STATE BOARD OF HIGHER EDUCATION
MINUTES OF MEETING HELD AT
COLLEGE CENTER BUILDING, PORTLAND STATE COLLEGE, PORTLAND, OREGON

January 24, 1961

MEETING #292-1  A regular meeting of the State Board of Higher Education was held at
the College Center Building, Portland State College, Portland, Oregon,
on January 24, 1961.

ROLL CALL  The meeting was called to order at 10:00 A.M., by the President of the
Board, Mr. Henry F. Cabell, and on roll call the following answered
present:

Mr. J. W. Forrester, Jr.  Mrs. Cheryl S. MacNaughton
Mr. A. S. Grant  Dr. Ralph E. Purvine
Mr. Allan Hart  Mr. Henry F. Cabell
Mr. Chas. R. Holloway, Jr.

Absent: Mr. Douglas McKeen and Mr. Wm. E. Walsh.

Others Present: Chancellor J. R. Richards; Secretary E. M. Pallett;
President A. L. Strand of Oregon State College; Acting President W. C.
Jones of the University of Oregon; President B. P. Millar of Portland
State College; President R. E. Lieuallen of Oregon College of
Education; President F. B. Bennett of Eastern Oregon College;
President E. N. Stevenson of Southern Oregon College; Dean D. W. E.
Baird of the University of Oregon Medical School; Dean H. J. Noyes
of the University of Oregon Dental School; Director W. D. Purvine of
Oregon Technical Institute; Dean J. W. Sherburne of the General
Extension Division; Dean M. Popovich of Oregon State College;
Dr. J. M. Swarthout, Dean of Faculty, Portland State College;
Mr. W. A. Zimmerman, Assistant to the Dean and Business Manager,
University of Oregon Medical School; Dr. E. C. McGill, Assistant
to the President and Director of Academic Affairs, Southern Oregon
College; Mr. Donald E. Lewis, Assistant to the President, Southern
Oregon College; Dr. W. B. Spalding, Chairman, Division of Education;
Mr. C. M. Robertson, Business Manager, Oregon State College; Mr. W. T.
Lemmon, Business Manager, Portland State College; Comptroller H. A.
Bork; Budget Director R. L. Collins; Mr. J. I. Hunderup, Assistant
to the Comptroller; and Mr. Wolf von Otterstedt, Special Assistant
Attorney General.

RE ABSENCES  Mr. McKeen and Mr. Walsh were absent for business reasons.

MINUTES APPROVED  The Board voted to dispense with the reading of the minutes of the
last regular meeting, held on December 13, 1960, and approved them
as printed in the docket.
Mr. J. W. Forrester, Jr., Chairman of the Building Committee, presented the following report:

"At the October 1960 meeting, the Board reviewed and approved a detailed scheme presented by Architects Skidmore, Owings & Merrill for the initial construction of a classroom building, a laboratory building and a heat exchanger building on the proposed new campus at Oregon Technical Institute, Klamath Falls. Authorization was given to the architects to prepare the preliminary plans for these structures.

"Yesterday, in presenting the plans for these buildings to the Committee, Director Winston Purvine and the architects indicated that it appeared desirable to construct an additional building which would house the major units of mechanical and electrical equipment needed for the classroom and laboratory buildings, and which would also serve as a soil anchor in the grading of the site.

"The architects reported that on the basis of their studies it appeared most practical to design the classroom and laboratory buildings as one-story structures with covered perimeter walks shielding exterior walls from direct sunlight. The gross area of the classroom building is expected to be approximately 37,175 square feet, including a small basement room but excluding the perimeter walks. The estimated direct construction costs, including fixed equipment items, would be approximately $629,145, or an average of $16.92 per square foot. The net assignable area of the building would be 25,300 square feet. The architects indicated that the structure would be of reinforced concrete with exposed aggregate finish on the exterior columns and perimeter walkways. The window units would be either aluminum or wood frames with obscure tempered glass and insulated panels. Facilities provided in this building would include six regular classrooms, two demonstration lecture rooms, laboratories for accounting, typing, drafting, surveying and office machines, the library, lunch room, student lounge, bookstore and faculty offices as well as the related service areas. Lockers would be installed in the corridors.

"The gross area of the laboratory building would be 22,800 square feet, excluding exterior walks. Based upon the price level expected to prevail when bids may be received late in 1961 or early in 1962, the direct construction costs of this unit, including fixed equipment, are estimated to be approximately $477,752, or $20.95 per square foot. The net assignable area of the building would be 14,950 square feet. The design characteristics would be similar to those featured in the classroom building except that there would be heavy installations of utilities to serve the electronics, physics, industrial, dental, soils-asphalt-concrete, and measurement control laboratories. Student lockers would be provided in the corridors and there would be a number of faculty offices as well as storage areas for instructional materials, and other necessary service facilities."
"The preliminary plans for both the classroom and laboratory buildings have been developed on a modular basis providing maximum flexibility in either direction and are designed to permit the construction of future additions. All of the interior partitions are non-load bearing. Consequently, they can be moved without affecting the building structure. The one-story arrangement permits minimum structural loading and convenient transfer of bulky teaching aids by instructional personnel for maximum classroom utilization.

"The heat exchanger building, to be located near the proposed cluster of hot water wells, would be constructed of concrete block walls on reinforced concrete foundations and floor slab. The package-type boiler which the Institute owns would be removed from the old campus and installed within this building for standby use in the event of interruption of the supply of hot water.

"The mechanical and electrical equipment building would be of reinforced concrete and would contain a transformer and the mechanical equipment for providing tempered air control in the instructional buildings. This structure is expected to have an area of about 2,500 square feet and is estimated to cost about $40,000.

"In describing the facilities, Director Purvine commented that the space requirements had been determined after comprehensive analyses by the Institute staff with the assistance of the Board’s Office and Dr. C. L. Huffaker, educational consultant, in order to assure maximum utilization of all instructional rooms. It was pointed out that the initial construction program would not include any facilities for curricula which are under continuing study as defined by the Board at the April 1960 meeting. The classroom and laboratory units are expected to accommodate approximately 500 students, supplementing the shop facilities on the present campus which will continue in use for a few years. The program has been developed on the basis of an estimated institutional total enrollment of 800 students but provision is made for the future expansion of the instructional facilities to accommodate an enrollment of 1,600 students.

"It was indicated that the amounts budgeted for the direct construction costs of the buildings, and the initial requirements for site grading, roads, parking, landscaping, utilities, movable equipment and construction supervision fees, would be within the $2,000,000 total requested from the 1961 Legislature for the first phase of the development of the new campus.

"At the request of the Committee, the Chancellor reviewed the six-year construction program for the Institute which was approved by the Board in July 1960 recognizing that funds for the development of physical education and administration facilities would be requested in 1963 and that funds for the remaining state-fund capital improvements, including the library and shop facilities, would be requested from the 1965 Legislature."
"Director Purvine, with the concurrence of the Chancellor, recommended that the preliminary plans for the initial construction program be approved as presented and that the appropriate Board officials be authorized to direct the architects to proceed with the final plans and specifications for the classroom and laboratory buildings and related utility facilities with funds for the cost of such planning being provided from the appropriation made by the 1959 Legislature."

"The Committee concurs in these recommendations."

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

Mr. Forrester continued:

"At the October 1960 meeting, the Board authorized Architects Hamlin & Martin to proceed with the development of the preliminary plans for the initial unit of a new Library Building at Oregon State College. It was expected that the area of the initial construction would be approximately 120,000 square feet and that provision would be made for shelving about 500,000 volumes and for seating approximately 1,600 students. Approval was given to the location of the new building north of Jefferson Street and south of the existing Library and to the general scheme for possible future additions which would increase the library area to approximately 250,000 square feet.

"Yesterday, the architects and Oregon State College officials presented the preliminary plans for the first portion of the building, indicating that the structure would contain a partial basement, four floors and a small penthouse, having a total gross area of 127,770 square feet. The proposed interior arrangements will permit a high degree of space use. More than 83 per cent of the gross area will be assignable space. The remaining area is required for walls, mechanical and electrical equipment, corridors, toilets, elevator shaft, storage and janitorial rooms. The architects indicated that the building would have a maximum capacity of 583,693 volumes, and that reader stations would be provided for a total of 1,628 persons. It was estimated that the volume capacity would be reasonably adequate to meet the needs of the institution until about 1970 when the first addition would be required. Some flexibility is available through the use of at least a part of the west wing of the existing Library.

"Because of the sloping topography on the project site, the design contemplates an entrance to the first floor level on the south side of the building for access to the reserve reading room and for various service functions. The first floor will also include stacks and reading areas for history and geography subjects, periodicals and newspapers, and will include a staff room, photography service, bindery, shipping and receiving areas. The architects indicated that the main entrance to the building, where the control desk would be located, is to be on the north side of the
second floor level. This floor will also include the card catalog area, reference area, book collections and reader spaces for literature and fine arts, education, humanities and social studies, music listening room, microfilm room, and a place for government documents. The third floor will be devoted to the technical processes and administrative offices of the library, the McDonald Room, as well as stacks and reader spaces for business and social science subjects. On the fourth floor, books and reading areas for agriculture, forestry, science and engineering subjects will be provided. On each of the four floors there will be individual study carrels and storage and toilet facilities. The mechanical and electrical equipment, including that needed for the elevator, will be located in the partial basement and small penthouse area.

"It was indicated that the structure would be of reinforced concrete, designed for either the lift slab method or conventional poured-in-place method of construction. These slabs would employ a combination of post tension and conventional mild steel reinforcing to minimize deflection under the sustained and comparatively heavy live loads. The exterior finish of the east and west walls would be of brick veneer of a color matching surrounding buildings. Aluminum sash are expected to be used in the north and south window walls as well as a portion of the east wall. A protective exterior solar and weather screen would be mounted three feet from the south and east window walls to provide physical comfort and building protection. Heat for the project is to be provided from the campus central heating plant. It is anticipated that a bid alternate will be provided to include air conditioning, if possible. The plan contemplates the initial installation of one elevator, principally for staff use, but provision is to be made for the possible installation of a second elevator for public use at such time as additional floors may be added to the building.

"The total estimated cost of the project is $2,385,000. The architects estimated that $1,847,390 would be required for direct construction costs for the basic work, equal to $14.46 per square foot. It is estimated that an additional $90,000 would be required if air conditioning equipment were to be included in the project. Funds for the Library are included as the first item of priority in the Board's request to the 1961 Legislature for capital improvements during 1961-1963.

"With the concurrence of the Chancellor, Oregon State College officials recommended the acceptance of the preliminary plans for the new Library with the understanding that final planning would be deferred until funds are appropriated for the construction of
the project. In order to meet the requirements of the Federal government which provided the advance planning funds, the Committee also recommends that the following resolution be approved:

RESOLUTION APPROVING THE COMPLETED PRELIMINARY PLANNING REPORT WITH AN ADVANCE FROM THE UNITED STATES OF AMERICA FOR LIBRARY BUILDING, OREGON STATE 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 Oregon State 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, Oregon State College, Corvallis, 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 Oregon State 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 Hamlin and Martin as the basis for detailed planning and construction of the Library Building, Oregon State College, dated January 18, 1951, in connection with Housing and Home Finance Agency Project No. P-Ore-3052 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 Hart, the following voted in favor of accepting the report and adopting the resolution as presented: Directors Forrester, Grant, Hart, Holloway, MacNaughton, Purvine and Cabell.

