STATE BOARD OF HIGHER EDUCATION
MINUTES OF MEETING HELD AT
LIBRARY BUILDING, EASTERN OREGON COLLEGE, LA GRANDE, OREGON

October 23, 1962

MEETING #308-1

A regular meeting of the State Board of Higher Education was held in the Library Building, Eastern Oregon College, La Grande, Oregon, on October 23, 1962.

ROLL CALL

The meeting was called to order at 9:15 A.M. by the President of the Board, Mr. Wm. E. Walsh, and on roll call the following answered present:

Mr. J. W. Forrester, Jr.  Mr. John Merrifield
Mr. Chas. R. Holloway, Jr.  R. E. Purvine, M.D.
Mrs. Elizabeth H. Johnson  Mr. Wm. E. Walsh
Mrs. Cheryl S. MacNaughton

Absent: Mr. Allan Hart and Mr. Douglas McKeen.

Others Present: Chancellor R. E. Lieuallen; Secretary E. M. Pallett; President A. S. Flemming of the University of Oregon; President J. H. Jensen of Oregon State University; President B. P. Millar of Portland State College; President L. W. Rice of Oregon College of Education; President E. N. Stevenson of Southern Oregon College; President F. B. Bennett of Eastern Oregon College; President W. D. Purvine of Oregon Technical Institute; Dean D. W. E. Baird of the University of Oregon Medical School; Dean H. J. Noyes of the University of Oregon Dental School; Dean J. W. Sherburne of the General Extension Division; Dean M. Popovich of Oregon State University; Mr. E. A. Stebbins, Dean of Administration, Oregon College of Education; Dr. E. C. McGill, Assistant to the President and Director of Academic Affairs, Southern Oregon College; Mr. D. E. Lewis, Assistant to the President and Business Manager, Southern Oregon College; Dr. V. A. Moore, Assistant Dean and Director, Department of Instruction, State-Wide Services; Mr. W. A. Zimmerman, Assistant to the Dean and Business Manager, University of Oregon Medical School; Mr. John M. Miller, Administrative Assistant, Eastern Oregon College; Mr. J. O. Lindstrom, Acting Dean of Administration, University of Oregon; Mr. G. M. Robertson, Business Manager, Oregon State University; Mr. J. Malcolm McMinn, Business Manager, Portland State College; Mr. E. G. Meuli, Business Manager, Eastern Oregon College; Mr. Eugene Bauer, Business Manager, University of Oregon Dental School; Mr. G. Ross Henninger, Director of Institutional Research, Oregon Technical Institute; Comptroller H. A. Bork; Budget Director R. L. Collins; Mr. John L. Watson, Assistant Comptroller; Mr. J. I. Hunderup, Assistant to the Comptroller; Dr. F. B. Nickerson, Executive Secretary, High School-College Relations Committee; Dr. M. C. Romney, Executive Director, Coordinating Council for Graduate Study; Mr. D. R. Larson, Assistant Chancellor and Director of Public Services; Mrs. Wickes Beal, Assistant to the Chancellor; Dr. A. L. Strand, Director of Institutional Research, Oregon State System of Higher Education; and Mr. Wolf von Otterstedt, Special Assistant Attorney General.

RE ABSENCES

Mr. Hart and Mr. McKeen were absent for business reasons.
The Board voted to dispense with the reading of the minutes of the last regular meeting held on September 11, 1962, and approved them as printed in the docket.

Mr. J. W. Forrester, Jr., Chairman of the Building Committee, presented the following report:

"At the September 1962 meeting, the Board authorized the appointment of Engineers J. Donald Kroeker and Associates, Portland, to assist the Board's staff in defining the problems incidental to the air cooling of future buildings and in formulating policies for providing year-around temperature control in all or parts of various types of buildings to be financed from state funds and from restricted funds.

"Mr. Kroeker reviewed the preliminary draft of his firm's report with the institutional executives earlier this month and copies of the final report were mailed to members of the Board in advance of this meeting. Various terms, such as air conditioning, ventilation, comfort, etc., were defined, trends in commerce and industry were noted, types of cooling systems were described and the factors influencing the requirements for cooling were summarized within the report. It was indicated that, as a general rule, cooling of building space is required whenever outside temperatures are above 55 degrees if indoor temperatures are to be held at a reasonable comfort level. The opinion was expressed that by today's standards, temperatures in occupied rooms should be maintained automatically at 72 to 76 degrees, regardless of outside conditions, solar effects or internal heat gains, and that within five years any mechanical system which cannot accomplish this controlled environment will be substandard and undesirable. A survey of the recommendations of the institutional executives suggested that temperature control downward (air cooling) is considered essential in all instructional facilities, offices of teaching staffs, research facilities, auditoriums, student centers, cafeterias and lounges in dormitories, kitchens and dining rooms, health facilities, television studios, museums and animal rooms.

"Several conclusions were outlined in the engineers' report, substantially as follows:

1. Specific environmental conditions of temperatures and possibly of humidity, air cleanliness, and air distribution may be required for specific use of a space, such as in research work, plant and animal laboratories, etc. Generally, the environmental conditions required for such uses are known in advance and mechanical systems can be designed for these conditions.
2. For persons in sedentary pursuits, occupations, or activities, requirements for comfort or freedom from strain have been established through research. An optimum temperature is 75 degrees. Cooling to temperatures of 75 to 77 degrees is indicated. With temperatures held within this range,

   a. Working efficiency increases materially,

   b. Absenteeism due to respiratory ailments and probably, in some cases, due to disinclination, is reduced materially.

3. Indoor temperatures cannot be held within the temperature range of 75 to 77 degrees by use of outside air, since outside air is cool enough for the cooling required in only approximately 60 per cent of the normal school year, extending from September through May, and 15 to 30 per cent of the summer months. Accordingly, artificial or mechanical refrigerative cooling is required.

4. Heat gains and consequently the capacities and costs of air conditioning and cooling installations can be materially reduced by design of the building both as to arrangement of spaces and as to types of materials used at the perimeter or outside walls, specifically of areas of glass.

5. Concepts of standards of acceptable indoor atmospheric environments have changed in the minds both of the executives of colleges and universities and of commerce and industry.

6. Types of cooling systems which may be applicable are infinitely variable and cannot be determined for a specific building and a specific campus without study of facilities at the campus, and specific requirements in the specific building. Generally, self-contained air conditioning units, such as window units, do not have an application economically, except in special cases.

7. Costs of buildings in colleges and universities which include comfort air conditioning, where applicable, may be less, depending on arrangement of spaces and type and extent of materials used at the perimeter or outside wall of a building.

"Based upon their study of the need for cooling within buildings on the campuses of the state-supported colleges and universities in Oregon, the engineers submitted the following recommendations:

1. For research and medical facilities, swimming pools, animal quarters, and other spaces and functions requiring specific conditions other than for comfort of persons, provide cooling and other air conditioning for the specific requirements, as applicable
2. For spaces for the occupancy of persons in sedentary pursuits, provide cooling to 75 degrees Fahrenheit inside temperature according to the urgency of need as noted in the attached table, identified as Table II (attached to these minutes as Supplement A) in the report, specifically as follows:

<table>
<thead>
<tr>
<th>Status</th>
<th>Months of Use</th>
<th>Cooling Index</th>
<th>Air Conditioning</th>
</tr>
</thead>
<tbody>
<tr>
<td>New</td>
<td>12</td>
<td>8 to 12</td>
<td>Install</td>
</tr>
<tr>
<td>New</td>
<td>12</td>
<td>Over 12</td>
<td>Install</td>
</tr>
<tr>
<td>New</td>
<td>9</td>
<td>12 to 14</td>
<td>Install</td>
</tr>
<tr>
<td>New</td>
<td>9</td>
<td>Over 14</td>
<td>Install</td>
</tr>
<tr>
<td>Present</td>
<td>9</td>
<td>Over 16</td>
<td>Install</td>
</tr>
<tr>
<td>Present/AC*</td>
<td>9-12</td>
<td>Over 12</td>
<td>Install</td>
</tr>
</tbody>
</table>

1 If funds are not available, provide for future installation of air conditioning.
* Where provisions have been made for future addition of air conditioning.

3. Keep the area of fenestration (windows) to the minimum, since solar radiation through fenestration is the single greatest contributor to heat gains in spaces at the perimeter of a building.

4. Provide arrangements of spaces for greatest functional use and freedom from external heat effects and distractions to effect the greatest initial and operating economies.

5. When installation of air conditioning or cooling of a building is planned, make a comprehensive study of mechanical and natural facilities and conditions and of long-range cooling requirements to determine the most applicable and economical systems.

"With the concurrence of the Chancellor, the institutional executives recommend that the report of Engineers J. Donald Kroeker and Associates be accepted and that the recommendations be adopted to the extent possible, recognizing that the financial requirements of providing air cooling are substantial. It appears reasonable and practical, however, to maintain room temperatures at a comfortable level for the maximum efficiency of students and staff, particularly as facilities are used more intensively, both during the regular academic year and during the summer sessions.

"The Committee concurs in the recommendation, with the understanding that the need for air conditioning will be considered building by building. If the need for air conditioning is determined, then the request for funds will include the amount estimated to be required for providing air conditioning initially rather than to defer the seeking of funds for the equipment until a later time."

The Board adopted the report and approved the recommendations as presented.
Mr. Forrester continued:

"At the June 1962 meeting, the Board authorized the appointment of Architects Wolff & Zimmer to design the proposed Administration Building at the University of Oregon for which funds are being requested from the 1963 Legislature in the total amount of $1,465,000. It was expected that the structure would contain a gross area of approximately 68,000 square feet providing accommodations for the various administrative officers of the University, including the President, Dean of Administration, Business Manager, Registrar, Dean of Student Affairs, Editor, Alumni Director, and the staff of the News Bureau, etc.

"The architects and University officials have filed with the Board's Office a plot plan recommending the selection of the building site on the northwest corner of Agate Street and Thirteenth Avenue which is in close proximity to Franklin Boulevard, a major traffic arterial. The recommendation contemplates that the structure would be limited to two stories in height, plus a basement, and would not be capable of vertical expansion. Because of the limitations of the site, including a requirement for some parking, it is unlikely that horizontal expansion would be accomplished at any future time. A determination has not been made whether construction would be of wood or of incombustible materials, such as reinforced concrete or structural steel, but the architects and a consulting firm are studying the costs, advantages and disadvantages of each type of construction. Tentatively, it appears that initial building costs would be at least $200,000 lower if the building were constructed of wood.

"President Flemming recommends that the selection of the site of the proposed Administration Building at Thirteenth Avenue and Agate Street be approved and that the appropriate Board officials be authorized to instruct the architects to complete the preliminary plans for the building which would be limited in height to a two-story structure, plus a basement. Inasmuch as the Board has previously adopted a general policy recommending that classroom, laboratory and office buildings on the campus of the University of Oregon be designed so that either initially or ultimately they would have a minimum of four floors, the Chancellor recommends that the design be capable of future vertical expansion for at least one floor, or to design a building now with four floors. It is recognized that the initial costs of incombustible materials may be somewhat higher for this initial increment of the Administration Building but the land utilization would be greater if the site were used for a multi-storied structure. Furthermore, it appears practical to provide the potential for the expansion of administrative office facilities to meet future requirements which may not now be evident."
"The Committee concurs in the recommendation of President Flemming that authorization be given to direct the architects to prepare preliminary plans for the two-story and basement Administration Building to be located at Thirteenth and Agate Streets on the University of Oregon campus. The building is to be constructed basically of wood. It is understood that the building will not be expandable either horizontally or vertically, and that the approval for the construction of the building is given as an exception to the Board's general policy in regard to building heights. It is the understanding that architectural preliminary plans are to be presented to the Board for consideration and action."

The Board accepted the report and adopted the recommendation of the Committee.

Mr. Forrester continued:

"The 1963-1965 capital construction program includes a request for funds in the amount of $1,050,000 to cover the estimated cost of an addition to the Women's Physical Education Building at the University of Oregon. Architects Morin & Longwood have prepared a pre-preliminary scheme for this project which has been filed with the Board's Office.

"The program contemplates an addition of approximately 47,000 square feet south of and adjoining the existing building, Gerlinger Hall. The first floor is expected to have a gross area of approximately 29,900 and the second floor will contain about 17,100 square feet. Structural framing would be a combination of masonry and heavy wood timber construction. The site is bounded by University Street on the east and the cemetery on the south. It is contemplated that the two temporary gymnasium buildings located west of the proposed addition will be removed and the ground area improved for outdoor physical education activities. The floor levels of the new construction will be related to the existing floor levels in Gerlinger Hall making it possible for the existing shower and locker rooms to serve the new instructional spaces and also to provide the most logical use of other facilities within the combined physical education unit. Some remodeling will be required within the existing building, including the conversion of some office spaces into classrooms. The construction contemplates a gymnasium of approximately 9,350 square feet, five other physical education activity or apparatus rooms ranging from 3,300 square feet to 7,200 square feet, as well as offices for the faculty and staff and related storage and service areas.

"Based upon the current price level, the direct construction costs are estimated to be approximately $834,340 which is comparable to the allowance indicated to the architects. Because of the large volume of the rooms and the nature of the facilities, it is not intended to provide air conditioning within the building."
"With the concurrence of the Chancellor, President Flemming recommends that the pre-preliminary scheme for the Women's Physical Education Building addition and alterations at the University of Oregon be approved and that the appropriate Board officials be authorized to instruct Architects Morin & Longwood to proceed with the completion of the preliminary plans for this project."

"The Committee concurs in the recommendations."

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

**Pre-preliminary Planning of Buildings for Institute of Marine Biology, UO**

"Architects Kruse & Fitch, of Coos Bay, and University of Oregon officials have filed with the Board's Office a plot plan and general scheme for the proposed laboratory and housing facilities at the Institute of Marine Biology, Charleston. The proposal contemplates the construction of a teaching laboratory building containing a gross area of approximately 13,780 square feet and a separate research laboratory building which would have a gross area of approximately 10,450 square feet. Both structures are to be located in the wooded area west of the existing temporary buildings. Access is to be provided from the county road leading to the Coos Head Naval Facility. Each building is conceived as a one-story structure on grade using concrete floors, concrete block exterior walls with aluminum windows, wood roof and wood stud partitions.

"Based upon the current price level, the estimated direct construction costs of the two laboratory buildings and a maintenance shed of 960 square feet are $423,810. Price rises anticipated before construction can be started will increase the estimated direct construction costs to $449,300 and the total project cost to $600,000.

"Federal grant funds in the amount of $415,000 are expected to supplement state funds of $185,000 included in the capital outlay request to the 1963 Legislature.

"In order to provide housing accommodations for students participating in the program of the Institute, the architects have suggested that four individual dormitory units be built with seven double rooms each in order to house 56 persons. This arrangement permits a maximum flexibility of use for either men or women students. The site is adequate to permit the future construction of additional units as desired. To house staff, the initial planning contemplates the construction of eight separate two-bedroom units, a director's residence, and a small cottage for the caretaker and the cook. There would also be a centralized facility for kitchen and dining areas, a lounge and, possibly, a laundry room. The gross area of the housing and service buildings is expected to be approximately 14,606 square feet. Each of the structures would be a one-story concrete block building with aluminum windows and wood roof with
composition shingles. Based upon the current price level, the estimated direct construction costs thereof are approximately $201,992. In order to give effect to anticipated price increases before construction can be undertaken, however, the project budget includes the amount of $214,000 for the direct construction costs. The total project costs of $260,000 for the housing and service buildings are expected to be provided from bond borrowings and restricted fund balances available to the institution.

"With the concurrence of the Chancellor, President Flemming recommends that the plot plan and general scheme for the development of the proposed facilities at the Institute of Marine Biology at Charleston, Oregon, involving a total estimated cost of $860,000, be approved and that the appropriate Board officials be authorized to instruct Architects Kruse & Fitch to complete the preliminary planning of the project recognizing that there will be some adjustments in the areas and room arrangements of the various instructional, research, housing and service units from those indicated in the pre-preliminary plans.

"The Committee approves the general scheme for the proposed facilities and recommends that serious consideration be given to the use of wood as the construction material."

The Board adopted the report and approved the recommendations presented.

Mr. Forrester continued:

Pre-preliminary Scheme for Science Building, Second and Third Additions, UO

"At the March 1962 meeting, the Board commissioned Architects Skidmore, Owings & Merrill for the design of an Addition to the Science Building at the University of Oregon which was expected to have a gross area of approximately 172,500 square feet. Subsequently, when the capital construction program for 1963-1965 was formulated at the July 1962 meeting, it was indicated that the project would be divided into two parts with a higher priority being assigned to an area of about 90,000 square feet, principally for classrooms, instructional laboratories, faculty offices and library areas, with some research space also included. The remaining area of about 82,500 square feet, principally for science research facilities was assigned a somewhat lower priority but still quite high in the total state fund requests from the 1963 Legislature for educational and general buildings.

"After reviewing the problems incidental to planning the project, President Flemming recommended to the Chancellor that the architects be authorized to prepare the preliminary plans for the entire area of 172,500 square feet without indicating the specific areas which would be included in either the second or third additions if funds for only a portion of the structure became available. This procedure was reviewed with the Director of the Department of Finance and Administration who indicated his consent, with the understanding, however, that at some future time it may be necessary for the University to submit revised preliminary plans analyzing the building project into the two units mentioned above."
Architects Skidmore, Owings & Merrill and University of Oregon officials have filed with the Board's Office a schematic plan for the proposed additions to the Science complex involving three separate structures, a library, a laboratory building including small classrooms, and a classroom building.

The Science Library would contain a net assignable area of approximately 21,500 square feet located west of the existing Emerald Hall on the site centrally located in the Science complex. It is envisioned as a three-story building with basement, built of incombustible materials, either fire-proofed steel or reinforced concrete, with bay spacings and floor spaces to be determined commensurate with the needs for space use and planning flexibility within the structure.

The first increment of the laboratory unit is expected to be a four-story structure, plus basement, adjoining the east wing of the existing building and providing facilities for expansion of chemistry, biology, molecular biology, and theoretical science. Each floor would be connected to the east wing. The net assignable area of the unit is 75,520 square feet. Provision would be made for vertical and horizontal expansion at a future time. Areas vacated within the existing science buildings would be assigned to the physics and geology departments to meet their increased space requirements. The design concept of the laboratory building anticipates construction of incombustible materials with building exteriors featuring the structural beams and columns with fixed glass and aluminum fenestration on the entire perimeter of the building. It would be designed on a modular basis with complete partition flexibility, confining interior columns to corridor wall locations. Laboratory utilities would be provided throughout for maximum flexibility in the work spaces and provision would be made for built-in laboratory equipment.

The classroom building, as conceived in the study, would be a one-level structure housing large lecture rooms requiring stepped floors, preparation rooms, and conference spaces (smaller classrooms would be included in the laboratory building). The net assignable area of this building will approximate 6,500 square feet. It would be constructed of fire-proof steel or reinforced concrete and would house lecture facilities in such a way as to utilize effectively visual aids and other teaching devices. Laboratory utilities would be provided, as required, for demonstration and preparation areas. The location of the structure would be to the east of the laboratory building and would be connected to it.
"Each of the three buildings would be heated, ventilated and cooled by a central mechanical system. On the basis of their pre-preliminary studies, and assuming current prices, the architects have indicated that the direct construction costs of the new areas of 172,500 square feet, remodeling within the existing spaces, and expenses related to moving the various science departments would be approximately $4,107,000, including air conditioning. This is somewhat more than the direct construction cost allowance of $3,720,000 previously approved. Before any adjustments are made in the requests for construction funds from the 1963 Legislature for these facilities, further study will be made by the architects, the institutional staff, and the Board's Office. More accurate estimates will be available when preliminary plans have been completed.

"President Flemming recommends that the pre-preliminary plans for the Science Building additions be approved and that the appropriate Board officials be authorized to instruct Architects Skidmore, Owings & Merrill to proceed with the completion of the preliminary plans. The Chancellor concurs with these recommendations except for the proposal to construct a one-story classroom unit. Such a plan appears to conflict with the general policy adopted by the Board at the July 1962 meeting requiring that classroom, laboratory and office buildings on the campus of the University of Oregon be designed so that either initially or ultimately provision would be made for at least four stories in order to secure a maximum of land utilization.

"The Committee recommends approval of the pre-preliminary scheme for the Science Building Additions, with the understanding that the incorporation of a one-story classroom unit in the general plan will be studied more in detail by the Board's Office with respect to an analysis of cost before authorizing the architects to proceed with planning."

The Board adopted the report and approved the recommendations as indicated.

Mr. Forrester continued:

Preliminary Scheme for Library-Commons Building, OTI

"Oregon Technical Institute officials and Architects Skidmore, Owings & Merrill have filed with the Board's Office a pre-preliminary scheme for a two-story structure to house the Library and Commons (food service) facilities expected to be constructed as a part of a total campus development in 1963. This building would be located east of the academic complex, between the Administration Building and the Physical Education Building, and west of the proposed residence halls as shown in the master plan previously approved by the Board. In this location, the facilities would be in close proximity to the entire student body, both initially and as the building expands to include an auditorium and quite possibly the student union."
"The two-level scheme adapts to the site condition by relating the Library, on the lower level, to the main campus mall and by relating the Commons, on the upper level, to the student residence halls. When it becomes necessary for the student union functions to move out of the lower level of the proposed Physical Education Building, as contemplated on a temporary basis, it is intended that they occupy the space initially used for a library and that the Library, which at that time will probably require more area, be housed in a separate building in the central position of the academic complex close to the Classroom Building.

"A gross area of approximately 9,900 square feet would be provided for the Library and a similar area would be made available for the centralized kitchen and dining rooms. A large span structural bay system would be used to permit a maximum of flexibility of the space to accommodate multiple purpose uses. It is contemplated that the structural frame would be of reinforced concrete with structural steel joists and steel floor and roof decking. Heating and cooling would be supplied by an air distribution system at sill level. The design would be in harmony with other campus buildings now under construction and those expected to be contracted in 1963.

"The architects are preparing cost estimates which are expected to be available within the near future. A direct construction cost allowance of $200,000 for the Library facilities has been included in the Board's capital construction program for 1963-1965 and state funds in this amount are being requested from the 1963 Legislature. The portion of the cost of the building applicable to the centralized food service facilities would be provided from restricted fund balances and bond borrowings.

"President Purvine, with the concurrence of the Chancellor, recommends that the preliminary scheme for the Library-Commons Building be approved, that the appropriate Board officials be authorized to instruct Architects Skidmore, Owings & Merrill to complete the preliminary plans and if such plans are consistent with the preliminary scheme and if cost estimates are reasonable in relation to the budgeted amounts, the plans be presented to the State Emergency Board for approval in order that the final planning may be expedited.

"The Committee concurs in the recommendations."

The Board adopted the report and approved the recommendations as presented.
site problems and construction features, such as access to the remaining portions of the campus, the Board suggested that further review be made of the preliminary scheme before the architects were authorized to proceed with preparation of preliminary plans.

"As a result of further intensive study of the project by Architects Bear, McNeil, Schneider, Bloodworth & Hawes and by Medical School officials, consulting with the director of dormitories at the University of Oregon, it has been concluded that it would not be financially sound to operate food service facilities within the dormitory unit. Consequently, a new site has been selected on the north side of the campus in the wooded area on the hillside approximately 280 feet northeast of the Dental School building. Such a location is ideally suited for students who would be taking their meals and attending classes in other campus buildings. An access road and small parking area would be provided as part of the project.

"The revised scheme contemplates a building eight stories in height, including the ground floor which is partially under grade. Housing accommodations would be provided initially for 170 students but the capacity would be increased upon the completion of the top floor (34 students) and the completion of the ground floor (12 students) making a maximum capacity of 216 women students. The ground floor would include a mechanical room, storage area, recreation space, and other utility areas in addition to the future student rooms. The first floor level would contain the housemother's apartment, the office and main lounge as well as two guest rooms and public toilet areas. The next five floors would be completely finished in order to provide housing accommodations for 170 students, 34 on each floor. Each of these levels would contain a small study lounge, an ironing room, toilet and shower areas. A passenger elevator would serve all floors and there would be a service elevator from the sidewalk to the ground floor. Handwashing facilities would be provided in each of the study rooms since Medical School officials indicate that such facilities are a normal requirement within dormitories for student nurses.

"Based upon the price level expected to prevail when bids are requested in 1963, the estimated project cost is $855,000, of which approximately $696,126 is for direct construction, including built-in study room furniture. Assuming a maximum capacity of 216 residents, the gross area of 42,305 square feet averages approximately 196 square feet per student. The project is to be financed from restricted fund balances and bond borrowings of the Medical and Dental School supplemented to the extent necessary by restricted fund balances and bond borrowings of the University of Oregon.

"With the concurrence of the Chancellor, Dean Baird and Dean Noyes recommend that the proposed scheme for the new dormitory for women students at the Medical and Dental Schools be approved and that the appropriate Board officials be authorized to instruct Architects Bear McNeil, Schneider, Bloodworth & Hawes to complete the preliminary plans and detailed cost estimates for this project.
"The Committee concurs in the recommendations."

The Board adopted the report and approved the recommendations presented.

Mr. Forrester continued:

"Inasmuch as the new library now under construction at Oregon State University is expected to be completed within the next biennium, the Board has established a relatively high priority in its requests for capital construction during 1963-1965 for the alterations to the old library building to convert the space to office and classroom use. Architects Hewlett & Jamison and Oregon State University officials have filed the preliminary plans for the project with the Board's Office.

