STATE BOARD OF HIGHER EDUCATION
MINUTES OF MEETING HELD IN
ROOM 217, EDUCATION BUILDING, OREGON COLLEGE OF EDUCATION
AND ROOM 327, MICHAEL J. SMITH MEMORIAL CENTER, PORTLAND STATE UNIVERSITY,
PORTLAND, OREGON

September 8 and October 2, 1969

MEETING #376-1  A regular meeting of the State Board of Higher Education was held in Room 217, Education Building, Oregon College of Education, Monmouth, Oregon.

ROLL CALL  The meeting was called to order at 9:00 A.M. Monday, September 8, 1969, by the President of the Board, Mr. George H. Layman, and on roll call the following answered present:

    Mr. George H. Corey          Mr. Ancil H. Payne
    Mr. Chas. R. Holloway, Jr.    Mr. John W. Snider
    Mr. Robert D. Holmes          Mr. Ray T. Yasui
    Mrs. Elizabeth H. Johnson     Mr. George H. Layman
    Mr. Philip A. Joss

Absent: None.

OTHERS PRESENT

Centralized Activities--Chancellor R. E. Lieuallen; Secretary R. L. Collins; Mr. H. A. Bork, Vice Chancellor for Business Affairs; Dr. Miles C. Romney, Vice Chancellor for Academic Affairs; Mr. J. L. Hunderup, Vice Chancellor for Facilities Planning; Dr. Duane Andrews, Director, Division of Continuing Education; Mr. Ralph Steetle, Director of Program Coordination, Division of Continuing Education; Mr. Kenneth Ahlberg, Manager of Business Affairs, Division of Continuing Education; Dr. James Beaird, Director of Teaching Research; Mr. J. L. Watson, Comptroller and Assistant Vice Chancellor for Administration; Mr. D. R. Larson, Assistant Chancellor; Mr. Allen McKenzie, Contracting Officer and Assistant to Vice Chancellor for Administration; Dr. Carl G. Paetz, Director of Campus and Building Planning; Mr. Keith L. Jackson, Budget Director; Mr. Raymond P. Underwood, Assistant Attorney General; Dr. George Diel, Director, Communications Development; Mr. Robert W. Fritsch, Architectural Consultant; Mr. Ken Cushman, Director of Publications; Mr. John Osburn, Special Assistant Attorney General.

Oregon State University--Acting President Roy A. Young; Mr. M. Popovich, Dean of Administration; Mr. G. M. Robertson, Director of Business Affairs; Mr. Fred Shideier, Director of University Relations and Assistant to the President; Mr. Miles Metzger, Superintendent of Planning and Construction.

University of Oregon--President Robert D. Clark; Mr. J. O. Lindstrom, Director of Fiscal Affairs; Dr. John E. Lallas, Director of Planning and Institutional Research; Mr. Donald M. DuShane, Dean of Students; Dr. Russell J. Donnelly, Professor of Physics.
University of Oregon Dental School—Dean L. G. Terklia; Mr. Eugene W. Bauer, Assistant Dean for Business Affairs.

University of Oregon Medical School—Dean C. N. Holman; Mr. W. A. Zimmerman, Associate Dean for Business Affairs; Mr. A. J. Clemons, Director of Facilities Planning.

Portland State University—President Gregory B. Wolfe; Mr. W. T. Lemman, Jr., Director of Business Affairs.

Oregon College of Education—President L. W. Rice; Dr. Ronald L. Chatham, Assistant to the President; Mr. John Sparks, Director of Business Affairs.

Southern Oregon College—President James K. Sours; Dr. E. C. McGill, Dean of Faculty; Mr. Donald E. Lewis, Dean of Administration.

Eastern Oregon College—President A. M. Rempel; Dr. R. S. Perry, Dean of Administration; Mr. J. C. Lundy, Business Manager.

Oregon Technical Institute—President W. D. Purvine.

Others—Mr. Gilbert Polanski, Field Representative, Oregon State Employees Association; Mr. Edward K. Neubauer, Director of Engineering, Oregon State Fish Commission; Mr. Fred Segrest and Mr. Richard Burke, Fiscal Analysts, State Executive Department; Mr. Robert Stevens, Legislative Analyst, Legislative Fiscal Committee; Dr. John Minter, Director, Educational Coordinating Council; Mrs. Sue Buel, Director of Professional Standards, Oregon Education Association.

Student Representatives—Mr. Stan Amy, President, Portland Student Services, Inc., and Student Assistant, Office of Facilities Planning; Mr. John Warneken and Mr. Tony Barsotti, members of the Board of Portland Student Services, Inc.

The Board voted to dispense with the reading of the minutes of the last regular meeting held on July 21, 1969, and approved them as printed in the preliminary minutes previously issued.

President Layman introduced and welcomed to their first Board meeting the following newly-appointed officials: Dr. Robert D. Clark, President of the University of Oregon; Dr. James K. Sours, President of Southern Oregon College; Mr. Raymond P. Underwood, Assistant Attorney General assigned to higher education and Dr. John Minter, Executive Director of the Educational Coordinating Council.

President Layman then announced that he had appointed the following Board members to the Board's standing committees:

Committee on Academic Affairs, Personnel and Public Affairs:
Mrs. Elizabeth H. Johnson, Chairman; Mr. George H. Layman, and Mr. John W. Snider; alternate member, Mr. Chas. R. Holloway, Jr.
Committee on Buildings and Other Physical Facilities:
Mr. Philip A. Joss, Chairman; Mr. George H. Corey and Mr. Ray T. Yasui; alternate member, Mr. Robert D. Holmes.

Committee on Finance and Business Affairs:
Mr. Chas. R. Holloway, Jr., Chairman; Mr. Robert D. Holmes and Mr. Ancil H. Payne; alternate member, Mr. John W. Snider.

Mr. Layman said that it was intended that the committees would study the items presented to each committee in even greater depth than they have done previously. The detailed materials presented to the committees would be summarized for presentation to the Board together with the recommendation of the appropriate committee regarding the action to be taken.

Mr. Layman said also that he would like to see an increased function of the Executive Committee during the coming year so that it is operating between Board sessions and taking part in even more judgments and decisions than it has in the past.

Mr. Layman suggested that in order to expedite the work of the Board that the committee would present the item, to be followed by any statements from the institutional representatives or others, but that after a motion had been made and the matter was under discussion, that ordinarily the discussion would be limited to the Board members and would not include additional discussion from the floor.

President Layman then directed the attention of the Board members to the items in the docket of business. During the consideration of the docket items, President Layman asked the chairman of the committee concerned to review briefly the content of the items which pertained to that committee.

Report on Student Participation in Governance

At the request of Mrs. Johnson, Dr. Romney presented the report, prepared originally for the July 1969 meeting of the Board, titled *A Report on State System Provisions for Student Participation in Governance and for Student Conduct and Discipline*.

Dr. Romney observed that it had been eight months since the Board had (in December 1968) adopted its policy statement on institutional governance with particular reference to student participation. He noted that this action was taken not in any crisis situation or emergency but as a result of the desire of the Board to reaffirm a number of very important principles in the governance of the institutions and to give added emphasis to certain matters relating to governance that the Board felt should be emphasized. In its policy statement, the Board had asked the institutions to examine their existing policies on governance and, where necessary, take steps to bring them in line with the Board's policy statement. Specifically, the charge was given to the institutions to establish guidelines relating to student conduct, setting forth prohibited conduct, providing for appropriate disciplinary hearings, and delineating sanctions for violation of institutional rules and regulations consistent with standards of procedural fairness.
The Board, in its policy statement, recognized the following objectives:

1. Establishment of a community consensus on the campuses involving administration, faculty, and students. Speaking particularly to the interests of students, the Board expressed its belief that students had a great deal to offer in the deliberative process in areas related to policies affecting students. The Board expressed the hope that, as a result of the Board's policy statement, there would be appropriate involvement of the several elements of the academic community - most notably the faculty, students, and administration - in the development of policies for the governance of the institutions.

2. Establishment in each institution of an organized and systematic means for identifying fundamental areas of conflict early and of dealing with the problems promptly in an educationally constructive fashion.

3. Assurance of free and equal access to the institution's services to all students enrolled, with protection from infringement of this access by any but the orderly rational processes characteristic of the academic community.

4. Protection of students in the exercise of their constitutional rights of freedom of speech, freedom to assemble peaceably and to petition authorities, and assurance of due process for students charged with being in violation of institutional rules and regulations.

5. Avoidance on the campuses of violence, threats of violence, destruction of property, or overt efforts to interfere with the operation of the institution in a manner not in keeping with the spirit of the academic community, and should such an outbreak occur, a prompt restoration of order.

Dr. Romney said that his was a progress report designed to bring to the Board an accounting of some of the things the institutions had done in the past eight months to conform to the aforementioned Board policy statement.

Dr. Romney said that since the adoption of the Board's policy statement, the institutions have been working diligently, examining and modifying institutional policies in respect to governance. The report prepared for the Board demonstrates very clearly, he said, that the institutions have sought to establish and maintain open communication with students through a wide variety of avenues, with no single avenue bearing the full responsibility for maintaining community stability. The following are illustrative of the efforts to involve students in governance and include ways in which institutions are seeking to give student voices a systematic orderly way of being heard:

1. Opportunity for student voices in faculty meetings.

2. Consultation or other close involvement between the student senate and the faculty senate.
3. Student representation on faculty committees dealing with matters that are central to the university and lie at its heart, such as: academic requirements, admissions policies, curriculum, scholastic deficiencies, and library.

Dr. Romney said that, for instance, Oregon State University has 32 joint faculty-student committees involving 118 students and 225 faculty members; the University of Oregon has 9 faculty-student committees and 6 faculty-student administrative committees; Southern Oregon College has 9 faculty-student committees; and the other institutions faculty-student committees of similar character.