Those voting no: None.

The President of the Board thereupon declared the report accepted as presented and the resolution duly adopted by unanimous vote.
Mr. Forrester continued:

"Yesterday, the Chancellor advised that since preliminary plans for several proposed dormitories were to be considered by the Building Committee and programs were intended to be developed for other dormitories in the future, that it might be helpful to the Committee if it were advised of the square foot area per student for dormitory projects completed during 1960 or proposed for construction during the next two years. A comparative analysis was distributed showing the following information:

COMPARATIVE ANALYSIS OF SQUARE FOOT AREAS OF DORMITORY PROJECTS COMPLETED DURING 1960 OR PROPOSED FOR CONSTRUCTION DURING 1961-1963

<table>
<thead>
<tr>
<th>Project</th>
<th>Present Planning or Construction Status</th>
<th>Dormitory Rated Capacity</th>
<th>Approximate Gross Sq. Ft. Area per Resident</th>
<th>Approximate Net Sq. Ft. Area of Typical 2-Student Bedroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Residence Halls (exclusive of Kitchen &amp; Dining Areas):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSC Dormitory No. 4</td>
<td>Prelim. Plans</td>
<td>327</td>
<td>190</td>
<td>177</td>
</tr>
<tr>
<td>OSC West Hall</td>
<td>Completed</td>
<td>315</td>
<td>196</td>
<td>177</td>
</tr>
<tr>
<td>SOC Cascade Hall Initial Unit</td>
<td>Completed</td>
<td>215</td>
<td>200</td>
<td>150</td>
</tr>
<tr>
<td>Proposed Addition</td>
<td>Prelim. Plans</td>
<td>(125)</td>
<td>(232)*</td>
<td>(150)</td>
</tr>
<tr>
<td>BOC Addition to Hunt Hall</td>
<td>Prelim. Plans</td>
<td>(90)</td>
<td>(155)</td>
<td>(150)</td>
</tr>
<tr>
<td>OCE New Residence Hall</td>
<td>Prelim. Plans</td>
<td>99</td>
<td>210</td>
<td>161</td>
</tr>
<tr>
<td></td>
<td>Prelim. Plans</td>
<td>150</td>
<td>229</td>
<td>177</td>
</tr>
<tr>
<td>B. Dormitories (including Kitchen &amp; Dining Areas):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UO Dormitory No. 7</td>
<td>Prelim. Plans</td>
<td>360</td>
<td>214</td>
<td>142</td>
</tr>
<tr>
<td>UO Dormitory No. 5</td>
<td>Prelim. Plans</td>
<td>412</td>
<td>220</td>
<td>139</td>
</tr>
<tr>
<td>UO Dormitory No. 4</td>
<td>Under Constr.</td>
<td>412</td>
<td>232</td>
<td>139</td>
</tr>
</tbody>
</table>

*Initial unit of Cascade Hall included lounge area for proposed addition.

"The Committee recognizes that, in general, the larger the building area per student, the greater will be the average investment required per student. Consequently, larger interest and principal payments would be required, and larger operating costs would be incurred for building repairs, utilities and janitorial services. The Committee, therefore, requests that the Chancellor prepare suggested space standards for dormitories and dining facilities to be presented to the Board at a later meeting."

No Board action required.
Mr. Forrester continued:

"At the October 1960 meeting, the Board authorized Architect Robert J. Keeney to design an addition to Cascade Hall, the dormitory for 125 students completed in September 1960. It was expected that the addition would provide housing for approximately 72 more students at Southern Oregon College and would cost $290,000, of which $250,000 would be required for direct construction contracts.

"Yesterday, President Stevenson and Architect Keeney presented the preliminary plans for the project, identified as Unit C of Cascade Hall. They explained that because of the sloping terrain on the building site, it would be possible to have a daylight basement which could be partitioned to provide study bedrooms and washroom facilities for 16 students, making the total capacity of the new unit 90 students.

"The design of the proposed four-story addition, containing an area of 13,912 square feet, conforms to the architectural style of the initial building. The exterior walls, corridor walls, floor and roof slabs would be of reinforced concrete and the exterior finish would feature aluminum sash with ceramic tile spandrels and painted stucco surfaces. All toilet and shower rooms would have ceramic tile walls and floors. Ceilings in living areas would be acoustically treated, and the floors would be covered with asphalt tile except at entrances where quarry tile is specified. No kitchen or dining facilities are to be incorporated in the project since the student residents will obtain food service in the central Commons. The lounge area for this unit was constructed as a part of the original building.

"Based upon the total capacity of 90 students, plus facilities for a resident counselor and the necessary service facilities, the architect's estimate of the direct construction cost, including built-in furniture, is $262,659. The present estimate of the total project cost is $310,000, of which $290,000 is expected to be provided from bond borrowings and the remainder from institutional balances.

"With the concurrence of the Chancellor, President Stevenson recommended the acceptance of the preliminary plans and requested that authorization be given to the Board's Office to direct the architect to proceed with the preparation of final plans and specifications for this project. If legislative action permits the increase of the Board's bond ceiling, it is anticipated that construction bids will be solicited in the late spring or early summer of 1961 so that the residence hall may be completed for occupancy during the Fall Term 1962. Funds required for architectural planning fees will be provided from restricted fund balances at the College.

"The Committee concurs in the recommendations of President Stevenson and the Chancellor."

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

"At the June 1960 meeting, authorization was given to employ Architects Hewlett, Jamison & Associates to prepare an over-all scheme for possible additions to Hunt Hall, the dormitory for men at Eastern Oregon College, to increase the capacity by approximately 250 students, and to prepare preliminary plans for the first addition to accommodate approximately 100 of these students.

"Yesterday, the architects and President Bennett presented the preliminary plans for the first addition which would be contiguous to the existing west wing of Hunt Hall and which would provide housing for 99 or 113 students, depending upon whether an alternate is exercised. They indicated that a second addition could be constructed as an extension of the first addition to take care of approximately 115 more students, if desired. The area to be provided in the first increment would be either 20,850 or 22,560 square feet, based upon the construction of five floors and a small attic storage area. The average gross area per occupant would be either 210 or 200 square feet. It was indicated that the daylight basement would contain several study-bedrooms accommodating two students each, a study and recreation room, laundry, storage and service areas. On the first floor, living accommodations would be provided for 12 students and a housemother, lounge, toilet and shower facilities and other service areas. On the second, third and fourth floors, most of the area would be used for study bedrooms, with the necessary toilet and shower facilities and some additional study and recreation areas. Access to the existing dormitory would be on the second floor level with a lockable sliding door to permit controlled access if the new addition were used for women students initially rather than for men students as contemplated in the long-term plan. The study-recreation rooms in the basement and on the third and fourth floors could be used as supplemental housing if an overload were required during any term. The attic space would be used for storage. Kitchen and dining facilities are not required since the student residents would obtain food service in the existing dormitory.

"The building is designed for reinforced concrete construction with exterior plaster finish to harmonize with the existing building. Floor coverings would be asphalt tile, and the ceilings would be finished with acoustical tile. Aluminum windows and aluminum exterior doors are contemplated. The estimated direct construction cost is approximately $367,541, and the total project cost is $440,000, which is the amount indicated in the listing of self-liquidating projects reviewed by the Board at the December 1960 meeting. The project is expected to be financed from bond borrowings. The average investment per student would be $4,444 or $3,894, depending upon whether the unit is constructed for 99 or 113 residents."
"With the concurrence of the Chancellor, President Bennett recommended that the preliminary plans for the first addition be accepted and that appropriate Board officials be authorized to instruct the architects to proceed with the development of final plans and specifications for the project. Funds required for the planning are available to the institution from restricted fund balances.

"The Committee, with the approval of the Finance Committee, concurs in the recommendations presented."

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

Mr. Forrester continued:

"Yesterday, President Lieuallen and Architects Burns, Bear, McNeil & Schneider presented preliminary plans for a new dormitory for 150 students at the Oregon College of Education, as authorized at the December 1960 meeting. The proposed building will have a total area of 34,290 square feet, including a partial basement with practice or study rooms, a recreational room, and service areas. The first floor will include 15 study-bedrooms for two students each, the lounge, housemother's apartment and other service areas. The second and third floors will each accommodate 60 students. The capacity of the dormitory will be 150, for either men or women students. The dormitory will not include dining or kitchen facilities which are provided in the student center building.

"The building will be of reinforced concrete with brick exterior walls and aluminum windows. Interior partitions will be of metal studs, gypsum board lath with plaster. Toilet and shower rooms will be finished with ceramic tile. Heating will be by direct radiation, using metal covered convectors, and steam will be provided from the central heating plant.

"The estimated cost of the project is $630,000, including $523,701 for direct construction and built-in furniture. The total investment per student averages $4,200.

"President Lieuallen, with the concurrence of the Chancellor, recommended that the preliminary plans be accepted and that the architects be authorized to proceed with final plans, with funds for such work to be provided from institutional balances.

"The Committee, with the concurrence of the Finance Committee, recommends approval of the Chancellor's proposals, with the understanding that further study and modification is to be made to the plans to improve the toilet and shower facilities."

The Board adopted the report and authorized the preparation of final plans subject to the indicated improvements in toilet and shower facilities.
Mr. Forrester continued:

Expansion of Physical Education Facilities, SOC

"Included among the self-liquidating projects proposed for construction during 1961-1963, reviewed by the Board at the December 1960 meeting, is the improvement and expansion of Physical Education facilities for Southern Oregon College in the total amount of $145,000."

"Yesterday, President Stevenson recommended that $26,000 be allocated from available restricted fund balances for the construction of five asphalt tennis courts and track runways. He indicated that the new tennis courts would be located adjacent to the existing tennis courts on the campus at Southern Oregon College, and would be enclosed with wire fencing."

"With the concurrence of the Chancellor, President Stevenson recommended that the project be approved and that authorization be given to receive bids and award contracts to permit the completion of the tennis courts and track facilities during the spring of 1961."

"The Committee concurs in the recommendation."

The Board adopted the report and authorized the recommendations presented.

Mr. Forrester continued:

Authorization to Rebid Education Building Remodeling & Final Plans & Financial Program for Alterations to Friendly Hall, DO

"Yesterday, University officials presented plans prepared by Architects Wilmsen, Endicott & Unthank for alterations to the unfinished fourth floor of Friendly Hall to provide office space for 29 staff members. They advised that $38,200 had been appropriated by the Board on April 26, 1960, for the work. It was indicated that the present estimate of the cost of the project is $70,000, including $63,000 for direct construction, which for 5,061 square feet will approximate $12.45 per square foot. It was recommended that an additional $31,800 be provided from the University budget balances and that the Board's Office be empowered to receive bids and award a contract for the work."

