</td>
<td>&quot;Effects of Certain Herbicides on Established Alfalfa,&quot; under the direction of Dr. J. A. Yungen, Associate Professor of Agronomy.</td>
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<tr>
<td>Shell Development Company</td>
<td>$1,000</td>
<td>&quot;Herbicide Research Program,&quot; under the direction of Dr. A. P. Appleby, Associate Professor of Agronomy.</td>
<td></td>
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<tr>
<td>Shell Development Company</td>
<td>$1,000</td>
<td>&quot;Insecticide Research Program,&quot; under the direction of Dr. P. Westigard, Associate Professor of Entomology.</td>
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<tr>
<td>Shell Development Company</td>
<td>$750</td>
<td>&quot;Insecticide Research Program,&quot; under the direction of Dr. S. C. Jones, Professor of Entomology.</td>
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<tr>
<td>U.S. Dept. of Agriculture</td>
<td>$1,139.96</td>
<td>&quot;Insect Investigation,&quot; under the direction of Dr. J. A. Kamm, Research Entomologist.</td>
<td></td>
</tr>
<tr>
<td>Washington Tree Fruit Research Comm.</td>
<td>$5,000</td>
<td>&quot;Studies on Pear Maturation and Handling,&quot; under the direction of Mr. W. M. Mellenthin, Professor of Horticulture.</td>
<td></td>
</tr>
</tbody>
</table>
University of Oregon

Scholarships & Fellowships

Gifts totaling $31,896.18 from the following donors for scholarships and fellowships:

- Cockerline Memorial Trust, through the U.S. National Bank of Oregon, Salem  $ 166.68
- Eugene Rotary Foundation, Eugene  335.00
- Eugene Symphony Association, Eugene  1,261.00
- The Ford Foundation, New York City  21,254.00
- Mr. Richard Friberg, Santa Rosa, California  100.00
- Walter E. Heller & Co., Chicago, Illinois  1,000.00
- Leona M. Kail Estate, Portland  5,000.00
- Salem Hospital Foundation, Salem  500.00
- South Umpqua Public Schools, Myrtle Creek  350.00
- Southwestern Oregon Chapter, American Institute of Architects, Eugene  400.00
- Standard Oil Company of California, San Francisco, California  750.00
- U.S. Department of Justice, Law Enforcement Assistance Administration, Washington, D.C.  779.50

- American Cancer Society
- Grant of $500 from the American Cancer Society, New York City, "to provide an institutional allowance on behalf of postdoctoral fellow, Peter J. Dehlinger," January 1 through December 31, 1972, under the direction of Dr. Peter von Hippel, Chairman, Institute of Molecular Biology.

- Corporation for Public Broadcasting
- Grant of $8,000 from the Corporation for Public Broadcasting, Washington, D.C., "in continued support of a Radio Community Service Project Grant," July 1, 1972, through June 30, 1973, under the direction of Dr. John Shepherd, Professor of Broadcast Communications.

- Council on Legal Education Opportunity of the City of Atlanta, Georgia
- Grant of $27,320.93 from the Council on Legal Education Opportunity of the City of Atlanta, Georgia, "for a 1972 summer institute at the University of Oregon School of Law," April 28 through October 30, 1972, under the direction of Dr. George L. Dawson, Assistant Dean and Assistant Professor of Law.

- deLacy Estate
- Bequest of $1,039.03 from the estate of Mrs. Beatrice A. deLacy, Portland, "to be used for cancer research," May 1, 1972, until expended, under the direction of Dr. Aaron Novick, Dean of the Graduate School.

- H. A. Metcalf, Sr.
- Gift of approximately 28 acres, valued at $15,000, from Mr. Henry A. Metcalf, Sr., Charleston, "to be used for instruction and research in marine biology and other related educational purposes." It was further understood under the terms of the gift that the property shall be retained in its natural state or as close thereto as is reasonably consistent with the above educational purposes.
Public Schools of the District of Columbia

Grant of $24,526 from the Public Schools of the District of Columbia, Washington, D.C., "for Nichols Avenue Public School's participation in the University of Oregon Follow-Through Program," September 1, 1971, through August 30, 1972, under the direction of Dr. Wesley Becker, Professor of Education.