4. Convocations and forums called precisely to give the students voice on any matters they wish to bring to the attention of the institution. For instance, one institution has established a student-faculty council, which meets monthly, charged with responsibility (a) to generate an increasing concern for meritorious teaching and (b) to function as a responsible forum, available for appropriate information and advice, whenever so requested by the president, faculty senate, and student senate. The same institution held a week-long faculty-student-administrator conference in the spring of 1969, dismissing all classes for a day and a half, to permit a discussion of issues relating to basic institutional problems and policies. Some institutions have held faculty-student weekends giving opportunity for faculty to meet with student leaders in an unhurried atmosphere.

5. Adoption of formal statements of students' rights, freedoms, and responsibilities patterned after the national statement on this subject written and endorsed by ten national organizations. (This statement is published as an appendix to the report prepared for the Board.) These statements supplement long-standing policy statements of the institutions on these matters.

Dr. Romney observed that the institutions anticipate that by maintaining an organized, systematic means for student voices to be heard in the deliberative councils of the institutions, it will be possible to work out accommodations satisfactory to students, faculty and the administration in those problem areas that arise, before they become the basis for a violent reaction either by those few students who have in mind disruption or destruction of the institution rather than reform, or by the small group of students who, although interested in reform, not destruction, have become convinced that violence is the only way in which reform can be achieved.

Our belief is, Dr. Romney observed, that by such positive institutional actions violence, destruction, and disruption can be obviated, although, he noted, the institutions must necessarily have in mind well-thought-out contingency plans for restoring order to the campus promptly should we be faced with the unhappy necessity for dealing with mindless force that will not yield to reason.
He cautioned, however, that the best-managed institution is not likely ever to be a placid, tranquil place and for some very good reasons:

1. The campus is, as someone has said, a battleground and negotiating table where the young and the old meet in the "ceaseless war of the generations."

One of the important tasks of the college has been to pass on to the younger generation an acquaintance with the best that has been thought by those who have preceded them. In an era such as our own, when the young are critical of their elders to a degree not seen in the memory of those now living, the colleges and universities find the process of the socialization of the young no easier than do the parents.

2. On the campus, conflict is a way of life.

The college professor tends to be independent of character, self-assertive, accustomed to the exhilaration of verbal exchanges with confreres and students, secure in the feeling that these verbal exchanges are a part of the means by which the wheat is separated from the chaff in thought. He often deliberately casts his ideas against conflicting ideas, anticipating that the shock of clashing ideas is an effective means of sorting out the valid from the invalid.

3. The campuses may be more susceptible to civil disobedience and similar tactics than most institutions because they are of necessity, and by nature, hospitable to the free exchange of ideas, points of view, doctrines. Faculty and administration assume that each group espousing a point of view will have the same respect for the right of contrary points of view to be heard as the group would claim for its own. When groups arise on campus which are unwilling to play the game according to these rules of academic freedom, faculty and administration are ill-equipped by temperament or experience for dealing with those who would thus foul the academic nest.

4. Radical elements in society see that if they can transform the institutions of higher education from centers of independent thought and liberal learning into instruments of social revolution, they (the radicals) will have achieved a notable victory. Hence, for that miniscule fraction in this country which is interested in the destruction of the democratic way of life, our colleges and universities appear to be a target of first magnitude.

5. Individual students or particular student groups tend to want quick action on matters in which they are interested, since they could have the satisfaction of seeing change while they are yet in school. Yet in some matters an institution simply cannot move that fast, even though it may wish to be responsive.
The problem the institutions face, Dr. Romney noted, is to find an effective way of enforcing organizational discipline in the interests of attaining institutional goals, without at the same time destroying that independence and freedom of its constituents without which the institution cannot honestly be said to be an educational institution.

It must be borne in mind too, he noted, that the problem of campus unrest is a very complex problem, having its roots in the society at large, as well as on the campus. The rapid rate of social change, racial unrest, the Vietnam war, the depersonalization of life growing out of large masses of people and the applications of technology to life, the crisis in our values, and the mounting disregard among our citizenry generally for duly constituted authority and law are all factors rooted in society which trouble youth wherever they are. These are society's problems whose reflection may be seen in some of the unrest among students in America. These problems cannot be resolved on the campuses while they remain problems to society at large.

Then there are the student protests that grow out of problems rooted in the campus. These have to do with the quality of instruction, the impersonality of the institution, institutional objectives and goals, and the like. In respect to these campus-rooted problems, the institutions can never assume that there is no room for improvement. What we must do, Dr. Romney noted, is to be alert to the criticism received, and responsive to it in the sense that we seek honestly and open-mindedly to assess the validity of it with a view to benefiting from it in the improvement of what we do.

The problems we face then are complex problems. They are susceptible of solution neither by our assuming a "get tough" policy with students, or the antithetical posture of "give 'em what they want." What is required is a patient wisdom that will permit us to consider dispassionately how we may establish a more responsive connection between students, faculty, and administration as we face our joint problem of living productively together in the academic community.

The establishment and maintenance of community stability is not in the hands alone of the president of the institution. He is an agent of the Board, and thus responsible to the Chancellor and the Board for the operation of the institution. But he is also the leader of the faculty. And as someone has noted, his effectiveness as an administrator is quite as much dependent upon the consensus of students and faculty as it is upon the authority he derives from the Board.

An examination of State System institutional policies and actions reveals that although they have not resolved all of the problems related to these interpersonal relationships within the academic community, they are aware of them and are moving constructively to deal with them, Dr. Romney concluded.
Discussion. Mrs. Johnson thanked Dr. Romney for his summary of what she described as a very complicated and involved question. She inquired as to the reactions of the campuses, under Board policy, were the rules of the larger community and the regulations of the campus broken simultaneously?

Dr. Romney said he felt it would be difficult to set down a policy statement in which it was decreed in which cases the institution would take action first and in which cases the civil authorities would be called in, but rather that the institutions should have flexibility to act in their best judgment according to the circumstances.

President Clark suggested that one might begin first with the premise that, despite the claims of some students that to be charged by both the campus and the courts places them in double jeopardy, a student may, in fact, be in violation of both the college or university statute and the civil or criminal statute and must be liable for both. He continued that after this had been said, the institution can do some sorting out of the issues and because of questions of evidence say that certain matters will not be considered by the campus until they have been cleared by the court. He noted that Cornell University has done considerable work in this area. However, some cases are so individual, he continued, the institutions must be allowed maximum flexibility.

President Young noted another element affecting action taken which was the degree of involvement of people who are not students and thus could not be charged with violation of institutional regulations. It is difficult to know at the time of a disturbance how many of those involved are students and how many are not, and this is a factor in determining the best course of action to take.

Mrs. Johnson commented that often the issue is a matter of power and because the students have very little time on the campus and want a great deal of power, this desire forces them into very pronounced actions.

Governor Holmes commented that the Board had provided a positive guide for the institutions in its December 1968 policy statement. He said that if each of the institutions diligently pursues the objectives leading to this policy statement and really reflects in its actions a belief that students do have much to contribute and will be given a voice in governance, then it may be that some of the concerns of the Board will be academic. In this case, he said, the Board policy statement will prove to be one of the most important steps the Board has taken in a long time.

Mr. Payne agreed that the Board's policy on governance should be considered a positive statement of methods by which students can contribute to resolution of the problem areas of the institutions rather than a
confining statement spelling out the handling of particular student situations. He asked how much change had occurred in the last eight months in respect to the Board's recommendation for joint student-faculty committees.

Dr. Romney responded that traditionally in American education the faculties have a primary responsibility in the fields of curriculum, academic requirements, and similar matters. Generally speaking, in the decade of the 1950's, students manifested little interest in the kinds of things with which the faculty committees have traditionally dealt. But now, he said, students are interested in these things and, within the last year, there has been a substantial increase in the number of faculty committees having student members, especially those concerned with matters of special interest to students, such as admissions, curriculum, and academic requirements.

Mr. Layman asked if anyone was present representing the interinstitutional student committee. When it was noted no representative was present, Chancellor Lieuallen commented that notice should be taken of the student initiative which led to the formation of the interinstitutional student committee. He said the Board did not go to the students and ask for the organization so that it might have a student voice available, but rather the students sought opportunity for this kind of student voice to be heard. Chancellor Lieuallen continued that he thought the existence of the interinstitutional student committee should be given substantial credit for the fact that Oregon colleges and universities have avoided some of the more severe traumas experienced by some other institutions. He said he hoped this kind of a voice and organization could not only continue but be strengthened in the months ahead.

Board Action. The Board accepted the report as a progress report on efforts of the institutions to establish policies and practices in complete conformity with the December 1968 Board policy statement on institutional governance.

The long-range development plan of Oregon College of Education, which was approved by the Board in principle on December 7-8, 1964, reflected four major zones of general use:

1. The academic zone, in the southeast section of the campus.

2. The zone for student housing and food service facilities, in the northwest section.

3. The physical education-athletic zone, south of housing and west of the remaining academic units.

4. The student services zone - at the juncture of the other zones.
Subsequent to the approval of the development plan, the Board approved the following expansion of the campus boundaries:

1. January 25-26, 1965 - an additional 21.2547 acres to be utilized for dormitories, for physical education and athletic fields and for some automotive parking.

2. September 11-12, 1967 - an additional 8.73 acres to the north to provide for the building of a road bypassing the main campus.

3. October 23-24, 1967 - an additional 0.47 acres for future expansion for educational and general purpose, particularly the expansion of the library and related facilities.

These expansions increased the total area within the campus boundaries to approximately 102.55 acres (the exact figure is subject to adjustment following further study).

A review of field requirements for the physical education program at the College by institutional officials and the campus planners, Architects Lutes & Amundson of Springfield, has indicated a need for additional land. Consequently, in discussions with officials of the City of Monmouth concerning the proposed street improvement project for a by-pass route at the west and north edges of the campus, which would permit the vacation of portions of Monmouth Avenue and Church Street, consideration has been given to an extension of the western boundary of the campus north of Church Street to the same line as the present city limits. Engineering studies authorized by the city for the new by-pass route anticipate that the College will acquire a parcel of land, containing approximately 11.855 acres, which lies between the western boundary of the campus and the city limits north of Church Street. (As noted in a separate agenda item, an option has been obtained for the acquisition of this tract subject to appropriate action by the Board in authorizing the extension of the campus boundaries.) This additional land would be programmed for physical education and related activities.