"University representatives also reviewed the proposed remodeling of the attic of Education Hall to provide 16 offices. They reported that as a result of Board action on July 28, 1959, and January 26, 1960, $32,867 is on hand for the project, but that the construction work had not been undertaken because the bids which were received in June 1960 exceeded substantially the amount of funds available and were rejected. They stated that it was anticipated now that a rebidding would permit construction of the work at a total cost of $43,300, including $39,000 for the estimated direct construction cost, which for 3,290 square feet would be $11.85 per square foot. It was recommended that an additional $10,433 be transferred from University budget balances for the project and the Board's Office be empowered to receive bids and award a contract for the construction."
"Assurance was given by the University Business Manager that engineers had studied both Friendly Hall and Education Hall and had advised that both of the buildings were structurally sound and would accommodate the proposed remodeling. The University also indicated that because of the long-term future use of the buildings, the expenditure of funds would be warranted.

"The Committee concurs in the recommendations of the University officials, which were endorsed by the Chancellor, that the plans for Friendly Hall be approved, that a transfer of University balances be authorized in the amount needed but not to exceed $42,233, and that authorization be granted the Board's Office to receive bids and award construction contracts."

The Board adopted the report and approved the recommendations with the understanding that contract awards may be made by the appropriate Board officials if the total cost of the two projects does not exceed the sum of $113,300. Funds budgeted for one project may be transferred to the other provided that the total cost of the two projects combined is not exceeded and the cost for either project does not exceed the estimate by more than a small amount. If such contract awards cannot be made under these provisions, a further recommendation should be presented to the Board for consideration at a future meeting.

Mr. Forrester continued:

"At the April 26, 1960, Board meeting when final plans for Classroom Building-South at Portland State College were approved, the Board requested an opportunity to review the design for the functional screen to be mounted on the outside of the west wall of the building. Architects Stewart & Richardson were authorized to commission Mr. Tom Hardy to submit designs for this screen.

"Yesterday, President Millar and Mr. Hardy described the design of the sculptured screen. This screen is to be fabricated from sheets and bars of bronze and each of the eight panels will be bolted to the building at each end and fastened to the aluminum mullions by spacers and pins. The screen will be welded and forged with each of the 6'9"" by 18' panels weighing approximately 700 to 800 pounds.

"The Committee recommends that the design be approved and that authorization be given to the architects to proceed with the completion and installation of the screen."

The Board approved the design and authorized the recommendations as presented.
Mr. Forrester continued:

"Included in the Board's tentative building program for the 1963-1965 biennium, approved at the July 1960 meeting, is an addition to the Crippled Children's Division Building on the campus of the University of Oregon Medical School, estimated to cost $65,000. The new work contemplates the completion of an area of about 2,770 square feet of the existing deck on the second floor of the building to provide office, storage, and additional classroom space. In addition, the Medical School proposed remodeling in the existing building with a total cost of $13,000.

"Yesterday, Dean Baird, with the concurrence of the Chancellor, recommended that Architects Burns, Bear, McNeil & Schneider, who designed the original building, be appointed as architects for the proposed addition and alterations work, and also recommended that authorization be granted to direct the preparation of preliminary plans. The total fee to the architects for complete services would be 8 per cent of the direct construction cost, and will include 2 per cent for the preparation of preliminary plans. Funds for the preliminary plans will be provided from the Crippled Children's Division budget.

"The Committee, with the concurrence of the Finance Committee, recommends approval of the Chancellor's recommendations."

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

Mr. Forrester continued:

"President Strand reported that as a separate item for Finance Committee consideration there was a recommendation to accept a grant of $200,000 from the National Science Foundation toward the construction of a computer. He stated that the acceptance of the grant contemplated that a Computer Research Center, estimated to involve a total cost of $350,000, would be provided. The Chancellor indicated that at present it was intended to provide the $350,000 through favorable legislative action on a request authorized by the Board in July 1960 for $1,000,000 for special projects conditional upon receipt of equal or greater gift and grant funds.

"Dr. A. T. Lonseth, Chairman of the Department of Mathematics at Oregon State College, explained the program contemplated by the institution for the construction and operation of the computer which is expected to be used principally for instruction and research.

"President Strand, with the concurrence of the Chancellor, recommended that authorization be given to employ Architect Herman Brookman, Portland, for the project in collaboration with Associate Architects Wilmsen, Endicott & Unthank of Eugene. The professional service fee for the complete program would be 6.0 per cent.
of the cost of direct construction including 1.2 per cent for preparation of preliminary plans. With an estimated direct construction cost of $300,000, the fee would be $3,600. Because of the highly specialized requirements of the computer to be constructed and housed in the building, it was further requested that an additional $2,400 be provided for travel expenses to inspect comparable computing centers in the United States. It was recommended that the total amount of $6,000 to cover preliminary plans and travel be provided from the Board’s Unappropriated Fund.

"The Committee, with the approval of the Finance Committee, concurs in the recommendations of the Chancellor for the employment of architects and for the appropriation of funds as indicated."

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

Mr. Forrester continued:

“Acting President Jones, with the concurrence of the Chancellor, recommended the purchase at the option price of the Edmiston property located within the University of Oregon campus boundaries at 1741 East Fifteenth Avenue, Eugene, as part of the site needed for Dormitory No. 7. The property consists of a lot 60 feet by 133.4 feet on which is located a seven-room house and garage.

"Three appraisals on the property were secured: $13,800, $13,500, and $11,500, with an average of $12,933. An option for $13,500 has been obtained.

"The Committee, with the assent of the Finance Committee, recommends the purchase of the property at the option price of $13,500 with funds to come from the Board’s Land Purchase Reserve."

The Board adopted the report and approved the property purchase as recommended.

Mr. Forrester continued:

“Acting President Jones, with the concurrence of the Chancellor, recommended the purchase at the option price of the Hawley property located within the University of Oregon campus boundaries at 1481 Columbia Street and needed as part of the site for Dormitory No. 7. The property consists of a lot 66.7 feet by 100 feet on which is located a one-bedroom house with a carport.

"Three appraisals on the property were secured: $10,000, $8,500, and $8,000, with an average of $8,833. An option for $9,500 has been obtained.

"The Committee, with the assent of the Finance Committee, recommends the purchase of the property at the option price of $9,500, with funds to come from the Board’s Land Purchase Reserve."

The Board adopted the report and approved the property purchase as recommended.
Mr. Forrester concluded the Building Committee report with the following:

"Acting President Jones, with the concurrence of the Chancellor, recommended the purchase at the option price of the Bennett property located at 1704-1706 Seventeenth Avenue East, which is outside the approved campus boundaries but is within the proposed campus expansion area. The property consists of a lot 50 feet by 110 feet on which is located a duplex. Each unit has two bedrooms, a living room, dinette, kitchen and bath and is heated by electricity. The property is in excellent condition.

"Two appraisals on the property were secured: $22,000 and $18,500, for an average of $20,250. An option for $19,000 has been obtained.

"It was recommended that the property be purchased for use as rental property until such time as it is needed for building purposes. Funds for the purchase are to come from the University Property Rental Account.

"The Committee, with the concurrence of the Finance Committee, recommends the purchase of the property in accordance with the terms indicated above."

The Board adopted the report and approved the property purchase as recommended, with the understanding that the purchase of this property is not to be construed as an indication of either official approval or disapproval of the University proposal to expand the campus boundaries to include this property and other properties to the south and east of the existing boundaries.

Mr. Chas. R. Holloway, Jr., a member of the Finance Committee, presented the following report:

"It was reported that the Interinstitutional Fee and Dormitory Committee recommended the following changes in the fees and room and board charges for the 1961 Summer Session and the academic year 1961-62:

1. Increase the total fees for full-time registrants in the 1961 Summer Sessions from $85 to $90, which is the same charge made during the current academic year. The increase is to be allocated to the student union fee, consistent with the program approved a year ago and contemplated in the budget for the 1961 Summer Session approved by the Board at the December 1960 meeting.

2. Increase the fees $3.00 per term at the University of Oregon Medical School and Dental School to recognize increased costs of medical service offered students at these two institutions."
3. Increase dormitory charges $2.00 per student per month at all institutions to recognize higher costs for labor and for food. At the University of Oregon and Oregon State College, with multiple room occupancy, on the basis of approximately eight months in a school year, the total room and board charges will be about $688.

4. Increase the dormitory deposit from $15 to $50 at the University of Oregon and Oregon State College and from $10 to $30 at the regional colleges and Oregon Technical Institute, and establish a deadline not later than August 15 for the cancellation of room reservations and for the refunding of deposits. The intent of these recommendations is to assure the maximum practical degree of occupancy of institutional dormitories. At present, room applicants frequently fail to occupy the space reserved for them and forfeit the nominal deposit. Recessignment of the reserved space cannot be effected at that time because of the late date.

5. Increase the board charge on a five-day week basis during the Summer Session from $90 to $97.50 for the regular eight-week session.

6. Make other minor adjustments in the schedule of charges for tuition, fees, state scholarships, board and room charges, married family housing charges, etc., approved by the Chancellor and Comptroller and incorporated in the fee book.

"The Committee endorses the recommendations indicated above."

The Board adopted the report and approved the recommendations presented.

Mr. Holloway continued:

"President Strand and the Chancellor advised that a proposed project had been developed with the National Science Foundation for constructing and housing a computer to be known as "MADAC III", a mathematical analyzer, numerical integrator, and calculator. The project, as developed to date, contemplates that the construction of the computer and auxiliary equipment would cost $500,000, and the building $350,000. The National Science Foundation program provides funds for equipment but not for the building. The initial grant of $200,000 offered by the National Science Foundation is intended to finance equipment construction expected to be undertaken through June 1962. The program further provides for supplementary grants to provide the total of $500,000. Supplementary grants, expected to be available in 1961-62, however, are conditional upon evidence of cooperative participation by the state in providing building space."
"The Chancellor recommended, therefore, that authorization be given to accept the $200,000 grant and that the Board reaffirm to the Legislature its request for a $1,000,000 appropriation for special projects conditional upon receipt of equal or greater gift and grant funds.

"The Committee, with the concurrence of the Building Committee, concurs in the recommendation to accept the grant."

The Board adopted the report and approved the recommendations presented.

Mr. Holloway continued:

"The Chancellor indicated yesterday that the Board's self-liquidating building program for the next biennium provides for an expansion and replacement of health service facilities at several of the institutions. He stated that in consultation with Dr. Ralph E. Purvine, Board Member, it had been determined that it would be advisable at this time to make a survey of the existing and contemplated future facilities and practices at each of the institutions. The Chancellor proposed that authorization be given to enter into a contract with Dr. Frank Robertson of San Diego State College to make a study and prepare a report incorporating recommendations, and that $2,500 be provided from the Board's Unappropriated Fund to cover the cost of professional services and expenses.

"The Committee concurs in the Chancellor's recommendation."

The Board adopted the report and approved the recommendations presented.

Mr. Holloway concluded the Finance Committee report with the following:

"Yesterday, President Strand and the administrator of the Forest Research Center appeared before the Committee and stated that the Forest Protection and Conservation Committee and the State Board of Forestry proposed to co-sponsor legislation which would transfer the control and plant of the Oregon Forest Research Laboratory adjacent to the campus of Oregon State College to the Board of Higher Education. They indicated that this conclusion had been reached after extensive study and that the forest industry was satisfied with the arrangement.