"Within the library building, after remodeling, there will be a gross area of 74,070 square feet. Of this total, 50,287 square feet will be contained in the main structure, completed in 1917, and 23,783 square feet will be in the west wing which was constructed in 1940. It is expected that the entire area of the main building will be remodeled and that all of the space within the west wing will also be converted into non-library use except the first floor and the mezzanine between the first and second floors. These latter spaces, which have a gross area of 10,528, are to be retained for library use. The large room now used as the reading room in the main building will be divided into two floor levels. The project also will include a new stairwell on the exterior of the west wall of the west wing in addition to new construction on the west side of the main building extending the stairwell and passageway on the third floor to provide access to the west wing.

"As remodeled, the structure will contain approximately 96 offices, four lecture rooms, 26 classrooms, and two language laboratories, together with related service and storage areas. Exterior work will include removal of some windows to be filled with brick to match the existing walls, the construction of an exterior stairwell on the west wing with exit ways at each level, the installation of shade screens on the south, east and west elevations to reduce glare and solar radiation, and some patching or re-roofing as required. Interior partitions will either be steel or wood studs with sheet rock applied on both sides for a one-hour fire rating. Acoustical ceilings will be provided throughout the remodeled areas of the building. The original portion of the structure will be rewired completely and fluorescent lighting will be installed throughout the entire building except for incandescent fixtures within the toilet rooms, storage rooms, etc. The existing heating and ventilating system will be removed and a new system will be installed utilizing double ducts with full automatic temperature controls arranged for mechanical air cooling equipment initially or for future installation."
"Based upon the current price level, the estimated direct construction costs are $508,540. Recognizing price increases which will be likely to occur before construction can be undertaken late in 1963 or early in 1964, the total project cost estimate of $660,000 includes the sum of $540,000 for the direct construction costs. These figures do not include air cooling equipment, which, if provided, would cost an additional $90,000.

"With the concurrence of the Chancellor, President Jensen recommends that the preliminary plans for the alteration to the library building at Oregon State University be approved, that the request to the 1963 Legislature for this project be increased from $500,000 to $750,000, that the Board allocate $2,228 of its Unappropriated Funds to supplement the advance planning funds of $5,400 being made available by the Housing and Home Finance Agency, and that the following resolution be approved by roll call vote to fulfill the requirements of the federal government.

RESOLUTION APPROVING THE COMPLETED PRELIMINARY PLANNING REPORT WITH AN ADVANCE FROM THE UNITED STATES OF AMERICA FOR THE REHABILITATION OF THE OLD LIBRARY BUILDING, OREGON STATE UNIVERSITY UNDER THE TERMS OF PUBLIC LAW 560, 83rd CONGRESS OF THE UNITED STATES, AS AMENDED

WHEREAS, the Oregon State Board of Higher Education in behalf of Oregon State University accepted an offer from the United States Government for an advance for preliminary plan preparation of a public work described as Rehabilitation of the Old Library Building, Oregon State University, Corvallis, Oregon; and

WHEREAS, Hewlett & Jamison, Architects, were engaged to prepare a preliminary planning report for the aforesaid public work, and said architects have completed the report and submitted it for approval; and

WHEREAS, the completed preliminary planning report has been carefully studied and is considered to comprise adequate preliminary planning of the public work essential to the community and within the financial ability of the Oregon State Board of Higher Education on behalf of Oregon State University to construct;

NOW, THEREFORE, BE IT RESOLVED by the Oregon State Board of Higher Education, the governing body of said applicant, that the planning report submitted by Hewlett & Jamison as the basis for detailed planning and construction of the Rehabilitation of the Old Library Building, Oregon State University, dated October 22, 1962, in connection with Housing and Home Finance Agency Project No. P-ORE-3096 be and the same is hereby approved; and that certified copies of this resolution be filed with the Housing and Home Finance Agency as a part of the preliminary planning report.

"The Committee concurs with the recommendation of President Jensen and the Chancellor."
On motion by Director Forrester and second by Director Holloway, the above report was accepted and the resolution was adopted on a roll call vote with the following voting in favor of adoption:
Directors Forrester, Holloway, Johnson, MacNaughton, Merrifield, Purvine and Walsh.

Those voting no: None.

The President of the Board thereupon declared the resolution duly adopted by an unanimous vote.

Mr. Forrester continued:

"When Oregon College of Education officials and Architects Wolff & Zimmer presented a pre-preliminary scheme for the proposed Classroom, Laboratory and Office Building at the July 1962 meeting, it was indicated that the structure would have a gross area of approxi-
mately 30,800 square feet and a direct construction cost of about $552,000, based upon the current price level. The architects were asked to study various factors of cost, both original investment and annual maintenance expense, as well as other considerations before recommending the selection of building materials to be used.

"As a result of further analysis of the program by the architects and the institutional staff, several revisions were made in the allocations of space within the building and the gross area con-
templated by the preliminary plans, which have been filed with the Board’s office, has been increased to 33,600 square feet. The over-all dimensions of the building remain approximately 80 by 200 feet, but the lecture room on the second floor extends into a bay area of about 800 square feet on the south side of the building with a corresponding increase in the area for mechanical space below.

"Within the building there will be six classrooms and a large lecture room, about 38 offices adequate to accommodate a total of 57 indi-
viduals, and various specialized rooms for research and clinical use, including facilities for the teaching research center, the speech and hearing center, the reading and study skills center, and the education evaluation center. In addition, space is provided for storage and service facilities.

"The architects indicated that, based upon current prices, the esti-
mated direct construction cost, excluding site work, would be ap-
proximately $531,400 if the structural system were of wood with exterior brick veneer. They also estimated that a structural steel frame with concrete floor slabs on metal deck would increase the building cost to $555,500, and if full fireproof construction were provided, using reinforced concrete, the direct construction costs would be $572,300.
"Because of the critical soundproofing requirements within the facilities planned for the Western Oregon Speech and Hearing Clinic, to be located on the lower floor, and because of similar needs for soundproofing in the Center for Research on Teaching on the second floor, Oregon College of Education officials recommend that the building be constructed on a steel frame with concrete floor slabs on metal deck, etc. Recognizing price increases which are likely to occur between the present time and the time that bids can be obtained for construction, the total project costs are estimated to be $790,000, including $588,830 for direct construction costs. These figures do not include the incremental costs of $60,000 for providing air conditioning equipment. The capital construction program which the Board approved July 24, 1962, for the 1963-1965 biennium included a request of $765,000 for this project. This amount could be adequate if the structural framing were to be of wood but needs to be supplemented if the institutional recommendation for steel frame and concrete construction is approved.

"With the concurrence of the Chancellor, President Rice recommends that the preliminary plans for the Classroom, Laboratory and Office Building at Oregon College of Education be approved, that a copy thereof be forwarded to the Department of Finance and Administration in support of the revised request for funds in the total amount of $850,000 for construction of this project during 1963-1965, and that an amount not to exceed $1,270 be allocated from the Board's unappropriated funds to supplement the sum of $4,800 previously made available by the Board for the preliminary planning of this project.

"The Committee concurs in the recommendation of President Rice and the Chancellor.

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

Pre-preliminary Plans for Student Health Service Building, SOC

"Included in the 1961-1963 program for self-liquidating building projects is the proposed Student Health Service Building at Southern Oregon College. Architects Payne and Struble and Southern Oregon College officials have filed with the Board's Office a plot plan and general scheme for this project, indicating that the building would be located northwest of Siskiyou Hall on the east side of Indiana Street. The plan contemplates a one-story structure of 5,668 square feet, containing four patient rooms with capacity of two students each, a doctor's office, three examining rooms, a physiotherapy laboratory and X-ray suite, together with the related service areas. An apartment for the resident nurse is also provided. A mechanical room of approximately 252 square feet would be located in the basement, thus making the minimum gross area of the building 5,920 square feet. Because of the sloping topography, however, it is expected that a complete basement would be excavated and left unfinished if favorable bid prices were obtained, thus increasing the gross area of the building to approximately 11,336 square feet."
"The outline specifications prepared by the architects indicate that footings, foundation walls and basement floor would be of reinforced concrete and that the structure would be of wood frame above the foundation walls. Exterior surfaces would utilize western red cedar and Douglas fir with aluminum windows. Roofing would be of fiberglass and gravel over ridged insulation on plywood. Heating would originate from the Central Heating Plant and mechanical refrigeration air conditioning would be installed.

"Although it is difficult to make accurate estimates of cost from the pre-preliminary plans, it is expected that the direct construction costs will be approximately $125,000 and that the total project cost will be about $155,000. Funds are available from bond borrowings and restricted fund balances.

"With the concurrence of the Chancellor, President Stevenson recommends that the appropriate Board officials be authorized to instruct Architects Payne and Struble to proceed with the preparation of the preliminary plans for the Student Health Service Building. If such plans are in substantial agreement with the pre-preliminary scheme, authorization may then be given by the Board's Office for the preparation of final plans and specifications, for bidding and awarding of contracts for the construction of this project within the total budget of approximately $155,000.

"The Committee recommends that the proposed site for the Health Service Building at Southern Oregon College be approved but that College officials and the architects confer with Director Ralph Purvine in regard to the allocation of space within the structure before preliminary plans are prepared for presentation to the Board."

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

Authorization To Prepare Final Plans for Dormitory No. 8, OSU

"At the October 1961 meeting, the Board approved a site plan for the expansion of dormitory facilities at Oregon State University to provide housing and dining accommodations for approximately 1,125 students in the area bounded by Jefferson Street on the north, Adams Street on the south, Twelfth Street on the east, and Fifteenth Street on the west. Subsequently, plans were completed and construction contract awards made for the first unit, Dormitory No. 6, which will house 373 students, and for the cafeteria which will provide centralized food service for the residents of Dormitories 6, 7, and 8. On June 12, 1962, the Board authorized the preparation of final plans and specifications for the second residence unit, identified as Dormitory No. 7, which would be a reverse plan of Dormitory No. 6 and would be adjacent to and southwest of the cafeteria now under construction."
"In view of the apparent need for even more dormitory spaces by the fall term of 1964, Oregon State University officials recommend that the appropriate Board officials be authorized to contract with Architects Bear, McNeil, Schneider, Bloodworth & Hawes for the preparation of plans and specifications for the third unit, identified as Dormitory No. 8, to be located due west of the cafeteria now under construction. Housing accommodations would be provided for approximately 375 students within a gross area of about 72,030 square feet. The estimated total project cost would be $1,400,000, of which about $1,200,000 would be required for direct construction, including the built-in study room furniture. For their services and those of their engineering consultants, the architects would be compensated at the rate of 4.5 per cent of the direct construction costs. It is understood that before final planning is authorized, the institution will secure a commitment from the City of Corvallis for the vacation of Fourteenth Street between Jefferson and Adams Streets, required as a portion of the site for the building.

"Bids for the proposed construction of Dormitories 7 and 8 will not be received until a financial program is presented to the Board for review and approval, including an expected receipt of funds from the sale of general obligation bonds early in 1963 following legislative authorization.

"President Jensen, with the concurrence of the Chancellor, recommends that the appropriate Board officials be authorized to appoint the architectural firm of Bear, McNeil, Schneider, Bloodworth & Hawes to prepare plans and specifications for Dormitory No. 8 at Oregon State University. For their services and those of their engineering consultants, the architects are to be compensated at the rate of 4.5 per cent of direct construction costs. Funds for payment to the architects for the preparation of these plans are to be provided from dormitory balances.

"The Committee concurs in the recommendation with the understanding that University officials will arrange with the City of Corvallis to close Fourteenth Avenue between Jefferson and Adams Streets before plans and specifications are prepared."

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

Authorization for Final Planning of Physical Education Building Addition and Alterations, SOC

"Because of the substantial increase in enrollment at Southern Oregon College, the need for additional facilities for physical education, particularly to serve women students, has been intensified. The Board's capital construction program for 1963-1965 includes a request for state funds in the amount of $615,000 for an addition and alterations to the existing Physical Education Building at Ashland, supplemented by approximately $130,000 of restricted funds to finance the cost of the swimming pool which is included in the project. The preliminary plans for this work were reviewed and approved by the Board at the July 24, 1962, meeting, and it was indicated that the direct construction costs, based upon the current price level, were estimated to be $606,410."
"With the concurrence of the Chancellor, President Stevenson recommends that authorization be given to the appropriate Board officials to instruct Architects Payne and Struble to proceed with the preparation of final plans and specifications for the proposed Physical Education Building Addition and Alterations at Southern Oregon College to expedite the construction of the project immediately following the availability of funds requested from the 1963 Legislature. Funds required for the final planning, in the amount of approximately $22,000, would be provided from the restricted fund balances which have been budgeted for the swimming pool.

"The Committee concurs in the recommendation."

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

"Since 1950 space in the Erb Memorial Union has been rented to the Post Office Department of the United States. Because the space is inadequate, the department has endeavored to arrange for larger quarters in the vicinity of the University, but has been unsuccessful.

"The University has indicated that a post office located within the campus boundaries would be of great benefit to students living in dormitories and apartments and would also be of benefit to the federal government and the University. Negotiations between the University of Oregon and the Post Office Department have developed a program whereby the Board of Higher Education would provide a site and construct a building for rental to the Post Office Department. The chief features of the proposed financing, construction and lease arrangements follow:

1. The site, to be leased to the federal government, would be north of the juncture of Columbia Street with Thirteenth Avenue, and would extend to Franklin Boulevard. The land site involves about 13,125 square feet and is estimated to be worth about $33,000. The proposed one-story building, with partial basement, would have a gross area of 4,329 square feet, and with a ramp and platform the gross area would be about 4,830 square feet. The estimated total cost of the building, site improvements, fees and all other costs, is $105,000.

2. Funds required to construct the building and improve the site would be provided from bond borrowings.

3. The lease proposal to the Post Office Department would include the following:

a. The lease would be for a ten-year period, with option given to the Department to extend for two additional five-year periods.
b. The annual rental would approximate $13,646.50. The state would pay for repairs, insurance and taxes, and rent adjustment would be made if taxes were in a different amount than presently estimated. The rent would permit crediting $1,980 to unrestricted funds to provide six per cent return on the estimated $33,000 land value; also $666.50 for a six per cent return and depreciation over a ten-year period on specialized equipment, estimated to cost $5,000; and $7,200 to provide for the amortization of the estimated gross investment in the building of $100,000, with interest on the diminishing balance calculated at the rate of six per cent per year.

"President Flemming, with the concurrence of the Chancellor, recommends to the Building Committee and the Finance Committee that authorization be given the appropriate Board officials to take action relating to making proposals and entering into agreements as may be appropriate with the federal government; to employ architects; to receive construction bids and to enter into construction contracts; with appropriate report to be made to the Board.

"The Committee concurs in the recommendations."

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

"Included among the capital construction projects for which funds are being requested from the 1963 Legislature is the remodeling of the fifth floor of the Medical Science Building on the campus of the University of Oregon Medical School. The Board previously authorized Architects Dukehart & Kinne of Portland to study the economic feasibility of converting this space from its present use for animal custody and care into a lecture room and into research and office space for the Bacteriology Department and the Division of Clinical Immunology, Allergy and Infectious Diseases. Inasmuch as their report indicated that the alterations work could be accomplished at a lower cost than constructing new facilities in a one-story building, and there are other advantages in locating these facilities within the Medical Science Building, authorization was given for the preparation of preliminary plans for the alterations work. These preliminary plans have been completed and have been recommended for acceptance by Medical School officials.

"The fifth floor of the Medical Science Building has a total gross area of 10,238 square feet of which 9,117 square feet would be available for the 125-seat lecture room and other instructional, research and service space. The existing freight elevator, installed when the Medical Science Building was constructed in 1921, would be replaced with a new high speed elevator for passenger and freight use. The stairway in the northeast corner, which now terminates at the third floor level, would be extended to the roof giving access to the facilities on the fourth and fifth floors and also to the mechanical equipment which would be housed on the roof. Toilet rooms would be included in the northwest corner above similar facilities located on the floors below."
"Based upon the price level anticipated when construction can be undertaken late in 1963 or early in 1964, the direct construction costs are estimated to be $243,800. The total project costs of $280,000 are expected to be financed from a state appropriation of $255,000 which the Board has requested from the 1963 Legislature, supplemented by $25,000 of restricted funds from gifts and grants.

"With the concurrence of the Chancellor, Dean Baird recommends that the preliminary plans for the Alterations to the Fifth Floor of the Medical Science Building be approved and that a copy thereof be provided to the Department of Finance and Administration in support of the request for capital construction funds in the amount of $255,000.

"The Committee concurs in the recommendations."

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

"In view of the great demand for married student housing at the University of Oregon, it is necessary that the scope of Stage 5 in the development of Westmoreland Village be increased from 104 apartments at an estimated cost of $955,000, as approved by the Board September 11, 1962, to 202 units at an estimated cost of $1,960,000. The project will also include three additional washhouses and the completion of a maintenance building. The fee payable to Architects Lutes & Amundson for the preparation of plans and specifications will be 4.125 per cent of the direct construction cost and will be paid from restricted funds available for married housing construction financing.

"This acceleration of the final stage of Westmoreland Village will require revisions in the listings of self-liquidating projects proposed for construction during 1963 and 1965 as approved by the Board July 24, 1962, and will amend the bond borrowing requirements for which a request will be presented to the 1963 Legislature for an increase in the statutory limitation of general obligation bonds for self-liquidating and self-financing projects. The construction of the 202 units will complete the program for Westmoreland Village with 408 apartments located in the area of approximately twenty-one acres. The proposed added facilities, in addition to the recently constructed apartments, would be scheduled for occupancy by graduate students, graduate assistants, and fellows.

"President Fleming, with the concurrence of the Chancellor, recommends that the scope of Stage 5 in the development of Westmoreland Village be increased by 98 apartments, three additional washhouses, and a maintenance building, at an additional cost of $1,005,000, to a total of $1,960,000, and that authorization be given to direct Architects Lutes & Amundson to prepare plans and specifications."
"The Committee concurs in the recommendation with the understanding that the request to be presented to the 1963 Legislature for an increase in the statutory limitation of general obligation bonds for self-liquidating and self-financing projects will be amended to include the larger sum for the University of Oregon."

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

"At the July 1961 meeting, the Board authorized the appointment of Architects Annand & Boone of Portland to make a study of the feasibility of rehabilitating Campbell Hall on the campus of Oregon College of Education. This building is a two-story structure with partial basement, constructed of brick exterior walls with wooden windows, doors, floors, framing and roof. The oldest portion of the building has been standing for about 91 years. The building has a gross area of 43,043 square feet, which includes nearly half of the classrooms and faculty offices and about a third of the laboratory facilities on the entire campus.

"The architects, the administrative staff of the College and other state officials have been studying the possibility of renovating this building and have come to the conclusion that it is not economically feasible. A report prepared by the architects more than a month ago indicated that in order to meet present building and fire code requirements, an expenditure of approximately $315,756 would be required and there would still remain the present inefficient classroom and office arrangements, the high ceilings, the inefficient hallways, the antiquated and inadequate toilet facilities, and the costly upkeep. The estimated cost of a new building with the same facilities, minus the auditorium, is about $700,000.

"As a result of extensive damage to Campbell Hall by windstorm on October 12, 1962, it has been necessary to vacate the south wing of the building and to make provision, on an emergency basis, for the relocation of facilities previously available in this portion of the structure. This recent catastrophe intensifies the urgency of the following recommendations of President Rice, which have been endorsed by the Chancellor:

1. That expenditures for the repair and rehabilitation of Campbell Hall be limited to the minimum requirements for the safety of persons.

2. That officials of the College should take every possible means to reduce the danger involved in the use of the building, which is essential at present for the operation of the College."
3. That a request be made of the 1963 Legislature for an appropriation to provide facilities which would permit the removal of Campbell Hall. The proposed new facilities might be provided in the same structure as the proposed Classroom, Laboratory and Office Building, for which a request is being made of the 1963 Legislature, or the facilities might be provided in a separate structure. The present estimate of providing the classrooms, laboratories, offices and other space in lieu of that heretofore provided in Campbell Hall, but without providing for an auditorium is $700,000. At the appropriate time the request for an appropriation can be reduced by the amount received from the State Restoration Fund, or other sources, for the windstorm damage to Campbell Hall.

4. That the Executive Committee of the Board be empowered to authorize the Controller to employ architects to design needed building facilities resulting from the proposed abandonment of Campbell Hall, and to proceed with the preparation of preliminary plans.

5. That an appropriation of $7,000 be made from Board's unappropriated funds to finance the cost of preliminary architectural plans.

"The Committee concurs in the recommendations for the development of plans for the replacement of Campbell Hall modified, though, so as to advise the Department of Finance and Administration of an intent to seek a $750,000 appropriation, including $50,000 in recognition of the present estimate of the cost of providing air conditioning. The request for funds for this building is to be assigned the highest priority in the Board's 1963-1965 building program and would be reduced by the sum available from the State Restoration Fund and possibly from other sources for the replacement of Campbell Hall."

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

"In transmitting to members of the State Emergency Board the request of the State Board of Higher Education for the approval of the preliminary plans for the proposed Physical Plant Building and the Instructional Shops Building, the Department of Finance and Administration commented as follows:

'It is now apparent that the preliminary planning for development of the new Oregon Technical Institute campus anticipates a total cost which is $225,000 in excess of the $6,000,000 total amount recommended by Governor Hatfield, approved by the 1961 Legislative Assembly, and accepted initially by the Department of Higher Education. The presentation of preliminary plans for individual buildings for Oregon Technical Institute did not reveal this net $225,000 expansion of plans.
'It is recommended that the Department of Higher Education be authorized to proceed with preparation of final plans for the Oregon Technical Institute Physical Plant Building and the Oregon Technical Institute Instructional Shops Building with the explicit understanding that the final plans prepared for these and other structures yet to be constructed on the Oregon Technical Institute campus shall reflect a total campus cost of no more than $6,000,000.'

"During the Emergency Board meeting on October 12, 1962, the Chancellor observed that the $6,000,000 figure had been interpreted as an estimate rather than a limitation, and that the contemplated additional cost of $225,000, based now upon preliminary architectural plans which were not available during the 1961 Legislature, did not appear excessive. It was noted that if the program were to be limited to a maximum of $6,000,000, it would probably be necessary to omit some desirable spaces or to leave some portions of the project incomplete.

"The Emergency Board approved the preliminary plans for the buildings and endorsed the recommendation of the Department of Finance and Administration, thus making it clear that the $6,000,000 figure was regarded as a limitation rather than an estimate. Individual members of the Board suggested that additional authorization and additional funds could be requested from the 1963 Legislature, if required.

"In order to comply with the directive to complete the planning for the new campus within this limitation, Oregon Technical Institute officials and the Board's staff have examined various alternatives to determine where cost reductions might be achieved with the minimum adverse effect on the program. Unless major revisions were made in the plans for the administration, physical education, physical plant and/or instructional shops buildings—all of which have been approved by the Board of Higher Education, Department of Finance and Administration and Emergency Board—very little savings would result from re-design. Furthermore, the plans for these units have been prepared after intensive study of the instructional program for the Institute and represent the best judgment of those responsible for the campus planning.

"If it becomes necessary to reduce the level of estimated expenditures for the Oregon Technical Institute campus development, President Purviance, with the concurrence of the Chancellor, recommends that it be accomplished by omitting, or at least deferring, a portion of the items within the $377,050 budget for roads, walks, parking and landscaping (including, possibly, the physical education track and tennis courts); by reducing the construction contingency reserve below the normal five per cent amount; by substituting gravel in lieu of concrete around the perimeter of the instructional shops building; by postponing the purchase of some of the equipment needed for closed circuit television; or by other means as may be required, up to the maximum of $225,000 noted above.
"It should be noted, however, that the budgeted figures are only estimates and that the actual costs of construction, equipment, etc. will not be determined until bids have been obtained. For this reason, efforts are being made to complete the planning early in 1963, while the Legislature is in session, so that when bids have been received and funds have been made available to complete the new campus development, contract awards will be made promptly. Such a time schedule is mandatory if the plant is to be in operation prior to the beginning of the fall term 1964."

No Board action required.

Mr. Forrester continued:

"The approved bond borrowing program to be presented to the 1963 Legislature for self-liquidating projects includes an item for a Central Food Service Building of the University, involving a total estimated project cost of $470,000. Exclusive of land acquisition costs and other expenses, $257,000 is budgeted for direct construction. The building area is envisioned to approximate 20,000 square feet.

"President Flemming, with the concurrence of the Chancellor, recommends that authorization be given to employ Architects Lutes and Amundson of Springfield, with the fee to be 5.5 per cent, including 1.0 per cent for preliminary plans. Funds for architectural planning are to be provided from restricted funds available for the dormitory construction program.

"The Committee concurs in the recommendation."

The Board adopted the report and authorized the recommendations as presented.

Mr. Forrester continued:

"Included in the capital construction program for self-liquidating projects for the 1963-1965 biennium at the University of Oregon is the construction of a Health Service Building costing $1,185,000. President Flemming, with the concurrence of the Chancellor, recommends that authorization be given to the Comptroller to employ Balzhiser, Seder & Rhodes for the design of the proposed Health Service Building at the University of Oregon based upon a professional services fee of 5.75 per cent of the direct construction costs. The cost of the preparation of the plans is to be financed from restricted funds available for self-liquidating building projects at the University. Appropriate report is to be made to the Board of the architectural arrangements.

"The Committee concurs in the recommendations."

The Board adopted the report and authorized the recommendations as presented.
Mr. Forrester continued:

"In connection with the instructional and research programs at the University of Oregon Medical School, a large number of animals are used for instructional and research purposes. At the present time, animals are procured from a number of sources with the result that they are not always in a uniformly satisfactory condition for the intended use.