With the concurrence of the Chancellor, President Rice recommended that the projected western boundaries of the campus of Oregon College of Education north of Church Street be revised to include an additional parcel of land containing approximately 11.855 acres within the present limits of the City of Monmouth, thus increasing the total area within the campus boundaries from about 102.55 acres to about 114.41 acres. It was also recommended that the proposed by-pass road be located within approximately one foot of the revised western boundary and the present northern boundary of the campus and that the appropriate Board officials be authorized to complete the arrangements with the City of Monmouth and others for the Street Construction Project within the expenditure limitation of $90,000 which was approved by the Board on June 10, 1969 (Priority No. 12 in listing of educational and general plant projects authorized by Chapter 664, Oregon Laws 1969).

The Board approved the recommendations as presented.
Meeting #376-11

September 8, 1969

Acquisition of Lauerman Property, OCE

By a separate docket item, a recommendation is being made to the Board to expand the campus boundaries of the Oregon College of Education. An option has been obtained from Mr. and Mrs. Carl H. Lauerman for the purchase of 11.855 acres of unimproved property located within the expanded projected campus boundaries of Oregon College of Education for $35,000, which is in line with Board appraisals. The property is to be used for physical education purposes and has a frontage on the north side of Church Street of approximately 325 feet and a north-south length of about 1,589 feet.

Since a perimeter road is to be constructed within the western and northern portions of the land recommended for purchase, but the Lauermans are to continue the ownership of the land adjacent to that being sold to the Board, they are to be given access rights to the proposed new roadway at four places over a state-owned strip of land one foot wide.

President Rice, with the concurrence of the Chancellor, recommended that the Board purchase the property as indicated for $35,000 with moneys to be provided from the General Fund appropriation for land acquisition authorized in Chapter 404, Oregon Laws 1967.

The Board approved the recommendation as presented.

Report of Completion of Laboratory Equipment Contract for Science Building, Second Unit, SOC

At the December 9, 1968, Board meeting, a report was made of the inspection and acceptance of the work performed by three of the four prime contractors for the Science Building, Second Unit, at Southern Oregon College. Since the work performed by the laboratory fixture contractor was not completed, it was not recommended for acceptance at that time.

Architects Payne & Struble and Southern Oregon College officials recommended that the work performed by the laboratory equipment contractor, Permalab-Metalab Equipment Corp., Los Angeles, be accepted as of January 31, 1969, subject to the completion of minor punch list items. Inadvertently, a report of the acceptance was not made earlier.

Details of the project budget were included in the minutes of the December 9, 1968, meeting of the Board.

The Board accepted the report as presented.
At the March 12, 1968, meeting, the Board authorized the purchase of the Atlantic-Richfield property for Southern Oregon College, resorting to condemnation, if necessary. Inasmuch as the Board's Office and the owner could not agree as to the fair market value of the property, condemnation action was instituted. The Circuit Court of Jackson County determined the value of the real property to be $60,000, and since the award was in excess of the final offer of the State, fees for the defendant's attorneys and other incidental costs were charged to the State.

The property was needed as part of the site for the construction of Green Springs Dormitory Complex and funds are provided as part of the project costs.

The Board accepted the report as presented.

Upon the recommendation of Southern Oregon College officials, the work performed by the construction contractors for the South Campus Central Heating Plant Addition, including central cooling, was accepted as of June 25, 1969, subject to the completion of a few minor items. A revised semifinal budget for the project is shown below in comparison with the budget reported to the Board on June 11, 1968:

<table>
<thead>
<tr>
<th>Project Costs</th>
<th>Revised Budget 6/25/69</th>
<th>Original Budget 6/11/68</th>
<th>Increase or (Decrease)</th>
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</thead>
<tbody>
<tr>
<td>Direct construction:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Work - Graff &amp; James, Medford</td>
<td>$46,996</td>
<td>$47,496</td>
<td>$(500) (1)</td>
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<tr>
<td>Mechanical Work (including Electrical Work) Western Mechanical, Inc., Medford</td>
<td>277,436</td>
<td>284,500</td>
<td>(7,064) (2)</td>
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<tr>
<td>Total direct construction costs</td>
<td>$324,432</td>
<td>$331,996</td>
<td>$(7,564)</td>
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<td>Professional services fees</td>
<td>22,057</td>
<td>16,992</td>
<td>5,065 (3)</td>
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<tr>
<td>Construction supervision, site work and miscellaneous costs</td>
<td>14,078</td>
<td>12,662</td>
<td>1,416</td>
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<tr>
<td>Contingencies</td>
<td></td>
<td>13,350</td>
<td>(13,350)</td>
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<tr>
<td>Total</td>
<td>$360,567</td>
<td>$375,000</td>
<td>$(14,433) (4)</td>
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<tr>
<td>Less - Funds budgeted from Chapter 599, Oregon Laws 1965, for Science Building, Second Unit</td>
<td>40,000</td>
<td>40,000</td>
<td></td>
</tr>
<tr>
<td>Net</td>
<td>$320,567</td>
<td>$335,000</td>
<td>$(14,433) (4)</td>
</tr>
</tbody>
</table>

*Including estimate of $65,000 for alterations to ventilating systems within Cascade Hall Complex and additional chilled water and return lines.
(1) Includes the deletion of underpinning existing footings at the south wall of the original heating plant and other changes incorporated within six approved change orders.

(2) Includes adjustments for the addition of a single chilled water distribution pump for the remodeled Library-Classroom Building; the addition of chilled water distribution piping to serve the area northwest of the remodeled Library-Classroom Building; the conversion of the cooling system in the Classroom, Laboratory and Office Building from its own water chilling system to operation on the central cooling system; the alterations to ventilating systems within the Cascade Hall Complex (bid and awarded separately to Western Mechanical, Inc., in the amount of $28,988; accepted as of August 1, 1969); the addition of a fill valve to the cooling tower storage tank system; and other changes incorporated within thirteen approved change orders.

(3) Includes fees for the architectural/engineering planning of air conditioning the kitchen-dining hall complex and lounges within a portion of the Cascade Hall Complex.

(4) The unencumbered balance would be used as an offset against the costs of other proposed capital outlay projects which received authorization from the 1969 Oregon Legislature, subject to the approval of the State Emergency Board.

Plans and specifications for the South Campus Central Heating Plant Addition, including central cooling, were prepared by J. Donald Kroeker & Associates, Consulting Engineers, Portland. Architect Robert J. Keeney of Medford was commissioned to do the design and construction supervision of the alterations to the mechanical systems within the Cascade Hall Complex.

Work included the construction of a 2,880 square foot addition to the heating plant building, the furnishing and installation of chilling equipment with a capacity of approximately 745 tons, chilled water and return lines to serve the Old Library-Classroom Building (recently remodeled), the second unit of the Science Building (completed in the fall of 1968), the kitchen, dining and lounge areas of the Cascade Hall Complex, and other work related to the central air cooling system at Southern Oregon College.

The project was financed from a combination of the General Fund appropriation in Section 1 of Chapter 404, Oregon Laws 1967 (or general obligation bonds under Article XI-G of the Oregon Constitution) for $210,292 and restricted fund balances from auxiliary enterprises operations and/or bond borrowings under Article XI-F(1) of the Oregon Constitution for $110,275. The costs for the air cooling work for the Science Building, Second Unit, were provided from an authorization within Chapter 599, Oregon Laws 1965.
RECAPITULATION UPON INSPECTION AND ACCEPTANCE

Project - SOC South Campus Central Heating Plant Addition, including central cooling

Engineers - J. Donald Kroeker & Associates, Portland

Architect - Robert J. Keeney, Medford (Cascade Hall Complex Mechanical systems)

Board's priority - No. 2 in 1967-1969

Approximate gross area - 2,880 square feet

Estimated total project cost (including $40,000 budgeted for cooling of the Science Building, Second Unit, in 1965-1967) $360,567

Estimated direct construction costs (including alterations to mechanical systems within Cascade Hall Complex and additional chilled water service lines to be contracted separately) $324,432

Financing plan:
General Fund appropriation in Section 1 of Chapter 404, Oregon Laws 1967 (or general obligation bonds under Article XI-G of the Oregon Constitution) $210,292

Restricted fund balances from auxiliary enterprise operations and/or bond borrowings under Article XI-F(1) of Oregon Constitution 110,275

General Fund appropriation within Chapter 599, Oregon Laws 1965 40,000

Total $360,567

The Board accepted the report as presented.

Acquisition of Homes Property, SOC

Pursuant to Board policy adopted October 22, 1968, the Vice Chancellor for Business Affairs has accepted the option of Mr. and Mrs. Clarence I. Homes for real property located within the approved projected campus boundaries at 1543 Webster Street, Ashland. The property consists of a lot containing approximately 7,448 square feet and is improved with a six-room frame residence. The option price of $12,600 is in line with appraisals obtained by the institution. The property is located in an area designated for physical education purposes and funds to finance the acquisition are to be provided from the General Fund appropriation authorized in Chapter 404, Oregon Laws 1967 for land acquisition.

The Board accepted the report as presented.
Architects Hewlett & Jamison and officials of Eastern Oregon College have filed with the Board's Office a copy of the completed design development of the proposed Education Building. This facility was assigned Priority No. 6 in the Board's listing of educational and general plant projects for 1969-1971 and was approved by the 1969 Oregon Legislature.

Generally, the design development conforms to the schematic design which was reviewed and approved by the Board on April 21, 1969; but a few minor modifications, such as the following, have been made as a result of further study and planning:

1. The orientation of the building has been modified by turning the building 90° to facilitate the flow of student traffic to the lecture hall. Students coming from other buildings on campus or from parking lots would be able to enter the lecture hall without going through the halls serving the remainder of the building.