"The proposed legislation directs:

1. Transfer of ownership and administration of the complete forest products research facility, including land, buildings, equipment, staff and all sources of income, to the State Board of Higher Education.

2. Establishment, by the Board, of a Forest Research Laboratory at Oregon State College to take the place of the presently named Oregon Forest Products Research Center."
3. Establishment, by the Board, of two advisory committees composed of representatives of the forest industry to give counsel in forest management research and forest products research.

"President Strand reported that the Forest Research Laboratory, under this program would become a part of the Forest Research Division of the Agricultural Experiment Station.

"The Committee expressed appreciation for the report."

No Board action required.

CURRICULUM COMMITTEE REPORT

Mrs. Cheryl S. MacNaughton, Chairman of the Committee on Curricula, presented the following report:

1961-62 Curricular Changes

"As is customary, the annual course changes proposed by all of the institutions for 1961-62 were submitted for consideration yesterday to the Committee on Curricula. Prior to the meeting of the Committee, these changes were circulated among the institutions, certain adjustments were made in the Chancellor's Office, and these modifications were indicated in marked copies submitted to members of the Committee.

"Yesterday, the Committee spent several hours with the Chancellor and the institutional executives going over the curricular modifications desired for the coming academic year. Full discussion took place with regard to the specific requests made by each institutional executive and the modifications that were made by the Chancellor in keeping with the Board's regulation in regard to allocation of major areas of concentration.

"A substantial number of course changes resulted from the standardization of course numbers and titles which came about through inter-institutional agreements. These routine changes were approved by the Chancellor and were submitted to the Committee for confirmation.

"Major course changes at Oregon State College involved several new courses or sequences in the fields of general science, entomology, mathematics, natural resources, oceanography, statistics, zoology, range management, chemical, electrical and mechanical engineering, forest products, textiles, and foods. The five-year curriculum in pharmacy was revised to include a year of pre-pharmacy. Revision of the undergraduate work together with new graduate work in the five departments of the school resulted in a substantial number of course revisions.

"At the University of Oregon, major course changes included a few new courses needed to implement the honors college program, expansion of course offerings in the fields of anthropology and political science, and a reorganization of the course work in Greek and Latin. In addition, authority for the School of Education to offer major graduate work in the field of counseling leading to advanced degrees
was requested, and authorization was sought to enable the University to change its R.O.T.C. two-year basic courses from required to optional status. The Chancellor indicated that he had disapproved the request for major counseling work at the University because present Board allocations appeared to assign that area to the School of Education at Oregon State College. He indicated also that he was recommending that the change in the status of R.O.T.C. work at the University be taken under consideration for a year.

"In discussing these changes, Acting President Jones pointed out that the original allocation in counseling was made by the Board shortly after the creation of the State System and that many changes had taken place in the broad field of counseling since that time. He indicated that the major work supporting this allocation is now offered at the University of Oregon. In regard to the proposal for optional R.O.T.C. training, he explained and supported the position of the University of Oregon faculty. Mr. Edgar W. Smith, Civilian Aide to the Secretary of the Army, gave his interpretation of the position of the Army in regard to optional versus required R.O.T.C. training.

"At the University of Oregon Dental School, two new master of science degree programs were proposed—one in dental materials and the other in orthodontia. A few supporting courses were requested.

"The University of Oregon Medical School proposed a few minor course changes.

"At Oregon College of Education, Southern Oregon College, and Eastern Oregon College most of the recommended course changes were designed to implement programs previously approved. The institutions proposed that the requirements for the Bachelor of Arts and Bachelor of Science degrees in secondary education be changed so that the student would choose as his major field of study science—mathematics, social science, or humanities. Present degree requirements provide that the major be in the field of education.

"At Oregon Technical Institute, two inactive curricula were dropped—one in chemical technology and the other in technical illustration. All certificate curricula have been upgraded to meet the associate degree requirements.

"At Portland State College, new undergraduate courses were proposed in the divisions of education, humanities, science, and social science. Also proposed was a new degree program in the field of earth sciences, with supporting courses in geology to implement the program over the next three years. Requested also were two interdisciplinary programs—one in Middle East Studies and one in Urban Studies. Students would complete their degrees in the General Studies degree program already authorized by the Board.
"In accordance with the request of the Board in 1958, Portland State College officials also presented programs leading to the master of science and master of arts degrees in education. These programs were the result of two years of careful planning by the faculty, and the presentation at this meeting reflected the timing anticipated by the Board. However, the new degree programs were not requested at this time for 1961-62 because in the judgment of Portland State College officials and the Chancellor the additional funds necessary to implement the program would probably not be available during the coming biennium.

"The Committee on Curricula recommends that the course additions, deletions and changes as presented in the curricular documents submitted to the Board be approved with the exception of the request of Oregon State College to change AA 221, Construction Theory, 3 hours, to AA 369, Theory of Structures I, 4 hours."

The Board adopted the report and approved the recommendations with the understanding that during the current year the Board's Office would make a detailed study and report of the curricula and courses in counseling and guidance and in physical education offered at the several institutions. With reference to the master of arts and master of science degree programs in education informally presented by Portland State College, the Board stated that it wanted to go on record at this time as approving the principle of offering master's degree programs at the College. Should the 1961 legislative appropriation be adequate to cover their implementation, official consideration will be given the programs at a later Board meeting.

President Cabell called attention to the list of official Board meetings for the balance of 1961 as printed in the docket. He made special reference to the next meeting of the Board scheduled for March 13 and 14 at the University of Oregon in Eugene.

The Chancellor announced that, effective with the fall term of 1961-62, all freshmen entering State System institutions except Eastern Oregon College and Oregon Technical Institute will be required to take the College Entrance Board examinations for placement purposes. In his report, the Chancellor summarized the factors which prompted the adoption of this testing program:

"Faculty advisors in the institutions under the control of the Board need to know the relative ability of entering students in mathematics, the sciences, English, and foreign languages in order to place them in the proper courses at registration time. When the institutions were small, this information was secured through placement examinations which were given on the respective campuses during freshman week. The increase in size of the institutions and the increase in number of entering freshmen made it impossible a few years ago on the larger campuses to continue to give these examinations during the freshman week period and score them in time to be of any practical use to the advisors."
"A few years ago, a placement test battery was selected and entering students were given the opportunity to take these tests during the summer months prior to the opening of the fall term. This arrangement reduced the congestion during freshman week on the larger campuses to some extent, but was not satisfactory because only about one-third of the entering students took the examinations before the opening of the school term. In addition, experience with the selected battery indicated that the tests were not sufficiently discriminatory in the upper and lower ranges. This factor is very important now because of the programs of study being established in the institutions for the superior students and the necessity of selecting the students to enter these programs.

"In order to meet this situation, officials of the state-supported institutions, with the exception of Eastern Oregon College and Oregon Technical Institute, are planning to require for placement testing purposes that all freshmen students entering September 1961 take the College Entrance Board examinations during the spring and summer months of 1961. These examinations in general ability, mathematics, sciences, English, and foreign languages are excellent throughout their entire range and will be very useful for placement testing purposes. The examinations are offered in Oregon at periodic intervals during the spring and summer months in announced centers throughout the state. Students planning to enter one of the state institutions in September 1961 and thereafter will have no difficulty in arranging for the examinations. In addition, the examinations are offered on a national basis, and the same examination can be required of entering students from out of state.

"The use of this national, uniform examination will be very beneficial to the advisers and to the entering students in the respective institutions. The results of the examinations will be available prior to freshman week and will be in the hands of the advisers at the time these students register. By the use of these tests, the students can be assigned more accurately to the particular course sections that correspond with their respective abilities.

"It is not planned to use the College Entrance Board examinations as a basis for the admission of students except to the extent that they are used at the present time. Students desiring to enter from Oregon high schools who have a grade-point average below a "C" at the present time may secure admission by making the proper score on the general ability test included in the College Entrance Board examinations. It is planned to continue this procedure. If at some time in the future the grade-point average on the high school record required for entrance is raised, it is anticipated that the score required on the general ability test will be increased accordingly."

Appointment of D. D. Parker

The Chancellor announced the appointment, effective July 1, 1961, of Dr. Donald D. Parker as Chairman of the Division of Business Administration at Portland State College. Currently, Dr. Parker is on the staff of the University of Washington as Associate Professor of Business Administration and Director of the Bureau of Business Research. Details of his appointment to Portland State College will be included in the 1961-62 annual budget.
The Chancellor reported that considerable progress had been made in securing the removal of clauses restricting membership on the basis of race or religion from the national charters of fraternities and sororities located on the campuses of Oregon State College and the University of Oregon. He indicated, however, that the two institutions felt that it would be advantageous to have a deadline date after which a fraternity or sorority would no longer be recognized if its charter still contained such restrictive clauses. After a short discussion, the Board unanimously passed the following resolution:

RESOLUTION

The Board, recognizing that gratifying progress has been made during the past two years toward the elimination of racial and religious restrictions from the national charters of fraternities and sororities having chapters at the University of Oregon and Oregon State College, believes that in view of this progress it should be possible to secure the elimination of the few remaining such restrictions within the coming two years. Therefore, the Board now directs that after January 1, 1963, the University and Oregon State College shall withdraw recognition of any fraternity or sorority whose national charter then requires local chapters to restrict their membership on the basis of race or religion.
BUILDINGS, GROUNDS AND CAPITAL OUTLAY

**Item 1**

Pursuant to authorization granted by the Board at the April 26, 1960, meeting, bids were received in March 1961, for the remodeling of Jessica Todd Hall, the dormitory for women at Oregon College of Education. Fifteen bids were received, ranging from $31,686 to $41,960. The low bid was considerably below the cost allowance indicated to Architect J. Warren Carkin, and Board officials awarded a construction contract to the low bidder, R. L. Forster & Son of Salem. The budget for the project is as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Construction</td>
<td>$ 31,686</td>
</tr>
<tr>
<td>Architect's Fees</td>
<td>2,218</td>
</tr>
<tr>
<td>Furnishings and Equipment</td>
<td>6,680</td>
</tr>
<tr>
<td>Advertising, Supervision, Legal and Miscellaneous Costs</td>
<td>1,247</td>
</tr>
<tr>
<td>Contingencies (10% of direct construction cost)</td>
<td>3,169</td>
</tr>
<tr>
<td><strong>Total Project Cost</strong></td>
<td><strong>$ 45,000</strong></td>
</tr>
</tbody>
</table>

The total project cost is to be financed from Series 1959A general obligation bonds.

The remodeling involves the converting of approximately 4,450 square feet formerly used for food services into housing accommodations for 21 additional women students and enlarging the lounge facilities. Food service for all dormitory residents is being provided in the new Student Center-Commons Building.

The Board confirmed the contract awards as presented.