Mott Foundation

Grant of $10,000 from the Mott Foundation, Flint, Michigan, to continue "a pilot Cooperating Institution with the University of Oregon at Seattle Pacific College at Seattle, Washington," July 1, 1972, through June 30, 1973, under the direction of Mr. Larry Horyna, Assistant Professor of Education.

National Aeronautics & Space Administration

Grant of $59,989 from the National Aeronautics and Space Administration, Washington, D.C., for research entitled, "Petrologic Investigations of Silicate Melt Systems," June 1, 1972, through May 31, 1975, under the direction of Dr. Daniel F. Weill, Professor of Geology.

National Merit Scholarship Corporation

Gift of $100 from the National Merit Scholarship Corporation, Evanston, Illinois, for the unrestricted use of the University of Oregon.

National Science Foundation

Grants totaling $281,611 from the National Science Foundation, Washington, D.C., for research, training programs, and other purposes, as follows:

1. $80,000 - "Electronic Structure of Imperfect Metallic Systems," May 1, 1972, through October 31, 1974, under the direction of Dr. Richard J. Higgins, Associate Professor of Physics.

2. $6,300 - "Additional funds for one additional fellowship for 1971-72," 1971-72 academic year, under the direction of Mr. Calvin Fisk, Assistant to Dean of Graduate School.

3. $19,800 - "In support of Graduate Fellowship Program for 1972-73," July 1, 1972, through August 31, 1973, under the direction of Mr. Calvin Fisk.

4. $13,080 - "For a temporary appointment of Dr. Kwangjai Park as a visiting professor at Sogang University, Korea," June 15, 1972, through November 30, 1973, under the direction of Dr. Kwangjai Park, Associate Professor of Physics.

5. $8,855 - "For a Senior Foreign Scientist Fellowship for Dr. George Gorshkov," June 1, 1972, through March 31, 1973, under the direction of Mr. Calvin Fisk.

6. $10,000 - "Chromosome Movements and Fine Structure of the Spindle," May 1, 1972, through February 28, 1973, under the direction of Dr. Andrew S. Bajer, Professor of Biology.

7. $7,900 - "Normed Algebras and Abstract Harmonic Analysis," June 1, 1971, through November 30, 1973, under the direction of Dr. Paul Civin, Dr. Kenneth A. Ross, and Dr. Bertram Yood, Professors of Mathematics.
8. $30,000 - "Synthesis and Reactions of Hydrocarbons," November 1, 1971, through April 30, 1974, under the direction of Dr. John E. Baldwin, Professor of Chemistry.

9. $5,000 - "Low Temperature Physics," July 1, 1972, through December 31, 1973, under the direction of Dr. George W. Rayfield, Associate Professor of Physics.

10. $1,000 - "Institutional allowance on behalf of Lawrence L. Mitchell," September 1, 1971, through September 1, 1972, under the direction of Mr. Calvin Fisk.

11. $9,200 - "Selected Topics in Algebraic Topology," July 1, 1972, through December 31, 1973, under the direction of Dr. Michael Dyer, and Dr. Allan J. Sieradski, Assistant Professors of Mathematics.

12. $59,400 - "Optical Properties of Solids," June 1, 1972, through November 30, 1974, under the direction of Dr. Kwangjai Park, Associate Professor of Physics.

13. $25,000 - "Structure and Function of Annelid Respiratory Pigmements," June 1, 1972, through November 30, 1974, under the direction of Dr. Robert C. Terwilliger, Assistant Professor of Biology.

14. $6,076 - "Continued support of predoctoral fellowship on behalf of Joe M. Romero," July 1, 1972, through June 30, 1973, under the direction of Mr. Calvin Fisk.