2. Mechanical spaces have been consolidated into one area rather than being divided in two rooms.

Basically, the plans call for a two-story reinforced concrete building, with exterior walls of colored and textured concrete, to be located approximately 200 feet south of the Ackerman Laboratory School near the intersection of 8th Street and I Avenue. This site conforms to that contemplated in the long-range campus development plan.

The architects have revised their previous budget estimate for direct construction from $1,185,000 to $1,197,500, including $1,119,500 for the building and fixed equipment. Based upon the gross area of approximately 39,500 square feet, the revised direct construction costs, exclusive of site work and utility extensions, would average about $28.34 per square foot.

As noted during the presentation of the schematic design, the proposed Education Building would serve students and faculty in four divisions—Education—Psychology, Mathematics—Science, Humanities, and Social Science—Business. The lower level would include two general purpose classrooms (each fitted with folding partitions to accommodate smaller classes); a psychology laboratory and human learning laboratory; facilities for a speech and hearing clinic; data processing laboratory; a model classroom for teacher training; a large 200-student station lecture room sufficiently detached from the remainder of the building to permit use during evening hours and on weekends when other portions of the building may be locked; mechanical and other related service areas.

The second level would contain instructional laboratories for foreign languages, business education, statistics, and business administration and geography, offices for faculty and staff of the four divisions, a seminar room, conference room, and related service areas.
A total of 670 classroom and laboratory student stations and 48 office stations would be provided within the facilities. An elevator is planned for the movement of equipment and handicapped persons. Heating and cooling would be provided from the campus central utility plant.

With the concurrence of the Chancellor, President Rempel recommended that the design development of the Education Building at Eastern Oregon College be approved and that the appropriate Board officials be authorized to instruct the architects to complete the construction documents phase, solicit bids and award construction contracts within the expenditure limitation of $1,565,000, approved by the 1969 Legislature.

RECAPITULATION UPON COMPLETION OF DESIGN DEVELOPMENT PHASE

Project - EOC Education Building

Architects - Hewlett & Jamison, Portland

Legislative authorization - Chapter 664, Oregon Laws 1969

Board's priority - No. 6 in 1969-1971 (Educational and General Plant)

Approximate gross area - 39,500 square feet

Estimated project cost - $1,565,000

Estimated direct construction costs:
  Total (building only) $1,119,500
  Average (per square foot) - $28.34

Tentative schedule:
  Bidding - March 1970
  Completion - August 1971

Tentative financing plan:
  State funds (General Fund appropriation and/or Article XI-G bond proceeds) and offsets $1,565,000

During the discussion in response to a question regarding terminology, Mr. Hunderup explained that architectural planning had consisted previously of two stages, preliminary planning and final planning. The preliminary planning included two phases, the basic studies and the actual preliminary plans. The current arrangements with architects for the various phases of planning recognize: (1) the Schematic Design Phase, which corresponds with the former basic studies and is less detailed than the completed preliminary plans; (2) the Design Development Phase, which goes beyond the planning represented by the former preliminary plan stage up to the point of working drawings and final plans; and (3) the Construction Documents Phase which represents the completed final plans and specifications. Mr. Dork pointed out that the new arrangement is advantageous in that engineering services will be available earlier in the project plans, thus making it possible to have more accurate cost estimates for mechanical and electrical contracts.
It was indicated also that a revised master plan for the Eastern Oregon College campus would be presented at the October Committee meetings and that the location and use of the Ackerman Laboratory School would be discussed in connection with the master campus plan. Dr. Romney said that the role of the laboratory school in the preparation of teachers would be considered by the Academic Affairs Committee at a later time.

Board members expressed concern with the appearance of the outside stairwells. It was indicated that the outside stairs were intended to provide protection from the strong winds which prevail during the winter at La Grande. The outside stairwells also have the added advantage of permitting better use of the interior space in the building and providing easier access to the roof in case of fire.

The Board approved the recommendations as presented.

The 1969 Oregon Legislature appropriated $150,446 to the State Emergency Board to provide for the implementation of a Dental Hygiene program at Oregon Technical Institute if federal funds did not become available for all or a part of the expenditure requirements. A portion of the appropriation was intended to cover the costs of remodeling within the south interior section of the laboratory building, Semon Hall, to provide suitable dental clinic facilities for the instructional program.

Institutional officials and Architects Skidmore, Owings & Merrill have filed with the Board's Office copies of the plans and specifications for the proposed alterations in Semon Hall. The program calls for the development of one large clinic room to accommodate nine dental student units, the moving of the existing laboratory for the Dental Assistant coursework to an adjoining space, and the providing of laboratory furnishings and equipment.

The new dental clinic would have dwarf partitions separating the dental units for patient privacy and yet allowing overall supervision of the area. These units would be provided with X-ray viewing facilities, air and gas, and roughed-in utilities for connection of the portable dental hygiene units. Also, there would be a sink for each three to four units, plus a general instrument washing sink and sterilization area.

The new dental laboratory would be furnished with laboratory furnishings including acid-resistant working surfaces. Cabinets at each student station would contain a minimum of two drawers and one large compartment which could be locked. There would be air, gas, vacuum, electrical power and a reagent rack at each student station, and the clinic would have two sinks for general washing purposes.

The direct construction costs for the remodeling are estimated to be $53,150 exclusive of the dental units. The total project costs are estimated to be approximately $100,866, including $38,236 for movable equipment to be purchased through the State Purchasing Department. Approval for the project was obtained from the State Emergency Board on August 22, 1969.
With the concurrence of the Chancellor, President Purvine recommended that the plans and specifications for the alterations related to the dental hygiene clinic facilities in Semon Hall at Oregon Technical Institute be accepted and that the appropriate Board officials be authorized to solicit bids and award construction contracts within a project budget of approximately $100,866.

RECAPITULATION

Project - OTI Alterations to Semon Hall for Dental Hygiene Clinic Facilities

Architects - Skidmore, Owings & Merrill, Portland

Legislative authorization - Portion of the appropriation to the State Emergency Fund by the 1969 Legislature for the Dental Hygiene Program at OTI

Board's priority - Not applicable

Net assignable area - 2,400 square feet

Estimated total project costs - $100,866

Estimated direct construction costs - $53,150

Tentative time schedule:
  Bid date - September 1969
  Completion - January 1970

Tentative financing plan:
  General Fund appropriation to Emergency Board
  (or offsets through federal grants) $100,866

The Board approved the recommendations as presented.

Budget Addition for Accreditation Survey, OTI

President Purvine, with the approval of the Chancellor, recommended a budget addition of $2,400 from the Board's unappropriated funds at Oregon Technical Institute for an accreditation survey by the Engineering Technology Committee of the Engineers' Council for Professional Development in the following Bachelor of Technology programs:

  Highway Engineering Technology
  Structural Engineering Technology
  Surveying Engineering Technology
  Electronics Engineering Technology
  Engineering Drafting Technology
  Mechanical Engineering Technology

The estimated cost of the accreditation survey is $2,400.

The Board approved the recommendation as presented.
Pursuant to authorization granted previously by the Board, bids were received in Corvallis on July 23, 1969, for the construction of the proposed new Forestry Building, Peavy Hall, at Oregon State University. As adjusted for several deductive alternates exercised when contract awards were made to the low bidders following the concurrence of the U. S. Office of Education, these bids may be summarized as follows:

<table>
<thead>
<tr>
<th>Class of Work</th>
<th>No. of Bids</th>
<th>Low Bid</th>
<th>High Bid</th>
</tr>
</thead>
<tbody>
<tr>
<td>General work</td>
<td>5</td>
<td>$1,344,534</td>
<td>$1,574,488</td>
</tr>
<tr>
<td>Mechanical work</td>
<td>6</td>
<td>628,828</td>
<td>767,001</td>
</tr>
<tr>
<td>Electrical work</td>
<td>4</td>
<td>210,080</td>
<td>233,750</td>
</tr>
</tbody>
</table>

The sum of the lowest base bids (before deducting any alternates) was $2,284,596, or approximately 9.6 percent above the revised direct construction cost estimate of $2,084,105 which architects Hamlin, Martin & Schultz had indicated upon completion of the final plans and specifications.

By exercising most of the deductive alternates to delete all landscaping, certain items of fixed equipment, the elevator, the lockers for field equipment, etc., in the total amount of $101,154; by executing change order credits in the sum of $54,571 for various substitutions of finish materials, such as chalkboards, and for other minor items; and by reducing the budget allowance for movable equipment, it was possible to develop a satisfactory program for construction within the expenditure limitation of $2,365,000 which had been authorized for the project by Chapter 404, Oregon Laws 1967. The approved initial post-bid budget may be summarized as follows:

**Direct construction costs:**

General work - C. A. Lantz Construction Co., Salem  
Less - Change order credits  
Mechanical work - Western Mechanical Inc., Medford  
Less - Change order credits  
Electrical work - Electric Corp., Salem  
Net direct construction costs  
Professional services fees, including soil investigations, surveys, etc.  
Movable equipment  
Construction supervision ($18,000), balancing of mechanical systems ($10,000), printing and miscellaneous costs ($15,403)  
Contingencies (2 percent of direct construction costs)  
Total project costs

For the gross area of approximately 84,020 square feet, the direct construction costs of $2,128,871 average $25.34 per square foot.
A complete description of the building was included on page 493 of the minutes of the July 21, 1969, meeting of the Board. Basically, it is to be a three-level air-conditioned structure principally of wood construction with concrete utilized for the level below grade and with some brick veneer on the exterior surface of the main floor. It is to be located on the southwest corner of the intersection of Jefferson Way and the West Mall, very near the federal Forest Insect Research Laboratory.

In view of the bid overrun, institutional officials have been in contact with representatives of the forest industries in Oregon and have been assured that gift funds of between $100,000 and $200,000 would be made available within the next few weeks if the expenditure thereof would be approved by the Board and the State Emergency Board. These funds would be used to reinstate some of the deductive alternatives, to supplement the otherwise austere budget for movable equipment and furnishings, and perhaps also to cancel some of the initial change order reductions incorporated in the construction contracts.