**Item 2**

On January 11, the Comptroller inspected and accepted, subject to the completion of a few minor items, the work of the contractor covering the Addition and Remodeling of the Health Service Building at Oregon State College. Plans for the building were prepared by Architects Jeppsen and Miller of Corvallis, and construction began in March 1960. The new three-story wing, attached to the center of the original building on the west side, is of reinforced concrete construction with brick facing, providing an additional area of 12,990 square feet for hospital bedrooms, office spaces, medical examination rooms and related service areas. The project includes the remodeling of approximately 3,420 square feet within the original building to improve central reception areas, offices, food service facilities, and so forth. The total hospital bed capacity has been increased from 28 to 42 student patients.

Project costs were as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Work - Robert C. Wilson, Corvallis</td>
<td>$ 154,923</td>
</tr>
<tr>
<td>Mechanical Work - Scott Plumbing Company, Lebanon</td>
<td>47,286</td>
</tr>
<tr>
<td>Electrical Work - L. E. Morris Electric Co., Eugene</td>
<td>27,921</td>
</tr>
<tr>
<td><strong>Total Direct Construction</strong></td>
<td><strong>$ 230,130</strong></td>
</tr>
</tbody>
</table>
Architects' Fees, including Engineering Services  $13,233
Construction Supervision  3,594
Movable Equipment  30,000
Utility Connections, Landscaping and Other  
Miscellaneous Costs  13,043
Total Project Costs  $290,000

The project was financed from a portion of the proceeds received from the sale of general obligation bonds, Series 1959A.

The Board confirmed the action accepting the Addition and Remodeling to the Health Service.

Item 3
Report of Inspection and Acceptance of Alterations and Addition to Hoke Hall, EOC

On January 9, the Chairman of the Building Committee and the Secretary of the State Board of Higher Education inspected and accepted the work of the contractor for the Alterations and Addition to Hoke Hall at Eastern Oregon College. Plans for the project, which began in March 1960, were prepared by Architects Hayslip, Tuft, Hewlett & Jamison of Portland. The addition is attached to the south side of the building and provides a new area of 8,956 square feet, including two general purpose classrooms, an engineering drafting room, a biology classroom-laboratory combination, all within the basement or ground level, and an increased area for the multi-purpose room on the main floor. Extensive renovations have improved the existing classrooms, faculty offices and student activities facilities by acoustically treating certain areas, providing better ventilation, improving the lighting and correcting the exits to meet the requirements of the Fire Marshal.

Project costs were as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Construction - Schrader Construction Company, Inc., Portland</td>
<td>$148,413</td>
</tr>
<tr>
<td>Architects' Fees</td>
<td>9,645</td>
</tr>
<tr>
<td>Furnishings and Equipment, Landscaping and Miscellaneous Costs</td>
<td>23,242</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$181,300</strong></td>
</tr>
</tbody>
</table>

The sources of funds included an appropriation of $155,000 by the 1959 State Legislature, $950 for preliminary planning from the Board's Unrestricted Funds, and $25,350 from institutional restricted fund balances (student union, book store, and snack bar).

The Board confirmed the action accepting the Alterations and Addition to Hoke Hall.

Item 4
Report on Condemnation of Marshall Property, PSC

At the time of the October 1960 Board meeting, a report was made of the court judgment in the condemnation of the Marshall property at 715 Southwest Hall Street, Portland, for Portland State College. As directed by the Board, a notice of appeal and motion for extension of time to file a transcript was made with the court. A transcript of the trial testimony and proceedings was received and evaluated by Directors Walsh and Hart on behalf of the Executive Committee. Since said directors concluded that an appeal for a hearing or a retrial would not be advisable and that the pending appeal should be terminated, the Executive Committee authorized a termination of the appeal. The Board's attorney acted accordingly.

The Board confirmed the action of the Executive Committee in terminating the appeal.
Item 5
The Board approved the transfer of $4,566 from the Reserve for Increased Enrolment to the following Dental School accounts:

<table>
<thead>
<tr>
<th>Transfers for Increased Enrolment, UODS</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Office</td>
<td>$1,500</td>
</tr>
<tr>
<td>Registrar's Office</td>
<td>1,500</td>
</tr>
<tr>
<td>Library Books and Bindings</td>
<td>163</td>
</tr>
<tr>
<td>Oral Pathology</td>
<td>1,403</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$4,566</strong></td>
</tr>
</tbody>
</table>

Item 6
The Board approved the transfer of $2,400 to the University of Oregon Delivery Service budget from the Operating Reserve to provide for the increased cost resulting from dumping fees being charged for the disposal of garbage and other refuse.

Item 7
The Board approved the transfer of $3,750 from the University of Oregon Reserve for Increased Enrolments to Building Repairs to cover the cost of remodeling and repairing the Physics Department student shoproom area in the present Science Building. The remodeling will increase the work area in the shop and relieve the overcrowded conditions due to added enrolment in the sciences.

Item 8
The Board approved additions to the 1960-61 operating budget for the Federal Cooperative Extension Service, as follows:

<table>
<thead>
<tr>
<th>Addition to Extension Service Budget, OSC</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>From budget balances in county extension funds carried forward at June 30, 1960 (representing principally funds being accumulated by the counties in the Extension budgets for replacements of cars assigned to the county agents for official use)</td>
<td>$107,236.26</td>
</tr>
<tr>
<td>From increase in County Certification income over the original estimate of $532,814</td>
<td>$30,851.00</td>
</tr>
<tr>
<td><strong>Total increase from county funds</strong></td>
<td><strong>$138,087.26</strong></td>
</tr>
</tbody>
</table>

Item 9
The Board approved the following budget transfers aggregating $107,902 in various Portland State College accounts, to care for increased enrolments:

<table>
<thead>
<tr>
<th>Transfer for Increased Enrolments, PSC</th>
<th>From</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reserve for Increased Enrolment</td>
<td>Operating Reserve</td>
<td>$105,616.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2,286.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$107,902.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>To: Library</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Library Books</td>
<td>$6,466.00</td>
</tr>
<tr>
<td>Business Office</td>
<td>7,532.00</td>
</tr>
<tr>
<td>Telephone Exchange</td>
<td>4,852.00</td>
</tr>
<tr>
<td>Mail Processing</td>
<td>336.00</td>
</tr>
<tr>
<td>Counseling and Student Affairs</td>
<td>100.00</td>
</tr>
<tr>
<td>Division of Humanities</td>
<td>5,302.00</td>
</tr>
<tr>
<td>Division of Education</td>
<td>24,950.00</td>
</tr>
<tr>
<td>Division of Science</td>
<td>7,000.00</td>
</tr>
<tr>
<td>Division of Social Science</td>
<td>27,214.00</td>
</tr>
<tr>
<td>Building Repairs</td>
<td>500.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$107,902.00</strong></td>
</tr>
</tbody>
</table>
### Item 10
The Board approved the following budget transfers aggregating $11,417.13 in various Oregon College of Education accounts to care for increased enrolments:

**Transfers for Increased Enrolments, OCE**

<table>
<thead>
<tr>
<th>From:</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Reserve</td>
<td>2,041.18</td>
</tr>
<tr>
<td>Reserve for Increased Enrolments</td>
<td>9,375.95</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 11,417.13</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>To:</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Library</td>
<td>1,235.00</td>
</tr>
<tr>
<td>Library Books</td>
<td>990.00</td>
</tr>
<tr>
<td>Education and Psychology</td>
<td>530.00</td>
</tr>
<tr>
<td>Campus Laboratory School</td>
<td>1,730.00</td>
</tr>
<tr>
<td>Social Science</td>
<td>652.13</td>
</tr>
<tr>
<td>Science</td>
<td>1,750.00</td>
</tr>
<tr>
<td>Music</td>
<td>1,425.00</td>
</tr>
<tr>
<td>Audio-Visual</td>
<td>2,105.00</td>
</tr>
<tr>
<td>Classroom Television</td>
<td>650.00</td>
</tr>
<tr>
<td>Cooperative Speech</td>
<td>350.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 11,417.13</strong></td>
</tr>
</tbody>
</table>

### Item 11
The Board approved the transfer of $3,150 from the Reserve for Enrolment Increases to the wage account of the University of Oregon Business Office to establish the position of Personnel Officer II, effective January 1, 1961.
Item 12  The Board approved the following personnel adjustments as submitted by the Institutional Executives concerned, the necessary funds being provided in the 1960-61 budgets:

**University of Oregon**

**Salary Increases:** Increases in salary rates for faculty members of the School of Music and the School of Architecture and Allied Arts, effective January 1, 1961, as follows:

**J. M. Gustafson,** Increase in Salary  
**Dr. John M. Gustafson,** Assistant Professor of Music Education, from $6,050 to $6,300.

**R. G. Cunningham,** Increase in Salary  
**Mr. Robert G. Cunningham,** Assistant Professor of Woodwind Instruments, from $6,000 to $6,300.

**W. Woods,** Increase in Salary  
**Mr. William Woods,** Assistant Professor of Piano, from $5,750 to $5,950.

**L. Maves, Jr.,** Increase in Salary  
**Mr. Lawrence Maves, Jr.,** Instructor in Violin, from $5,200 to $5,500.

**D. G. Foster,** Increase in Salary  
**Mr. David G. Foster,** Assistant Professor of Art, from $5,050 to $5,500.

**A. Edelman,** Increase in Salary  
**Mr. Alfred Edelman,** Instructor in Architecture, from $5,500 to $5,700.

**J. H. Quiner,** Increase in Time and Salary  
**Mr. John H. Quiner,** Special Lecturer in Architecture, increase in salary rate from $6,114 to $7,000, and increase in time from 17.5 per cent to 33 per cent time, to provide for an increased work load. (Of the $825 required for 1960-61, $632 is to be provided from unallocated funds in Architecture and $193 is to be transferred from the Salary Savings Reserve.)

The above adjustments require the transfer of $1,328.33 from the Salary Savings Reserve as follows: $700 to the School of Music and $628.33 to the School of Architecture and Allied Arts.

**University of Oregon Dental School**

**Increases in Salary**  
Increase in annual salary, effective December 1, 1960, for the following staff members; the increase is provided in the renewed U. S. Public Health Service grants under which they are employed:

**A. W. Aplin,** Increase in Salary  
**Dr. Arthur W. Aplin,** Assistant Professor of Dentistry, from $4,100 to $4,700 ($350 increase for 1960-61). The remainder of Dr. Aplin's time and salary (50 per cent and $4,500) will continue to be paid from Operative Dentistry.

**R. J. D. Trotman,** Increase in Salary  
**Dr. Ronald J. D. Trotman,** Clinical Assistant, from $1,498.70 to $1,620 ($121.30 increase for 1960-61) for 20 per cent time.
Meeting #292-28

January 24, 1961

T. Fujikura, Redistribution of Time; Increase in Salary

Redistribution of time and increase in salary for Dr. Toshio Fujikura, Instructor in Obstetrics and Gynecology and Pathology at the Medical School, effective October 1, 1960, as follows:

From: University of Oregon Medical School 1.00 $10,000

To: University of Oregon Medical School .85 $10,000
   University of Oregon Dental School .15 $1,500
   $11,500

The $1,125 required in the Dental School for 1960-61 is to be provided as follows: $625 from the Salary Savings Reserve and $500 from unallocated salary funds in General Pathology, Dean Baird concurs in this recommendation.