Subgrants totaling $114,886 from the Oregon Mathematics Education Council, through the Educational Coordinating Council, Salem, from funds provided by the National Science Foundation, for the following programs:

1. $68,060 - "For support of the University of Oregon Summer Program," April 15 through September 30, 1972, under the direction of Dr. A. F. Moursund, Professor of Mathematics.

2. $46,826 - "For support of the University of Oregon Summer Computer Science Program," April 1 through September 30, 1972, under the direction of Dr. David G. Moursund, Head Computer Science.

Grant of $178.62 from the Oregon Legislative Interim Committee on Alcohol and Drugs, Salem, for research entitled, "Marijuana Use, Costs and Attitudes," March 1 through June 30, 1972, under the direction of Dr. Shirley Terreberry, Associate Professor of Community Service and Public Affairs.

Grant of $75,000 from the U. S. Department of Labor, Washington, D.C., for continuation of the "Cooperative Plan for Manpower Research and Education in the Northwest Region," August 1, 1972, through July 31, 1973, under the direction of Dr. Eaton Conant, Director, Institute of Industrial and Labor Relations.
Grants totaling $4,457 from Research Corporation, Burlingame, California, for research and other purposes, as follows:

1. $2,457 - "For an RMA Ash-Dome for use by the Pine Mountain Observatory," effective June 1, 1972, under the direction of Dr. E. G. Ebbighausen, Professor of Physics.

2. $2,000 - "de Haas-van Alphen Measurements of the Electronic Lifetime Anisotropy in Dilute Alloys," June 1, 1972, through June 30, 1973, under the direction of Dr. Douglas H. Lowndes, Assistant Professor of Physics.

Grant of $5,900 from the Rockefeller Foundation, New York City, to complete research entitled, "Descriptive and Explanatory Analyses of Urban Behavior in Nairobi, Kenya," June 1, 1972, through May 31, 1973, under the direction of Dr. W. Ed Whitelaw, Associate Professor of Economics.

Grant of $17,060 from the Alfred P. Sloan Foundation, New York City, "for support of fundamental researches by Dr. John F. W. Keana," September 16, 1972, through September 16, 1974, under the direction of Dr. John F. W. Keana, Associate Professor of Chemistry.

Grant of $500 from Union Oil Co., Los Angeles, California, for support for undergraduate research by students in the Department of Geology for year 1972-73, under the direction of Dr. William T. Holser, Head of the Department of Geology.

Grant of $90,000 from the U.S. Atomic Energy Commission, Richland Operations Office, Richland, Washington, for research entitled, "Theory of Elementary Particles," June 1, 1972, through May 31, 1973, under the direction of Dr. M. J. Moravcsik, Professor of Physics, and Dr. D. L. Csonka, Associate Professor of Physics.

Grant of $5,189 from the U. S. Department of Agriculture, Forest Service, Willamette National Forest, Eugene, "for performance of Dr. Gale as a member of a Multi-Discipline Planning Team To Provide Socio-Economic Inputs for Land Management Planning on the Willamette National Forest," June 19, 1972, through May 31, 1973, under the direction of Dr. Richard P. Gale, Assistant Professor of Sociology.

Grants totaling $1,509,574 from the U. S. Department of Health, Education and Welfare, Washington, D.C., for training programs, fellowships, equipment, and other purposes, as follows:

1. $5,000 - Supplemental funds for a short-term training program entitled, "Rehabilitation Beyond Drug Use," March 15 through August 31, 1972, under the direction of Dr. Harold W. James, Assistant Professor of Education.

2. $94,900 - "Experienced Teacher Fellowship Program in Learning and Behavior Problems," August 14, 1972, to August 30, 1973, under the direction of Dr. Carl J. Wallen, Associate Professor of Education.
3. $20,000 - Representing additional amount to correct amount listed in May 22, 1972, minutes, page 429, for "Supplementary Funds for Rehabilitation Counseling Training Program," September 1, 1971, through August 31, 1972, under the direction of Dr. Harold W. James, Assistant Professor of Education.