"Recently the Medical Research Foundation purchased a farm consisting of approximately 179 acres which is located in Washington County about 21 miles from the Medical School. In order to make it possible for the Medical School to secure animals which are properly housed, fed and conditioned for instructional and research purposes, the Foundation is prepared to enter into an agreement with the State Board of Higher Education on behalf of the University of Oregon Medical School whereby the farm is made available to the School for a period of five years from October 1, 1962, to September 30, 1967, at no cost. The terms of the agreement are substantially as follows:

1. The Board shall maintain the property as a facility for the care and conditioning of animals used in the teaching and research programs of the University of Oregon Medical School and shall be responsible for the payment of all operating expenses of the farm.

2. The Board may make such improvements to the property as may be necessary to provide the facilities needed for the care and conditioning of the animals and title to the improvements shall remain with the Board.

3. The Board may use all of the equipment presently belonging to the Foundation and located upon the premises which is necessary to the maintenance of the property as an animal care facility.

"Dean Baird, with the concurrence of the Chancellor, recommends that the appropriate Board officials be authorized to sign the necessary documents for the use of the farm.

"The Committee concurs in the recommendation of Dean Baird and the Chancellor that the appropriate Board officials be authorized to accept a gift from the Medical Research Foundation for the use of a farm located in Washington County for a period of five years from October 1, 1962, to September 30, 1967. The farm is to be used to house, feed and care for animals needed in the instructional and research programs at the University of Oregon Medical School."

The Board adopted the report and authorized the recommendations as presented.
Mr. Forrester continued:

"The owners of KUGN, Inc., of Eugene have arranged to transfer the license for KUGN-FM, subject to approval by the Federal Communications Commission, to the State Board of Higher Education for the benefit of the University of Oregon. Along with the license the corporation is also donating the broadcasting transmitter, antenna and associated equipment valued at about $10,000. If the Federal Communications Commission approves of the transfer of the license, the University of Oregon will surrender its present license to operate KWAX which is only a 10-watt station and will transmit from the 250-watt station which is being offered to the Board. University officials also plan to install the new FM antenna on top of Villard Hall at a cost of approximately $1,500. The annual maintenance of the facilities will approximate $500. The University will take care of these costs.

"President Flemming, with the concurrence of the Chancellor, recommends that authorization be given to accept the gift from KUGN, Inc., of Eugene, that the appropriate Board officials be authorized to secure the reassignment of the license, and thereafter to surrender the present license for KWAX.

"The Committee concurs in the recommendation and expresses appreciation for the gift."

The Board adopted the report and approved the recommendations as presented.

Mr. Forrester continued:

Condemnation of Swindel Property, OCE

"The building program of the Board of Higher Education to be presented to the 1963 Legislature includes a Classroom, Laboratory and Office Building and a site for said building for Oregon College of Education. Part of the site for the building is the Swindel property located at 451 North Monmouth Avenue, Monmouth, Oregon. This property includes a large lot 135.95 by 143.65 feet, on which is located a large house. As a result of the windstorm on October 12, 1962, and the extensive damage to Campbell Hall, it has been found necessary to abandon a substantial portion of this building. The emergency resulting from this windstorm can best be met by purchasing the Swindel property for use temporarily for offices. To date it has not been possible to reach a satisfactory agreement for the purchase of the property.

President Rice, with the concurrence of the Chancellor, recommends that the Board proceed with condemnation action unless satisfactory purchase arrangements can be made otherwise. It is recommended that the following resolution be passed:

RESOLUTION

WHEREAS, under and by virtue of the laws of the State of Oregon, the State Board of Higher Education is authorized to purchase such real property as in its discretion may be necessary for the present and future development of any schools or institutions under its jurisdiction;
WHEREAS, under and by virtue of the laws of this state whenever any property is required for use by the state and the owner and the board directing the state department or institution for which the property is required cannot agree upon which price is to be paid, said board is authorized to have instituted in the name of the State of Oregon any necessary or appropriate suit, action or condemnation of said property required for such purposes and the assessment of damages for the taking thereof;

WHEREAS, the State of Oregon, by and through the State Board of Higher Education, finds it necessary that the State of Oregon acquire title to the hereinafter described real property situated in the City of Monmouth, Polk County, Oregon, for the public purpose, to wit, the establishing and maintaining thereon of public buildings and grounds for the expansion and development of Oregon College of Education; and

WHEREAS, the State Board of Higher Education has made every reasonable effort to negotiate with the owner thereof for the acquisition of title to such property, but to this date has been unable to agree with such owner upon the reasonable market value or price to be paid for such property or upon the compensation or damages to be paid to the owner thereof for the taking of such property for such public use;

NOW, THEREFORE, BE IT RESOLVED BY THE State Board of Higher Education in regular meeting assembled:

1. That the State Board of Higher Education does hereby find and declare that the following described parcel of land is required for public use, is suitable, proper and necessary for the public purpose of establishing and maintaining thereon public buildings and grounds for the expansion and development of Oregon College of Education:

Beginning at an iron pipe on the East side of the Pacific Highway in the City of Monmouth, Polk County, Oregon, that is South 55.70 chains and West 54.29 chains and South 3° 15' East 650.94 feet from the Northeast corner of the John B. Smith Donation Land Claim No. 47 in Township 8 South, Range 4 West of the Willamette Meridian in Polk County, Oregon; and running thence North 89°54' East 143.65 feet to an iron pipe; thence South 3°15' East 135.93 feet to an iron pipe; thence South 89°54' West 143.65 feet to an iron pipe on the East line of said highway; thence North 3°15' West along the East line of said highway 135.93 feet to the place of beginning, and being situated in Section 25, Township 8 South, Range 5 West of the Willamette Meridian in John B. Smith Donation Land Claim No. 47, in Polk County, Oregon;
2. That the State Board of Higher Education does hereby find and declare as a result of its investigation that the acquisition of the fee simple title to said real property, free and clear of all interests of every kind and nature, is necessary to carry out the proposed building and grounds program of Oregon College of Education for its expansion and development to meet the public need.

3. That the Comptroller is directed to attempt to agree with the owners and persons in interest of said real property as to the compensation to be paid for the taking; and in the event that no satisfactory agreement can be reached, then the Attorney General of the State of Oregon be and he is hereby requested and authorized to commence and prosecute to a final determination such suits, actions and proceedings as may be necessary and appropriate to acquire the title to the real property hereinabove described.

"The Committee concurs in the recommendations as presented."

On motion by Director Forrester and second by Director Merrifield, the above report was accepted and the resolution was adopted on a roll call vote with the following voting in favor of adoption: Directors Forrester, Holloway, Johnson, MacNaughton, Merrifield, Furvine and Jalsh.

Those voting no: None.

The President of the Board thereupon declared the resolution duly adopted by a unanimous vote.

Mr. Forrester concluded the report of the Building Committee with the following:

"President Flemming, with the concurrence of the Chancellor, recommends the purchase of the Addor property located within the campus boundaries of the University of Oregon at 1802 Moss Street, Eugene. The property is needed for future dormitory expansion and consists of a lot 58 by 160 feet on which is located a frame stucco building, including a small two-bedroom house and a one-bedroom apartment. Two appraisals were obtained: $16,000 and $17,000, for an average of $16,500. The owners desire to sell, and have signed an option for $16,000. Funds for the purchase of the property are to be provided from restricted funds related to dormitory operations.

"The Committee concurs in the recommendations."

The Board adopted the report and authorized the property purchase at the option price.
Mr. Chas. R. Holloway, Jr., Chairman of the Building Committee, presented the following report:

"The full term enrolments for year 1962-63 are greater by 690 students than the total enrolments estimated in the annual operating budget for the year 1962-63. This causes a need for emergency budget additions to care for increased costs in six of the institutions. The following condensed summary shows the enrolment overrealization and the total of the emergency budget additions recommended:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total campus enrolments estimated in annual operating budget for year 1962-63</td>
<td>31,171</td>
</tr>
<tr>
<td>Estimated final enrolments, fall term 1962-63</td>
<td>31,861</td>
</tr>
<tr>
<td>Overrealized enrolment, head count</td>
<td>690</td>
</tr>
<tr>
<td>Recommended total emergency budget additions</td>
<td>$ 301,528</td>
</tr>
<tr>
<td>Estimated amount to be provided from student fee income resulting from overrealized enrolments</td>
<td>$ 260,051</td>
</tr>
<tr>
<td>Amount of budget addition recommended from Board's Unappropriated Fund</td>
<td>$ 41,477</td>
</tr>
</tbody>
</table>

"The recommended total budget addition of $301,528 is based upon an average increase of $400 per full-time equivalent student to be applied to the cost of providing temporary instructors for overflow class sections, teaching supplies, and other costs resulting from the overrealized enrolments. The average annual operating cost per student at the six institutions with overrealized enrolments is approximately $850. A summary of the recommended emergency budget additions by institutions is shown below:

<table>
<thead>
<tr>
<th>Institution</th>
<th>1962-63 Enrolments</th>
<th>Estimated Final Enrolment as of Oct. 10, 1962 (Head-Count)</th>
<th>Estimated Overrealized Enrolment</th>
<th>Estimated FTE of Overrealized Enrolment</th>
<th>Amount of Budget Addition at $400 per FTE Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Oregon</td>
<td>9,600</td>
<td>9,625</td>
<td>25</td>
<td>25</td>
<td>$ 10,000</td>
</tr>
<tr>
<td>Oregon State University</td>
<td>9,794</td>
<td>10,040</td>
<td>246</td>
<td>246</td>
<td>98,400</td>
</tr>
<tr>
<td>Portland State College</td>
<td>5,714</td>
<td>5,800</td>
<td>86</td>
<td>77</td>
<td>30,800</td>
</tr>
<tr>
<td>Oregon College of Education</td>
<td>1,316</td>
<td>1,420</td>
<td>104</td>
<td>103</td>
<td>41,200</td>
</tr>
<tr>
<td>Southern Oregon College</td>
<td>1,545</td>
<td>1,850</td>
<td>305</td>
<td>305</td>
<td>122,000</td>
</tr>
<tr>
<td>Eastern Oregon College</td>
<td>1,125</td>
<td>1,161</td>
<td>36</td>
<td>36</td>
<td>14,400</td>
</tr>
<tr>
<td>Subtotals</td>
<td>29,094</td>
<td>29,896</td>
<td>802</td>
<td>792</td>
<td>316,800</td>
</tr>
<tr>
<td>UO Medical School</td>
<td>715</td>
<td>695</td>
<td>20*</td>
<td>20*</td>
<td>-</td>
</tr>
<tr>
<td>UO Dental School</td>
<td>365</td>
<td>362</td>
<td>3*</td>
<td>3*</td>
<td>-</td>
</tr>
<tr>
<td>Oregon Technical Institute</td>
<td>997</td>
<td>908</td>
<td>89*</td>
<td>89*</td>
<td>15,272*</td>
</tr>
<tr>
<td>Totals</td>
<td>31,171</td>
<td>31,861</td>
<td>690</td>
<td>680</td>
<td>$301,526</td>
</tr>
</tbody>
</table>

"The Committee concurs in the recommendations of the Chancellor for budget additions totaling $301,528 to apply toward increased operating costs for 1962-63 resulting from overrealized student enrolments as detailed above:

The Board adopted the report and approved the recommendations as presented.

Mr. Holloway continued:

Revised Student Enrolment Estimates During Biennium 1963-1965 & Recommended Supplemen
tal Biennial Budget Requests To Care for the Further Estimated Enrolment Increases

"The original 1963-1965 biennial budget requests were approved by the Board at its meeting of September 11, 1962, before the 1962 fall term registration of students had taken place. The fall 1962 registration of students has now been nearly completed and the total numbers of students on the nine campuses exceed substantially the numbers contemplated at the time the Board's biennial budget was approved in September 1962. The enrolment increases are summarized below:

<table>
<thead>
<tr>
<th>Full-Time Equivalent Enrolment (Average for Three Terms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head-Count Enrolment</td>
</tr>
<tr>
<td>----------------------</td>
</tr>
<tr>
<td>Estimated in the 1962-63 operating budget and used as a factor in estimating enrolment for the 1963-1965 biennium</td>
</tr>
<tr>
<td>Estimated final enrolments as of October 22, 1962</td>
</tr>
<tr>
<td>Increase over 1962-63 annual budget estimate</td>
</tr>
<tr>
<td>Per cent increase over previous estimate</td>
</tr>
</tbody>
</table>

"An important factor in estimating student enrolments in future years is the trend in the annual numbers of high school graduates in the state. The State Department of Education estimates that total Oregon high school graduates will number 20,244 in June 1963, down 2.4 per cent from the 20,750 students graduated in 1962, but that the number will increase by 13.2 per cent to 22,924 in June of 1964. The marked increase in the high school graduating class of 1964 reflects the fact that the post-war babies born in 1946 will reach the age of 16 during 1964. In the Oregon State System, the increases in total freshman enrolment have compared as follows with the increases of high school graduates of the respective preceding years, with estimates for the years 1963-64 and 1964-65;"


<table>
<thead>
<tr>
<th>College Year</th>
<th>Pool of % Increase over High School Graduates</th>
<th>Freshmen % Increase over OSSHE</th>
<th>% Freshman Enrollments of High School Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1959-60</td>
<td>17,144</td>
<td>6,737</td>
<td>39.3</td>
</tr>
<tr>
<td>1960-61</td>
<td>19,791</td>
<td>8,412</td>
<td>42.5</td>
</tr>
<tr>
<td>1961-62</td>
<td>21,261</td>
<td>9,590</td>
<td>45.1</td>
</tr>
<tr>
<td>1962-63</td>
<td>20,750</td>
<td>9,728</td>
<td>46.9</td>
</tr>
<tr>
<td>1963-64</td>
<td>20,244</td>
<td>9,942</td>
<td>49.1</td>
</tr>
<tr>
<td>(Estimate)</td>
<td>22,294</td>
<td>11,055</td>
<td>48.2</td>
</tr>
</tbody>
</table>

"It is evident from an examination of the above figures that freshman enrolments, when compared with the high school graduates pool, reflect the fact that an increasing proportion of high school graduates are entering college. It will be noted that the predicted percentage increase in freshmen for the year 1964-65, the second year of the coming biennium, is less than the estimated percentage increase in the high school graduating class in the spring of 1964. This estimate takes into account the development of the community colleges and also the fact that the institutions in the Oregon State System are now giving attention to the problem of the admission of nonresident students from other states. The following table shows revised enrolment estimates for the years 1963-64 and 1964-65, compared with enrolments for five preceding years. The revised enrolment estimates are based upon the continuation of approximately the same progression ratios for students beyond the freshman level as those which have been experienced for the past two years.

Campus Enrolments Analyzed by Classes, Fall Term - Head Count
(Revised after 1962-63 Fall Term Enrolments Were Known)

<table>
<thead>
<tr>
<th></th>
<th>Fall 1958-59</th>
<th>Fall 1959-60</th>
<th>Fall 1960-61</th>
<th>Fall 1961-62</th>
<th>Fall 1962-63</th>
<th>Fall 1963-64</th>
<th>Fall 1964-65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>6,612</td>
<td>6,737</td>
<td>8,412</td>
<td>9,590</td>
<td>9,728</td>
<td>9,942</td>
<td>11,055</td>
</tr>
<tr>
<td>Sophomore</td>
<td>5,509</td>
<td>5,687</td>
<td>5,490</td>
<td>6,726</td>
<td>7,798</td>
<td>7,859</td>
<td>8,082</td>
</tr>
<tr>
<td>Junior</td>
<td>3,525</td>
<td>3,745</td>
<td>3,838</td>
<td>4,157</td>
<td>5,010</td>
<td>6,003</td>
<td>6,108</td>
</tr>
<tr>
<td>Senior</td>
<td>2,998</td>
<td>3,097</td>
<td>3,205</td>
<td>3,577</td>
<td>3,804</td>
<td>4,677</td>
<td>5,573</td>
</tr>
<tr>
<td>Graduate</td>
<td>1,671</td>
<td>1,671</td>
<td>2,100</td>
<td>2,503</td>
<td>2,950</td>
<td>3,395</td>
<td>3,890</td>
</tr>
<tr>
<td>Special</td>
<td>459</td>
<td>383</td>
<td>370</td>
<td>440</td>
<td>606</td>
<td>573</td>
<td>595</td>
</tr>
<tr>
<td>Dental School</td>
<td>335</td>
<td>334</td>
<td>343</td>
<td>351</td>
<td>362</td>
<td>373</td>
<td>382</td>
</tr>
<tr>
<td>Medical School</td>
<td>605</td>
<td>633</td>
<td>676</td>
<td>715</td>
<td>695</td>
<td>752</td>
<td>789</td>
</tr>
<tr>
<td>Oregon Technical Institute</td>
<td>763</td>
<td>760</td>
<td>902</td>
<td>908</td>
<td>1,000</td>
<td>1,000</td>
<td></td>
</tr>
</tbody>
</table>

Totals for System 21,714 23,250 25,194 28,961 31,861 34,574 37,474

% Total SoJrSr is of FrSoJr in preceding year 80.1 77.5 81.5 81.1 82.3 83.0
% Increase or Decrease in Freshmen over preceding year 1.9 24.9 14.0 1.4 2.2 11.2
% Increase in Total Enrolment over preceding year 7.1 8.4 15.0 10.0 8.5 8.3
"The summary which follows indicates that the state will be faced with the task of providing facilities for 8,774 more full-time equivalent students during the coming biennium than the 1961 Legislature envisioned for the 1961-1963 biennium. This is the equivalent of an institution nearly the size of the University of Oregon or Oregon State University.

**Summary Showing Estimated Increase in Full-Time Equivalent Student Load in Campus Institutions during Biennium 1963-1965 Compared with the Student Load Estimated in the Budget for Biennium 1961-1963 As Approved by the 1961 Legislature**

<table>
<thead>
<tr>
<th>Enrolment 1st Year</th>
<th>Enrolment 2nd Year</th>
<th>Average Annual Student Load for the Biennium</th>
</tr>
</thead>
<tbody>
<tr>
<td>of Biennium</td>
<td>of Biennium</td>
<td></td>
</tr>
<tr>
<td>24,196</td>
<td>24,929</td>
<td>24,562</td>
</tr>
<tr>
<td>32,001</td>
<td>34,671</td>
<td>33,336</td>
</tr>
</tbody>
</table>

Average FTE enrolment per term as estimated in the budget approved by the 1961 Legislature for the current biennum (1961-1963)

Estimated Enrolments revised for the next biennium (1963-1965) - FTE Averages for three terms

Enrolment increase estimated for the next biennium above the numbers estimated in the biennial budget approved by the 1961 Legislature

Per cent of increase in student load estimated for biennium 1963-1965

"The increases in the revised enrolment estimates for the 1963-1965 biennium above those used in the biennial budget approved by the Board on September 11, 1962, are shown below:

Original estimates of FTE enrolment included in the 1963-1965 biennial budget approved by the State Board of Higher Education on September 11, 1962

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>31,206</td>
<td>33,712</td>
<td>32,459</td>
</tr>
</tbody>
</table>

Revised estimates in view of increased enrolments experienced, Fall 1962

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>32,001</td>
<td>34,671</td>
<td>33,336</td>
</tr>
</tbody>
</table>

Further increase in FTE enrolments to be expected in years 1963-64 and 1964-65

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>795</td>
<td>959</td>
<td>877</td>
</tr>
</tbody>
</table>

Per cent increase over previous estimate used in biennial budget requests

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5</td>
<td>2.8</td>
<td>2.7</td>
</tr>
</tbody>
</table>

"The supplemental budget increases required to care for these additional students are shown in the following summary.
Recommended Supplemental "A" Budget Requestes, Required in Biennium 1963-1965 Because of Upward Revision in Enrolment Estimates

<table>
<thead>
<tr>
<th></th>
<th>Further Year</th>
<th>Total Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching staff</td>
<td>$384,200</td>
<td>$384,200</td>
</tr>
<tr>
<td>Other academic staff</td>
<td>68,000</td>
<td>68,000</td>
</tr>
<tr>
<td>Classified staff</td>
<td>98,000</td>
<td>98,000</td>
</tr>
<tr>
<td>State payroll assessments</td>
<td>34,608</td>
<td>34,608</td>
</tr>
<tr>
<td>Teaching supplies and expenses</td>
<td>17,025</td>
<td>17,025</td>
</tr>
<tr>
<td>Teaching equipment</td>
<td>11,458</td>
<td>11,458</td>
</tr>
<tr>
<td>Library books</td>
<td>14,700</td>
<td>14,700</td>
</tr>
<tr>
<td>Operating supplies - Administrative and Service Divisions</td>
<td>20,943</td>
<td>20,943</td>
</tr>
<tr>
<td>Staff travel</td>
<td>4,332</td>
<td>4,332</td>
</tr>
<tr>
<td>Physical plant operating costs</td>
<td>27,040</td>
<td>27,040</td>
</tr>
<tr>
<td>Maintenance of current pay scales</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Totals</td>
<td>$680,306</td>
<td>$680,306</td>
</tr>
</tbody>
</table>

Estimated income in student fees resulting from the added numbers of students included in the revised enrolment estimates for biennium 1963-1965 $600,349

Recommended supplemental budget requests for biennium 1963-1965, from state funds $916,926

"It is recommended that the Board approve the supplemental biennial budget requests summarized above and described in the preceding paragraphs, and that the appropriate Board officials be instructed to forward the supplemental budget requests to the State Department of Finance.

"The Committee concurs in the recommendation of the Chancellor that the Board approve revised estimates of enrolments and the supplemental budget requests totaling $916,925 for the 1963-1965 biennium as summarized above; the Committee further recommends that the appropriate Board officials be instructed to forward the supplemental budget requests to the State Department of Finance and Administration."

The Board adopted the report and approved the recommendations as presented.
Mr. Holloway concluded the report of the Finance Committee with the following:

Salary Improvement Plan for Academic Staff To Be Forwarded to the Governor's Office for Use in the 1963-1965 Biennial Budget

"In accordance with the general plan for the State's 1963-1965 biennial budget, as announced by the Governor's office, no requests were included in the Board's biennial budget for salary improvement funds for academic staff. The Governor's office had indicated that any provision in the biennial budget for salary improvement funds would be included in the state budget as a separate recommendation.

"On June 29 and 30, 1962, the Finance Committee of the Board, with other Board members present, approved as part of the general biennial budget plan, a program to bring the average salaries of the academic staffs up to the same level, relative to the salaries in twenty state universities and colleges, as in the year 1957-58. The information in the chart on the following page shows that in order to reach the 1957-58 level of comparison with the other state institutions, the average salaries for academic-year teaching staffs at the University of Oregon and Oregon State University would need to rise from $8,986 to $9,678 in year 1963-64 and from $9,678 to $10,422 in year 1964-65.

"The typical teaching staff member who has reached the present average salary of $8,986 has had seven or more years of university or college training, has received his doctor's degree, and has had ten or more years of successful teaching experience. Recent experience indicates that qualified teachers who do not receive adequate salaries can and do find opportunities at other institutions where salary scales are more nearly adequate. Teachers in many fields also receive attractive offers of careers in industry and in government service. The great demand for qualified teachers makes it necessary to maintain a competitive salary scale if adequate staffs are to be retained."
Composite Annual Salary Averages of the Four Ranks of Teaching Staff (Instructor through Professor)

Actual for Years 1957-58 through 1961-62 and Estimated for years 1962-63 through 1964-65

U of O and OSU Compared with 20 State Universities with which Oregon Regularly Compares Salary Averages

Showing Salary Rates Required for U of O and OSU Combined During Years 1963-64 and 1964-65, if Oregon is to Regain Its Salary Position of 1957-58 in Relation to the Average Salary for the 20 Institutions

Note: The Figures in parentheses between the two lines on the chart represent the % U of O and OSU salaries combined are of the composite average salaries of the 20 institutions.

20 State Institutions

Note: To achieve the effective salary rates of $9,678 for year 1963-64 and $10,422 for year 1964-65, it would be necessary to provide a salary increase fund of 1.12% the first year and a further fund of 9.12% the second year. The salary adjustment funds of 9.12% and 9.12% would allow for the depressing effect of appointments of new added staff near the lower ends of the salary ranges in the various ranks.
"The biennial budget as approved by the Board on September 11, 1962, includes amounts aggregating $2,489,453 for one-step adjustments during biennium 1963-1965 to maintain the present pay scale for academic staff in accordance with budget instructions to all state departments from the State Department of Finance. The additional cost to state funds to provide a salary improvement fund during biennium 1963-1965 to restore the 1957-58 level of comparison with the group of twenty state universities and colleges would be as follows:

Summary of Estimated Cost to State Funds of Salary Adjustments for Academic Staff to Restore the 1957-58 Position in Salary Averages, Relative to the Salary Averages in 20 State Universities and Colleges with which Salaries Have Been Regularly Compared

<table>
<thead>
<tr>
<th></th>
<th>Amount Included in &quot;A&quot; Budget</th>
<th>Amount Required in Salary Improvement Fund</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Biennial Cost</td>
<td>To Maintain Present Salary Scale Estimated</td>
<td></td>
</tr>
<tr>
<td>Instruction, Research and General Services</td>
<td>$ 6,656,322</td>
<td>$ 2,045,674</td>
</tr>
<tr>
<td>Teaching Hospitals and Clinic, UOMS</td>
<td>41,173</td>
<td>10,657</td>
</tr>
<tr>
<td>Crippled Children's Division, UOMS</td>
<td>32,915</td>
<td>7,216</td>
</tr>
<tr>
<td>Dental Clinics, UODS (Financed from patient fees)</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Federal Cooperative Extension, OSU</td>
<td>668,621</td>
<td>216,866</td>
</tr>
<tr>
<td>Experiment Stations, OSU</td>
<td>657,578</td>
<td>209,022</td>
</tr>
<tr>
<td><strong>Total Cost to State Funds, estimated</strong></td>
<td><strong>$ 8,056,609</strong></td>
<td><strong>$ 2,489,453</strong></td>
</tr>
</tbody>
</table>

Per cent of salary increase represented in above amounts:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1963-64</td>
<td>9.12</td>
<td>4.26</td>
</tr>
<tr>
<td>Year 1964-65</td>
<td>9.12</td>
<td>.49</td>
</tr>
</tbody>
</table>

"Salary adjustments in activities financed entirely from gifts and grants or from other non-state funds are not included above. Any approved salary adjustments in such activities will be financed from non-state funds, if funds are available for that purpose.