With the concurrence of the Chancellor, Acting President Young recommended that the appropriate Board officials be authorized to seek the concurrence of the State Emergency Board in increasing the expenditure limitation for the Forestry Building at Oregon State University by $200,000, or as much thereof as may be realized from gifts and grants, in order to supplement the project budget above the level of $2,365,000 authorized by Chapter 404, Oregon Laws 1967.

RECAPITULATION UPON RECEIPT OF BIDS AND AWARD OF CONTRACTS

Project - OSU Forestry Building

Architects - Hamlin, Martin & Schultz, Eugene

Legislative authorization - Chapter 404, Oregon Laws 1967

Board's priority - No. 23 in 1967-1969

Approximate gross area - 84,020 square feet

Estimated total project cost (exclusive of increase of $200,000 for which approval of State Emergency Board is recommended) $2,365,000

Estimated total direct construction costs:
Total $2,128,871
Average (per square foot) - $25.34

Tentative schedule:
Contract award - August 1969
Completion - February 1971
Sources of funds (exclusive of gift funds of up to $200,000 for which expenditure approval of State Emergency Board is recommended):

- General Fund appropriation in Chapter 404, Oregon Laws 1967 (for architectural planning and related costs) $ 95,000
- General obligation bond borrowings under Article XI-G of Oregon Constitution 1,853,915
- Federal grant under Title I of Higher Education Facilities Act of 1963, as amended 416,085
- Total $2,365,000

The Board approved the recommendation as presented.

In connection with the utility tunnel project, Oregon State University has found it necessary to extend an 18-inch sewer line south along the Mall, requiring an easement to construct the line under the Southern Pacific Railroad right-of-way.

The University has negotiated without compensation a perpetual right-of-way to construct, reconstruct, maintain and operate an 18-inch sewer pipeline within a 36-inch casing beneath the property of Southern Pacific Railroad near the junction of the Mall (30th Street) and the railroad right-of-way.

Acting President Young, with the concurrence of the Chancellor, recommended that authorization be given to the appropriate Board officials to accept the easement.

The Board approved the recommendation as presented.

Acting President Young reports that Oregon State University proposes to accommodate 80 staff members in temporary offices on the third floor of Waldo Hall. This area has previously been sealed off but has now been approved for office use by city and state fire marshals. It was proposed that physical plant operating costs of $12,180 be provided for year 1969-70 from the Board's Reserve for Operation of New Buildings. The amount provides 70 cents per square foot for the 17,401 square feet of gross area being placed in operation.

The Board approved the recommendation as presented.

Real property purchases have been made for Oregon State University by the Vice Chancellor for Business Affairs as follows:

1. Lot of 11,300 square feet, improved with one and one-half story frame residence with attached garage which includes a small shop, at 1915 S. W. Western Boulevard, Corvallis, from Mr. and Mrs. Harvey Aft for $17,650.
2. Lot of 6,350 square feet, improved with two-story frame residence, at 1905 S. W. Western Boulevard, Corvallis, from Mrs. Ethel M. Bates for $8,625.

The two properties are located in an area designated for dormitory development and purchase funds are provided from the proceeds of the sale of Article XI-F(1) bonds.

The Board accepted the report as presented.

Agreement for Site of Fish Commission Research Laboratory Facilities at Yaquina Bay Marine Science Center, OSU

The Board on March 13, 1962, authorized the leasing from the Port of Newport of 32 acres of land to be used as a site for the Yaquina Bay Marine Science Center for Oregon State University. Said lease, effective on April 1, 1962, was to extend for 50 years, with an option to renew for an additional 49 years. The site could be used by the University and cooperating governmental bodies for the construction of buildings, docks, moorage and other facilities for research and instruction relating to oceanography, water quality, fisheries and marine life.

The Oregon State Game Commission has been working actively with the University in the program being conducted at the Center, and building space has been provided temporarily to the Commission.

The appropriation to the Fish Commission for the current biennium provided in Oregon Laws 1969, Chapter 201, includes an item which would permit the Commission to construct a $233,000 research laboratory building at the Center. Because of the mutual benefits which would result from such construction, Oregon State University and Fish Commission personnel have formulated a proposed lease of a site for the construction and servicing of said proposed research laboratory building. The main features of the proposed agreement are as follows:

1. The agreement shall be in effect until March 31, 2012. Renewal may be made if mutually agreeable to all parties.

2. The Board would lease to the Commission about .36 acres to the west of the west wing of the main laboratory building of the Marine Science Center. The site would provide space not only for the new research laboratory but also for possible future expansion and an open-air work area.

3. The proposed research laboratory would be approximately 160'8" by 56'0" and would have an exterior appearance compatible with existing buildings. Plans for the laboratory are subject to review and approval by the Board insofar as they relate to the location and size, exterior details, and utility services.

4. The new building and facilities would be operated by personnel of the Fish Commission in the conduct of its regular business and compliance with policies and procedures established by the University for the administration of the Marine Science Center.

5. The Commission will reimburse the University for an appropriate allocation of common operating costs.
6. The Commission will make the facilities available to the University for its use in the event that it becomes excess to the Commission's needs.

7. The agreement is automatically to be terminated if for any reason the underlying lease of the site of the Center by the Port of Newport to the University is terminated.

With the concurrence of the Chancellor, Acting President Young recommended that the appropriate Board officials be empowered to enter into an agreement, the main features of which are noted above. It was also recommended that the Board's Office be authorized to review and approve the plans and specifications for the proposed facilities.

The Board approved the recommendations as presented.

On page 613 of the minutes of the Board meeting of December 12, 1967, reference is made to Oregon State University's having been designated as the residuary legatee under the provisions of the will of an unnamed deceased person. Authorization was given to enter into a compromise agreement with parties involved in litigation of the bequest, the essential features of which agreement were provided to the Board by letter of November 11, 1967. Said agreement was executed.

At said Board meeting, the Executive Committee and the Chairman of the Finance Committee were empowered to grant authority to the Vice Chancellor for Business Affairs as developments and prudence required. By his letter of May 3, 1969, to the four Board members, authorization was sought to enter into an agreement to settle the curtesy rights of the spouse of the deceased person. Report is now made that said authorization was given and an appropriate agreement entered into.

The Board accepted the report as presented.

For about two years the Weyerhaeuser Company has been supporting studies and experimental work, conducted by the University of Oregon under the supervision of Dr. Russell J. Donnelly, Professor of Physics, relating to controlling the release of odors originating in industrial operations. The support thus far has amounted to approximately $46,600, including reimbursement of indirect costs at the federal government rate. Weyerhaeuser Company has indicated an interest in continuing research and development in this field and is evaluating a number of possible processes for industrial application. Further involvement of the University in the program, though, is conditioned upon an agreement providing for the disposition of inventions emanating from the research. The essential features of the proposed agreement include the following:

1. The term is to be from September 14, 1967, to June 30, 1972, with extensions to be made by Weyerhaeuser's giving written notice to the University 30 days prior to the expiration of said term, or any extension thereof, and the University's
accepting such extension. The agreement may be terminated on 30-days' written notice by either the University or Weyerhaeuser.

2. The University agrees to become familiar with the company's premises and operations and take all reasonable precautions to avoid damage to persons and property. The University assumes the risk of injury to University personnel and damage to its property and that of its employees, representatives, or agents in connection with the performance of services under the agreement. The University shall provide workman's compensation or equivalent coverage for its employees.

3. The University agrees to disclose promptly all designs, ideas, discoveries, inventions or improvements thereto, whether patentable or not, during the term of the agreement and relating thereto, and such developments are to be the property of Weyerhaeuser.

4. The University is to keep adequate records of all work done under the agreement and to turn such records over to Weyerhaeuser upon termination of the agreement along with allied documents, records, drawings, etc.

5. The University is to use reasonable care to prevent disclosure to third parties of Weyerhaeuser's proprietary information.

6. The University has the right to publish the results of the research provided that drafts of publications are first submitted to Weyerhaeuser for review. Weyerhaeuser has the right to delay publication until the subject thereof has been incorporated in patent applications. Acknowledgement is to be given to Weyerhaeuser's participation unless they advise in writing to the contrary.

7. The University is to assist Weyerhaeuser in perfecting and maintaining domestic and foreign patent rights for developments under the agreement, but the University is to be compensated for expenses in complying with Weyerhaeuser's requests.

8. Weyerhaeuser will reimburse the University for previously authorized expenses. Equipment and other personal property purchased or developed by the University with Weyerhaeuser funds shall be property of Weyerhaeuser.

9. Weyerhaeuser agrees to share net royalties received from licenses under patent applications or patents where personnel of the University are designated as inventors. No royalties will be shared until Weyerhaeuser has received a return of all expenses directly related to the agreement and work performed by Weyerhaeuser, its consultants and agents under the agreement, including the cost of bringing the subject matter of such licenses to commercial status. The sharing
of net royalties will be on the basis of 75 percent to Weyerhaeuser and 25 percent to the University. In the event of termination of the agreement, such termination will not apply to sharing of net royalties on disclosures already made.

President Clark, with the concurrence of the Chancellor, recommended that Board officials be authorized to enter into an agreement with Weyerhaeuser Company along the lines indicated.

Dr. Russell J. Donnelly, Professor of Physics, said that the next stage of the research program in which he is engaged would be considerably larger than the one presently being conducted, and that both he and the Weyerhaeuser Company wished to have an appropriate written agreement before beginning the next phase of the research. He said that the results of the present research had been very encouraging and that it was anticipated that patents would be obtained on the process within the next few months. Dr. Donnelly indicated that in his experience it was somewhat unusual to have a company that is paying all of the costs for an admittedly very experimental research program to offer to share with the university the proceeds of any royalties. Furthermore, although the company owns the equipment, it has been very generous in making it available for the research. Dr. Donnelly said also that he believed it was important for the State System through its universities to cooperate with industries in dealing with the problems of public concern.