4. $20,000 - "For Strengthening and Expansion of the CSPA Cooperative Internship Program," July 1, 1972, through June 30, 1973, under the direction of Mr. Edgar W. Brewer, Director, Field Instruction Program.

5. $155,052 - "Teacher Corps Training Program--AY In-service, Seventh Cycle, first year," September 3, 1972, through June 15, 1973, under the direction of Dr. Stanley Cohen, Professor of Education.

6. $103,710 - "Teacher Corps Training Program, Seventh Cycle, Planning and Preservice Grant," March 13 through September 2, 1972, under the direction of Dr. Stanley Cohen, Professor of Education.

7. $504,414 - "College Work-Study Program," July 1, 1972, through June 30, 1973, under the direction of Mr. Larry Large, Director of Financial Aids.


9. $62,771 - "Increase in funds to cover increased indirect costs for Regional Resource Center," June 29, 1969, through June 29, 1972, under the direction of Dr. James Crosson, Associate Professor of Education.

Grant of $7,300 from the U. S. Department of the Interior, Bureau of Land Management, Washington, D.C., for research entitled, "Resource Information and Analysis System," May 1 through June 30, 1972, under the direction of Mr. Robert Keith, Associate Director, Bureau of Governmental Research and Service.

Grants totaling $804,871 from the U. S. Public Health Service, Washington, D.C., for research, training programs, and other purposes, July 1, 1972, through June 30, 1973, unless otherwise indicated, as follows:

1. $39,350 - "Training in Biochemistry," under the direction of Dr. Raymond G. Wolfe, Professor of Chemistry.

2. $30,009 - "Development Award - Research Career Program on behalf of Dr. Edward Herbert," under the direction of Dr. Virgil Boekelheide, Head, Department of Chemistry.

3. $69,136 - "Training Grant in Biological Sciences," under the direction of Dr. John Fentress, Associate Professor of Psychology.
4. $101,410 - "Training Grant in Clinical Psychology," under the direction of Dr. Robert L. Weiss, Professor of Psychology.

5. $69,760 - "Training Grant in Physiology," under the direction of Dr. Graham Hoyle, Professor of Biology.

6. $36,118 - "Genetics of Visual Pigments," May 1, 1972, through April 30, 1973, under the direction of Dr. Frederick W. Munz, Professor of Biology.

7. $27,027 - "A Program of Continuing Education for Psychologists," under the direction of Dr. Peter Lewinsohn, Professor of Psychology.

8. $71,113 - "Biomedical Sciences Support Grant," June 1, 1972, through May 31, 1973, under the direction of Dr. Aaron Novick, Dean of the Graduate School.

9. $59,070 - "Nitroxide Probes and Membrane Structure," June 1, 1972, through May 31, 1973, under the direction of Dr. O. Hayes Griffith, Research Associate, Institute of Molecular Biology.

10. $117,919 - "Maturational Reform and Rural Delinquency," June 1, 1972, through May 31, 1973, under the direction of Dr. Kenneth Polk, Professor of Sociology.

11. $51,040 - "Depression - A Clinical-Research Approach," June 1, 1972, through May 31, 1973, under the direction of Dr. Peter M. Lewinsohn, Professor of Psychology.

12. $1,000 - "Postdoctoral fellow supply allowance on behalf of Thomas P. Link," February 1, 1972, through January 31, 1973, under the direction of Dr. Sidney Bernhard, Professor of Chemistry and Research Associate, Institute of Molecular Biology.

13. $31,672 - "Kinetic Analysis of Enzyme Catalysis," June 1, 1972, through May 31, 1973, under the direction of Dr. Sidney Bernhard, Research Associate, Institute of Molecular Biology.

14. $37,920 - "Migration and Differentiation of Neural Crest Cells," May 1, 1972, through April 30, 1973, under the direction of Dr. James A. Weston, Associate Professor of Biology.