University of Oregon Medical School

V. D. Menashe, Decrease in Time

Decrease in time for Dr. Victor D. Menashe, Assistant Director of the Crippled Children's Division and Instructor in Pediatrics, from full time to 95 per cent time, with no change in salary, effective January 1, 1961.

O. Hintz, Increase in Salary

Increase in salary for Mr. Otto Hintz, Research Assistant, from $4,920 to $5,400, effective January 1, 1961, in recognition of his services to the open-heart surgery program. The required funds are available in the Children's Bureau Surgery grant under which Mr. Hintz is employed.

I. J. Small, Increase in Salary

Increase in salary for Dr. I. Joyce Small, Instructor in Psychiatry, from $8,100 to $9,600 per year, effective December 1, 1960. Funds for the increase are provided in U. S. Public Health Service grants under which Dr. Small is employed.

A. Frederick, Decrease in Time & Salary

Decrease in time and salary, effective January 1, 1961, for Mr. Amby Frederick, Assistant Business Manager, from full-time and $11,000 to 90 per cent time and $10,000 annual salary, to reflect that portion of his time devoted to his duties as Director of the Medical Research Foundation. The $500 in salary funds released is to be transferred to the Salary Savings Reserve.

Personnel Adjustments:

Personnel adjustments, effective January 1, 1961, for the following staff members engaged in cerebral palsy research under a U. S. Public Health Service grant:

W. Ornduff, Increase in Salary; Decrease in Time

Dr. William Ornduff, Instructor in Pediatrics, increase in annual salary from $12,000 to $13,000; decrease from full time to 95 per cent time.

R. Lessel, Increase in Salary

Mr. Richard Lessel, Research Assistant in Child Development and Instructor in Public Health, increase in annual salary from $6,000 to $6,500.
Dr. Frank Shubeck, Assistant Professor of Obstetrics and Gynecology, increase in annual salary from $13,000 to $14,000.

Dr. Rudolf Engel, Associate Professor of Pediatrics, decrease from full time to 95 per cent time, with no change in salary.

Dr. William Clark, Associate Professor of Pediatrics, increase in annual salary from $14,000 to $15,000; decrease from full time to 95 per cent time.

Funds for the above adjustments are provided in the new U. S. Public Health Service grant in continued support of Cerebral Palsy Research.

Personnel adjustments, effective January 1, 1961, to release time of the following staff members in the Department of Pathology to participate in a community cancer demonstration project, supported by U. S. Public Health Service grants:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Change in Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>O. R. Emig</td>
<td>Assistant Professor of Pathology</td>
<td>From 13,500 to 8,625</td>
</tr>
<tr>
<td>redesignation</td>
<td>of Director</td>
<td>and redistribution of time and salary as follows:</td>
</tr>
<tr>
<td>Pathology</td>
<td></td>
<td>From: Pathology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.75 $8,625</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cytology Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total $12,125</td>
</tr>
</tbody>
</table>

Dr. Emig was on leave from April 15 through September 30, 1960.

Mr. James D. Rankin, Instructor in Cytotechnology, increase in salary from $5,000 to $7,500 and redistribution of time and salary as follows:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Change in Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. D. Rankin</td>
<td>Instructor in Cytotechnology</td>
<td>From 2,948 to 5,002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>From: Pathology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.59 $2,948</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Smear Laboratory Cancer Society</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total $5,002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>To: Cytology Education</td>
</tr>
</tbody>
</table>

Mrs. Jean Boyes appointment as Instructor in Cytotechnology, yearly tenure, 12-months' service, at an annual salary of $6,000. Mrs. Boyes was formerly paid on a wage budget.

Salary savings of $2,974.04 in Pathology are to be transferred to the Salary Savings Reserve.
Redistribution of Salary:

Dr. John E. Dunphy, Professor and Chairman of the Department of Surgery, redistribution of salary from $21,000 to $23,333.35 in Surgery and from $4,000 to $1,666.65 under the National Fund for Medical Education.

Dr. John A. Benson, Associate Professor and Head of the Division of Gastroenterology, redistribution of salary from $6,500 to $10,000 in Medicine and from $6,000 to $2,500 under the National Fund for Medical Education.

Dr. Rex Underwood, Assistant Professor of Anesthesiology, redistribution of salary from $11,300 to $4,708.30 under the National Fund for Medical Education and $6,591.70 in Anesthesiology.

The $12,425.05 in state funds required for the above changes is to be transferred from the Reserve for Increased Enrolment to the following: Surgery, $2,333.35; Medicine, $3,500; and Anesthesiology, $6,591.70. The $12,425.05 released in the National Fund for Medical Education is to be transferred from salaries to requisitions in that account.

Oregon State College

W. H. Slabaugh, Promotion and Increase in Salary

Promotion of Dr. W. H. Slabaugh, with a corresponding increase in salary, effective January 1, 1961, as follows:

<table>
<thead>
<tr>
<th>Rank</th>
<th>Term of Service</th>
<th>FTE</th>
<th>Salary Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>From: Professor of Chemistry</td>
<td>10 mos.</td>
<td>1.00</td>
<td>$11,300</td>
</tr>
<tr>
<td>To: Assistant Dean of Graduate School</td>
<td>12 mos.</td>
<td>.50</td>
<td>$6,750</td>
</tr>
<tr>
<td></td>
<td>Professor of Chemistry</td>
<td>.50</td>
<td>$13,500</td>
</tr>
</tbody>
</table>

Salary savings of $3,485.43 in Chemistry are to be retained pending further personnel adjustments; the $4,047.93 required in the Graduate School is to be transferred from the Operating Reserve. This personnel change is recommended to provide additional leadership and administrative assistance for a rapidly expanding graduate enrollment.

A.S.R.C. Zagallo, Courtesy appointment for Dr. August S. R. C. Zagallo as Assistant Professor of Chemistry in the Science Research Institute, from December 1, 1960, through June 30, 1961. Dr. Zagallo, a citizen of Portugal, is taking post-doctoral work at Oregon State College under a Gulbenkian Foundation Research grant.
Southern Oregon College

I. Hollenbeck, Change in Title, Time & Salary

Change in title for Dr. Irene Hollenbeck, Professor of Science, to include designation as Director of the National Science Foundation Institute for Junior High School Science Teachers, effective January 1, 1961, with a corresponding increase in annual salary from $8,500 to $8,900, and redistribution of time and salary as follows:

<table>
<thead>
<tr>
<th>From:</th>
<th>To:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>Education</td>
</tr>
<tr>
<td>Science</td>
<td>Science</td>
</tr>
<tr>
<td>.40</td>
<td>.35</td>
</tr>
<tr>
<td>$3,400</td>
<td>$3,115</td>
</tr>
<tr>
<td>.60</td>
<td>.55</td>
</tr>
<tr>
<td>$5,100</td>
<td>$4,895</td>
</tr>
<tr>
<td></td>
<td>National Science Foundation</td>
</tr>
<tr>
<td></td>
<td>.10</td>
</tr>
<tr>
<td></td>
<td>$890</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$8,900</td>
</tr>
</tbody>
</table>

Salary savings for the remainder of 1960-61 of $190.01 in Education and $136.66 in Science are to be transferred to the Salary Savings Reserve.

A. Graham, Leave Without Pay

Leave without pay for Dr. Alva Graham, Professor of Education and Director of Graduate Program, for two years effective December 31, 1960, to serve as special education officer with the International Cooperation Administration in Bolivia; and

M. Woodell, Change in Title, Time & Salary

Change in title for Dr. Marshall Woodell, Professor of Social Science to Professor of Social Science and Director of the Graduate Program, effective January 1, 1961, with a corresponding increase from ten to twelve months' service and from $10,100 to $12,000 annual salary. The $950 required for the remainder of 1960-61 is available in the $5,750.02 released by Dr. Graham, and the balance of $4,800.02 is to be transferred to the Salary Savings Reserve.
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 $5,681.50 from the following donors for scholarships and fellowships:

- Portland Rose Festival
- T. Neil Taylor, Piedmont, California
- Eastern Star Training Award for Religious Leadership, Anchorage Chapter No. 8, Anchorage, Alaska
- Albany Parent-Teacher Associations
- Elks Lodge No. 1805, Gresham
- The South Santiam Educational and Research Project through the Oregon State College Foundation
- Elks National Foundation, Boston, Massachusetts
- Woodrow Wilson National Fellowship Foundation, Princeton, New Jersey
- Oregon Pepsi-Cola Bottlers Scholarship Foundation, Seaside
- Price Waterhouse Foundation, New York City

American Cancer Society

Grants totaling $5,875 from the American Cancer Society through the University of Oregon Medical School, for the purposes indicated:

1. $2,125 - For the purchase of used X-ray equipment to be used in the Department of Biology.

2. $3,750 - For the purchase of supplies and equipment for research purposes, November 15, 1960, through November 15, 1961, under the direction of Dr. Jacob Straus, Assistant Professor of Biology.

Housing and Home Finance Agency

Grant of $20,000 for urban renewal planning projects to be developed by the Bureau of Municipal Research for Umatilla County, Hermiston, and Milton-Freewater. The grant represents $10,000 from the Housing and Home Finance Agency and matching funds contributed by the municipalities as follows: Umatilla County, $4,500; Hermiston, $2,500; and Milton-Freewater, $3,000.

National Science Foundation

Grants totaling $302,800 from the National Science Foundation, Washington, D.C., for research and training institutes, as follows:

1. $88,200 - "Academic Year Institute for High School Teachers of Biology", September 1, 1961, through June 30, 1962, under the direction of Dr. Sanford S. Tepfer, Assistant Professor of Biology.

2. $33,800 - "Summer Institute in Marine Biology for College Teachers of Biology", December 3, 1960, through August 31, 1961, under the direction of Dr. Richard W. Castenholz, Assistant Professor of Biology.
3. $93,900 - "Summer Institute in Science for High School Teachers of Science", under the direction of Dr. Robert W. Morris, Assistant Professor of Biology.

4. $63,600 - "Summer Institute in Mathematics for High School Teachers of Mathematics", December 3, 1960, through August 31, 1961, under the direction of Dr. A. F. Moursund, Head of the Department of Mathematics.

5. $23,300 - "Steady-State Current-Potential Relations Across Nerve Cell Membranes", January 1 through December 31, 1961, under the direction of Dr. Bradley T. Scheer, Head of the Department of Biology.

Office of Vocational Rehabilitation
Grant of $17,370 from the Office of Vocational Rehabilitation, Washington, D. C., for research entitled, "The Social Psychological Environment of Disabled and Nondisabled Children", January 1 through December 31, 1961, under the direction of Dr. Phil Schoggen, Assistant Professor of Psychology.

Resources for The Future, Inc.
Grant of $5,000 from Resources For the Future, Inc., Washington, D. C., January 1 through December 31, 1961, "to support a study of the Pacific Northwest Economic Development 1920-1960", under the direction of Dr. James N. Tattersall, Assistant Professor of Economics.