The Board approved the recommendation as presented.

Report of Appointment of Architects for Erb Memorial Union Addition, UO

Upon the recommendation of institutional officials, arrangements have been made for the professional services of The Office of Charles Colburn and George Sheldon, Architects, Portland, and Lutes & Amundson, Associated Architects, Springfield, a joint venture, for the design and construction supervision of the proposed Addition and Alterations to the Erb Memorial Union at the University of Oregon. This project, which was included in the listing of auxiliary enterprises for 1969-1971 as Priority Number 28, is expected to cost approximately $2,785,000 and to contain a gross area of about 68,000 square feet. A brief description of the project was outlined in the minutes of the March 10, 1969, meeting of the Board in connection with the revision of the capital outlay program for auxiliary enterprises at the University of Oregon. On the assumption that the direct construction costs will be approximately $2,300,000 for the sum of separate contracts for the general, mechanical and electrical work when bids might be solicited, the professional services fee rate for new construction will be 7.25 percent. If the construction cost is larger, the fee rate would be lower; but if the cost is smaller, the fee rate would be higher.

For their services in master planning of student union facilities for the University, involving the physical siting of future additions and a determination of the capacities of the site and the present building to accommodate future additions, the architects are to be compensated on a time and materials basis not to exceed $5,000.
Funds required for the master planning and schematic design phase are to be provided from restricted funds available to the University of Oregon from auxiliary enterprise operations and/or from student building fees.

The Board accepted the report as presented.

Pursuant to authorization granted by the Board on July 21, 1969, bids were received in Eugene on August 19 for the construction of the proposed addition and alterations to Lawrence Hall at the University of Oregon. These bids were based upon revised plans and specifications prepared by Architects Campbell-Yost & Partners and have been adjusted to include some remodeling work in the existing building which was bid as additive alternates:

<table>
<thead>
<tr>
<th>Class of Work</th>
<th>Number of Bids</th>
<th>Low Bid</th>
<th>High Bid</th>
</tr>
</thead>
<tbody>
<tr>
<td>General work</td>
<td>4</td>
<td>$ 869,650</td>
<td>$ 959,297</td>
</tr>
<tr>
<td>Mechanical work</td>
<td>3</td>
<td>201,906</td>
<td>229,307</td>
</tr>
<tr>
<td>Electrical work</td>
<td>4</td>
<td>87,728</td>
<td>125,183</td>
</tr>
</tbody>
</table>

The approved post-bid budget for the project is summarized below:

Direct construction costs:
- General Work - Robert D. Morrow, Inc., Salem $869,650
- Mechanical Work - Chase Company, Eugene 201,906
- Electrical Work - McPheeters Electric Co., Eugene 87,728
- Total direct construction costs $1,159,284

Professional services fees, including soil investigations, etc. 91,352
Movable equipment 57,000
Landscaping 6,000
Construction supervision and miscellaneous costs 14,415
Contingencies (approximately 3 percent of direct construction costs) 33,949
- Total $1,362,000

The project is to be financed from the General Fund appropriation in Chapter 404, Oregon Laws 1967, and from bond borrowings under the provisions of Article XI-G of the Oregon Constitution. The expenditure limitation approved by the 1967 Legislature was in the total amount of $1,645,000, including the allocation of $283,000 obligated previously for the relocatable fine arts units constructed north of the Millrace. (A report of the completion of this earlier phase of the work was made to the Board on June 10, 1969.)

RECAPITULATION UPON RECEIPT OF BIDS AND CONTRACT AWARDS

Project - UO Classroom, Office, Teaching Center: Architecture and Allied Arts and General Purpose Educational

Architects - Campbell-Yost & Partners, Portland
Legislative authorization - Chapter 404, Oregon Laws 1967

Board's priority - No. 15 in 1967-1969

Approximate gross area - 43,688 square feet

Estimated total project cost (exclusive of $283,000 allocated for North Site Arts Buildings) $1,362,000

Estimated direct construction costs:
  Total $1,159,284
  Average (per square foot) - $26.54

Tentative schedule:
  Contract award - August 1969
  Completion - November 1970

Sources of funds:
  General Fund appropriation in Chapter 404, Oregon Laws 1967, and/or general obligation bond borrowings under Article XI-G of the Oregon Constitution $1,362,000

The Board accepted the report as presented.

Bids for the construction of the two major projects at the University of Oregon Medical School which had been authorized by the 1967 Legislature were opened in Portland at 7:30 P.M. on August 14, 1969. As adjusted for the deduction of various "nonprogram" alternates (described hereinafter), these bids may be summarized as follows:

<table>
<thead>
<tr>
<th>Class of Work</th>
<th>No. of Bids</th>
<th>Low Bid</th>
<th>High Bid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Hospital Addition and Alterations:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Work</td>
<td>1</td>
<td>$4,542,700</td>
<td>$4,542,700</td>
</tr>
<tr>
<td>Mechanical Work</td>
<td>2*</td>
<td>1,571,900</td>
<td>1,760,300</td>
</tr>
<tr>
<td>Electrical Work</td>
<td>2</td>
<td>724,670</td>
<td>804,808</td>
</tr>
</tbody>
</table>

| Basic Science Classroom and Laboratory Building: |     |             |             |
| General Work                  | 3   | $3,108,820  | $3,441,800  |
| Mechanical Work               | 3   | 1,498,650   | 1,748,000   |
| Electrical Work               | 4   | 541,565     | 696,365     |

*Excluding bid alleged to contain a substantial error. Bidder has requested the withdrawal thereof without penalty.

Although bidders for the general work contracts were given an option to submit a combined bid for all classes of work for each building and for both buildings, no bids were received on that basis. Several bidders for the mechanical and electrical work offered a deduction from the amount of the base bids if contracts were awarded to them simultaneously for both jobs. The amounts indicated in the tabulation above do not reflect such adjustments.
A consolidated budget based upon the lowest of these bids would require expenditures of approximately $13,901,169, or $2,020,237 more than the combined expenditure limitation of $11,880,932 which the Board and the State Emergency Board had approved previously. Most of this excess cost relates to the hospital unit. As noted from the attached "Tentative Budget Requirements Assuming Deduction of All 'Nonprogram' Alternates from Bids Received August 14, 1969," the portion of the deficit applicable to the basic science unit designed by Architects Campbell-Yost & Partners, Portland, is only $75,609, or 1.3 percent of the earlier estimate of $5,803,497 for that project. The deficit of $1,944,628 indicated for the hospital expansion designed by Architects Edmundson, Kochendorfer and Kennedy, Portland, represents about 32.0 percent of the prebid budget for that facility.

Efforts to obtain the interest of several other contractors, both local and out-of-state, in bidding the general work contract for the teaching hospital addition and alterations on August 14 were unsuccessful. Only Paul B. Emerick Company submitted a quotation for this phase of the work. Subsequent to the bid opening, Mr. Paul E. Emerick and other officials of the company have assisted the architects and institutional personnel in analyzing the major differences between the bid figures and the prebid estimates which the architects had prepared with the help of several professional consultants. One of the greatest differences was noted in the interpretation of site difficulties, including the removal of soil and rock on the slope below Sam Jackson Park Road; but the amount of subcontract quotations for plastering, finish hardware, aluminum windows, concrete, fixed equipment, terrazzo, etc. were substantially higher than estimated. In many instances, these sub-bids were more than 50 percent above the amounts included in the prebid figures. The proposed alterations in the existing building were also bid at higher amounts than anticipated. Mr. Emerick has reported that there was considerable interest in the project by subcontractors and he has reaffirmed the bid of his company.

Although institutional and Board officials projected some savings if new bids were solicited for at least the general work contract on the hospital job, it appeared doubtful that present resources authorized for these two interrelated building projects would be sufficient to proceed with construction consistent with the program commitments outlined in the grant applications approved by the U. S. Public Health Service. The terms and conditions of the grants are quite specific in requiring approvals of all plans and specifications and in denying further federal participation in meeting any excess costs as a result of bid overruns. If changes are to be made in any program aspects, they must be reviewed by the appropriate advisory council(s) and could result in the cancellation of the grant awards, particularly since applications for support exceed substantially the funds available to the agency. Representatives of the agency have indicated, for example, that some of the bid alternates would affect the program which had been approved and such alternates may not be exercised unless assurance is provided that before the construction is completed, these alternates will be reinstated. Thus, the bid figures noted first above reflect the deduction of only "nonprogram" alternates, such as the substitution of certain building materials.
Following a suggestion that certain portions of the project costs, including movable equipment and the "program" alternates for both buildings, might be deferred until 1971 when a deficiency appropriation might be requested from the next legislative assembly, arrangements were made for a conference in Salem on August 29 to discuss the problems informally with certain legislators, representatives of the Executive Department, legislative fiscal office, the Board (President Layman and the chairmen of the finance and building committees, Messrs. Holloway and Joss), the institution and the Board's Office. There was a consensus that the bid for the general work contract for the hospital addition should be rejected and that efforts should be made to seek the concurrence of the granting agency to relax or waive its requirement that there be no changes in the program without sacrificing the grant funds. Revisions would need to be made promptly in the plans and specifications for the hospital so that new bids could be solicited at least for the general work, possibly also for the mechanical and/or the electrical work. Requests for 60-day extensions are being made to the bidders on the Basic Science Classroom and Laboratory Building in order to avoid, if possible, having to rebid that unit while efforts are being made to resolve the problems relating to the hospital construction.

One of the suggestions from legislators participating in the discussion was that the Board should reexamine the whole question of expansion at the University of Oregon Medical School in view of actions of the recent legislative assembly in restricting the rate of growth of graduate enrollments, the granting of University status to Portland State, the critical needs for capital outlay projects at other institutions, etc. Reference was made to the voters' rejection of additional taxes and the substantial increases which would be required in operating costs when and if these new facilities at the Medical School are completed.