15. $29,125 - "Localization of RNA Genes of Drosophila Chromosomes," May 1, 1972, through April 30, 1973, under the direction of Dr. Donald Hague, Assistant Professor of Biology.

16. $33,202 - "To provide continued support of a research training program in social sciences to give graduate students the methodological competence necessary to perform and evaluate basic research in the social sciences," July 1, 1972, through June 30, 1973, under the direction of Dr. Richard J. Hill, Professor of Sociology.
Meeting #405-117

Gifts to the Library:
Mrs. R. MacLeod     Correspondence and working drafts, valued at $200, from Mrs. Ruth MacLeod, Fresno, California. Mrs. MacLeod is an author of juvenile fiction.
Mrs. E. Murphy      Over 500 volumes, valued at $361.25, from the personal library of Mrs. Eldrid Murphy, Eugene.

Gifts to the University of Oregon Library from various donors as follows:

Gifts to the Museum of Art:
Mrs. P. Hondius     Oil painting by Gerrit Hondius from Mrs. Paula Hondius, New York City. The painting is entitled, "Standing Clown," and is valued at $1,500.
Mrs. J. S. Steele   Chinese ceramic horse (T'ang dynasty), valued at $2,800, from Mrs. Josephine S. Steele, Blue Lake, California. The gift is in memory of the donor's parents, Vice-Consul and Mrs. John Birge Sawyer (Grace McConnell Sawyer).
R. C. Paulin        Painting by Oregon artist Ralph Baker entitled, "Chestermere - Horizontal," from Richard C. Paulin, Eugene. The gift is valued at $125.

University of Oregon Dental School

U.S. Army Medical Research & Development Command Grants totaling $148,062 from the U. S. Army Medical Research and Development Command, Washington, D.C., for research and other purposes, as follows:

1. $32,290 - "Thermography in the Measurement of Combat Burn and Wound Healing," May 1, 1972, through April 30, 1973, under the direction of Dr. B. S. Savara, Chairman, Child Study Clinic.

2. $49,873 - "The Application of Electrical Current in Dental Anesthesia and Its Effect upon Bone Formation," January 1 through December 31, 1972, under the direction of Dr. Bhim S. Savara, Chairman, Child Study.

3. $49,175 - "Military Field System for Visualization of Maxillofacial Fluoroscopic Images," July 1, 1971, through June 30, 1972, under the direction of Dr. B. S. Savara.

4. $16,724 - "A Comparative Study of Plaque Acidogenesis in Individuals Residing in Communities with and without Fluoridated Water," November 1, 1970, through October 31, 1971, under the direction of Dr. LeGrand Woolley, Associate Professor of Pathology.
Grants totaling $229,039 from the U. S. Public Health Service, Washington, D.C., for research, training grants, and other purposes, as follows:

1. $16,071 - "Clinical Cancer Training, Dental," July 1, 1972, through June 30, 1973, under the direction of Dr. Norman H. Rickles, Chairman, General and Oral Pathology.

2. $55,379 - "Graduate Pedodontics Program," July 1, 1972, through June 30, 1973, under the direction of Dr. Donald R. Porter, Chairman, Pedodontics Department.

3. $42,571 - "Continuation of the Dental Auxiliary Utilization Program," July 1, 1972, through June 30, 1973, under the direction of Dr. Jack W. Clinton, Head, Dental Auxiliary Utilization Program.

4. $20,150 - "Delayed Hypersensitivity in Periodontal Disease," June 1, 1972, through May 31, 1973, under the direction of Dr. Howard R. Creamer, Associate Professor of Microbiology.

5. $21,335 - "Metabolic Effects of Selenium on Dental Caries," May 1, 1972, through April 30, 1973, under the direction of Dr. Thomas R. Shearer, Assistant Professor, Preventive Dentistry.

6. $24,402 - "Fructose Lethality of Dental Plaque Streptococci," May 1, 1972, through April 30, 1973, under the direction of Dr. Howard R. Creamer, Associate Professor of Microbiology.