Tektronix Foundation
Grant of $7,444 from Tektronix Foundation, Portland, in support of research on "the electronic properties of crystalline silver halides", December 1, 1960, through November 30, 1961, under the direction of Dr. Francis E. Dart, Associate Professor of Physics.

U. S. Army Ordnance Corps
Grant of $6,826 from the U. S. Army Ordnance Corps, San Francisco Ordnance District, Oakland, California, for "Basic Research in the Modification of the Shape and Positions of Spectral Lines by Foreign Gases under Well Defined Conditions of High Pressure and High Temperature", December 1, 1960, through August 31, 1961, under the direction of Dr. S. Y. Ch'En, Professor of Physics.

U. S. Dept. of Health, Education and Welfare
Grants totaling $5,000 from the U. S. Department of Health, Education and Welfare to provide supporting grants, effective September 1, 1960 through June 30, 1961, under the National Defense Education Act for the following graduate students:

- Mr. Leo A. Hamerlynck: $2,500
- Mr. Ralph F. Leeder: $2,500

U. S. Public Health Service
Grants totaling $45,151 from the U. S. Public Health Service for research as follows:

1. $8,392 - "Heart Malic Dehydrogenase Mechanism Studies", December 1, 1960, through August 31, 1961, under the direction of Dr. Raymond G. Wolfe, Assistant Professor of Chemistry.
2. $31,696 - "The Control of the Synthesis of Structural Proteins", December 1, 1960, through November 30, 1961, under the direction of Dr. George Streisinger, Associate Professor, Institute of Molecular Biology.

3. $5,063 - "Embryonic Environment and Behavior Patterns in Fishes", January 1 through December 31, 1961, under the direction of Dr. Robert W. Morris, Assistant Professor of Biology.

Gifts to University Library

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

Mrs. F. E. Ames
Diaries of Mr. Fred E. Ames, covering the period 1880-1957, from Mrs. Fred E. Ames, Portland. The diaries, valued at $206, include his experiences at Harvard College and a decade with the Forest Service.

Mrs. A. Arneson
Diaries, valued at $140, recording the work of Mr. Arnold Arneson with Region 6 of the Forest Service in Washington for the periods 1923-31 and 1942-47, from Mrs. Arnold Arneson, Naches, Washington.

F. Brenne
Six city directories, valued at $165, for various towns in New Mexico, Hawaii, California, and Washington, from Mr. Fred Brenne, Eugene.

Mrs. W. H. Fluhrer
War letters, diaries, and motion picture films of Mr. William Henry Fluhrer, valued at $165, from Mrs. William Henry Fluhrer, Medford. Mr. Fluhrer was owner of a bakery chain in Oregon and California; the material records his war record in this country and Europe.

The Rev. H. G. Goodsell
Manuscript sermons and books, valued at $200, from the Reverend H. Guy Goodsell, Portland.

L. Hall
A collection of 6,000 negatives, valued at $600, from Dr. Lindsley Hall, Portland. The negatives were gathered and catalogued by Dr. Hall on several trips around the world with the primary purpose of photographing architecturally important buildings and monuments.

Mrs. G. D. Hann
Collection of circus and vaudeville material of Mae Leondor, valued at $100, from Mrs. George D. Hann, Portland. The collection includes circus posters, programs, correspondence, photographs and sheet music, much of which accompanied the Leondor act.

Mrs. A. Hull
Manuscripts of Mr. Alexander Hull, prominent Northwest author, covering the period 1913-1950, from Mrs. Alexander Hull, Seattle, Washington. The manuscripts are valued at $180.

G. A. Lawrence
Business records including ledgers, account books, correspondence and catalogs of George Lawrence Company, one of the first leather firms in Oregon, from Mr. George A. Lawrence, Portland. The records are valued at $500.
Meeting #292-35

January 24, 1961

Miss M. Lemon
Records of Millard Lemon family, valued at $196.95, from Miss Mildred Lemon, Olympia, Washington. The collection includes a series of letters written from Chile, 1884-1887; four volumes of scrapbooks concerning Washington state politics; the autobiography of David Webster; and a number of unusual Northwest pamphlets.

E. C. Robbins
Collection of 284 volumes, valued at $518.05, from Dr. Edwin C. Robbins, Los Angeles, California.

M. D. Ross
Collection of 200 slides on Oregon and San Francisco architecture, valued at $100, from Mr. Marion D. Ross, Eugene.

W. Rutherford
Blueprints of Yamhill River lock, Lafayette, Oregon, and journal of the lockmaster, 1900-1932, from Mr. William Rutherford, McMinnville. The material is valued at $150.

University of Oregon Dental School

Office of Naval Research
Grant of $9,000 from the Office of Naval Research in continued support of research entitled, "Factors Influencing Establishment of Oral Flora and Their Effects on Oral Tissues", January 1 through December 31, 1961, under the direction of Dr. Marshall L. Snyder, Head of the Department of Bacteriology.

U. S. Public Health Service
Grants totaling $7,258 from the U. S. Public Health Service, effective January 1 through December 31, 1961, for research and fellowships as follows:

1. $5,184 - To establish eight part-time research fellowships.

2. $2,074 - "A Study of Friction on the Teeth and Gingiva During the Mastication of Food", under the direction of Dr. Clay E. Wilcox, Clinical Associate in Periodontology.

University of Oregon Medical School

Scholarships & Fellowships
Gifts totaling $450 from the following donors for scholarships and fellowships:

Doctors' Supply Co., Portland
Surgical Sales, Inc., Portland

$ 200
$ 250

Alpha Phi Sorority
Gift of $100 from the Alpha Phi Sorority, Beaverton, to be used for movie rentals for the children in the Doernbecher Memorial Hospital for Children.

Alumni Association, UOMS
Gift of $964.40 from the University of Oregon Medical School Alumni Association, Portland, to apply toward travel expenses of staff members to professional meetings.
Grants totaling $39,546 from the Atomic Energy Commission, Hanford Operations Branch, Richland, Washington, for research as follows:

1. $35,000 - "Studies of Hemic Effects of Radioisotopes, X-rays, and Adrenocortical Hormones in Man", November 1, 1960, through October 31, 1961, under the direction of Dr. Edwin E. Osgood, Head of the Division of Experimental Medicine.

2. $14,546 - "Studies on Lipogenesis", December 1, 1960, through November 30, 1961, under the direction of Dr. J. T. Van Bruggen, Associate Professor of Biochemistry.

Gift of $200 from the Oregon Division of the American Cancer Society to be used to secure publications pertinent to cancer.

Gift of $300 from Dr. Peter L. Balise, Seattle, Washington, in continued support of the loan fund established by Dr. Balise in memory of his wife, Joan.

Gift of $100 from Dr. H. R. Crisman, Missoula, Montana, as a contribution to the library fund of the Department of Ophthalmology.

Gift of 50 shares of Chicago Aerial Industries, Inc., common stock, valued at $1,500, from Dr. R. M. Flanagan, Coos Bay. The stock is to be sold and the proceeds are to be divided equally between the Departments of Medicine and Ophthalmology.

Gift of $145 from Dr. Robert B. Morrow, Newport, Washington, to be distributed to the following accounts: Medical School Sundry Donations, $45; F. Ralston Ophthalmology, $50; and General Research, $50.

Gift of $550 from the Committee to Elect Maurine B. Neuberger United States Senator. The funds represent a portion of the surplus remaining at the conclusion of the campaign, and are to be placed in the Richard L. Neuberger Medical Education and Research Fund.

Grant of $23,500 from the National Science Foundation, Washington, D. C., for research entitled, "Immunoelectrophoretic Analysis of Echinoderm Development", January 1, 1961, through December 30, 1962, under the direction of Dr. R. L. Bacon, Professor of Anatomy.

Bequest of $1,000 under the will of Sybil J. Shaw, for the unrestricted use of Doernbecher Memorial Hospital for Children.

Gift of $200 from the Colyear Motor Sales Company, Portland, to the Doernbecher Memorial Hospital for Children. The contribution is in lieu of Christmas gifts for the employees of the company.

Gift of $100 from the Consolidated Supply Co., Portland, for the unrestricted use of the Crippled Children's Division.
Meeting #292-37
T. R. Florentz  Gift of $200 from Dr. Theodore R. Florentz, Boise, Idaho, to purchase books for the resident staff library in memory of Dr. Lowell B. Privett of Boise.

The Jackson Foundation  Grant of $5,200 from The Jackson Foundation, Portland, to improve the facilities for the care of patients admitted to the Multnomah Hospital for eye surgery.

Ladies Auxiliary to Veterans of Foreign Wars  Grant of $2,500 from the Ladies Auxiliary to the Veterans of Foreign Wars, Cloverdale, to be used for cancer research under the direction of Dean Baird.

The National Foundation, Inc.; Multnomah County Chapter  Grant of $10,800 from The National Foundation, Inc., Multnomah County Chapter, Portland, "to assist with expenditures of the Rheumatology Clinic, postgraduate course in rheumatology, and some preliminary investigations on survey of rheumatoid arthritis", December 1, 1960, through November 30, 1961, under the direction of Dr. Daniel Bachman, Assistant Professor of Medicine.

Parke, Davis & Company  Grant of $1,000 from Parke, Davis & Company, Ann Arbor, Michigan, in further support of research on respiratory vaccine, November 1, 1960, through October 31, 1961, under the direction of Dr. Joseph B. Trainer, Student Health Service Physician.

Portland Academy of Medicine  Grant of $1,036.67 from the Portland Academy of Medicine, Portland, to be used for the purchase of books and periodicals for the Medical School Library, under the direction of Miss Bertha Hallam, Librarian.

Shemanski Trust Fund  Gift of $100 from the Shemanski Trust Fund to the Doernbecher Memorial Hospital for Children "for the benefit of the children at Christmas time".

E. B. Stanton  Gift of $100 from Mr. E. B. Stanton, St. Paul, Minnesota, to be used for medical education and research in memory of Mrs. John Alexander.

A. R. Watzek  Grant of $2,000 from Mr. A. R. Watzek, Portland, for research in the Department of Ophthalmology under the direction of Dr. Kenneth C. Swan, Chairman of the Department.

U. S. Public Health Service  Grants totaling $323,743 from the U. S. Public Health Service, effective January 1 through December 31, 1961, unless otherwise specified, for research, training grants, supplies, and other purposes as follows:

1. $16,700 - "To develop professional and technical education in cytology", January 1 through June 30, 1961, under the direction of Dr. Jackson T. Crane, Chairman of the Department of Pathology.

2. $40,126 - "Human Interaction in the Interview Situation", under the direction of Dr. George Saslow, Chairman of the Department of Psychiatry.
3. $11,500 - "Influence of Bronchial Tree Structure on Ventilation", under the direction of Dr. Benjamin B. Ross, Associate Professor of Physiology.

4. $68,837 - "Graduate Training Program in Physiology", January 1, 1961, through June 30, 1962, under the direction of Dr. John M. Brookhart, Chairman of the Department of Physiology.

5. $7,830 - "To develop professional educational activities, emphasizing the importance of cytology", January 1 through June 30, 1961, under the direction of Dr. Crane.