The Board will recall that the Teaching Hospital Addition and Alterations had been included as Priority No. 11 in the 1967-1969 capital outlay program at an estimated cost of $5,645,000—all from state funds. During the legislative session in 1967, a proposal was made and approved to include authorization also for the Basic Science Classroom and Laboratory Building at an estimated cost of $5,600,000 upon the assumption that sufficient grant funds would be sought to make it possible to build both buildings with no greater participation from state funds than the $5,645,000 requested for the hospital expansion. Actually, the grants for research facilities and for manpower—based upon a commitment to increase the size of the entering class of medical students to 112 as compared with an earlier class size of 83—were approved in the total amount of $5,987,941 and gift funds of $247,991 were added to the project to cover the purchase and installation of X-ray therapy equipment, including a Betatron for cancer research. Thus, the total resources authorized are in the amount of $11,880,932, as reflected on the attached schedule entitled "Comparison of Budget Resources and Budget Requirements." This schedule also identifies several additional resources in the sum of $225,000 which might be applied during 1969-1971, subject to approval of the Board and the State Emergency Board.
Board members were furnished with several other analyses of the bids, including prebid and postbid budgets, as follows:

"Analysis of Direct Construction Costs" (showing amounts of the estimates and the lowest bids on a square foot basis and as a percentage for each class of work--general, mechanical and electrical)

"Analysis of Bids Received August 14, 1969" (showing a comparison of allowances indicated to the project architects with the amounts of the lowest bids received)

"Summary of Initial and Supplemental Budget Requirements" (showing in columnar form the expenditures applicable to contract awards and the expenditures which might be deferred to a later time pending approval of a deficiency appropriation in 1971, if required)

"Recapitulation of Prebid Budgets Prepared March 24, 1969" (showing the estimated requirements for each project. It should be emphasized that the Board and the State Emergency Board authorized the total of $11,880,932 and did not establish an expenditure limitation for each project)

The only other capital outlay project approved for 1967-1969 which is not completed or under construction is the proposed "Science Building, Third Addition, and Central Cooling" at the University of Oregon. It was assigned Priority No. 3 and has an expenditure limitation of $3,855,000. Revised plans and specifications are now being completed by Architects Skidmore, Owings and Merrill and the concurrence of granting agencies to solicit bids therefor is expected to be obtained within the near future. All other projects authorized by the 1967 Legislature have been bid.

With the concurrence of the Chancellor, Dean Holman recommended that the appropriate Board officials be authorized to (1) reject the bid received August 14, 1969, for the general work contract on the proposed Teaching Hospital Addition and Alterations; (2) reject the bids received for the mechanical work/and or electrical work, or obtain time extensions from such bidders while new bids are solicited for at least the general work contract; (3) instruct Architects Edmundson, Kochendoerfer and Kennedy to make revisions in the plans and specifications for the hospital expansion in an effort to reduce the costs of the project; (4) seek extensions of time from the bidders on the Basic Science Classroom and Laboratory Building pending a resolution of problems on the hospital project, if possible; (5) assist officials of the University of Oregon Medical School, to the extent necessary, in seeking waivers of program elements upon which the grant assistance was obtained from the U. S. Public Health Service, and in deferring the deadline by which construction must be underway; and (6) take such other action as may be required to expedite the formulation of a request to the State Emergency Board for authority to proceed with the construction of both buildings within a revised expenditure limitation.
In response to the suggestion that the Board reexamine the question of priorities insofar as they may have a bearing on the decision to increase the size of the entering class of medical students and thus require substantial expenditures for capital outlay (for not only the Teaching Hospital Addition and Alterations and for the Basic Science Classroom and Laboratory Building, but also the future remodeling of the Medical Science Building and the Administration Building) and for increased operating costs, Dean Holman and the Chancellor recommended that the Board reaffirm its earlier actions in seeking to make these improvements at the University of Oregon Medical School.

The following two summary analyses show the budget resources available for the projects compared with the project requirements.
UNIVERSITY OF OREGON MEDICAL SCHOOL

TEACHING HOSPITAL ADDITION AND ALTERATIONS AND BASIC SCIENCE CLASSROOM AND LABORATORY BUILDING

Tentative Budget Requirements Assuming Deduction of All "Nonprogram" Alternates from Bids Received August 14, 1969

<table>
<thead>
<tr>
<th></th>
<th>Teaching Hospital Addition and Alterations</th>
<th>Basic Science Classroom and Laboratory Building</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Todd Building Company, Roseburg</td>
<td></td>
<td></td>
<td>3,108,820</td>
</tr>
<tr>
<td>Mechanical work - Lord Broa Contractors, Inc., Portland</td>
<td>1,571,900</td>
<td>1,498,650</td>
<td>3,070,550</td>
</tr>
<tr>
<td>(Less - Deduction allowed for joint award)</td>
<td>(2,830)</td>
<td>(2,670)</td>
<td>(5,500)</td>
</tr>
<tr>
<td>Electrical work - Christenson Electric, Inc., Portland</td>
<td>724,670</td>
<td>541,565</td>
<td>724,670</td>
</tr>
<tr>
<td>W. R. Grasle Co., Portland</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total direct construction costs</td>
<td>$6,836,440</td>
<td>$5,146,365</td>
<td>$11,982,805</td>
</tr>
</tbody>
</table>

| Professional services fees:                  |                                            |                                               |          |
| Site survey                                  | $1,707                                    | $1,072                                       | $2,779   |
| Soil investigations                          | 2,615                                     | 6,040                                        | 8,655    |
| Food service consultants (incl. extra travel of $693) | 6,443                                    |                                               | 6,443    |
| Elevator consultants                         | 2,800                                     |                                               | 2,800    |
| Design and construction supervision - 6.66% of $6,836,440 | 455,307                                  |                                               | 455,307  |
| 6.00% of $5,146,365                          |                                           | 308,782                                      | 308,782  |
| Total professional services fees             | $468,872                                  | $315,894                                     | $784,766 |

| Furnishings and equipment:                   |                                            |                                               |          |
| X-ray therapy and Betatron equipment (incl. fees and contingencies) | $247,991                                  | $247,991                                      |          |
| Other                                         | 290,931                                   | 276,420                                      | 567,351  |
| Total furnishings and equipment               | $538,922                                  | $276,420                                     | $815,342 |

| Construction supervision                     | 32,500                                    | 30,000                                       | 62,500   |

| Landscaping and miscellaneous costs          | 8,600                                     | 7,500                                        | 16,100   |

| Contingencies (2% of direct construction costs) | 136,729                                  | 102,927                                      | 239,656  |

| Total                                         | $8,022,063                                | $5,879,106                                   | $13,901,169 |
| Budget                                        | 6,077,435                                 | 5,803,497                                    | 11,880,932 |
| Deficit                                       | $1,944,628                                | $75,609                                      | $2,020,237 |

% of budget: 32.0%  1.3%  17%

Office of Facilities Planning
August 26, 1969
### TEACHING HOSPITAL ADDITION AND ALTERATIONS AND BASIC SCIENCE CLASSROOM AND LABORATORY BUILDING

Comparison of Budget Resources and Budget Requirements

<table>
<thead>
<tr>
<th>Teaching Hospital Addition and Alterations</th>
<th>Basic Science Classroom and Laboratory Building</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Budget resources reported to State Emergency Board on December 12, 1968:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Fund appropriation in Section 1 of Ch. 404, O.L. 1967, or bond borrowings issued pursuant to provisions of Article XI-G of Oregon Constitution</td>
<td>$2,678,207</td>
<td>$2,923,043</td>
</tr>
<tr>
<td>Federal grant approved by U.S. Public Health Service</td>
<td>3,107,487</td>
<td>2,880,454</td>
</tr>
<tr>
<td>Gift funds (for special x-ray therapy equipment, incl. purchase &amp; install. of Betatron)</td>
<td>247,991</td>
<td>-</td>
</tr>
<tr>
<td>Building use credits</td>
<td>43,750</td>
<td>-</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>$6,077,435</td>
<td>$5,803,497</td>
</tr>
<tr>
<td><strong>Budget requirements, assuming deduction of all &quot;nonprogram&quot; bid alternates</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8,022,063</td>
<td>5,879,106</td>
<td>13,901,169</td>
</tr>
<tr>
<td><strong>Net deficit</strong></td>
<td>$1,944,628</td>
<td>$75,609</td>
</tr>
<tr>
<td><strong>Less - Estimated reductions from revising plans &amp; specifications and rebidding or negotiation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>284,140</td>
<td>-</td>
<td>284,140</td>
</tr>
<tr>
<td><strong>Net deficit, as adjusted</strong></td>
<td>$1,660,488</td>
<td>$75,609</td>
</tr>
<tr>
<td><strong>Less - Possible deferrals pending deficiency appropriation in 1971:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Furnishings and equipment</td>
<td>$290,931</td>
<td>$276,420</td>
</tr>
<tr>
<td>'Program' bid alternates deducted from initial contract awards (plus architects' fees)</td>
<td>204,734</td>
<td>189,778</td>
</tr>
<tr>
<td>Fixed equipment items</td>
<td>274,234</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total possible deferrals</strong></td>
<td>$769,899</td>
<td>$466,198</td>
</tr>
<tr>
<td><strong>Net deficit, as adjusted for deferrals</strong></td>
<td>$890,589</td>
<td>$(390,589)</td>
</tr>
</tbody>
</table>

Additional resources which might be applied during 1969-1971, subject to approval of State Emergency Board:

"Savings" on other 1967-1969 capital outlay projects financed from state funds | $36,379 |
| State funds appropriated by Ch. 404, O.L. 1967, for land purchases but authorized for capital outlay projects by State Emergency Board on January 12, 1969 | 113,187 |
| Balance of Series 1964 bond borrowings issued under Article XI-G | 37,575 | 37,859 | 75,434 |
| **Subtotal** | $225,000 | 500,000 |
| **Net deficit, as adjusted for deferrals (noted above)** |                                               |       |
| **Difference** |                                               |       |
| $275,000 |

Office of Facilities Planning
August 27, 1969

JIH: bd
During the Board discussion, Mr. Holloway indicated that due to lack of funds the number of beds and other needed facilities were cut back substantially at the time the Teaching Hospital was constructed. He said that the decision to apply for federal financial assistance to provide facilities for an increase in the medical student enrollment had received very careful study and that in his opinion it would be a most retrogressive step for the Board to repudiate that earlier decision.