7. $49,131 - "Significance of Variation During Child Growth," January 1 through December 31, 1972, under the direction of Dr. Bhim S. Savara, Chairman, Child Study Clinic.

University of Oregon Medical School

Gifts totaling $1,700 from the following donors for scholarships and fellowships:

Marion-Polk County Medical Society, Salem $  600.00
Pfizer Laboratories Division, New York City 1,000.00
Santiam Memorial Hospital Auxiliary, Stayton 100.00

Gift of ten shares of stock, valued at $1,116.25, from Mrs. Harold Wendel, as an addition to the Harold F. Wendel Memorial Scholarship Fund.

Grant of $51,568 from the American Cancer Society, New York City, for research entitled, "Free Radicals Oxygen Metabolism and Carcinogenesis," July 1, 1972, through June 30, 1973, under the direction of Dr. Howard S. Mason, Professor of Biochemistry.

Gift of $250 from Mrs. Tamara Bartha, Clackamas, for the unrestricted use of the Crippled Children's Division, under the direction of Dr. Richard L. Sleeter, Assistant Dean and Director of the Division.
Gift of $587.80 from Beta Sigma Phi, Astoria, "to be used for cancer research," under the direction of Dr. C. N. Holman, Dean.

Grant of $4,000 from the Ella Munro Burdin Trust, Portland, for "disbursement upon the recommendation of the staff of the Department of Ophthalmology and limited to glasses, low vision aids, and other assistance related to problems of needy patients who qualify as blind by the criteria of the Oregon Commission for the Blind. The funds are to be used only for residents of the State of Oregon." The grant is under the direction of Dr. Kenneth C. Swan, Chairman of the Department of Ophthalmology.

Gifts of equipment to the Department of Ophthalmology for use under the direction of Dr. Kenneth A. Swan, Chairman of the Department of Ophthalmology, from various Elks Lodges, as follows:

<table>
<thead>
<tr>
<th>Lodge Number</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Elks Lodge No. 944</td>
<td>$2,168.00</td>
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<td>Elks Lodge No. 1989</td>
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<tr>
<td>Elks Lodge No. 1748</td>
<td>$326.00</td>
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<tr>
<td>Elks Lodge No. 2145</td>
<td>$411.20</td>
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</tbody>
</table>

The amounts indicated represent the value of equipment purchased for treatment of the eyes.

Grant of $2,500 from the S. S. Johnson Foundation, Redmond, "to be used for the purchase of equipment for the Eye, Ear, Nose and Throat Operating Room," under the direction of Dean C. N. Holman.

Gift of an Oculus Coordinator for Orthoptics, valued at $203.35, from the Klamath Falls Elkettes and Multnomah Lodge Ladies, Klamath Falls and Portland, for use under the direction of Dr. Kenneth Swan, Professor and Chairman of Ophthalmology.

Gift of $100 from Mr. and Mrs. Willis W. Long, Newport, "to be used for treatment of idioscoliosis, or where most needed in the Crippled Children's Division," under the direction of Dr. R. L. Sleeter, Assistant Dean.

Grant of $5,502.17 from the McDowell-Catt Foundation, Albany, "to be used for research in cancer, polio, and other diseases, as the need arises," under the direction of Dean Charles N. Holman.

Gift of $100 from Dr. Vern W. Miller, Salem, for "Surgery Research," under the direction of Dr. William W. Krippaehne, Chairman of Surgery.

Gift of $100 from Dr. William J. Miller, Medford, for a "lectureship in honor of Dr. Joseph B. Bilderback," under the direction of Dr. Richard W. Olmsted, Professor and Chairman, Pediatrics.

Gift of $1,000 from Mr. and Mrs. Jack L. Moad, Medford, "for unmet medical needs of a child or children under the Crippled Children's Division," under the direction of Dr. Richard L. Sleeter, Assistant Dean.