"It is recommended that the salary improvement program outlined above be approved by the Board and that the appropriate Board officers be instructed to forward the recommendation and the estimated cost of the salary improvement plan to the Governor and to the State Department of Finance and Administration."
"It is understood that a recommended plan for salary improvement for the classified civil service staffs in all state departments will be presented to the Governor and to the State Department of Finance and Administration by the State Civil Service Commission. It is further understood that the plan to be presented by the State Civil Service Commission will be designed to place the salary scales for classified staff on a level which will be comparable to salary scales for similar types of service in industry, in the federal government service, and in the professions. Since it is important to the institutions in the Oregon State System of Higher Education that they be able to employ and retain qualified classified civil service staff members, it is recommended that the Board endorse in general a program which will provide an adequate pay scale for the classified civil service staff.

"The Committee concurs in the recommendation of the Chancellor that the salary improvement program as outlined be approved; the Committee also recommends that the Board endorse the program to be submitted by the State Civil Service Commission to provide an adequate pay scale for classified civil service staff."

The Board adopted the report and approved the recommendations as presented.
Mrs. Cheryl S. MacNaughton, Chairman of the Committee on Curricula, presented the following report:

"Mr. C. R. Crakes, Educational Consultant for DeVry Technical Institute, Chicago, Illinois, spoke to the Curriculum Committee on Monday, October 22, in regard to the changing technological scene so far as American industry is concerned. He called attention to the effects of these changes on the employment situation and the increasing emphasis on the need for more highly trained workers. The new career opportunities which have already opened up in industry, together with a number of opportunities which are about to open up were brought to the attention of the Committee.

"Mr. Crakes also defined the Engineering Technician and his growing importance in modern technology and indicated by specific examples the type of training this individual must have, and some of the training standards which have been established.

"At the conclusion of his presentation, Mr. Crakes answered questions from Board members and institutional executives.

"While no action is necessary, the Committee recommends that an expression of appreciation be extended to Mr. Crakes for his discussion of the topic dealing with changing technology and the resulting educational needs for the training of technicians to fill the requirements of industry."

No Board action required.

Mrs. MacNaughton continued:

"When the State System of Higher Education was organized, substantial administrative detail was handled directly by the State Board. As the System has grown it has been increasingly necessary for the Board to delegate to the Chancellor much of this detail. Most of this delegation has occurred relative to building and finance procedures with relatively little change on the curricular side. Members of the Board's Curriculum Committee still examine detailed statements of course changes which support curricular development of the institutions. It may now be desirable to shift responsibility to the Chancellor and the institutional executives for operating the mechanics of curriculum change, leaving to the Board's Curriculum Committee consideration of policy questions which develop out of specific curricular requests and the obligation to maintain the integrated nature of the State System as a whole.

"To effect the above, the following procedure is recommended:

1. Because curriculum planning is a year-round job at each of the institutions, a central staff officer should be assigned to work continuously with institutions on curricular matters. This would enable the Chancellor's Office to be better informed about curricular requests and long-term institutional plan, thus establishing a needed line of communication.
2. The Curriculum Committee of the Board should meet regularly to consider institutional plans as they are completed by the institutional committees on curriculum and submitted to the Chancellor's Office.

3. All curricular proposals requested for the following summer session and academic year should be submitted no later than the January Board meeting each year. The present policy regarding emergency requests should be retained.

4. At any time a curricular change is ready for presentation the institutional executive should file with the Chancellor's Office documents as follows:

   a. A narrative statement covering the change or addition being requested, the reasons for the request including need and appropriateness to the institutional guidelines, and the financial implications of the request, both immediate and long-range.

   b. A list of specific course changes needed to effect the request.

5. The Chancellor will examine these statements and present the narrative to the Curriculum Committee of the Board. The Chancellor will also submit additional material if necessary to provide a complete understanding by the Curriculum Committee and to indicate his reactions and recommendations.

6. The Chancellor will implement approved changes by authorizing the necessary course changes.

7. The documents submitted, together with the Board minutes, will be collected through the year and bound, to become the total action taken by the Board and the Chancellor's Office up to January each year. This record would then be the official basis for statements and course listings published in the respective institutional catalogs.

"If this policy is adopted it will be necessary to amend Article III, Section 8, of the By-Laws of the State Board which reads as follows:

'The Committee on Curricula shall study the courses of study of the several institutions to the end of providing a comprehensive, coordinated program of higher education for the state. It shall review all changes in courses and curricula and all new courses as proposed in the several institutions and shall make a report to the Board from time to time covering all course changes proposed for the next academic year.'
"It is recommended that this Article be amended to read as follows:

'The Curriculum Committee shall maintain broad supervision over the curricular offerings of the several institutions to the end of providing a comprehensive coordinated program of higher education for the state and shall report its recommendations to the State Board of Higher Education.'

"This amendment will give the Board flexibility to delegate details of curricular change and yet retain effective control.

"The Committee concurs in the recommendations, including the procedure as outlined and the amendment of Article III, Section 8 of the By-Laws."

The Board adopted the report and approved the recommendations as presented.

Mr. John Merrifield, Chairman of the Insurance Committee, presented the following report:

INSURANCE COMMITTEE REPORT

Estimated Wind Damage, October 12, 1962

"The windstorm which occurred in Oregon on October 12, 1962, has inflicted loss on the properties of the State System of Higher Education, estimated to approximate $818,115. It is expected that insurance loss claims will be filed in a total amount of approximately $555,712. Most of the claims will be filed with the Department of Finance and Administration for payment from the Restoration Fund, a self-insuring fund; and a minor amount of claims will be filed with commercial insurance companies.

"The uninsured damage is tentatively estimated to be in the amount of $262,403. Included is an item estimated in the amount of $150,000 for loss to growing trees in the forests of Oregon State University and the balance reflects estimated costs for removal of debris, trimming and felling of trees, repair of streets and walks, and similar items.

"The greatest single loss was due to windstorm damage to Campbell Hall at the Oregon College of Education, a classroom-auditorium-laboratory-office building. Extensive damage had occurred to the roof, outside walls, and apparently to the interior structural frame. Because of the extensive damage, age and design of the building, it is inadvisable to rehabilitate the damaged area of about 25,000 square feet and the value of which is approximately $458,000.

"Steps are being taken to file claims or seek financial relief from insuring agencies, from the federal government and others.

"The Committee recommends acceptance of the report."

The Board approved the report as presented.
President Walsh announced that the next meeting of the Board is scheduled for December 10 and 11, 1962, in Portland, on the campus of Portland State College.

With reference to the Governor's Committee on Science, Engineering and New Technologies' July 30, 1962, report on Concepts and Organization of Graduate Center, the Chancellor made the following statement and recommendation:

"At the September meeting of the Board in Salem I referred to the report prepared by the Governor's committee on a proposed autonomous graduate center for the Portland metropolitan area. I made some observations on the report and indicated that it had been widely distributed and generally approved by the institutional faculties, press and other persons interested in it. I further noted that Governor Hatfield had requested that the Board of Higher Education take official cognizance of this report and express its general judgment of it.

"You should know that a number of dissenting opinions have been registered and that this dissent has been based largely upon the judgment that adequate funds to establish quality and stability in the proposed center will not be forthcoming unless substantial direct state support is assured.

"One of the important assumptions explicit in the Report is that adequate private and other non-state sources of support can be found. Unless these funds are found, it would be unwise to proceed with the establishment of the proposed center. As noted in my observations at the September meeting of the Board, the Report does not recommend direct state appropriations to the proposed center, and I assume none will be sought.

"With these assumptions clearly in mind, it is my recommendation to you that the Board officially endorse the report of the eight-man committee, including four members of your staff and headed by President Sullivan of Reed College, and express its hope that the recommendations of the committee can and will be implemented."

On motion by Director Holloway and second by Director MacNaughton, the Board voted to approve the Chancellor's recommendation to endorse in principle the report on Concepts and Organization of Graduate Center; the endorsement was given with the understanding that the Board be recorded as opposing the appropriation of state funds directly to the contemplated center.
The Chancellor continued his report with the following:

"At the September meeting of the Board you requested your staff to prepare a comprehensive study of post-high school educational needs and opportunities in Oregon and to pay special attention to the role which community colleges might play in meeting those needs.

"Your request resulted in part from your meeting with the Legislative Interim Committee on Education during which a number of specific questions related to community colleges in Oregon were asked of Board members.

"It should be noted that the following is designed to be a cursory, rather than a comprehensive, report on a problem of considerable depth and significance. A more comprehensive study, it is believed, would require the concentrated attention of one or more professional persons over an extended period of time.

Need

"Enrolment projections for the next decade, prepared cooperatively by the State Department of Education, private colleges, and the State System of Higher Education now appear to be conservative. Although final enrolment data for this fall are not yet available from the private colleges and the community colleges, preliminary reports suggest they enrolled at least the number of students anticipated by the projections. The State System exceeded its estimate by about 700 FTE students. The enrolment projections for the decade ahead will be reviewed soon, and revised short and long term estimates will be prepared based upon the latest enrolment data.

"The sector of post-high school educational opportunity least developed in Oregon is the vocational sector. Because of the rapid growth in enrolment, and also because of the deficit of vocational education opportunities, it is now more apparent than ever that substantial expansion of post-high school educational opportunities in Oregon will be justified.

"In view of the relatively small enrolments in the newly established community colleges, and the resulting high per-student costs, it may be wise, nonetheless, to defer the establishment of additional colleges until larger enrolments can be assured.

Planning

"The State System of Higher Education has been assigned legal responsibility for approving lower-division transfer courses offered in Oregon's community colleges and also responsibility for approving instructors of those courses, the latter responsibility terminating when the colleges become accredited by the regional accrediting association. The law seems unclear regarding the terminal date for the former assignment."
The law makes no provision for joint planning to determine need for additional community colleges, and possibly no such legal provision is needed. In the absence of legal provision, the two Boards, probably through the Coordinating Council, should establish machinery through which the State System of Higher Education might join in assessing the need for new community colleges and especially in assessing their impact upon existing institutions.

Cost

Community colleges will reduce substantially the cost of attending college to a student who otherwise would need to live in a dormitory and pay transportation and board and room costs. In most instances, living at home and commuting will cost less than board and room charges. The cost of instruction borne by local and state taxation, however, should not be substantially different in a community college than in an existing four-year state-supported college or university, if student tuition covers the same percentage of these total costs. Lower-division instructional costs should be approximately the same irrespective of whether the instruction is offered in a community college or in a four-year college or university.

The total cost of higher education will be increased by the establishment of community colleges because more students will be attending.

Financial Support

Oregon's community college law provides for one-fourth local and three-fourths state participation in capital construction costs and for one-third local and two-thirds state participation in operating costs. The level of state participation in both capital construction and operating costs seems high in relation to the average level of state participation found in other states. According to some reports, this average level is about 50 per cent.

The higher level of state participation in Oregon may lead localities to seek community colleges as economic assets to the communities, rather than to meet a demonstrated educational deficit.

Control

The legislative decision to assign supervisory responsibility for community colleges to the Board of Education was a reasonable decision because (1) community colleges are controlled by local school districts just as public schools are controlled by local school districts, (2) community colleges normally are designed to include vocational education, a traditional responsibility of local school districts, and (3) the pattern of Board of Education supervision of community colleges is common throughout the United States. In the event community colleges should become largely college transfer in their emphasis rather than vocational, a review of the supervisory assignment would be appropriate.
Comprehensive Study

"As indicated at the beginning of this report, a comprehensive study of post-high school educational needs should be undertaken only if the full attention of one or more professional staff members can be devoted to the task over an extended period of time. Furthermore, such a study should involve several interest groups including the State Department of Education and the private colleges.

"Topics appropriate to a comprehensive study would include:

1. Nature and rate of change of the economy of the state from one based upon lumber and agriculture to one including substantial industrial elements.

2. Influences upon post-high school education in Oregon arising from changes in purposes, selectivity, and structure of post-high school education in the United States.

3. Influences upon post-high school education in Oregon arising from the relations among the various educational institutions.

4. Recommendations for the orderly expansion and control of post-high school education in the state.

"The Anderson Report contained the recommendation that 'there should be a complete survey of the Oregon State System of Higher Education within the next few years'.

"In the event a comprehensive study of post-high school education is undertaken, the 'complete survey' noted above should be only one of its elements."

At the conclusion of his report, the Chancellor indicated that the statement was designed to reflect the current point of view of the Board in regard to post-high school education so far as community colleges were concerned. There was some discussion as to the advisability of delaying the preparation of a more comprehensive report. The Chancellor stated that the Board's Office did not have the personnel to make such a report at this time and suggested that it be delayed until after the legislative session with the thought that an all-state agency may be asked to undertake a study in which the Board's Office would cooperate.

The balance of the Board discussion and questions centered mainly on the implication of vocational and academic enrolment trends in the community colleges as they may affect higher educational institutions, particularly Oregon Technical Institute; the apparent effect of diverting state support from higher education to community colleges; and the logical agency to be assigned supervisory responsibility of the community colleges. The Board specifically requested that in the last sentence of the section headed Control, the word "might" be changed to "would" in order to convey a more positive reaction.

It was the consensus that with the indicated change the Chancellor's statement reflected the thinking of the Board, and his report was adopted.
The Chancellor made the following report on proposed legislation regarding educational television:

"On October 5, 1962, I appeared before the Legislative Fiscal Committee at their request, to testify in respect to proposed legislation submitted by the Legislative Fiscal Officer, which proposed the establishment of a state Educational Television Council to be composed of three members each from the Board of Higher Education and the Board of Education and one member to be appointed by the Governor.

"Further, the proposed legislation would transfer to the Council all educational television permits or licenses, and facilities now held by the State Board of Higher Education.

"In addition, other major provisions include that the proposed Council should:

1. Prepare an ETV master plan, based on engineering data, showing the additional physical facilities needed for statewide ETV coverage to serve adequately the educational and cultural needs of the state.

2. Appoint a network administrator.

3. Determine the standards by which ETV network time shall be allocated and provide for allocation of such time between educational courses of elementary, secondary and college levels. (Time not allocated to such educational courses may be used to show programs of a general cultural and informational content.)

4. Receive for approval all applications to the FCC by public agencies relating to construction, alteration or operation of an ETV facility.

"I have been advised that the Legislative Fiscal Committee has accepted the Fiscal Officer's report with the proposed legislation, but without assigning to it any committee recommendations.

"The text of my testimony before the committee is appended to these minutes as Supplement B; however, several additional observations may be made on this subject.

"Governor Hatfield recently designated the existing Educational Coordinating Council as the statewide coordinating agency in respect to Federal financial assistance to ETV. This has been acknowledged by the Department of Health, Education and Welfare.
"It is evident as a result of consultation in the ETV sub-committee of the Education Coordinating Council, and from discussions I have had with Superintendent Minear, that the Department of Education is in general agreement with the point of view I expressed before the Legislative Fiscal Committee. In fact, their testimony was generally similar.

"The three-man State System of Higher Education Committee, referred to in my testimony, has filed with me a preliminary progress report and it is my opinion that this committee will move ahead rapidly in completing an appraisal and preparing recommendations for improvements in the State System's ETV operations.

"Dean Sherburne of the General Extension Division is here and may wish to make some further comments on this subject."

In his conclusion, the Chancellor indicated that in his judgment the Legislative Fiscal Committee would not press for passage of this particular piece of legislation if it were demonstrated that the Board of Higher Education and the Board of Education could work out an appropriate cooperative arrangement. Dean Sherburne expressed the opinion that the need for state-wide, long-range planning for educational television could be assumed adequately by the present Educational Coordinating Council of the two boards. The Educational Media Division of the General Extension Division has had experts available to help with programming, production, and engineering in both educational television and radio. The separation of educational television from educational radio would result in greater costs.

The Chancellor indicated that the above report was presented for informational purposes only and that no Board action was necessary at this time.

Progress Report on Office of Institutional Research

On invitation from the Chancellor, Dr. A. L. Strand, Director of the Office of Institutional Research, presented a progress report on the activities of the research center. He introduced his report by remarking that an educational precedent had been broken by the Board when a year ago it appropriated $15,000 for research designed to improve the efficiency of the institutions in the System. Experiments on improvement of teaching and the learning processes have been carried on for a long time, but this was the first appropriation for experiments on finding ways "to teach more students in less space with fewer dollars."

A committee composed of Dean Alpert of the University of Oregon, Dr. B. Y. Kersh of the Center for Research on Teaching in Monmouth, and President Ritchie of Pacific University, was appointed by Dr. Strand to review applications for the research funds. Together with Dr. Strand, the committee allocated the $15,000 to specific research projects as follows:

1. $1,000 for a self-instruction project, under the direction of Dr. Kersh, in Dental Anatomy at the University of Oregon Dental School. Dean Noyes has supplemented this amount with other funds
The project is an experiment in programmed teaching, which incorporates the use of a self-instruction text with classroom instruction to save instructor time. A preliminary draft of a book on Dental Anatomy by Self Instruction has been prepared by Dr. Robert Lang of the Dental School and Mr. Charles H. Frye, Programmer in Teaching Research at Monmouth. The book, now in use at the Dental School allows the student to carry on much of the rote learning as fast as his intellect permits and saves time for top students. Dean Noyes indicated that a great deal of progress has been made in this self-instruction project, and students in the pilot course are asking that the method be introduced in other areas.

2. $5,750 to investigate the application of new technologies for teaching at the college level under the direction of Drs. Robert Reichart and Robert B. D. Baron of Oregon State University. The experiment, concerned with courses in Educational Psychology and Physical Science Survey, is to determine to what extent and how effectively teaching materials can be used in self learning when such materials are made readily available to students. It is recognized that teaching machines are expensive and cannot substitute for but can supplement teachers who as a result can handle more students and devote more time to the more important phases of teaching for more effective results.

3. $6,000 for a project on college computer simulation, under the direction of Dr. Kersh in cooperation with Dr. Harry Goheen of Oregon State University. The effectiveness of classroom instruction in higher education is greatly influenced by the design of the institution as a whole. By employing the versatility of electronic computers, the project is an attempt to obtain maximum efficiency by removing the costly trial-and-error method of establishing course offerings, staff loads, registration procedures, fee collections, and allocation of space. The pilot program is being conducted at Oregon College of Education. Assistance has been obtained from the large computer system and data processing center at the University of California at Los Angeles.

4. $700 to Professor Egbert S. Wengert of the University of Oregon for an evaluation of the introductory course in political science at the University as a step in the reorganization of the course.

5. $350 to Professor J. B. Conaway, of Linfield College and Oregon State University, to study the use of facilities of the private liberal arts colleges of Oregon from the standpoint of year-around operation.

Dr. Strand gave more detailed information on each project. He also outlined the areas which he felt it was essential that institutions plan more completely and concretely in order to obtain maximum efficiency of staff, space and funds. Areas mentioned were elimination of small classes, year-around as well as more complete daily scheduling, educational television—both open and closed circuit, and mechanical teaching aids. A duplicated copy of Dr. Strand's complete report was distributed to Board members and is on file in the Board's Office.
BUILDINGS, GROUNDS AND CAPITAL OUTLAY

Item 1

Appointment of Engineer To Plan Utility Tunnel Extension, OSU

The State Board of Higher Education is requesting the sum of $410,000 from the 1963 Legislature to cover two phases of the development of the utility tunnel system which has been in progress for several years at Oregon State University. One of these phases involves the construction of a tunnel along College Drive between Campus Way and Jefferson Street, a distance of approximately 620 feet, for which the direct construction cost estimate is approximately $132,000. The other phase, which is estimated to have a direct construction cost of about $220,000, involves the electrification of the existing tunnel along Campus Way from Apperson Hall on the east to Cordley Hall on the west, including connection to intermediate structures facing Campus Way from the north and south sides of the tunnel.

President Jensen, with the concurrence of the Chancellor, recommended that authorization be given to employ Engineer W. Bruce Morrison of Portland to prepare plans for the project. The professional services fee for the tunnel design and construction supervision is to be 5.0 per cent of the direct construction costs. Recognizing that consulting fees will be required for the electrical work, it is proposed that for this portion of the work the contractual arrangements provide payment of 5.5 per cent of the direct construction costs. For both phases of this work, the preliminary planning fee is 1.0 per cent, or approximately $3,520. Funds are to be provided from the Board's Unrestricted, Unappropriated Reserve.

The Board approved the recommendations as presented.

Item 2

Appointment of Architect To Study Renovation or Abandonment of Campus Buildings, OSU

Several buildings on the campus of Oregon State University have limited usefulness or are rapidly approaching limited usefulness because of age. Functions assigned to these structures are scheduled to change within the next three bienniums.

In order to provide accurate information in regard to the renovation or abandonment of the buildings, an architect should be engaged to study and make recommendations pertaining to:

1. Suitability of the buildings for the present purposes in view of Code requirements and general utility.

2. Economic feasibility and suitability of rehabilitation for present use or conversion for other required uses, such as faculty offices, classrooms and science-type laboratories versus construction of new facilities.

3. Consideration of the site occupied by any of the buildings in question with respect to the value of the site for a modern, more efficient structure.

The buildings to be studied are as follows: Waldo Hall, Agricultural Hall, Production Technology Buildings, Kidder Hall, Farm Crops Building, Mitchell Playhouse, Shepard Hall, Apperson Hall, and Benton Hall.
President Jensen, with the concurrence of the Chancellor, recommended that authorization be given to employ the architectural firm of Bear, McNeil, Schneider, Bloodworth and Hawes to make the study. Employment of the architects is to be on an hourly basis, with the understanding that if further investigations involving estimates for remodeling are required for any of the buildings, separate contracts for such analyses will be arranged for each building. It was further recommended that $400 be authorized for expenditure from dormitory funds and $4,000 from the Board's Unappropriated Fund to make the study.

The Board approved the recommendations as presented.

Item 3
Conversion of Solariums to Student Rooms, OSU

Because of the heavy enrolment at Oregon State University, it is desirable that the solariums between Poling and Cauthorn Halls and between Cauthorn and Hawley Halls be converted into dormitory rooms housing 32 students. It is estimated that the total cost of the work will approximate $52,500, including $44,440 for direct construction costs, including built-in furniture.

President Jensen, with the concurrence of the Chancellor, recommended that authorization be given to appoint the firm of Bear, McNeil, Schneider, Bloodworth & Hawes as architects for the project. The total fee for architectural services is to be 7.0 per cent of the direct construction cost. Funds for the payment of the architect are to be provided from institutional restricted fund balances.

The Board authorized the recommendations as presented.

Item 4
Final Planning and Bidding of Radiation Center Building, OSU

At the July 1962 meeting, the Board approved the preliminary plans which Oregon State University officials and Architects Bear, McNeil, Schneider, Bloodworth & Hawes presented for the proposed Radiation Center Building expected to be constructed soon on the campus in Corvallis. It was indicated that the gross area of the building would be approximately 34,050 square feet and that the direct construction costs, including fixed equipment items, would be approximately $626,069. It was also indicated that the total project cost of $755,280 would be financed from grants from the federal government and matching funds reserved by the State Emergency Board.

President Jensen reported that the architects expect to complete the final plans and specifications within the very near future and that the only modification from the preliminary plans is the omission of a small basement area which was to house waste retention tanks. It has been determined that only one tank will be required for the project and it will be located in the ground outside of the building thus reducing the gross area of the building from 34,050 square feet to 33,214 square feet.

In order to expedite the program of construction, President Jensen, with the concurrence of the Chancellor, recommended that the appropriate Board officials be authorized to approve final plans and specifications, request the release of funds from the State Emergency Board, solicit bids and award construction contracts within the funds available for the project. A report thereof would be presented to the Board at a subsequent meeting.

The Board approved the recommendations as presented.
On July 24, 1962, the Board approved the preliminary plans which Oregon State University officials and Architects Jeppsen and Miller presented for the proposed Oceanography Building which is expected to be constructed soon on the campus in Corvallis. It was indicated that the gross area of the building would be approximately 29,456 square feet and that the direct construction costs, including built-in laboratory equipment, would be about $560,000. It was also indicated that the total project cost of $666,500 would be financed from a grant of $500,000 from the National Science Foundation and $166,500 from restricted fund balances available to the institution through building use allowances related to research and instructional contracts and grants.

Subsequently, the preliminary plans and the financial program were presented to the State Emergency Board.

President Jensen reported that the architects expect to complete the final plans and specifications for the Oceanography Building within the very near future and that these plans will be substantially similar to the approved preliminary plans. In order to expedite the program of construction, President Jensen, with the concurrence of the Chancellor, recommended that the appropriate Board officials be authorized to approve final plans and specifications, solicit bids and award construction contracts within the funds available for the project. A report thereof would be presented to the Board at a subsequent meeting.

The Board approved the recommendations as presented.