6. $500 - For a fellowship supply grant, October 1, 1960, through September 30, 1961, under the direction of Dr. J. Englebert Dunphy, Professor and Chairman of the Department of Surgery.

7. $6,900 - "Metabolic Effects of Salicylate in Man", under the direction of Dr. Daniel M. Bachman, Assistant Professor of Medicine.

8. $5,000 - "Applied Hemodynamics in Cardiovascular Radiology", December 1, 1960, through August 31, 1961, under the direction of Dr. Charles T. Dotter, Chairman of the Department of Radiology.

9. $25,920 - "Graduate training grant in anatomical sciences," January 1, 1961, to June 30, 1962, under the direction of Dr. R. L. Bacon, Professor of Anatomy.

10. $10,675 - "Mechanisms of Nerve Impulse Generation", January 1 through August 31, 1961, under the direction of Dr. John M. Brookhart.

11. $13,694 - "Afterdischarge in Normal and Isolated Cerebral Cortex", under the direction of Dr. John Gordon Roth, Instructor in Surgery.

12. $9,577 - "Electroencephalographic Studies in Newborn and Young Infants", under the direction of Dr. Rudolf C. H. Engel, Associate Professor of Pediatrics.

13. $7,607 - "Intraocular Malignant Melanoma of the Hamster", under the direction of Dr. Robert P. Burns, Assistant Professor of Ophthalmology.

14. $61,975 - "Collaborative Study of Cerebral Palsy", January 1 through October 31, 1961, under the direction of Dr. Richard L. Sleeter, Director of the Crippled Children's Division.

15. $25,000 - "Cancer Training Grant", under the direction of Dr. Jackson T. Crane.

16. $11,902 - "Effects of Multiple Stress on Behavior", under the direction of Dr. Marvin Greenbaum, Assistant Professor of Medical Psychology.
Meeting #292-39

January 24, 1961

The Upjohn Company

Grant of $1,500 from The Upjohn Company, Kalamazoo, Michigan, for antibiotic testing and the clinical investigation of new antibiotic agents and combinations, under the direction of Dr. Norman A. David, Chairman of the Department of Pharmacology.

Vierani Family Fund for Charitable Purposes

Grant of $1,038.87 from the Vierani Family Fund for Charitable Purposes through the U. S. National Bank, Portland, to be used for the purchase of supplies and medical accessories for medically indigent patients which could ordinarily not be provided for from hospital and clinic budgets.

Oregon State College

Scholarships & Fellowships

Gifts totaling $10,754.57 from the following donors for scholarships and fellowships:

Mrs. Otto Hermann, Portland $ 10,175.57
Individual Trustees of the Alcoa Foundation, Pittsburgh, Pennsylvania 125.00
Rotary Club, Grants Pass 300.00
Interfraternity Council, Oregon State College 154.00

Mrs. W. B. Anderson & Family

Gift of $510.60 from Mrs. W. B. Anderson and Family, Corvallis, to purchase a telescope for the Physics Department.

Atomic Energy Commission

Grants totaling $20,707 from the Atomic Energy Commission, Hanford Operations Office, Richland, Washington, for research as follows:

1. $7,945 - "To continue research on the effects of soil temperatures and P32 fertilizer application on the availability of soil phosphorus from other soil types", September 1, 1960, through October 31, 1961, under the direction of Dr. S. B. Apple, Jr., Professor and Head of the Department of Horticulture.

2. $8,000 - "Intermediary Metabolism of Acids and Volatiles in Certain Fruits Using Isotopic Tracers", January 1 through December 31, 1961, under the direction of Dr. C. H. Wang, Professor of Chemistry.


F. D. Coenders

Gift of $179.82 from Mr. Frank D. Coenders, Coos Bay, for the purchase of books for the Library.

U. S. Navy; Office of Naval Research

Grant of $1,500 from the U. S. Navy, Office of Naval Research, "to continue research on fluoro-borane chemistry", September 1, 1960, through August 31, 1961, under the direction of Dr. T. D. Parsons, Assistant Professor of Chemistry.
Grants totaling $106,000 from the National Science Foundation, Washington, D. C., for research and construction as follows:

1. $100,000 - "Oregon Oceanographic Studies", for approximately one year beginning December 1, 1960, under the direction of Dr. Wayne V. Burt, Chairman of Oceanography. The grant is to provide $50,000 each for the cost of operating the research vessel and for the on-campus portion of the research.

2. $6,000 - To support an annual biology colloquium during the years 1960, 1961, and 1962, under the direction of Dr. V. H. Cheldelin, Professor of Chemistry.

Grants totaling $129,911 from the U. S. Public Health Service, for research as follows:

Covering the period December 1, 1960, through November 30, 1961:

1. $8,892 - "Waste Water Lagoon Criteria for Maritime Climates", under the direction of Dr. F. J. Burgess, Associate Professor of Civil Engineering.

2. $11,452 - "Chemical and Biological Properties of Malonaldehyde", under the direction of Dr. R. O. Sinnhuber, Associate Professor of Food Technology.

3. $9,200 - "Nitrogen Metabolism in Insects", under the direction of Dr. V. J. Brookes, Assistant Professor of Entomology.

4. $10,320 - "Nutritional Studies of Vitamin B6", under the direction of Dr. Clara A. Storvick, Professor of Foods and Nutrition.

5. $12,023 - "Vitamin K5 as a Food Preservative", under the direction of Dr. Hoy Y. Yang, Associate Professor of Food Technology and Associate Food Technologist.

Covering the period January 1 through December 31, 1961:

6. $10,892 - "Carbonyl Compounds from Autoxidizing Fats", under the direction of Dr. Edgar A. Day, Assistant Professor of Dairy Technology.

7. $7,363 - "The Granary Mites of the Pacific Northwest", under the direction of Dr. G. W. Krantz, Assistant Professor of Entomology.

8. $4,652 - "Reconstitution of Electron Transport Systems", under the direction of Dr. T. E. King, Professor of Chemistry.
Meeting #292-41

January 24, 1961

9. $13,895 - "Oxidative and Synthetic Enzyme Systems in Insects", under the direction of Dr. R. W. Newburgh, Associate Professor of Chemistry.

10. $17,212 - "Tissue Enzyme Changes with Food Additive Ingestion", under the direction of Dr. I. J. Tinsley, Assistant Professor of Agricultural Chemistry.

11. $14,605 - "Aspects of Deep Trickling Filters", under the direction of Dr. F. J. Burgess, Associate Professor of Civil Engineering.

Covering the period February 1, 1961, through January 31, 1962:

12. $9,405 - "The Toxicity of Kraft Pulp Mill Waters to Fish", under the direction of Dr. Charles E. Warren, Associate Professor of Fish and Game Management.

Grants to the several Agricultural Experiment Station Departments and Divisions for research, from various donors as follows:

Grants to
Agric. Exper.
Station from:

Agricultural
Research
Foundation

$6,601.85 - Equipment transferred from the Agricultural Research Foundation to the Oregon Agricultural Experiment Station, valued at the amount indicated.

$507 - "Covering Snow Surveys for April 1, 1960", under the direction of Mr. W. T. Frost, Hydraulic Engineer.

$378.90 - "Effect of Spray Chemical Materials on Horticultural Growing Stock", under the direction of Dr. L. G. Gentner, Professor and Entomologist, Southern Oregon Branch Experiment Station.

American
Dehydrators
Association

$400 - "For purchasing carcass material from the lambs for organoleptic testing", under the direction of Dr. J. E. Oldfield, Professor of Animal Husbandry.

California
Chemical Company

$1,000 - In support of research studies on the control of flies and livestock insects, under the direction of Dr. R. L. Goulding, Assistant Professor of Entomology.

Klamath County

$3,000 - For the participation of the county in research activities at the Klamath Branch Experiment Station.

Louis W. &
Maud Hill Family
Foundation

$2,000 - "Forest Genetics - The Effect of Day Length on the Frost Hardiness of Woody Plants", under the direction of Mr. Helge Irgens-Møller, Assistant Professor of Forestry and Assistant Forest Geneticist.

Miles
Laboratories, Inc.

$500 - "Factors Influencing the Utilization of Barley by Chicks", under the direction of Dr. G. H. Arscott, Associate Professor of Poultry.
Meeting #292-42

Soil Conservation Service
$1,207.61 - "Superior Grasses and Legumes for Soil and Water Conservation and Forage", under the direction of Mr. T. A. Bown, Junior Agronomist and Instructor of Farm Crops with the Soil Conservation Service.

Shell Development Company
$500 - "Selective and Non-Selective Weed Control on Agronomic Crops and Non-Crop Land and Factors Affecting Control Practices", under the direction of Dr. W. R. Furtick, Professor of Farm Crops.

Tennessee Valley Authority
$1,363.30 - "Economic and Agronomic Evaluation of Fertilizer Response Data of Alfalfa Grown on 'Aiken Soils' of the Willamette Valley", under the direction of Dr. Hoyle E. Harward, Associate Soil Scientist and Associate Professor of Soils, and Dr. William E. Brown, Assistant Agricultural Economist and Assistant Professor of Agricultural Economics.

U.S.D.A. Animal Husbandry Division
$589.11 - "Improvement of Beef Cattle Through Application of Breeding Methods", under the direction of Dr. Ralph Bogart, Animal Husbandman and Professor of Animal Husbandry.

U.S.D.A. Bureau of Land Management
$2,765.92 - "The Threat of Cinnamon Root Rot to Douglas Fir Forestry" and "Brush and Hardwood Control" under the direction of Dr. L. F. Mote, Professor of Botany, and Dr. G. H. Barnes, Professor of Forest Management.

Portland State College
Grant of $8,340 from the U. S. Department of Health, Education and Welfare, Washington, D. C., as the second portion of three payments for the Middle East Studies Center, July 1, 1960, through June 30, 1961, under the direction of Dr. Fred Cox, Professor of History.

Oregon College of Education

Scholarships & Fellowships
Gifts totaling $825 from the following donors for scholarships and fellowships:

- South Santiam Educational and Research Project through the Oregon State College Foundation $ 184.00
- Vancouver Avenue First Baptist Church, Portland 125.00
- Oakridge Parent-Teacher Association 216.00
- Kiwanis Club, Tillamook 200.00
- Sherwood Union High School Girls' League 100.00

Estate of Lois Vanderpool
Gift of $2,000 from the Estate of Lois Vanderpool to be known as the "Lois Vanderpool Memorial Loan Fund".

January 24, 1961
Oregon Technical Institute

H. Hafter Furniture Company
Gift of $195 from the Harry Hafter Furniture Company, Klamath Falls, to provide a scholarship for a designated student.

First Federal Savings & Loan Association
Gift of $100 from the First Federal Savings & Loan Association, Klamath Falls, to be used for student loans.

Underwood Corporation
Gift of approximately 25 used, assorted office machines, valued at $800, and 15 Olivetti Calculator Adjustment Manuals, valued at $150, from the Underwood Corporation, New York City, to be used for instructional purposes.

ADJOURNMENT
The Board adjourned at 12:15 P.M.

Henry F. Cabell, President
Earl M. Pallett, Secretary