In accordance with authorization granted by the Board on April 25, 1962, bids were received on September 20, 1962, for the construction of the Paleoeecology Laboratory Building at the University of Oregon, for which funds were provided by the National Science Foundation. Seven bids were received, ranging from $24,500 to $30,533. Prior to a contract award, the apparent low bidder, A. E. Stafford of Springfield, requested that his bid be withdrawn because of an error which was evident to Board officials who examined his working papers. Upon the advice of the Board's attorney, a contract award was made to the second low bidder, V. A. Harding Construction Co. of Eugene, and the following construction budget was approved for the project:

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs</td>
<td>$25,350</td>
</tr>
<tr>
<td>Architects fees</td>
<td>1,775</td>
</tr>
<tr>
<td>Furnishings, Equipment, Construction Supervision and Miscellaneous Costs</td>
<td>11,607</td>
</tr>
<tr>
<td>Construction contingencies</td>
<td>1,268</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$40,000</strong></td>
</tr>
</tbody>
</table>

The building was designed by Architects Balzhiser, Seder & Rhodes of Eugene and contains a gross area of 2,074 square feet. The direct construction costs average approximately $12.22 per square foot.

The Board confirmed the contract award.
On September 12, 1962, the Comptroller inspected and accepted the work of the construction contractors for Dormitory No. 4 at Oregon State University, subject to the completion of a few minor items. This building, identified as Buxton Hall, is the fourth and final unit of the dormitory quadrangle located south of Jefferson Street, west of Weatherford Hall.

The revised construction budget, subject to final adjustment when the remaining costs for equipment purchases and landscaping have been determined, is indicated below in comparison with the budget approved by the Board in April 1961:

<table>
<thead>
<tr>
<th></th>
<th>Original Budget 4-25-61</th>
<th>Revised Budget 9-12-62</th>
<th>Increase or Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct Construction:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Work - Todd Building Company, Roseburg</td>
<td>$637,700</td>
<td>$642,458</td>
<td>$4,758 (1)</td>
</tr>
<tr>
<td>Mechanical Work - Linn-Pacific Mechanical Contractors, Inc., Albany</td>
<td>$126,781</td>
<td>$127,128</td>
<td>347 (2)</td>
</tr>
<tr>
<td>Electrical Work - L. H. Morris Electric Co., Eugene</td>
<td>$57,439</td>
<td>$60,140</td>
<td>$2,701 (3)</td>
</tr>
<tr>
<td>Structural Steel - Calbag Steel Warehouse, Portland</td>
<td>$6,974</td>
<td>$6,974</td>
<td>-</td>
</tr>
<tr>
<td>Built-in Furniture - Tech-Craft, Inc., Tacoma, Washington</td>
<td>$70,000</td>
<td>$71,330</td>
<td>$1,330 (4)</td>
</tr>
<tr>
<td><strong>Total Direct Construction Costs</strong></td>
<td><strong>$898,894</strong></td>
<td><strong>$908,030</strong></td>
<td><strong>$9,136</strong></td>
</tr>
<tr>
<td>Architectural and Engineering Services</td>
<td>$42,845</td>
<td>$44,411</td>
<td>$1,566</td>
</tr>
<tr>
<td>Legal and Administrative Expense</td>
<td>$2,000</td>
<td>$1,247</td>
<td>($753)</td>
</tr>
<tr>
<td>Furnishings and Equipment</td>
<td>$70,000</td>
<td>$70,000</td>
<td>-</td>
</tr>
<tr>
<td>Landscaping, Utility Services, Construction Supervision</td>
<td>$31,316</td>
<td>$37,812</td>
<td>$6,496 (5)</td>
</tr>
<tr>
<td>Contingencies</td>
<td>$44,945</td>
<td>-</td>
<td>($44,945)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$1,090,000</strong></td>
<td><strong>$1,061,500</strong></td>
<td><strong>($28,500)</strong> (6)</td>
</tr>
</tbody>
</table>

(1) Includes door and hardware revisions, additional damproofing, the installation of furring to conceal phone conduits, a door alarm system and other modifications incorporated within a total of fifteen general work change orders.

(2) Includes various minor revisions in the mechanical work contract incorporated within three change orders.

(3) Includes the installation of ten floodlights and 155 telephone outlets as well as other minor revisions incorporated within three change orders to the electrical work contract.

(4) Includes the addition of a shelf and rod within each wardrobe, miscellaneous hardware changes and other revisions incorporated within two change orders.

(5) Includes landscaping of quadrangle enclosed by dormitories 1, 2, 3, and 4.

(6) Inasmuch as the project was financed from the sale of general obligation bonds, Series 1961, the savings of $28,500 will be utilized on other eligible self-liquidating projects.
The project was designed by Architects Bear, McNeil, Schneider, Bloodworth & Haves of Portland and provides housing accommodations for a total of 327 additional students. For the total area of 64,549 square feet, excluding covered porches and walks, the direct construction costs of $908,030 average $14.07 per square foot. The total investment of $1,061,500 averages $3,246 per occupant.

The Board confirmed the inspection and acceptance of Dormitory No. 4.

Item 8

Report of Inspection and Acceptance of Medical Research Building, UOMS

On October 2, 1962, Board member Cheryl S. MacNaughton, accompanied by the Chancellor, inspected and accepted the work of construction contractors at the Medical Research Building on the campus of the University of Oregon Medical School, subject to the completion of a few minor items. The revised construction budget is indicated below in comparison with the budget approved by the Board on September 13, 1960:

<table>
<thead>
<tr>
<th></th>
<th>Revised 10-2-62</th>
<th>Original 9-13-60</th>
<th>Increase or Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sources of Funds:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Appropriation</td>
<td>$1,297,000</td>
<td>$1,297,000</td>
<td>$</td>
</tr>
<tr>
<td>Public Health Service grant on matching basis:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building and built-in equipment</td>
<td>1,200,000</td>
<td>1,200,000</td>
<td>-</td>
</tr>
<tr>
<td>Movable equipment</td>
<td>97,955</td>
<td>97,955</td>
<td>-</td>
</tr>
<tr>
<td>Restricted fund balances</td>
<td>149,164</td>
<td>149,164</td>
<td>-</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>$2,744,119</td>
<td>$2,744,119</td>
<td>$</td>
</tr>
</tbody>
</table>

**Project Costs:**

**Direct Construction Costs:**

<table>
<thead>
<tr>
<th></th>
<th>Revised 10-2-62</th>
<th>Original 9-13-60</th>
<th>Increase or Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Work - Ross B. Hammond Co., Portland</td>
<td>$1,569,918</td>
<td>$1,543,578</td>
<td>$26,340</td>
</tr>
<tr>
<td>Mechanical Work - Urban Plumbing &amp; Heating Co., Portland</td>
<td>546,351</td>
<td>524,796</td>
<td>21,555</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>$2,325,453</td>
<td>$2,267,864</td>
<td>$57,589 (1)</td>
</tr>
</tbody>
</table>

Add: Estimated requirements for additional units of built-in laboratory fixtures | 60,410          | 50,000          | 10,410 (2)          |

**Total Direct Construction Costs** | $2,385,863 | $2,317,864 | $67,999 |

**Architects' and engineers' fees** *(including foundation investigations)*

<table>
<thead>
<tr>
<th></th>
<th>Revised 10-2-62</th>
<th>Original 9-13-60</th>
<th>Increase or Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movable equipment</td>
<td>195,910</td>
<td>195,910</td>
<td>-</td>
</tr>
<tr>
<td>Construction supervision, physical plant costs, advertising, and miscellaneous</td>
<td>20,907</td>
<td>19,000</td>
<td>1,907</td>
</tr>
<tr>
<td>Landscaping</td>
<td>3,500</td>
<td>3,500</td>
<td>-</td>
</tr>
<tr>
<td>Contingency Fund</td>
<td>72,109</td>
<td>72,109</td>
<td>(72,109)</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>$2,744,119</td>
<td>$2,744,119</td>
<td>-</td>
</tr>
</tbody>
</table>
Notes:
(1) Contract adjustments include:
(a) Access road to rear of building through connector between Outpatient Clinic and Multnomah Hospital $32,695
(b) Revision to permit reallocation of space on second and eighth floors 22,049
(c) Minor changes required during course of work (net increase) 2,845
$57,589

(2) Represents increase in fixture requirements (financed from grant funds)

The project was designed by Architects Bear, McNeil, Schneider, Bloodworth & Haves of Portland. It is a nine-story building, with partial basement, located north of the Medical Science Building. Exterior finishes include some brick to harmonize with adjacent buildings, cast concrete spandrel panels, and aluminum sash and doors.

For the gross area of 117,611 square feet, the direct construction costs of $2,385,863 average approximately $20.29 per square foot, including built-in laboratory fixtures.

The Board confirmed the acceptance of the Medical Research Building.

Item 9
Additional HHFA Preliminary Planning Funds for Library, PSC

The Housing and Home Finance Agency has offered the additional sum of $16,500 to supplement the advance planning funds of $8,000 previously approved for Library facilities at Portland State College. The application for these supplemental funds was authorized by the Board at the July 24, 1962, meeting.

With the concurrence of the Chancellor, President Millar recommended that the Comptroller be authorized to accept the offer of the federal government in the revised amount of $24,500, executing an agreement which is similar to the form shown in Supplement A of the Board minutes of December 12, 1961. Thereafter, Architects Skidmore, Owings & Merrill will be instructed to begin the preliminary planning of this project.

The Board authorized the recommendations as presented.

Item 10
Acceptance of Preliminary Plans for Science-Mathematics Building, EOC

Inasmuch as the preliminary plans prepared by Architects Hewlett and Jamison for the proposed Science-Mathematics Building at Eastern Oregon College are in substantial agreement with the pre-preliminary scheme approved by the Board at the July 1962 meeting, they are being approved by the Chancellor's Office and will be filed with the Department of Finance and Administration in support of the request for construction funds from the 1963 Legislature.

Minor modifications were made in the room arrangements from those contemplated by the schematic plan and space is now expected to be provided for the Derry rock collection and other museum exhibits in display cases along the corridor walls. A combination freight and
passenger elevator is planned in lieu of a dumbwaiter. These revisions result in an increase of the gross floor area from 27,000 square feet to 28,200 square feet.

It is expected that the building will have four classrooms, three lecture rooms, sixteen offices and nine instructional laboratories in addition to the related research, storage and service areas. Provision is made for the possible future addition of another unit of approximately the same size.

Based upon the current price level, the estimated direct construction costs of the building, including fixed equipment, are approximately $616,000, or an average of approximately $21.84 per square foot. If air conditioning is provided, the estimated direct construction costs would be approximately $644,200. Giving effect to price increases which are expected between the present time and the date on which construction bids can be received for this building, it is recommended that the direct construction costs of the basic building and fixed equipment be budgeted at $653,535 and that the total project costs should be increased from the previously approved sum of $790,000 to $845,000, plus $30,000 for the incremental costs of air conditioning. With the concurrence of the Chancellor, President Bennett recommended that the appropriation request be amended, as indicated, and that an additional $200 be allocated from the Board's Unappropriated Funds to supplement the preliminary planning funds previously made available by the Board ($1,500) and by the Housing and Home Finance Agency ($6,000).

To fulfill the requirements of the federal government, it was also recommended that the following resolution be adopted by a roll call vote:

RESOLUTION APPROVING THE COMPLETED PRELIMINARY PLANNING REPORT WITH AN ADVANCE FROM THE UNITED STATES OF AMERICA FOR THE SCIENCE-MATHEMATICS BUILDING, EASTERN OREGON COLLEGE, UNDER THE TERMS OF PUBLIC LAW 560, 83rd CONGRESS OF THE UNITED STATES, AS AMENDED

WHEREAS, the Oregon State Board of Higher Education on behalf of Eastern Oregon College accepted an offer from the United States Government for an advance for preliminary plan preparation of a public work described as a Science-Mathematics Building, Eastern Oregon College, La Grande, Oregon; and

WHEREAS, Hewlett and Jamison, Architects, were engaged to prepare a preliminary planning report for the aforesaid public work, and said architects have completed the report and submitted it for approval; and

WHEREAS, the completed preliminary planning report has been carefully studied and is considered to comprise adequate preliminary planning of the public work essential to the community and within the financial ability of the Oregon State Board of Higher Education on behalf of Eastern Oregon College to construct;
NOW, THEREFORE, BE IT RESOLVED by the Oregon State Board of Higher Education, the governing body of said applicant, that the planning report submitted by Hewlett and Jamison as the basis for detailed planning and construction of the Science-Mathematics Building at Eastern Oregon College, dated October 6, 1962, in connection with Housing and Home Finance Agency Project No. P-ORE-3095 be and the same is hereby approved; and that certified copies of this resolution be filed with the Housing and Home Finance Agency as a part of the preliminary planning report.

On motion by Director Holloway and second by Director Forrester, the above resolution was adopted on a roll call vote with the following voting in favor of adoption: Directors Forrester, Holloway, Johnson, MacNaughton, Merrifield, Purvine and Walsh.

Those voting no: None.

The President of the Board thereupon declared the resolution adopted by a unanimous vote.

Item 11

Acceptance of Preliminary Plans for Library Building, First Addition and Alterations at the University of Oregon are in substantial agreement with the preliminary scheme approved by the Board at the June 12, 1962, meeting. The only perceptible change is that the mechanical space will require more area than first anticipated. Consequently, the plans are being approved by the Chancellor's Office and are being filed with the Department of Finance and Administration in support of the request for construction funds from the 1963 Legislature.

The preliminary plans prepared by Architects Hamlin & Martin for the Library Building, First Addition and Alterations at the University of Oregon are in substantial agreement with the preliminary scheme approved by the Board at the June 12, 1962, meeting. The only perceptible change is that the mechanical space will require more area than first anticipated. Consequently, the plans are being approved by the Chancellor's Office and are being filed with the Department of Finance and Administration in support of the request for construction funds from the 1963 Legislature.

The proposed three-story addition will extend the main library to the south, and will provide an increase of approximately 104,920 square feet in the gross area of the building, including a partial basement and a small penthouse (for mechanical equipment). Areas to be added are expected to be as follows: Basement, 9,710; first and second floors, 30,470 each floor; third floor, 32,270; and penthouse, 2,000; for a total of 104,920 square feet.

In addition, about 9,500 square feet of remodeling will be done within the existing building and the entire space of the building complex will be reorganized for greater efficiency and reader convenience. The addition and rearrangement will increase the total capacity of the library by about 1,688 reader stations and 349,963 volumes. Therefore, the capacity of the enlarged building is expected to be about 2,890 reader stations, 1,023,993 volumes, 114 full-time staff members, 40 FTE student assistants, plus areas for special collections, card catalogs, seminars, faculty studies, conference rooms and special facilities for audio-visual and photographic bureau services.
The structural frame of the building addition will be a combination of reinforced concrete and structural steel. Provisions will be incorporated in the column and roof design for a future fourth floor over the entire area of this addition. East and west exterior walls will be brick veneer matching the existing walls. The south and exterior portion of the north walls will be window walls with aluminum sash and porcelain enameled iron spandrel panels. In order to reduce solar heat transmission and sun and sky glare, heat absorbing glass will be used.

Steam heat will be provided from the campus central heating plant and the existing air conditioning system, installed within the area added in 1950, will be extended into the new space. Fluorescent lighting will be installed except in toilet rooms, mechanical rooms and some corridors which will have enclosed incandescent fixtures.

Based upon the current price level, the direct construction costs are estimated to be approximately $1,693,396. Recognizing probable price increases before construction can be undertaken late in 1963 or early in 1964, the total project costs, as noted in the Board’s capital construction program for 1963-1965, are estimated to be $2,330,000. The portion thereof allocated to direct construction costs is $1,795,000.

Inasmuch as the preliminary planning funds for the project were provided by the Housing and Home Finance Agency, President Fleming, with the concurrence of the Chancellor, recommended that the following resolution be adopted by a roll call vote:

RESOLUTION APPROVING THE COMPLETED PRELIMINARY PLANNING REPORT WITH AN ADVANCE FROM THE UNITED STATES OF AMERICA FOR LIBRARY BUILDING ADDITION, UNIVERSITY OF OREGON, UNDER THE TERMS OF PUBLIC LAW 560 83rd CONGRESS OF THE UNITED STATES, AS AMENDED

WHEREAS, the Oregon State Board of Higher Education on behalf of the University of Oregon accepted an offer from the United States Government for an advance for preliminary plan preparation of a public work described as a Library Building Addition, University of Oregon, Eugene, Oregon; and

WHEREAS, Hamlin and Martin, Architects, were engaged to prepare a preliminary planning report for the aforesaid public work, and said architects have completed the report and submitted it for approval; and

WHEREAS, the completed preliminary planning report has been carefully studied and is considered to comprise adequate preliminary planning of the public work essential to the community and within the financial ability of the Oregon State Board of Higher Education on behalf of the University of Oregon to construct;
NOW, THEREFORE, BE IT RESOLVED by the Oregon State Board of Higher Education, the governing body of said applicant, that the planning report submitted by Hamlin & Martin as the basis for detailed planning and construction of the Library Building Addition, University of Oregon, in connection with Housing and Home Finance Agency Project No. P-ORE-3101 be and the same is hereby approved; and that certified copies of this resolution be filed with the Housing and Home Finance Agency as a part of the preliminary planning report.

On motion by Director Holloway and second by Director Forrester, the above resolution was adopted on a roll call vote with the following voting in favor of adoption: Directors Forrester, Holloway, Johnson, MacNaughton, Merrifield, Purvine and Walsh.

Those voting no: None.

The President of the Board thereupon declared the resolution adopted by a unanimous vote.

Item 12

Acceptance of Preliminary Plans for Library Building Addition & Alterations, EOC

At the September 1962 meeting, the Board reviewed and approved the pre-preliminary scheme for the Eastern Oregon College Library Building Addition and Alterations for which funds are being requested from the 1963 Legislature. President Bennett and Architects Wolff & Zimmer have submitted the completed preliminary plans to the Board's Office for approval and have noted that very few modifications have been made in the project design. The revised computation of the gross area of the proposed addition is 11,024 square feet, only slightly above the previous estimate of 10,916 square feet.

The architects have recommended a rather substantial increase in the allowance for direct construction costs, however, to recognize the remodeling which will be done in the existing building, and to air condition all of the library and instructional material areas. It is their judgment that, based upon the current price level, these costs will be approximately $296,874, rather than the original estimate of $247,000 which was indicated when the pre-preliminary scheme was presented. The portion applicable to new construction (air-conditioned) averages about $18.37 per square foot.

In order to give effect to probable increases in the price level between the present time and the date that construction can be undertaken if funds are appropriated by the next legislative assembly, President Bennett recommends that the direct construction cost estimate be amended to $315,000 and that the total project cost be increased from $365,000 to $425,000. The Chancellor concurred in these recommendations and suggested that the following resolution be approved by a roll call vote in order to fulfill the requirements of the Housing and Home Finance Agency. The federal government is providing an interest-free advance of $3,000 to cover the cost of preparing the preliminary plans.
RESOLUTION APPROVING THE COMPLETED PRELIMINARY PLANNING REPORT
WITH AN ADVANCE FROM THE UNITED STATES OF AMERICA FOR THE
LIBRARY BUILDING ADDITION, EASTERN OREGON COLLEGE, UNDER THE
TERMS OF PUBLIC LAW 560, 83rd CONGRESS OF THE UNITED STATES
AS AMENDED

WHEREAS, the Oregon State Board of Higher Education on behalf of
Eastern Oregon College accepted an offer from the United States
Government for an advance for preliminary plan preparation of a
public work described as a Library Building Addition, Eastern
Oregon College, La Grande, Oregon; and

WHEREAS, Wolff & Zimmer, Architects, were engaged to prepare a
preliminary planning report for the aforesaid public work, and
said architects have completed the report and submitted it for
approval; and

WHEREAS, the completed preliminary planning report has been
carefully studied and is considered to comprise adequate pre-
liminary planning of the public work essential to the community
and within the financial ability of the Oregon State Board of
Higher Education on behalf of Eastern Oregon College to construct;

NOW, THEREFORE, BE IT RESOLVED by the Oregon State Board of Higher
Education, the governing body of said applicant, that the planning
report submitted by Wolff & Zimmer as the basis for detailed plan-
ning and construction of the Library Building Addition, Eastern
Oregon College, dated October 8, 1962, in connection with Housing
and Home Finance Agency Project No. P-ORE-3115 be and the same is
hereby approved; and that certified copies of this resolution be
filed with the Housing and Home Finance Agency as a part of the
preliminary planning report.

On motion by Director Forrester and second by Director Holloway, the
above resolution was adopted on a roll call vote with the following
voting in favor of adoption: Directors Forrester, Holloway, Johnson,
MacNaughton, Merrifield, Purvine and Walsh.

Those voting no: None.

The President of the Board thereupon declared the resolution
adopted by a unanimous vote.
The federal government has indicated that funds may be available for the preparation of final plans and specifications for a limited number of buildings for which funds are being requested from the 1963 Legislature. In view of the relatively high priority assigned to the Science-Mathematics Building at Eastern Oregon College and the Classroom, Laboratory and Office buildings at Oregon College of Education and Southern Oregon College, the institutional executives, with the concurrence of the Chancellor, recommend that the Comptroller be authorized to file applications with the Housing and Home Finance Agency for interest-free advances to cover the cost of such planning. If the final plans and specifications for these projects could be undertaken promptly under such an accelerated schedule, construction might commence immediately following the appropriation of funds by the Legislature and the buildings might be completed for use during the fall term of 1964, a year earlier than would otherwise be possible.

The Board authorized the recommendation as presented.

The estimated direct construction costs of the proposed Science-Mathematics Building at Eastern Oregon College, based upon cost estimates reported in connection with the completion of the preliminary plans for this project at the October 1962 meeting, are expected to be approximately $681,735 and the site work related thereto is estimated to be $34,505, or a total of $716,240. To cover the costs of preparing final plans and specifications and related items such as foundation investigations, etc., President Bennett recommended that authorization be given to the Comptroller to file an application with the federal government for an advance of $25,000. He also recommended that the Comptroller be authorized to accept the offer of the federal government for this advance if it is approved, executing an agreement which is similar to the form contained in Supplement A to the Board minutes of December 12, 1961, and that thereafter, authorization be given to the architects to proceed with the preparation of final plans and specifications for the Science-Mathematics Building at Eastern Oregon College. The following resolution, which is required by the federal government in connection with this application for this advance, was recommended for adoption by a roll call vote:

RESOLUTION AUTHORIZING FILING OF APPLICATION WITH THE UNITED STATES OF AMERICA FOR AN ADVANCE TO PROVIDE FOR THE PREPARATION OF FINAL PLANS OF A SCIENCE-MATHMATICS BUILDING, EASTERN OREGON COLLEGE, UNDER THE TERMS OF PUBLIC LAW 560, 83rd CONGRESS OF THE UNITED STATES, AS AMENDED

WHEREAS, the Oregon State Board of Higher Education on behalf of Eastern Oregon College herein called the "Applicant", after thorough consideration of the various aspects of the problem and study of available data has hereby determined that the construction of certain public works, generally described as a Science-Mathematics Building, Eastern Oregon College, is desirable and in the public interest and to that end it is necessary that action preliminary to the construction of said works be taken immediately; and
WHEREAS, under the terms of Public Law 560, 83rd Congress, as amended, the United States of America has authorized the making of advances to public bodies to aid in financing the cost of engineering and architectural surveys, designs, plans, working drawings, specifications, or other action preliminary to and in preparation for the construction of public works; and

WHEREAS, the Applicant has examined and duly considered such Act and the Applicant considers it to be in the public interest and to its benefit to file an application under said Act and to authorize other action in connection therewith;

NOW, THEREFORE, BE IT RESOLVED BY the Oregon State Board of Higher Education, the governing body of said Applicant, as follows:

1. That the construction of said public works is essential to and is to the best interests of the Applicant, and to the end that such public works may be provided as promptly as practicable it is desirable that action taken preliminary to the construction thereof be undertaken immediately;

2. That H. A. Bork, Comptroller, be hereby authorized to file in behalf of the Applicant an application (in form required by the United States and in conformity with said Act) for an advance to be made by the United States to the Applicant to aid in defraying the cost of preparation of final plans and specifications for the above described public works, which shall consist generally of a Science-Mathematics Building, including laboratories, classrooms, office areas, storerooms and related facilities, to be located on the campus of Eastern Oregon College, La Grande, Oregon. It is expected that the building will have a gross area of approximately 28,200 square feet.

3. That if such advance be made, the Applicant shall provide or make arrangements to provide such funds, in addition to the advance, as may be required to defray the cost of the preparation of final plans of such public works;

4. That said H. A. Bork, Comptroller, is hereby authorized to furnish such information and take such action as may be necessary to enable the Applicant to qualify for the advance;

5. That the officer designated in the preceding paragraph is hereby designated as the authorized representative of the Applicant for the purpose of furnishing to the United States such information, data, and documents pertaining to the application for an advance as may be required; and otherwise to act as the authorized representative of the Applicant in connection with this application.
6. That certified copies of this resolution be included as part of the application for an advance to be submitted to the United States.

On motion by Director Forrester and second by Director MacNaughton, the above report and recommendations were approved and the resolution was adopted on a roll call vote with the following voting in favor of adoption: Directors Forrester, Holloway, Johnson, MacNaughton, Merrifield, Purvine and Walsh.

Those voting no: None.

The President of the Board thereupon declared the resolution adopted by a unanimous vote.

Item 15

Final Plan Preparation for Classroom, Laboratory and Office Building, OCE

The direct construction costs of the proposed Classroom, Laboratory and Office Building at Oregon College of Education, based upon cost estimates reported in connection with the completion of preliminary plans for this project, are expected to be approximately $642,830, and the site work related thereto is estimated to be $17,200, or a total of $660,030. To cover the costs of preparing final plans and specifications and related items such as foundation investigations, etc., President Rice recommended that authorization be given to the Comptroller to file an application with the Housing and Home Finance Agency for an advance of $23,500. He also recommended that the Comptroller be authorized to accept the offer of the federal government for this advance if it is approved, executing an agreement which is similar to the form contained in Supplement A to the Board minutes of December 12, 1961; and that, thereafter, authorization be given to the architects to proceed with the preparation of final plans and specifications for the Classroom, Laboratory and Office Building at Oregon College of Education. The following resolution, which is required by the federal government in connection with the application for this advance, was recommended for adoption by a roll call vote:

RESOLUTION AUTHORIZING FILING OF APPLICATION WITH THE UNITED STATES OF AMERICA FOR AN ADVANCE TO PROVIDE FOR THE PREPARATION OF FINAL PLANS FOR A CLASSROOM, LABORATORY AND OFFICE BUILDING, OREGON COLLEGE OF EDUCATION, UNDER THE TERMS OF PUBLIC LAW 560, 83rd CONGRESS OF THE UNITED STATES, AS AMENDED

WHEREAS, the Oregon State Board of Higher Education on behalf of the Oregon College of Education herein called the "Applicant", after thorough consideration of the various aspects of the problem and study of available data has hereby determined that the construction of certain public works, generally described as a Classroom, Laboratory, and Office Building, Oregon College of Education, is desirable and in the public interest and to that end it is necessary that action preliminary to the construction of said works be taken immediately; and

WHEREAS, under the terms of Public Law 560, 83rd Congress, as amended, the United States of America has authorized the making of advances to public bodies to aid in financing the cost of engineering and architectural surveys, designs, plans, working drawings, specifications or other action preliminary to and in preparation for the construction of public works; and
WHEREAS, the Applicant has examined and duly considered such Act and the Applicant considers it to be in the public interest and to its benefit to file an application under said Act and to authorize other action in connection therewith;

NOW, THEREFORE, BE IT RESOLVED BY the Oregon State Board of Higher Education, the governing body of said Applicant, as follows:

1. That the construction of said public works is essential to and is to the best interests of the Applicant, and to the end that such public works may be provided as promptly as practicable it is desirable that action taken preliminary to the construction thereof be undertaken immediately;

2. That H. A. Bork, Comptroller, be hereby authorized to file in behalf of the Applicant an application (in form required by the United States and in conformity with said Act) for an advance to be made by the United States to the Applicant to aid in defraying the cost of preparation of final plans and specifications for the above described public works, which shall consist generally of a Classroom, Laboratory and Office Building, including classrooms, instructional research laboratories, offices, and related storage, service and mechanical space within an area of approximately 33,600 square feet;

3. That if such advance be made, the Applicant shall provide or make arrangements to provide such funds, in addition to the advance, as may be required to defray the cost of the preparation of final plans of such public works;

4. That said H. A. Bork, Comptroller, is hereby authorized to furnish such information and take such action as may be necessary to enable the Applicant to qualify for the advance;

5. That the officer designated in the preceding paragraph is hereby designated as the authorized representative of the Applicant for the purpose of furnishing to the United States such information, data, and documents pertaining to the application for an advance as may be required; and otherwise to act as the authorized representative of the Applicant in connection with this application.

6. That certified copies of this resolution be included as part of the application for an advance to be submitted to the United States.

On motion by Director Forrester and second by Director Holloway, the above report and recommendations were approved and the resolution was adopted on a roll call vote, with the following voting in favor of adoption: Directors Forrester, Holloway, Johnson, MacNaughton, Merrifield, Purvine and Walsh.

Those voting no: None.

The President of the Board thereupon declared the resolution adopted by a unanimous vote.
Item 16

Final Plan Preparation for Classroom, Laboratory, and Office Building, SOC

The direct construction costs of the proposed Classroom, Laboratory and Office Building at Southern Oregon College, based upon cost estimates reported to the Department of Finance and Administration following the approval of the preliminary plans for this project by the Board at the September 1962 meeting, are expected to be approximately $766,400 and the site work related thereto is estimated to be $6,000, or a total of $772,400. Revised to include air conditioning, these direct construction costs are estimated at $799,549. To cover the costs of preparing final plans and specifications and related items, President Stevenson recommended that authorization be given to the Comptroller to file an application with the Housing and Home Finance Agency for an advance of $26,500. He also recommended that the Comptroller be authorized to accept the offer of the federal government for this advance if it is approved and to execute an agreement which is similar to the form contained in Supplement A to the Board minutes of December 12, 1961; and that thereafter, authorization be given to the architects to proceed with the final plans and specifications for the Classroom, Laboratory and Office Building at Southern Oregon College. The following resolution, which is required by the federal government in connection with the application for the advance, was recommended for adoption by a roll call vote:

RESOLUTION AUTHORIZING FILING OF APPLICATION WITH THE UNITED STATES OF AMERICA FOR AN ADVANCE TO PROVIDE FOR THE PREPARATION OF FINAL PLANS FOR A CLASSROOM, LABORATORY, AND OFFICE BUILDING SOUTHERN OREGON COLLEGE, UNDER THE TERMS OF PUBLIC LAW 560, 83rd CONGRESS OF THE UNITED STATES, AS AMENDED

WHEREAS, the Oregon State Board of Higher Education on behalf of the Southern Oregon College herein called the "Applicant", after thorough consideration of the various aspects of the problem and study of available data has hereby determined that the construction of certain public works, generally described as a Classroom, Laboratory and Office Building, Southern Oregon College, is desirable and in the public interest and to that end it is necessary that action preliminary to the construction of said works be taken immediately; and

WHEREAS, under the terms of Public Law 560, 83rd Congress, as amended, the United States of America has authorized the making of advances to public bodies to aid in financing the cost of engineering and architectural surveys, designs, plans, working drawings, specifications or other action preliminary to and in preparation for the construction of public works; and

WHEREAS, the Applicant has examined and duly considered such Act and the Applicant considers it to be in the public interest and to its benefit to file an application under said Act and to authorize other action in connection therewith;
NOW, THEREFORE, BE IT RESOLVED BY the Oregon State Board of Higher Education, the governing body of said Applicant as follows:

1. That the construction of said public works is essential to and is to the best interests of the Applicant, and to the end that such public works may be provided as promptly as practicable it is desirable that action taken preliminary to the construction thereof be undertaken immediately;

2. That H. A. Bork, Comptroller, be hereby authorized to file in behalf of the Applicant an application (in form required by the United States and in conformity with said Act) for an advance to be made by the United States to the Applicant to aid in defraying the cost of preparation of final plans and specifications for the above described public works, which shall consist generally of a classroom, laboratory, and office building, including classrooms, instructional laboratories, offices, and related storage, service and mechanical space within an area of approximately 38,418 square feet;

3. That if such advance be made, the Applicant shall provide or make arrangements to provide such funds, in addition to the advance, as may be required to defray the cost of the preparation of final plans of such public works;

4. That said H. A. Bork, Comptroller, is hereby authorized to furnish such information and take such action as may be necessary to enable the Applicant to qualify for the advance;

5. That the officer designated in the preceding paragraph is hereby designated as the authorized representative of the Applicant for the purpose of furnishing to the United States such information, data, and documents pertaining to the application for an advance as may be required; and otherwise to act as the authorized representative of the Applicant in connection with this application.

6. That certified copies of this resolution be included as part of the application for an advance to be submitted to the United States.

On motion by Director Holloway and second by Director Forrester, the above report and recommendations were approved and the resolution was adopted on a roll call vote with the following voting in favor of adoption: Directors Forrester, Holloway, Johnson, MacNaughton, Merrifield, Purvine, and Walsh.

Those voting no: None.

The President of the Board thereupon declared the resolution adopted by a unanimous vote.
Meeting #308-66

October 23, 1962

Item 17
New Library
To Be Named
Wm. Jasper
Kerr Library, OSU

The present library at Oregon State University was named the William Jasper Kerr Library in honor of Dr. Kerr who was President of Oregon State University from 1907 to 1932 when he became the first Chancellor of the Oregon State System of Higher Education. In order that Dr. Kerr's name may be retained in connection with an all-campus building, President Jensen recommended that the name William Jasper Kerr Library be transferred to the new library when it is completed.

The Board approved the recommendation as presented.

Item 18
Purchase of
Schmidt Farm, OSU

Officials at Oregon State University desire to purchase approximately 70 acres of the Corrie A. Schmidt property, near the Hyslop Agronomy Station at Granger in order to expand the work of the station. Included also is a right of way easement for a public road access. The parcel to be purchased is located very close to the present station and contains the type of soil that is needed. A portion of the property will be used by the cooperating Federal Soil Conservation Service on a rental basis for experimental purposes.

Appraisals on the property were as follows: $450 per acre and $470 per acre, with the average being $460 per acre. An option for $450 per acre has been obtained. It is estimated that the desired property will be about 70 acres, and the total cost will approximate $31,500. Funds for the purchase are to be provided from sales balances of the Agricultural Experiment Station.

The Board approved the property purchase as recommended.

Item 19
Acquisition of Rogers Property, PSC

At the July 1962 meeting, the Board authorized condemnation of the Rogers property located at 1705 Southwest Eleventh Avenue, Portland, for use relating to the first unit of the Science Building at Portland State College. Continued negotiations have resulted in a compromise purchase of the property for $35,500, with funds being provided from the appropriation made by the 1961 Legislature for the Portland State College Science Building, including site.

The Board confirmed the purchase of the property.

Item 20
Purchase of Golly Property, UO

President Fleming, with the concurrence of the Chancellor, recommended the purchase of the Golly property located within the University of Oregon campus boundaries at 1831 East Seventeenth Avenue. The property is needed for future dormitory expansion and consists of a lot 37 by 100 feet on which is located a two-bedroom house with carport. Two appraisals were obtained, each at $8,500. The owners desire to sell and an option for $8,500 was obtained. Funds for the purchase are to be provided from restricted funds related to dormitory operations.

The Board authorized the property purchase as recommended.
President Fleming, with the concurrence of the Chancellor, recommended the purchase of the Murdoch property located within the University of Oregon campus boundaries at 1533 Moss Street, Eugene. The property is needed for future dormitory expansion and consists of a lot 50 feet by 160 feet on which is located a one and a half-story, four-bedroom house in good condition and a detached garage. Three appraisals were obtained: $13,000, $14,000, and $13,250, for an average of $13,416.67. The owners desire to sell and an option for $13,400 was obtained. Funds for the purchase are to be provided from restricted funds related to dormitory operations.

The Board approved the purchase of the property at the option price.

President Fleming, with the concurrence of the Chancellor, recommended the purchase of the Hammock property located within the University of Oregon campus boundaries at 1798 Columbia Street, Eugene. The property is needed for future dormitory expansion and consists of a lot 62.6 feet wide by 160 feet long upon which is located a one-story, two-bedroom house with carport. Two appraisals were obtained: $10,600 and $10,750 for an average of $10,675. The owners desire to sell and an option for $10,675 has been obtained. The funds for the purchase of the property are to be provided from restricted funds related to dormitory operations.

The Board approved the purchase of the property at the option price.

President Fleming, with the concurrence of the Chancellor, recommended the purchase of the Fish property located within the University of Oregon campus boundaries at 1838 Moss Street, Eugene. The property is needed for future dormitory construction and consists of a lot 60 by 100 feet on which is located a one-story, two-bedroom house and garage. Two appraisals were obtained $11,500 and $11,750, for an average of $11,625. The owners desire to sell and an option for $11,500 has been obtained. Funds for the purchase are to be provided from restricted funds related to dormitory operations.

The Board approved the purchase of the property at the option price.

In December 1957, the Board authorized the appropriate Board officials to negotiate for the purchase of the Renie property located at 576 Indiana Street, which is within the campus boundaries of Southern Oregon College. At that time, it was recommended that the property be acquired without improvements. However, it was not possible to reach a price agreement with the owners, and the negotiations have continued intermittently.

Because the lot is part of the site needed for the proposed Health Service Center, negotiations have been renewed and an option has been acquired for the lot exclusive of buildings which are to be removed by the owner no later than January 1, 1963.

The property consists of a lot 50 by 120 feet on which is located a small combination saw shop and home. Two appraisals have been received: One for $6,770 and the other for $6,800, averaging $6,785. President Stevenson with the concurrence of the Chancellor, recommended that the property be purchased at the option price of $6,000, with funds to be provided from the Board's Land Purchase Reserve.

The Board authorized the purchase as recommended.
Item 25
Waiver of Service of Certification - Graham Estate, UOMS

The estate of Jean E. Graham, deceased, in Multnomah County has been appraised at $33,610.53. Included in the estate is a small home and lot located in Portland, valued at $8,750, and household fixtures valued at $986.

By her will the decedent left to the University of Oregon Medical School for certain specified purposes all of the estate with the exception of a gift of $2,000.

In order to facilitate distribution of the estate, the executrix proposes to sell the real and personal property belonging to the estate and make distribution in cash. The attorney for the estate recommends that the State Board of Higher Education approve a waiver of service of certification in connection with the executrix's petition to sell the property. Dean Baird recommended that the proposal be approved and that the appropriate Board officials be authorized to sign the necessary documents.

The Board approved the recommendation as presented.

Item 26
Sale of Braly Estate Property, OSU

Among the assets received by Oregon State University from the Braly estate is an undivided one-half interest in approximately 12.5 acres of land in Depoe Bay identified as follows:

The State of Oregon's undivided one-half interest in that portion of the West half of the Southwest quarter of the Southeast quarter of Section 5 T. 9 S. R 11 W. W. M., in Lincoln County, Oregon lying northerly of the North line of North Spring Addition to Depoe Bay as shown on map recorded in Book 8 Page 6 of Maps.

Pursuant to the provisions of Oregon statutes governing the sale of lands by the state, the property was advertised for sale at a minimum cash price of $2,200. On September 18, 1962, a bid was received in the amount of $3,006 from John H. and Mary Emma Miller of Portland.

With the concurrence of the Chancellor, President Jensen recommended that the appropriate Board officers be authorized to execute a deed for the property in favor of the purchasers. The expenses of the sale, including a realtor's fee and the title insurance premium, will be charged against the proceeds.

The Board authorized the recommendations as presented.

Item 27
Budget Addition, OSU

President Jensen reported that the Bankhead-Jones appropriation to Oregon State University was increased by the last session of Congress in the amount of $67,000 annually. Similar increases in the appropriation were made to all of the land-grant universities and colleges for instructional purposes.

President Jensen recommended that the amount of $67,000 be added to the Oregon State University budget to cover operating costs of non-credit short courses and conferences. He stated that this program in continuing education now attracts annually approximately 18,000
adults to 70 or 80 different events. President Jensen stated further that the programs have been planned and presented for the most part by regular institutional staff who absorb the workload in addition to regular assignments. The use of the amount of $67,000 will relieve overloads in departments and permit some expansion of the continuing education work program where the needs are greatest.

The Board approved the recommendation as presented.

Item 28
Addition to Physical Plant Operating Budget, UO

It has been necessary for the University of Oregon to convert to general instructional use the Veterans' dormitory for men which has been housed in a war-surplus building. The physical plant operation and maintenance costs for the area of 41,207 square feet were previously paid from dormitory earnings. Since the space has now been converted to general instructional use, it will be necessary to pay these costs from unrestricted funds during the current fiscal year.

President Flemming, with the approval of the Chancellor, recommended an addition to the University of Oregon physical plant operating budget of an amount of $23,055 from the Board's Unappropriated Fund to provide for the physical plant operation and maintenance of the space in the building formerly operated as a men's dormitory.

The Board approved the recommendation as presented.

Item 29
Addition to Hospital and Clinic Budgets, UOMS

At the Board meeting of April 25, 1962, there was presented a report from the University of Oregon Medical School which indicated an estimated net deficiency in the 1962-63 annual operating budget of the teaching hospitals and clinics in the amount of $124,416. In order to insure operation of the facilities through the remainder of the current biennium, the Board approved the use of an amount not to exceed $62,208 from the Board's Emergency Reserve and also approved a request to the State Emergency Board that it reserve an amount of $62,208, to be released January 1, 1963, for operating costs of the hospitals and clinics if required. At its meeting of June 1, 1962, the State Emergency Board approved the request of the State Board of Higher Education.

In a letter to the Chancellor dated October 8, 1962, Dean Baird of the University of Oregon Medical School reported that because of a substantial increase in patient fee collections during the past few months and balances available from the fiscal year 1961-62, it will be possible to operate the teaching hospitals and clinics through June 30, 1963, without the use of the amount of $62,208 from the Board's Emergency Reserve or the amount of $62,208 reserved by the State Emergency Board.
In order to make the added patient fee income and unbudgeted balance available for use in the hospitals and clinics during the current fiscal year, Dean Baird, with the concurrence of the Chancellor, recommended additions to the hospital and clinic budgets from the following sources:

**Unbudgeted balances:**

- From the state appropriation for operation and maintenance of the hospitals and clinics: $26,240
- From patient fees: $134,699

**Increases in estimated income, year 1962-63:**

- From patient fees: $160,798
- Less: Reduction of estimated income from State Welfare Commission funds: $29,000

**Total recommended increases to 1962-63 annual operating budget of the teaching hospitals and clinic:** $292,737

The Board approved the recommendation as presented.

**Item 30**

Dean Noyes reported that the 1962-63 unrestricted funds operating budget for the University of Oregon Dental School provides only $631 for equipment replacements in instruction. He reports further that because of the large inventory of technical equipment in use at the Dental School, some equipment funds are needed. Dean Noyes, with the approval of the Chancellor, recommended the addition to the Dental School instruction equipment of $15,000, the amount to be provided from overrealized income from students from other western states. Through an agreement sponsored by the Western Interstate Commission for Higher Education, the home states of these students pay $1,600 per year for each student, in addition to the regular resident fees paid by the students.

The Board approved the recommendation as presented.

**Item 31**

In order to cover the costs of remodeling the basement in Johnson Hall at the University of Oregon for Board's Office use, the Chancellor recommended the allocation of $4,310 as a supplement to the allocation of $19,160 approved by the Board September 11, 1962, funds to be provided from the Board's Reserve for Land Purchases, Plant Rehabilitation and Minor Capital Outlay appropriated by Chapter 531, Oregon Laws, 1961.

The Board approved the recommendation as presented.
Item 32  The Board approved the following personnel adjustments as submitted by the Institutional Executives concerned, the necessary funds being provided in the 1962-63 budgets:

University of Oregon

J. O. Lindstrom, Designation as Acting Dean of Administration
Change in title for Mr. J. O. Lindstrom from Business Manager with rank of Professor to Acting Dean of Administration at the same rank, effective September 1, 1962, through January 31, 1963, at a salary of $17,600; and

W. N. McLaughlin, Designation as Acting Business Manager
Designation of Mr. W. N. McLaughlin, Assistant Business Manager as Acting Business Manager, effective September 1, 1962, during the period of Mr. Lindstrom's service as Dean of Administration, without change in salary.

The $1,062.50 required in the above adjustments is to be provided from the Reserve for Interim Salary Adjustments.

W. C. Strange, Advance in Rank and Salary
Advance in rank, effective September 1, 1962, for Dr. William C. Strange, from Instructor to Assistant Professor of English, with a corresponding increase in salary from $6,000 to $6,250 in recognition of his completing the requirements for the doctoral degree. The $250 required is to be provided from the Reserve for Interim Salary Adjustments.

K. T. Metzler, Redistribution of Time & Salary
Redistribution of time and salary, effective September 1, 1962, for Mr. Kenneth T. Metzler, Director of Student Publications with rank of Instructor, as follows:

From:  
- Alumni Records .13  $ 1,200  
  Educational Activities and Student Union .70  6,375  
  Alumni Association .17  1,500  
  $ 9,075

To:  
- Alumni Records .30  $ 2,700  
  Educational Activities and Student Union .70  6,375  
  $ 9,075

The $1,250 required for the above adjustment is to be transferred from the Institutional Operating Reserve.

University of Oregon Medical School

D. S. Sarkaria, Courtesy Appointment
Courtesy appointment of Dr. Daljit S. Sarkaria as Assistant Professor of Pathology, effective October 1, 1962, Dr. Sarkaria is associated with the Veterans Administration Hospital and will serve the Medical School on a volunteer basis.

C. L. Chester, Courtesy Appointment
Courtesy appointment of Dr. Clarence L. Chester as Assistant Clinical Professor of Pathology, effective October 1, 1962. Dr. Chester is associated with the Veterans Administration Hospital and will serve the Medical School on a volunteer basis.
Increases in annual salary for the following staff members, effective September 1, 1962, unless otherwise specified.

K. Pritchard, Increase in Salary
Miss Kathleen Pritchard, Research Assistant in Neurology, from $5,400 to $6,000, effective July 1, 1962, and transfer of the source of salary from a Neurology Public Health Service research grant to the Cardiovascular research grant.

W. A. Spencer, Increase in Salary
Dr. William A. Spencer, Assistant Professor of Physiology from $8,500 to $9,500.

Jean Scott, Increase in Salary
Miss Jean C. Scott, Research Assistant in Biochemistry, from $5,100 to $5,220.

T. Yamano, Increase in Salary
Dr. Toshio Yamano, Research Associate in Biochemistry, from $6,000 to $7,500.

T. S. Fujita, Increase in Salary
Mr. Thomas S. Fujita, Research Assistant in Neurology, from $6,000 to $6,500.

D. Myhill, Increase in Salary
Mr. Derek Myhill, Research Assistant in Vascular Surgery, from $5,200 to $5,500, effective October 1, 1962.

S. S. Donaldson, Increase in Salary
Miss Sarah S. Donaldson, Research Assistant in Surgery, from $4,800 to $5,400, effective October 1, 1962.

The above salaries are paid from research grants and funds for the increases are provided in the grants.

Oregon State University

Personnel Adjustments, School of Science
In the reorganization of administrative duties taking place in the School of Science, Dr. V. H. Cheldelin, Dean of the School of Science and Professor of Chemistry, will retain the title of Director of the Science Research Institute, and will serve in the dual capacity of Dean and Director, effective July 1, 1962.

V. H. Cheldelin, Title

D. B. Nicodemos, Designated as Assistant Dean
To augment the over-all administration of the School of Science, Dr. D. B. Nicodemos, Associate Professor of Physics, is designated as Assistant Dean of the School of Science, effective September 1, 1962, with no change in tenure or salary, to be primarily responsible for the administration of the academic program in science.

A. E. Scott, T. E. King, R. W. Newburgh, Designated as Asst. Directors
At the same time, three staff members of the Department of Chemistry are designated as Assistant Directors of the Science Research Institute:

Dr. A. E. Scott, Professor of Chemistry, with no change in salary or tenure, effective September 1, 1962.

Dr. Tsoo E. King, Professor of Chemistry, with no change in salary or tenure, effective September 1, 1962.

Dr. R. W. Newburgh, Professor of Chemistry, with change in salary rate from $11,500 to $14,040 for 12-months' service, indefinite tenure. Funds are provided in the U.S. Public Health Service grant under which Dr. Newburgh is employed. The increase is to be effective October 1, 1962.
Meeting #308-72

Dr. Scott will be primarily responsible for administration of the physical science research program of the Institute; Dr. King will expedite research in enzymology in the Science Research Institute; and Dr. Newburgh will administer research in the biological sciences in the Science Research Institute.

B. L. Strehler, Courtesy Appointment

Courtesy appointment, effective September 1, 1962, of Dr. Bernard Louis Strehler as Visiting Associate Professor, Science Research Institute. Dr. Strehler is expected to offer a summer course in 1963 on the subject of gerontology to be financed from grant funds. It is necessary to appoint Dr. Strehler at this time in order to facilitate negotiations for grants in connection with the course.

W. Potts, Increase in Salary

Increase in salary for Mr. Willard Potts, Instructor in English, from $5,400 to $6,000, effective September 1, 1962. The $600 required is to be transferred from the General Operating Reserve. Mr. Potts has recently received an offer from another institution at a substantial increase in salary.

G. A. Klein, Transfer and Increase in Salary

Transfer of Mr. Glenn Arthur Klein from County Agent-at-Large to Acting State Extension Agent and Assistant Professor, effective September 15, 1962, with an increase in salary from $7,884 to $8,670 due to increased program responsibility. The $651.87 remaining is to be transferred to the Director's Reserve.

H. V. Gopalar-krishna, Courtesy Appointment

Courtesy appointment for Dr. H. V. Gopalar-krishna as Professor of Electrical Engineering, effective September 1, 1962. Dr. Gopalar-krishna is on the campus on a Visiting Scientist Post-Doctoral Fellowship sponsored by the National Academy of Sciences during the current academic year.

Portland State College

F. H. Kanfer, Courtesy Appointment

Courtesy appointment of Dr. Frederick H. Kanfer as Professor of Social Work during 1962-63. Dr. Kanfer is Professor of Medical Psychology at the University of Oregon Medical School and will teach a course in the School of Social Work on a volunteer basis during the fall term of 1962.

Oregon College of Education

Dr. G. Patterson, Advance in Rank and Salary

Advance in rank, effective September 1, 1962, for Dr. Gertrude Patterson from Assistant to Associate Professor of Education, with a corresponding increase in salary from $7,550 to $7,875, in recognition of her completing the work for the doctor's degree. The $325 required is to be provided from the Reserve for Salary Adjustments.

Dr. L. N. Millsap, Advance in Rank and Salary

Advance in rank, effective September 1, 1962, for Dr. Lucille N. Millsap, from Assistant to Associate Professor of Education, with a corresponding increase in salary from $8,200 to $8,525, in recognition of her receiving the doctor's degree. The $325 required is to be provided from the Reserve for Salary Adjustments.
K. Cummiskey, Advance in Rank and Salary

Advance in rank for Dr. Kenneth Cummiskey, from Assistant to Associate Professor of Education, effective September 1, 1962, with a corresponding increase in annual salary from $7,225 to $7,875, in recognition of his completing the work for the doctor's degree. The $650 required is to be provided from the Reserve for Salary Adjustments.

Oregon Technical Institute

D. P. Noel, Courtesy Appointment

Courtesy appointment for Dr. D. P. Noel as Associate Professor in the Dental Assistant Technology program. Dr. Noel has been of assistance in developing the program and is currently serving as its advisor and supervisor on a volunteer basis.

General Extension Division

W. R. Barrows, Appointment

Appointment of Mr. William R. Barrows to a new position as Head of Divisional Services and Business Manager of the General Extension Division, yearly tenure, 12-months' service, at an annual salary of $9,840, effective December 1, 1962. The $5,740 required in 1962-63 is to be provided from unallocated salary funds in the General Extension Division budget.

Centralized Activities

J. R. Pizzo, Advance in Rank; Increase in Time & Salary

Advance in rank for Mr. James R. Pizzo, Student Counsellor, from Instructor to Assistant Professor, and increase in time and salary from 67 per cent time and $4,400 salary to full-time and $6,900 salary for 10-months' service, effective September 1, 1962. The $2,500 required is to be provided as follows: $2,219 from unallocated salary balances and $281 from the Board's Unappropriated Fund.
The Board accepted the following gifts and grants and authorized the Secretary of the Board to make suitable acknowledgement to the donors:

University of Oregon

Scholarships & Fellowships

Gifts totaling $41,160.75 from the following donors for scholarships and fellowships:

- The Asia Foundation, San Francisco, California $ 1,452.00
- Mr. & Mrs. Carl Bennett through the Oregon State University Foundation, Corvallis 150.00
- The Board of Education of the American Baptist Convention, Valley Forge, Pennsylvania 100.00
- The Board of Missions of the Evangelical United Brethren Church, Dayton, Ohio 125.00
- Britt Memorial Scholarship Fund, through Mr. Frank J. Van Dyke, trustee, Medford 100.00
- California Labor Federation AFL-CIO, San Francisco, California 500.00
- The Carpenter Foundation, Central Point 449.97
- The Carpenter Foundation, Medford 920.00
- Alfred Carpenter Foundation, Phoenix 100.00
- Army Relief Society, New York City 275.00
- Cottage Grove High School Parent-Teacher Club 150.00
- The Delta Kappa Gamma Society, Galveston, Texas 500.00
- Lions Club, Drain 100.00
- Drain Parent-Teacher Association 100.00
- Lions Club, Elkton 100.00
- Elmira High School Parent-Teacher Club, Veneta 180.00
- Eugene Alumnae Chapter, Mu Phi Epsilon, Eugene 150.00
- Eugene Education Association 200.00
- The Firestone Tire & Rubber Company, Akron, Ohio 361.12
- Fullerton IV Parent-Teacher Association, Roseburg 100.00
- Thora B. Gardiner Junior High School Student Body Oregon City 270.00
- Georgia-Pacific Foundation, Portland 2,500.00
- Gold Beach Parent-Teacher Association 100.00
- Grand Guardian Council Order of Jobs Daughters, Medford 300.00
- Order of Eastern Star, Grand Chapter of Montana, Columbus 500.00
- Houston Endowment, Inc., Houston, Texas 500.00
- International Footprint Association, Inc., Portland 250.00
- John Jacob Astor Parent-Teacher Association, Portland 100.00
- Col. G. R. Johnson Hi-Y Scholarship through the Central Lane YM-YWCA, Eugene 300.00
- Junior Business Leaders of South Eugene High School 100.00
- Junction City Parent-Teacher Association 300.00
- Kiwanis Club, Pendleton 300.00
- Mapleton Parent-Teacher Association, Mapleton 200.00
- Mrs. Jennie L. Mainwaring, Salem 100.00
Meeting #308-75  

October 23, 1962

Marshfield Senior High School Girls' League, Coos Bay  
Edward Arthur Mellinger Educational Foundation, Inc., Monmouth, Illinois  
Milton-Freewater Rotary Club  
Carl E. Morrison Scholarship Fund  
Mu Phi Epsilon Patroness, Eugene  
Nebo Scholarship, Roseburg High School Associated Student Body  
North Bend High School Band  
North Bend High School Girls' League  
North Bend High School Parent-Teacher Student Association  
Cottage Grove High School Associated Students  
National Institute of Mental Health, Bethesda, Maryland  
Oakland Parent-Teacher Association, Oakland  
Oregon Coast Veneer, Brookings  
Rotary Club, Pendleton  
Pepsi-Cola Bottling Company of Eugene  
Phi Beta Patronesses, Eugene  
The Pi Kappa Alpha Memorial Foundation, Memphis, Tennessee  
Portland City Club and Alpha Gamma Delta, Lake Oswego  
Portland City Panhellenic Association  
Professional Baseball College Scholarship Plan, New York City  
Radio Station KAPT, Salem  
Red Bluff Union High School Community Scholarship Fund, Red Bluff, California  
Republic Carloading & Distributing Co., Inc., New York City  
Riddle Parent-Teacher Association  
Rotary Club, Cottage Grove  
Soroptimist Club of Coos Bay Area  
South Eugene High School Girls' League, Eugene  
The South Santiam Educational and Research Project through the Oregon State University Foundation, Corvallis  
Y-Teen Scholarship through the Central Lane YM-YWCA, Eugene  
Lions Club, Yoncalla  
Weyerhaeuser Company Foundation, Tacoma, Washington  
United States Steel Corporation  
The Sperry and Hutchinson Company, New York City  
Sunset High School Associated Students, Beaverton  
Triangle Lake Parent-Teacher Association, Blachly  
Max D. Tucker Scholarship, Portland  
The Rockefeller Foundation, New York City  
Reynolds Teachers Association, Troutdale

150.00  
250.00  
300.00  
264.00  
150.00  
500.00  
100.00  
100.00  
100.00  
550.00  
5,000.00  
300.00  
500.00  
300.00  
125.00  
100.00  
416.66  
200.00  
300.00  
402.00  
100.00  
200.00  
200.00  
250.00  
100.00  
150.00  
601.00  
300.00  
150.00  
4,160.00  
7,200.00  
375.00  
270.00  
150.00  
999.00  
175.00  
300.00
Meeting #308-76

Sunset High School Dads' Club, Beaverton $ 150.00
Washington High School Associated Students, Portland 475.00
Colton High School Alumni Association, Molalla 100.00
Fanning Chevrolet Company, Gresham 100.00
North Salem High School Girls League, Salem 100.00
Phi Beta Alumnae, Eugene 130.00
Ricketts Music Store, Inc., Roseburg 125.00
Elks Lodge No. 1972, Sweet Home 100.00
Oregon State Employees Association, Salem 140.00
Elks Lodge No. 326, Roseburg 750.00
PEO Sisterhood, Chapter BF, The Dailes 300.00
L & H Lumber Company through the Sutherlin High School Parent Teacher Student Association 170.00
Oregon Collectors Association, Portland 500.00

City of Eugene
Grant of $750 from the City of Eugene for a "study to be made by the University on the feasibility of adopting 'program budgeting' in the budgetary system of Eugene", August 29, 1962, through April 1, 1963, under the direction of Dr. Wesley Ballaine, Director of the Bureau of Business Research.

State Board of Education
Grant of $54,123 through the Oregon State Board of Education from funds received through The Fund for the Advancement of Education of The Ford Foundation to be used "for teacher education and school improvement in the Eugene, Bethel, Springfield and Roseburg school districts", September 1, 1962, through August 31, 1963, under the direction of Dr. Paul B. Jacobson, Dean of the School of Education.

General Electric Foundation
Grant of $5,000 from the General Electric Foundation, Ossining, New York, "to be applied to work being carried on by Dr. Ray Hyman, Associate Professor of Psychology, University of Oregon, in his study of factors which inhibit or stimulate creative aspects of problem solving", September 1, 1962, through August 31, 1963, under the direction of Dr. Hyman.

The Maurice and Laura Falk Foundation
Grant of $15,000 from the Maurice and Laura Falk Foundation, Pittsburgh, Pennsylvania, "in continued support of an undergraduate program of education for participation in American politics", July 1, 1962, through June 30, 1963, under the direction of Dr. Lester G. Seligman, Associate Professor of Political Science.

National Science Foundation
Grants totaling $258,800.00 from the National Science Foundation, Washington, D.C., for research, equipment and other purposes, as follows:

1. $144,000 - "Growth, Mutation and Recombination in Bacteriophage", September 1, 1962, through August 31, 1965, under the direction of Dr. Franklin W. Stahl, Associate Professor of Biology.
2. $25,000 - "Equipment grant for use in the Chemistry Department", September 18, 1962, through September 30, 1964, under the direction of Dr. Francis J. Reithel, Head of the Department of Chemistry.

3. $68,200 - "Aromatic Molecules Containing Functional Groups Internal to the Pi-Electron System", September 1, 1962, through August 31, 1965, under the direction of Dr. Virgil Boekelheide, Professor of Chemistry.

4. $21,600 - "The Total Synthesis of Dihydroechitamine", September 1, 1962, through August 31, 1965, under the direction of Dr. Lloyd J. Dolby, Assistant Professor of Chemistry.

U. S. Office of Education

Grants totaling $589,116.00 from the U. S. Office of Education for research, training grants, and other purposes, as follows:

1. $102,866 - "Educational Innovations in the Community", September 1, 1962, through August 31, 1965, under the direction of Dr. Robert Agger, Associate Professor of Political Science.

2. $68,750 - "Educational Decision Making in the Local Community", September 1, 1962, through August 31, 1964, under the direction of Dr. Roland J. Pellegrin, Director of the Institute of Community Studies and Professor of Sociology, and Dr. Keith Goldhammer, Director of the Bureau of Educational Research and Professor of Education.

3. $167,500 - "National Defense Graduate Fellowships Program", September 1, 1962, through August 31, 1963, under the direction of the deans and department heads of the schools and departments concerned. The funds are provided for the following: Mathematics, $10,000; Economics $10,000; History $17,500; Physics, $5,000; Anthropology, $17,500; Geology, $7,500; Political Science, $10,000; Sociology, $20,000; Foreign Languages, $22,500; Education, $15,000; Linguistics and Medieval Literature, $7,500; and Contemporary Literature, $25,000.

4. $250,000 - "A Sequential Curriculum in Language, Reading, and Composition (Oral and Written), Grades 7 through 12", September 1, 1962, through August 31, 1967, under the direction of Dr. Albert R. Kitzhaber, Professor of English.

U. S. Navy Dept.
Office of Naval Research

Grant of $27,653 from the U. S. Navy Department, Office of Naval Research, for research entitled, "Dynamics of Bloch Electrons in Solids", September 1, 1962, through August 31, 1963, under the direction of Dr. Gregory H. Wannier, Professor of Physics.
Grant of $3,826.58 from the U. S. Air Force to provide flight instruction to seven students, September 17, 1962, through June 30, 1963, under the direction of Lt. Col. John W. Kocher, Head of Military and Air Science.

Grants totaling $48,498.00 from the U. S. Public Health Service for research, fellowships, and other purposes, as follows:

1. $24,610 - "Applying Reinforcement Theory to Socialization of the Child", September 1, 1962, through August 31, 1963, under the direction of Dr. Gerald R. Patterson, Assistant Professor of Psychology.

2. $3,788 - "Relation of Ion Transport to Membrane Structure", September 1, 1962, through March 31, 1963, under the direction of Dr. B. T. Scheer, Head, Department of Biology.

3. $3,900 - "Predoctoral fellowship grant on behalf of Mr. James E. Crandall", September 1, 1962, through May 31, 1963, under the direction of Dr. Fred Attneave, Professor of Psychology.

4. $5,700 - "Predoctoral fellowship grant on behalf of Mr. Robert Jay King", October 1, 1962, through September 30, 1963, under the direction of Dr. Richard A. Littman, Professor of Psychology.

5. $5,500 - "Predoctoral fellowship grant on behalf of Mrs. Lila J. McQueen", October 1, 1962, through September 30, 1963, under the direction of Dr. Leona Tyler, Professor of Psychology.

6. $5,000 - "Predoctoral fellowship grant on behalf of Mr. David A. Stevens", October 1, 1962, through September 30, 1963, under the direction of Dr. Robert W. Leary, Associate Professor of Psychology.

Grant of $5,753 from the U. S. Public Health Service in continued support of research entitled, "Study of Growth Rings in Teeth in Cerebral Palsy", September 1, 1962, through August 31, 1963, under the direction of Dr. Ellis B. Jump, Head of the Department of Anatomy.

Gifts totaling $2,817.00 from the following donors for scholarships and fellowships:

- Oregon League for Nursing, Portland $ 200.00
- American Business Women's Association, Rose Chapter, Portland 100.00
<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>McKenzie Willamette Memorial Hospital Women's Auxiliary, Springfield</td>
<td>$100.00</td>
</tr>
<tr>
<td>Jackson Foundation through the United States National Bank, Portland</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>The Carpenter Foundation, Medford</td>
<td>$117.00</td>
</tr>
<tr>
<td>Mr. and Mrs. Robert N. Brenner and Miss Roberta Lanouette, Milwaukie (Earl O. Miller Scholarship Fund)</td>
<td>$100.00</td>
</tr>
<tr>
<td>Pfizer Laboratories, New York City</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>Women's Auxiliary to the Jackson County Medical Society, Medford</td>
<td>$200.00</td>
</tr>
</tbody>
</table>

**Elks Lodge, Condon**

Gift of equipment, valued at $234.40, from Elks Lodge No. 1869, Condon, for use by the Outpatient Clinic. The equipment consisted of two cabinets with view box drawers and two sets of cardboard partitions.

**Beta Sigma Phi**

Gift of $569.04 from the Coquille Chapters of Beta Sigma Phi, Coos Bay, "to be used to carry on cancer research projects for the prevention of cancer."

**H. B. Davis Estate**

Bequest of $100 under the will of H. B. Davis, deceased, through the United States National Bank, Portland, for the unrestricted use of Doernbecher Memorial Hospital for Children, under the direction of Dr. Charles N. Holman, Medical Director.

**The Max and Rose Tucker Foundation**

Grant of $500 from The Max and Rose Tucker Foundation, Portland, for the unrestricted use of Doernbecher Hospital, under the direction of Dr. Holman.

**Buckley Estate**

Bequest of $35,301.30 under the will of Hulda Buckley for the unrestricted use of Doernbecher Hospital, under the direction of Dr. Holman.

**Office of Vocational Rehabilitation**

Grant of $68,583 from the Office of Vocational Rehabilitation to provide a "Teaching Grant and Traineeships in Rehabilitation Counseling", September 1, 1962, through August 31, 1963, under the direction of Dr. John L. Butler, Assistant Professor of Psychiatry.

**Oregon State Elks Association**

Grant of $5,630.30 from the Oregon State Elks Association, Visual Aids Program, Portland, "in continued support of the Children's Eye Clinic", under the direction of Dr. Kenneth C. Swan, Chairman of the Department of Ophthalmology.

**U. S. Navy Dept. Office of Naval Research**

Grant of $25,000 from the U. S. Navy Department, Office of Naval Research, Washington, D.C., for navy acoustic research under the direction of Dr. Archie Tunturi, Associate Professor of Anatomy.

**American Cancer Society, Oregon Division**

Grants totaling $19,476.00 from the American Cancer Society, Oregon Division, Portland, for research as follows:
1. $5,124 - "For Determining the Susceptibility to Viral 
Etyopathogenicity of Normal and Malignant Cells Following 
Low Temperature Preservation", under the direction of 
Dr. Prem N. Narula, Research Associate in Surgery.

2. $11,952 - "For the purpose of studying non-heme proteins in 
human erythrocytes", under the direction of Dr. Robert D. 
Koler, Associate Professor of Medicine.

3. $2,400 - "In support of post-doctoral residency traineeship 
in Pathology", under the direction of Dr. Jackson T. Crane, 
Chairman of the Department of Pathology.

Parke, Davis & 
Company

Grant of $137.58 from Parke, Davis & Company, Ann Arbor, Michigan, 
for a study on refined Asian Influenza Vaccine, under the 
direction of Dr. Joseph B. Trainer, Student Health Service Physician.

Portland Grade 
Teachers' 
Association

Gift of $270 from the Portland Grade Teachers' Association, to 
purchase equipment for Doernbecher Hospital, under the direction 
of Dr. Charles N. Holman, Medical Director.

U. S. Public 
Health Service

Grants totaling $178,965.00 from the U. S. Public Health Service 
for research, training grants, and other purposes, effective 
September 1, 1962, to August 31, 1963, unless otherwise speci- 
ified, as follows:

1. $25,500 - "Public Health Traineeship Grant", September 24, 
1962, through June 7, 1963, under the direction of Miss 
Gertrude Peterson, Assistant Professor of Nursing.

2. $33,505 - "Psycho-mimetic Drugs and Patterns of Auditory 
Cortex", under the direction of Dr. Archie R. Tunturi, 
Associate Professor of Anatomy.

3. $22,175 - "Biodynamics of the Ballistocardiogram", under 
the direction of Dr. Herbert E. Griswold, Head of the Divi-

4. $26,250 - "A Study of Suspension Stability of Blood", under 
the direction of Dr. Roy L. Swank, Head of the Division of 
Neurology.

5. $28,972 - "Mammalian Dorsal Root Ganglion Cells", under 
the direction of Dr. George M. Austin, Head of the Division of 
Neurosurgery.

6. $10,687 - "Effect of Low-Fat Diet on Multiple Sclerosis", 
under the direction of Dr. Roy L. Swank.

7. $25,000 - "Applied Hemodynamics in Cardiovascular Radio-
logy", under the direction of Dr. Charles T. Dotter, Chair-
man of the Department of Radiology.
8. $6,876 - "The Anatomy of Human Growth and Development", September 1, 1962, through August 31, 1963, under the direction of Dr. Anthony A. Pearson, Chairman of the Department of Anatomy.

**Oregon State University**

**Scholarships & Fellowships**

GIFTS TOTAlING $69,929.60 FROM THE FOLLOWING DONORS FOR SCHOLARSHIPS AND FELLOWSHIPS:

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Foundation for Pharmaceutical Education</td>
<td>$1,800.00</td>
</tr>
<tr>
<td>Washington, D.C.</td>
<td></td>
</tr>
<tr>
<td>American Legion Auxiliary, Ashland</td>
<td>300.00</td>
</tr>
<tr>
<td>Anonymous</td>
<td>200.00</td>
</tr>
<tr>
<td>Associated Blue Lake Green Bean Canners, Inc.</td>
<td>300.00</td>
</tr>
<tr>
<td>Corvallis</td>
<td></td>
</tr>
<tr>
<td>Astoria Classroom Teachers' Association</td>
<td>300.00</td>
</tr>
<tr>
<td>Auxiliary to the Professional Engineers of Oregon</td>
<td>100.00</td>
</tr>
<tr>
<td>Beane Fund through United States National Bank of Portland</td>
<td>330.00</td>
</tr>
<tr>
<td>Benton County Medical Society, Corvallis</td>
<td>500.00</td>
</tr>
<tr>
<td>Britt Memorial Scholarship Fund through Frank J. Van Dyke, Trustee, Medford</td>
<td>200.00</td>
</tr>
<tr>
<td>Mr. &amp; Mrs. Louis A. Blaser, Lebanon</td>
<td>500.00</td>
</tr>
<tr>
<td>Elks Lodge No. 1934, Brookings</td>
<td>300.00</td>
</tr>
<tr>
<td>Elks Lodge No. 1999, St. Helens</td>
<td>200.00</td>
</tr>
<tr>
<td>The Carpenter Foundation, Medford</td>
<td>1,597.00</td>
</tr>
<tr>
<td>Choral Club of Scappoose High School</td>
<td>100.00</td>
</tr>
<tr>
<td>Collins Radio Company, Cedar Rapids, Iowa</td>
<td>2,000.00</td>
</tr>
<tr>
<td>Cottage Grove High School Student Body</td>
<td>550.00</td>
</tr>
<tr>
<td>Crow Applegate Parent-Teacher Association, Veneta</td>
<td>100.00</td>
</tr>
<tr>
<td>Crown Zellerbach Foundation, San Francisco, California</td>
<td>2,500.00</td>
</tr>
<tr>
<td>Elks Lodge No. 1413, Corvallis</td>
<td>1,800.00</td>
</tr>
<tr>
<td>Elks National Foundation, Boston, Massachusetts</td>
<td>700.00</td>
</tr>
<tr>
<td>Elmira High School Parent-Teacher Club, Veneta</td>
<td>180.00</td>
</tr>
<tr>
<td>Evans Scholarship Foundation, Golf, Illinois</td>
<td>1,680.00</td>
</tr>
<tr>
<td>Firestone Tire &amp; Rubber Company, Akron, Ohio</td>
<td>210.00</td>
</tr>
<tr>
<td>The Foundation for Instrumentation Education and Research Inc., New York City</td>
<td>2,900.00</td>
</tr>
<tr>
<td>Franklin High Dads' Club, Portland</td>
<td>125.00</td>
</tr>
<tr>
<td>Freightliner Corporation, Portland</td>
<td>1,000.00</td>
</tr>
<tr>
<td>Thora B. Gardiner Junior High School Parent-Teacher Association, Oregon City</td>
<td>300.00</td>
</tr>
<tr>
<td>The General Henry H. Arnold Educational Fund, Washington, D.C.</td>
<td>400.00</td>
</tr>
<tr>
<td>Georgia-Pacific Foundation, Portland</td>
<td>1,750.00</td>
</tr>
<tr>
<td>Girls' Athletic Association of North Bend High School</td>
<td>125.00</td>
</tr>
<tr>
<td>Grand Guardian Council Order of Job's Daughters, Medford</td>
<td>300.00</td>
</tr>
</tbody>
</table>
Haines Business and Professional Women's Club, Haines, Alaska $ 100.00
Haupert Tractor Company, Medford 200.00
Hermiston High School Parent-Teacher Assn. 100.00
H-Y Club, Marshfield Senior High School, Coos Bay 125.00
Hollywood District Trust Office, Bank of America, Hollywood, California 250.00
Insured Tuition Payment Plan, through Insurance Agency, Inc., Boston, Massachusetts 990.00
Jackson County Young Farmers' Club, Medford 200.00
Junior Achievement of Portland, Inc. 300.00
Key Club of Caldwell Senior High School, Caldwell, Idaho 100.00
Kiwanis Club, Canby 100.00
Chamber of Commerce, Lebanon 100.00
Lone Pine Scholarship Fund, Maupin 100.00
Longview Fibre Company, Longview, Washington 1,800.00
Mitchell Playhouse, Corvallis 100.00
Mom and Dad Club of Sandy High School 100.00
Morrow County Schools, Heppner 600.00
Mortar Board, Corvallis 278.00
Myrtle Creek Parent-Teacher Association 300.00
National Electrical Contractors Association
Portland 250.00
National Guild of Piano Teachers, Austin, Texas 100.00
National Merit Scholarship Corp, Evanston, Illinois 3,000.00
North Salem High School, Salem 200.00
Northwest Cannery & Freezers Association, Portland 100.00
Nutrilite Foundation, Buena Park, California 1,000.00
Oregon Coast Veneer, B. cookings 900.00
Order of Eastern Star of Oregon, Cottage Grove 600.00
Oregon Industrial Arts Association, Hillsboro 300.00
The Oregon State Federation of Garden Clubs, Inc., Lake Oswego 400.00
Oregon State Grange, Portland 200.00
Oregon State University Dades' Club, Corvallis 1,700.00
Parent Teacher Club, Cottage Grove 150.00
PEO Sisterhood, Chapter A.D., Prineville 125.00
PEO Sisterhood, Chapter C.E., Newport 100.00
PEO Sisterhood, Oregon State Chapter, Medford 250.00
Philomath Education Association, Philomath 200.00
Portland Home Economics in Education 300.00
Raymond Criswell Scholarship, Portland 200.00
Rayonier Incorporated, Hoquiam, Washington 500.00
Ricketts Music Store, Inc., Roseburg 125.00
Rogue Equipment Company, Medford 100.00
Business and Professional Women's Club, Roseburg 100.00
Roseburg Public Schools 300.00
Roseburg Senior High School 100.00
The Royal Neighbor, Rock Island, Illinois 500.00
Shell Companies Foundation, Inc., New York City 2,600.00
Joseph E. Simmons Trust Fund, Corvallis 200.00
Elks Lodge #142, Portland 200.00
South Lane Education Association, Cottage Grove  
Sutherlin High School, Sutherlin  
Southern Wasco County Parent-Teacher Association,  
Maupin  
South Santiam Educational and Research Project,  
through the Oregon State University Foundation,  
Corvallis  
The Sperry and Hutchinson Company, New York City  
Texaco Inc., New York City  
Tri-Co B League Principals and Coaches  
Association, Eugene  
Max D. Tucker Trust Fund, Portland  
The United States National Bank, Portland  
Western Electric Fund, Portland  
Weyerhaeuser Company Foundation, Tacoma, Washington  
Women's Auxiliary, Good Samaritan Hospital,  
Corvallis  
Yoncalla Lions Club, Yoncalla  
Zonta Club of Boise, Boise, Idaho  
Elks Lodge No. 1845, Hermiston  
Elks Lodge No. 358, Heppner  
Elks Lodge No. 1664, Toledo  
Fannie and John Hertz Engineering Scholarship  
Foundation, Los Angeles, California  
R. M. Wade Foundation through the First National  
Bank of Oregon, Portland  
Standard Oil Company of California, San Francisco,  
California  
The Jackson Foundation through the United States  
National Bank, Portland  
Western Rod and Reel Club, Portland  
Madison High Dads' Club, Portland  
Lions Club, Mapleton  
Brookings Plywood Corporation  
Ralph L. Smith Lumber Company, Anderson,  
California  
East Anchorage High School, Anchorage, Alaska  
Girard Trust Corn Exchange Bank, Upper Darby,  
Pennsylvania  
Society National Bank of Cleveland, Cleveland, Ohio  
Degree of Honor Protective Association, St. Paul,  
Minnesota  
Kiwanis Club, Hermiston  
Samuel Wilder King Scholarship through the  
Kamehameha Schools Organizations, Honolulu,  
Hawaii  
Gardiner Parent-Teacher Association, Reedsport  
West Union Community Club  
Benson Dads' Club, Portland  
The Electric Club of Oregon, Portland  
Molalla Area Teachers Association  
General Motors Corporation, Detroit, Michigan
Gift of $1,750 from the Air Force Central Welfare Fund, Washington, D.C., to provide educational assistance loans for designated students.

Grant of $4,463 from the American Cancer Society, New York City, for research entitled, "Chemical Aspects of Insulin and Vasopressin Action in Membrane Permeability", July 1, 1962, through June 30, 1963, under the direction of Dr. Conrad T. O. Fong of the Science Research Institute.

Grant of $10,000 from the Bonneville Power Administration, Portland for "Studies of Corona Formation and Radio Interference", September 1, 1962, through September 1, 1963, under the direction of Mr. J. G. Knudsen, Assistant Dean of Engineering in charge of the Experiment Station.

Grant of $21,000 from the National Science Foundation, Washington, D.C., for research entitled, "Partial Differential and Integral Equations and Asymptotics", July 1, 1962, through June 30, 1963, under the direction of Dr. Watson Fulks, Professor of Mathematics.

Grant of $3,954 from the Oregon Heart Association, Portland, for research entitled, "The Biochemical Aspects of Insulin and Vasopressin Action on Membrane Permeability", August 1, 1962, through August 1, 1963, under the direction of Dr. Conrad T. O. Fong, Science Research Institute.

Gift of sets of scientific journals, valued at $1,368.36, from Mr. Dale E. Trout, Elm Grove, Wisconsin, for faculty and student use.

Grant of $5,448.35 from the U.S. Air Force to furnish flight instruction for Air Force ROTC cadets during the 1962-63 fiscal year, under the direction of Major Robert Dennis, Professor of Air Science.

Grant of $11,400 from the U.S. Department of Commerce, Bureau of Public Roads, for "research consisting of a study of the hydraulics of supercritical flow channel junctions for steady flow", July 1, 1962, through June 30, 1963, under the direction of Dr. F. J. Burgess, Acting Assistant Dean of Engineering.

Grant of $23,000 from the U.S. Department of the Interior for research entitled, "Nature of Biochemical Changes of Salmonids Associated with Seaward Migration", July 1, 1962, through June 30, 1963, under the direction of Dr. Frank Conte, Assistant Professor of Agricultural Chemistry.

Grants totaling $271,901.00 from the U.S. Public Health Service, for research and other purposes, effective September 1, 1962, through June 30, 1963, unless otherwise indicated, as follows:
1. $17,367 - "The Chemistry of Cheddar Cheese Flavor", July 1, 1962, through June 30, 1963, under the direction of Dr. Edgar A. Day, Associate Professor of Food Science and Technology.

2. $11,644 - "Vitamin K₅ as a Food Preservative", July 1, 1962, through June 30, 1963, under the direction of Dr. Hoya Y. Yang, Associate Professor of Food Science and Technology.

3. $16,000 - "Late Radiation Damage to Nervous System", under the direction of Dr. Ralph Bogart, Professor of Animal Science.

4. $66,615 - "Acquisition of Mass Spectrometer for Flavor Research", under the direction of Dr. Edgar A. Day.

5. $9,906 - "Studies of Influenza Virus Formation", under the direction of Dr. K. S. Pilcher, Professor of Microbiology.

6. $10,251 - "Microflora of Radiation Pasteurized Seafoods", under the direction of Dr. A. W. Anderson, Associate Professor of Microbiology.

7. $10,388 - "Synthesis of Glycosyl Phosphates", under the direction of Dr. Donald L. MacDonald, Professor, Science Research Institute.

8. $8,000 - "Metabolism and Mechanism of Radiation-Resistance in Certain Bacteria", under the direction of Dr. A. W. Anderson.

9. $6,900 - "Coulometry: Determination of Dissolved Oxygen", under the direction of Dr. Harry Freund, Professor of Chemistry.

10. $11,646 - "The Dissimilatation of Nitrate Nitrogen", under the direction of Dr. C. M. Gilmour, Professor of Microbiology.

11. $31,051 - "An Economic Evaluation of Water Pollution Control", under the direction of Dr. Emery N. Castle, Professor of Agricultural Economics.

12. $15,780 - "Comprehensive Study of Ocean Outfall Diffusers", under the direction of Dr. C. E. Behlke, Professor of Civil Engineering.

13. $12,551 - "Influence of Dissolved Oxygen on Fresh-Water Fishes", under the direction of Dr. Charles E. Warren, Associate Professor of Fish and Game Management.

14. $15,850 - "Biosynthesis and Metabolism of Terpenes", under the direction of Dr. W. D. Loomis, Associate Professor, Science Research Institute.
15. $14,030 - "Metabolism of Herbicides and Transformation Products", under the direction of Dr. Sheng C. Fang, Associate Chemist, Agricultural Chemistry.

16. $250 - "Trematode Life Cycles Involving Transennella Tantilla", September 20, 1961, through September 19, 1962, under the direction of Dr. Albert G. Canaris, Assistant Professor of Zoology.

17. $13,672 - "Comparative Enzyme and Metabolic Patterns During Development", October 1, 1962, through September 30, 1963, under the direction of Dr. Vernon H. Cheldelin, Dean of the School of Science.

Grants to Agric. Exper. Station Grants to the several Agricultural Experiment Station departments and divisions for research and other purposes, from various donors, as follows:

American Dairy Association
$7,600 - "Flavor Chemistry of Dairy Products" and "Factors affecting Activity and Flavor Production of Butter and Cheese Cultures", under the direction of Dr. W. E. Sandine, Associate Professor of Dairy Microbiology and Dr. E. A. Day, Assistant Professor of Food Science and Technology.

American Institute of Timber Construction
$100 - "Research to be conducted on five specimens of an end-joint of finger type", under the direction of Mr. James D. Snodgrass, Professor of Forest Products.

Bumble Bee Seafoods, Inc.
$1,800 - "Utilization of Marine By-Products in the Production of Nutritionally Adequate Diets for Fish Hatcheries", under the direction of Dr. D. K. Law, Assistant Professor of Food Science and Technology.

California Chemical Company
$2,000 - "The Biology and Control of Arthropods Affecting Man and Animals", under the direction of Dr. R. L. Goulding, Associate Professor of Entomology.

Chemagro Corporation
$1,000 - "Entomological Pests of Truck, Vegetable and Certain Specialty Crops", under the direction of Dr. H. H. Crowell, Associate Professor of Entomology and Dr. W. A. Frazier, Professor of Horticulture.

Columbia River Paper Company
$800 - "Sulfite Pulping of Western Larch", under the direction of Mr. Robert M. Samuels, Assistant Professor, Forest Products.

Commercial Solvents Corporation
$300 - "Effect of Nutrition of Laying Hens on Eggshell Thickness", under the direction of Dr. G. H. Arscott, Associate Professor of Poultry Science.

International Minerals and Chemical Corp.
$3,000 - "Magnesium and Potassium Fertilization", under the direction of Dr. T. L. Jackson, Professor of Soils.
Meeting #308-87

Klamath County Court
$4,000 - "Participation of the county in research activities at Klamath Experiment Station", under the direction of Mr. A. E. Gross, Associate Professor of Agronomy.

Ladino Clover Commission
$384.94 - "Research in Forage Crops", under the direction of Mr. R. M. Alexander, Assistant Director, Agricultural Research.

Northwest Canners and Freezers Association
$4,861.40 - "Blossom Drop or Pod Set of Green Beans" and "Blue Lake Pole and Bush Bean Breeding Research", under the direction of Dr. W. A. Frazier, Professor of Horticulture; Dr. R. M. Bullock, Professor of Horticulture; and Dr. R. F. Cain, Professor of Food Science and Technology.

Pacific Supply Cooperative
$2,500 - "Improving the Position of the Northwest Shipping Industry through Transportation Research", under the direction of Mr. Forrest S. Baker, Assistant in Transportation Economics.

Pennsalt Chemicals Corporation
$1,250 - "A Study of the Metabolism of Herbicides by Plants as Related to the Residue Problem", under the direction of Dr. V. H. Freed, Professor of Chemistry.

ServiSoft Co.
$1,800 - "To Investigate the Effectiveness of Silver as a Fungicide", under the direction of Dr. M. E. Corden, Associate Professor of Plant Pathology, and Dr. Roy A. Young, Professor of Plant Pathology.

United Fruit Company
$9,500 - "Soil Fungicides and Role of Pectic Enzymes in Wilt Diseases", under the direction of Dr. M. E. Corden.

U.S. D.A. Horticultural Crops Branch
$16,500 - "Study of the Factors Relating to Superficial Scald of Pears", under the direction of Dr. Elmer Hansen, Professor of Horticulture.

Western Oregon Onion Growers Association
$875 - "To support research on onion root diseases", under the direction of Dr. E. K. Vaughan, Professor of Plant Pathology.

W. R. Grace Company
$3,200 - "To Investigate the Effectiveness of Silver as a Fungicide" under the direction of Dr. E. K. Vaughan and Dr. R. A. Young, Professors of Plant Pathology, and Dr. N. D. Dobie, Associate Professor of Plant Pathology.

Portland State College

Scholarships & Fellowships
Gifts totaling $13,448.25 from the following donors for scholarships and fellowships:

American Legion Auxiliary, Dundee $ 225.00
Benson Polytechnic High School, Portland 300.00
Central Linn High School, Halsey 225.00
Century Club for Women, Inc., Portland 150.00
A. T. Culley, Portland 133.00
Dads' Club of Grant High School, Portland 112.50
Meeting #308-88

October 23, 1962

Franklin High School Student Body, Portland $ 509.75
Grant High Parent-Teacher Association, Portland 150.00
Job's Daughters, Medford 600.00
Junior Achievement of Portland, Inc. 100.00
Lodge No. 11, A. F. & A. M., Beaverton 200.00
Molalla Business & Professional Women's Club 300.00
National Honor Society of The Dalles,
The Dalles Senior High School 100.00
Oregon City Senior High School 720.00
Oregon State Chapter P.E.O. Sisterhood, Medford 250.00
Roosevelt High School Dad's Club, Portland 198.00
Royal Esquire Club of Portland 300.00
Sunset High School Dad's Club, Beaverton 300.00
Majorie Tedrow Chapter of Future Teachers of America, Coos Bay 100.00
Tektronix Foundation, Beaverton 5,000.00
United Scholarship Service for American Indian Students, Denver, Colorado 125.00
Maud E. Warwick Fund for War Orphans, Inc.
   New York City 200.00
Woman's Society of Christian Service of the Methodist Church, Grants Pass 250.00
Yasui Memorial Fund - Wy'East High School
   Hood River 100.00
Zehntbauer Foundation 200.00
Electrical Maintenance Engineers Association, Portland 300.00
Junior Chamber of Commerce, Gresham 300.00
Associated Students of Washington High School, Portland 550.00
Associated Students of Milwaukie High School, Milwaukie 100.00
Peninsula Kiwanis Club, Portland 200.00
Miss Elizabeth C. Ducey, Portland 400.00
Cleveland High School, Portland 100.00
P.E.O. Sisterhood, Roseburg 100.00
Vancouver Avenue First Baptist Church, Portland 250.00
Marcia Irwin Memorial Fund 300.00

National Institute of Mental Health
Grant of $3,116 from the National Institute of Mental Health,
Bethesda, Maryland, for research entitled, "Studies of Psychological Similarity", December 1, 1961, through November 30, 1962, under the direction of Dr. John L. Wollen, Associate Professor of Psychology.

U.S. Dept. of Health, Education and Welfare
Grant of $97,767 from the U.S. Department of Health, Education and Welfare, Office of Education, to provide for "a teaching program in Middle East languages and related subjects", July 1, 1962, through June 30, 1963, under the direction of Dr. Frederick Cox, Professor of History.
Southern Oregon College

Scholarships & Fellowships

Gifts totaling $4,884 from the following donors for scholarships and fellowships:

- Oregon Coast Veneer, Brookings $200.00
- Girls' League of Medford High School 100.00
- Grand Guardian Council of Oregon, Job's Daughters, Medford 600.00
- O.N.C.-So. Cal. Scholarship Foundation, Palo Alto, California 500.00
- Soroptimist Club, Ashland 264.00
- Rotary Club, Brookings 270.00
- Business and Professional Women's Club, Junction City 150.00
- Jackson County Young Farmers' Club, Medford 200.00
- Britt Memorial Scholarship Fund through Mr. Frank J. Van Dyke, Trustee 1,500.00
- Ralph L. Smith Lumber Company, Anderson, Calif. 350.00
- Medford Mail Tribune 150.00
- Zonta: International, Roseburg 200.00
- Student Body of Madras Union High School 200.00
- Southern Shasta Teachers Association, Anderson, California 100.00
- Future Teachers of America, Marjorie Tedrow Chapter, Marshfield Senior High School, Coos Bay 100.00

Alfred Carpenter Foundation

Grant of $3,200 from the Alfred Carpenter Foundation, Medford, "To improve teaching in colleges and universities via scholarship grants to potential college teachers to aid them in securing advanced degrees", 1962-63 academic year.

Eastern Oregon College

Scholarships & Fellowships

Gifts totaling $2,926.05 from the following donors for scholarships and fellowships:

- Baker Junior Chamber of Commerce $100.00
- Baker Soroptimist Club 264.00
- Future Teachers of America and Parent-Teacher Association, Kuna High School, Kuna, Idaho 100.00
- Fraternal Order of Eagles, Aerie No. 28, Pendleton 257.55
- Elks Lodge, No. 358, Heppner 100.00
- Heppner High School Student Body 150.00
- Hereford High School Student Body 150.00
- Inland Machinery Co., La Grande 500.00
- Mr. Marcus L. Roesch, La Grande 264.00
- Milton-Freewater Teachers' Association, Milton-Freewater 440.50
- Oregon Association Future Farmers of America, Salem 300.00
- Pendleton Rotary Club 300.00
Meeting #308-90
October 23, 1962

Morrow County OEA
Gift of $100 from Morrow County Division of the Oregon Education Association, Irrigon, to be added to the emergency loan fund.

General Extension Division

Dept. of Health Education and Welfare
Grant of $64,125 from the Department of Health, Education and Welfare, for a "Counseling and Guidance Institute", during the 1962-63 academic year, under the direction of Dr. Paul E. Watson, Director of Continuation Centers.

Laurel Ross Strandholm Educational Fund
Gift of $283.50 from the Laurel Ross Strandholm Educational Fund, Portland, to be used for student loan funds to General Extension Division students.

National Science Foundation
Grant of $1,965 from the National Science Foundation, Washington, D.C. to provide "An 8½-Month In-Service Institute in Mathematics for Elementary School Teachers", March 24, 1962, through June 30, 1963, under the direction of Dr. Richard Byrne, Associate Professor of Mathematics.

Basic Conservation Workshop
Gifts totaling $736.17 from the following donors in support of the Basic Conservation Workshop held during the summer term of 1962. It consisted of bus transportation provided for the workshop, as follows:

- Industrial Forestry Association, Portland $ 141.30
- West Coast Lumbermen's Association, Portland 282.60
- Western Pine Association, Bend 312.27

ADJOURNMENT
The meeting adjourned at 11:15 A.M.

Wm. E. Walsh, President  Earl M. Pallett, Secretary
### TABLE II
EVALUATION OF NEED FOR COOLING
BY TYPES OF USES OR SPACES IN BUILDING

<table>
<thead>
<tr>
<th>No.</th>
<th>Facility</th>
<th>Major Use</th>
<th>Occupant Den.</th>
<th>Lights and Equipment</th>
<th>Solar Effects</th>
<th>Cooling With Personal Efficiency</th>
<th>Other Than Temperature</th>
<th>Order of Need for Cooling*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(5)</td>
<td>(5)</td>
<td>(5)</td>
<td>(5)</td>
<td>(5)</td>
<td>Total Index of Need</td>
</tr>
<tr>
<td>1</td>
<td>Library</td>
<td>D,N</td>
<td>1</td>
<td>5</td>
<td>3</td>
<td>5</td>
<td>4</td>
<td>18</td>
</tr>
<tr>
<td>2</td>
<td>Museums</td>
<td>N</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>Classroom</td>
<td>D</td>
<td>3</td>
<td>4</td>
<td>2-5</td>
<td>4</td>
<td>4</td>
<td>17-20</td>
</tr>
<tr>
<td>4</td>
<td>Office</td>
<td>D</td>
<td>1</td>
<td>3</td>
<td>2-4</td>
<td>2</td>
<td>5</td>
<td>13-15</td>
</tr>
<tr>
<td>5</td>
<td>Auditorium</td>
<td>D,N</td>
<td>5</td>
<td>1</td>
<td>2</td>
<td>1-5</td>
<td>4</td>
<td>E</td>
</tr>
<tr>
<td>6</td>
<td>Physical Education</td>
<td>D,N</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>7</td>
<td>Student Center</td>
<td>D,N</td>
<td>1-3</td>
<td>2</td>
<td>2-5</td>
<td>4</td>
<td>4</td>
<td>(13-18)</td>
</tr>
<tr>
<td>8</td>
<td>Dormitory</td>
<td>N</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>9</td>
<td>M.S. Apts.</td>
<td>N</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>10</td>
<td>Classrooms</td>
<td>D</td>
<td>3</td>
<td>4</td>
<td>2-5</td>
<td>4</td>
<td>4</td>
<td>17-20</td>
</tr>
<tr>
<td>11</td>
<td>Lecture Rooms</td>
<td>D</td>
<td>5</td>
<td>4</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>21</td>
</tr>
<tr>
<td>12</td>
<td>Science Laboratory</td>
<td>D</td>
<td>1</td>
<td>3</td>
<td>2-5</td>
<td>4</td>
<td>4</td>
<td>14-17</td>
</tr>
</tbody>
</table>

* Weighted according to numbers or index shown

† Solar effect due to orientation (east, west, south, or north) and to fenestration in the amount which has been used normally.

‡ Personal efficiency, work production, and assimilation of knowledge.

§ Index indicates degree of inability of providing sufficient cooling by use of outside air. Varies also with maximum temperatures in locality.

¶ Major use during the day (D) or the evening (N).

(*) Evaluation of total is affected by "Other Than Temperature," not by cooling only.

(‡) Required also on the basis of economics of use.

A Basic criteria depend on objects, e.g. for art objects, humidity and cleanliness.

B Humidity control required, as well as double or triple glazing and heavy insulation to preclude condensation of moisture on surfaces.

C Air cleanliness and, to prevent explosions, humidity control.

E Effect on monetary return is a factor not evaluated.
<table>
<thead>
<tr>
<th>No.</th>
<th>Facility</th>
<th>Major Use</th>
<th>Occupant Density (5)</th>
<th>Lights and Equipment (5)</th>
<th>Solar Effects (5)</th>
<th>Cooling With Outside Air Efficiency (5)</th>
<th>Personal Efficiencies (5)</th>
<th>Other Than Temperature of Need</th>
<th>Total Index of Need</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Other Labs</td>
<td>D</td>
<td>1</td>
<td>2</td>
<td>3-5</td>
<td>4</td>
<td>4</td>
<td>-</td>
<td>14-16</td>
</tr>
<tr>
<td>14</td>
<td>Physical Education</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a. Gymnasium</td>
<td>D</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>-</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>b. Courts</td>
<td>N</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>c. Swimming Pools D,N</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>B</td>
<td>(5)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>d. Other, Perimeter D</td>
<td>2</td>
<td>1</td>
<td>2-4</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>9-11</td>
</tr>
<tr>
<td></td>
<td>e. Instructors D</td>
<td>D</td>
<td>1</td>
<td>1</td>
<td>1-2</td>
<td>1</td>
<td>2</td>
<td>-</td>
<td>6-7</td>
</tr>
<tr>
<td>15</td>
<td>Offices</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a. Interior</td>
<td>D</td>
<td>2</td>
<td>4</td>
<td>0</td>
<td>4</td>
<td>5</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>b. Perimeter</td>
<td>D</td>
<td>2</td>
<td>2</td>
<td>2-4</td>
<td>3</td>
<td>5</td>
<td>-</td>
<td>14-16</td>
</tr>
<tr>
<td></td>
<td>c. Instructors D</td>
<td>D</td>
<td>1</td>
<td>1</td>
<td>1-2</td>
<td>1</td>
<td>2</td>
<td>-</td>
<td>6-7</td>
</tr>
<tr>
<td>16</td>
<td>Student Centers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a. Recreational D,N</td>
<td>1</td>
<td>5</td>
<td>1-3</td>
<td>3</td>
<td>5</td>
<td>E</td>
<td>{15-17}</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b. Food Service D,N</td>
<td>D</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>E</td>
<td>{19}</td>
</tr>
<tr>
<td></td>
<td>c. Ballroom</td>
<td>N</td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>E</td>
<td>{15}</td>
</tr>
<tr>
<td></td>
<td>d. Meeting Rooms D,N</td>
<td>5</td>
<td>2</td>
<td>2-4</td>
<td>5</td>
<td>4</td>
<td></td>
<td></td>
<td>18-20</td>
</tr>
<tr>
<td>17</td>
<td>Dormitories</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a. Bedrooms</td>
<td>N</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>b. Lounges</td>
<td>D,N</td>
<td>2</td>
<td>2</td>
<td>2-4</td>
<td>2</td>
<td>4</td>
<td>-</td>
<td>12-14</td>
</tr>
<tr>
<td></td>
<td>c. Kitchens</td>
<td>D</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>5</td>
<td>3</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>d. Dining</td>
<td>D</td>
<td>3</td>
<td>2</td>
<td>2-4</td>
<td>3</td>
<td>4</td>
<td>-</td>
<td>14-16</td>
</tr>
<tr>
<td>18</td>
<td>Medical &amp; Dental</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a. Patient Rooms D,N</td>
<td>1</td>
<td>1</td>
<td>2-4</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>8-10</td>
</tr>
<tr>
<td></td>
<td>b. Clinics</td>
<td>D</td>
<td>1</td>
<td>5</td>
<td>2-4</td>
<td>4</td>
<td>5</td>
<td>-</td>
<td>17-19</td>
</tr>
<tr>
<td></td>
<td>c. Surgeeries</td>
<td>D</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>4</td>
<td>5</td>
<td>C</td>
<td>(14)</td>
</tr>
<tr>
<td></td>
<td>d. Minor Surgeries</td>
<td>D</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>4</td>
<td>5</td>
<td>C</td>
<td>(14)</td>
</tr>
<tr>
<td></td>
<td>e. Other Interior</td>
<td>D</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>3</td>
<td>5</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>f. Other</td>
<td>D</td>
<td>1</td>
<td>2</td>
<td>2-4</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>9-11</td>
</tr>
<tr>
<td>19</td>
<td>Television Studios D,N</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>4</td>
<td>5</td>
<td></td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>20</td>
<td>Locker &amp; Toilet Rooms, Corridors D,N</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

* Instructors' offices assumed occupied two hours per day between normal classroom hours of 8 a.m. to 4 p.m.
SUPPLEMENT B

OREGON STATE SYSTEM OF HIGHER EDUCATION

Proposal of Legislative Fiscal Committee for Educational Television

(Report of R. E. Lieuallen to the Committee October 5, 1962)

The report on educational television presented by Mr. Bragg and Mr. Greaves is a thoughtful and comprehensive analysis of educational television in Oregon. It provides excellent guidelines for the further development of educational television in this state and emphasizes the importance of careful planning.

The State System of Higher Education has for many years been interested in educational television and has pioneered its development here, with energetic support from community groups for both instructional and cultural programming. The involvement of the Department of Education and school districts during these early stages was minimal.

Especially during the past two years the interest of the Department of Education and of school districts has grown rapidly, and steps are being taken to facilitate their use of the network in proportion to their interests and needs. Arrangements also must be made to serve the legitimate interests of other public agencies. The Board of Higher Education is anxious to cooperate fully with all of these groups.

The report of Mr. Bragg and Mr. Greaves clearly identifies the needs of the several agencies and proposes steps to meet them. These steps include the establishment by legislative act of a "State Educational Television Council". Although this Council clearly is one appropriate structural arrangement for meeting these needs, it is possible these needs can be met adequately by existing structures and without the danger of creating some further problems.

The two most serious dangers which I envisage are: (1) Taking the responsibility for developing the educational uses of television out of the hands of existing educational bodies and placing it in the hands of a new agency; and (2) dividing the responsibility for educational media by severing educational television from the other media and technological devices such as educational radio, teaching machines, slides and films, overhead projectors, teaching consoles, and possibly closed circuit television.

The State Board of Higher Education and the State Board of Education have established a council to improve coordination of activities of mutual interest. A staff committee for educational television has been appointed by the coordinating council and is at work. Furthermore, a three-man committee of State System of Higher Education staff members is reviewing the system's administrative structure for educational television and preparing recommendations for its further development.

The Board of Higher Education has not had an opportunity to discuss the report and determine a position relative to its recommendations. It is probable that the Board will give some consideration to this report at its October meeting in La Grande.
Meeting #308 - 94

October 23, 1962

My own position at this time is that the two boards can, through their coordinating council, plan for developing educational television for Oregon without an additional administrative structure and that it would perhaps be wise to give the coordinating council an opportunity to demonstrate this ability.

In the event the proposed legislation is enacted, I strongly urge that the responsibility of the Council be limited to development and management of the physical facilities for educational television, leaving the responsibility for developing and producing instructional and cultural programs in the hands of existing educational boards.