Mr. Holloway suggested that when the procedures to be recommended have been determined a meeting be arranged with those legislators and state officials who attended the recent conference or with the Emergency Board in order to provide an opportunity to review with them the details that went into the Board's decision to apply for the federal funds.

Mr. Joss said that there will be a high priority placed on the completion of the total project and that as a result it will affect all of the institutions in the State System. He also said that alterations to the medical science unit would perhaps require several million dollars. In addition, legislators have pointed out that the added construction would cause increased operating expenses.

Mr. Joss then reviewed prior recommendations relating to the teaching hospital. He said that in 1961 Dean Baird had proposed the conversion of one 40-bed floor of the State Tuberculosis Hospital to the medical and surgical needs of the Teaching Hospital, but this was not approved and Dean Baird was instructed to prepare a plan to cover the necessary additions to the Teaching Hospital. Dean Baird submitted essentially the same proposal to the 1963 Legislature and was instructed again to study the additional needs of the hospital and be prepared with plans and estimated costs for the 1965 Legislature.

Mr. Joss indicated that the current estimate of the number of beds required in the Teaching Hospital is not much greater than the estimates made twelve to fifteen years ago, and the added requirements are primarily the result of new developments in medicine during the past few years. Mr. Joss said that in view of the importance of the Medical School to the health of Oregon and the nation, it was necessary to give this project top priority, but he emphasized that such a course of action will have an impact on the pressing requirements of the other institutions.

Dean Holman said that it was originally estimated in 1951 that 350 beds would be needed to meet the requirements of the Teaching Hospital and that this was cut back to approximately 270 beds because of construction costs at the time construction of the hospital was begun in 1953. The presently proposed project would provide approximately 400 beds, a number only slightly larger than originally estimated in 1951. He pointed out that the beds in the teaching hospital are important to other instructional programs in addition to that for the medical students. They are used in the nursing program, medical technology program and other training programs.
In response to a question from the Chancellor, Dean Holman said that if the proposed teaching hospital addition and basic science building were constructed in biennium 1969-1971, and if the alterations proposed for the 1971-1973 biennium were approved and completed, it would meet the needs for the proposed expansion of the training programs in medicine as far as they can be foreseen at the present time.

Mr. Hunderup called attention to the fact that if all available resources were utilized, it would still be necessary to identify an additional source for approximately $275,000. This might require seeking Emergency Board funds, or it might be possible to obtain from the U. S. Public Health Service approval of certain program adjustments to reduce the construction costs.

The Chancellor said that the following alternatives had been considered in addition to the proposal recommended to the Board:

(1) Building only the basic science building at this time;

(2) Postponing the construction entirely until the required funds are available;

(3) Abandoning the project.

In the discussion of these alternatives, it was mentioned that the federal funding would not be available if the program were changed. It was stated also that the Teaching Hospital was of greater importance to the institution than the basic science building because construction of the basic science building without the additional beds in the Teaching Hospital would make the present situation even more difficult. Sufficient funds are not available to construct only the teaching hospital if it were to be constructed entirely from state money.

The Board approved the recommendations, made by Dean Holman and the Chancellor, as outlined on page 639.
Upon the recommendation of Engineers J. Donald Kroeker & Associates and University of Oregon Dental School officials, the work performed by the construction contractors for the Addition of Cooling was accepted as of April 15, 1969, subject to the completion of a few minor items. Inadvertently, the report of such acceptance was omitted from the docket of subsequent meetings of the Board.

A revised semifinal budget for the project is shown below in comparison with the budget reported to the Board on January 23, 1968:

<table>
<thead>
<tr>
<th>Project costs:</th>
<th>Revised Budget 4/15/69</th>
<th>Original Budget 1/23/68</th>
<th>Increase or (Decrease)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Well Drilling - R. J. Strasser</td>
<td>$23,065</td>
<td>$23,065</td>
<td>$ -</td>
</tr>
<tr>
<td>Drilling Co., Portland</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other - Lord Bros. Contractors, Inc., Portland</td>
<td>165,431</td>
<td>154,480</td>
<td>10,951 (1)</td>
</tr>
<tr>
<td>Total direct construction costs</td>
<td>$188,496</td>
<td>$177,545</td>
<td>$10,951</td>
</tr>
<tr>
<td>Professional services fees</td>
<td>9,425</td>
<td>8,877</td>
<td>548</td>
</tr>
<tr>
<td>Physical Plant expense, including</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>construction supervision and</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>miscellaneous costs</td>
<td>7,079</td>
<td>6,992</td>
<td>87</td>
</tr>
<tr>
<td>Contingencies</td>
<td>-</td>
<td>11,586</td>
<td>(11,586)</td>
</tr>
<tr>
<td>Total</td>
<td>$205,000</td>
<td>$205,000</td>
<td>$ -</td>
</tr>
</tbody>
</table>

(1) Includes the cooling of two lecture rooms on the fourth and fifth floors which had been bid as alternates; modifications to the filtering system in the ventilation air supply serving the clinic area of the Dental School; revisions to a return air exhaust to eliminate dust into a supply plenum and other work incorporated in eight approved change orders.

Plans and specifications for the Addition of Cooling were prepared by Engineers J. Donald Kroeker & Associates of Portland. The work included the installation of a centrifugal-type water chiller, condenser water cooling system, settling tank, heat exchangers, piping and controls, together with alterations and adjustment to the present air systems, including the addition of cooling coils, and the installation of additional air supply units, etc., within the lower floors of the Dental School Building.

The sources of funds for the project were as follows: approximately $20,3007 was allocated from the General Fund appropriation in Chapter 599, Oregon Laws 1965; and the remainder of approximately $184,693 was financed from redirected auxiliary enterprises net income and student building fees.
RECAPITULATION UPON INSPECTION AND ACCEPTANCE

Project - UODS Central Water Chilling for Ground, First, Second and Third Floors of Dental School Building

Engineers - J. Donald Kroeker & Associates, Portland

Legislative authorization - Chapter 599, Oregon Laws 1965

Board's priority - No. 53 in 1965-1967

Estimated total project costs $ 205,000

Estimated total direct construction costs $ 188,496

Financing plan:
  General Fund appropriation in Chapter 599, Oregon Laws 1965 $ 20,307
  Redirected auxiliary enterprises net income and student building fees 184,693
  Total $ 205,000

The Board accepted the report as presented.

Pursuant to the disposition agreement for land entered into with the Portland Development Commission, as reported at the December 9, 1968, meeting of the Board, a fifth acquisition of land has been consummated. The transaction (No. 5-69) consisted of two parcels involving a total of $120,150, as follows:

1. One parcel in Block 188 consisting of 4,000 square feet at a total price of $35,900.

2. One parcel in Block 239 involving 10,000 square feet of plotted land plus 8,200 square feet of vacated street areas for a total price of $84,250.

Funds to finance the acquisitions will be provided from proceeds of sale of the 1966 issue of Article XI-G bonds for acquisition of land in the area of development of Portland State University.

The Board accepted the report as presented.

President Wolfe, with the concurrence of the Chancellor, recommended a budget addition of $2,100 to cover the costs of an accreditation visit by the American Association of Collegiate Schools of Business during the fall or winter term of academic year 1969-70. The amount is to be provided from the Board's unappropriated funds.

The Board approved the recommendation as presented.
In accordance with Board regulations, the following members represented the Board at the 1969 Commencement exercises of the several institutions and acted for the Board in approving candidates for degrees and diplomas:

- Oregon State University: J. W. Forrester, Jr.
- University of Oregon: George H. Layman
- University of Oregon Dental School: Philip A. Joss
- University of Oregon Medical School: Ralph E. Purvine
- University of Oregon Nursing School: Ralph E. Purvine
- Portland State University: Chas. R. Holloway, Jr.
- Oregon College of Education: John W. Snider
- Southern Oregon College: Ancil H. Payne
- Eastern Oregon College: Ray T. Yasui
- Oregon Technical Institute: Elizabeth H. Johnson
- Eastern Oregon College (Summer Term): Ray T. Yasui

Signed copies of the approved degree lists are on file in the Board's Office.

The action of these Board members was confirmed and made a matter of record.

With the appointment of Mr. Freeman Holmer as Vice Chancellor for Administration, effective September 16, 1969, various Administrative Code provisions and Board actions relating to the Vice Chancellor for Business Affairs no longer will be applicable.

The Chancellor recommended that an item D-44 be added to the Administrative Code, as follows:

D-44. Vice Chancellor for Administration

The Administrative Code provisions and Board actions which are now applicable to the Vice Chancellor for Business Affairs in general shall be applicable to the Vice Chancellor for Administration, starting with September 16, 1969. The Chancellor though may designate the consultant in the Office of Vice Chancellor for Administration to consummate on a non-continuing basis actions already undertaken by the Vice Chancellor for Business Affairs; and also to continue responsibilities in a limited number of areas, previously those of the Vice Chancellor for Business Affairs.

It is expected that additional recommendations will be made by the Chancellor after consulting with Mr. Freeman Holmer, Vice Chancellor for Administration.

The Board approved the recommendation as presented.
It was recommended that Article II, Section 2, of the By-Laws of the State Board of Higher Education and Section A-5 of the Administrative Code be revised to read as follows (words lined through are deleted; underscored words are added):

Article II, Section 2 of ) 
By-Laws ) Executive Committee 
A-5 of Administrative Code)

A. The Executive Committee of the Board shall consist of the President and Vice President of the Board, ex officio, and of two other members elected for each fiscal year at the first regular meeting (July) of that year, and the chairmen of the three standing committees referred to in section A-6.

The President of the Board shall act as chairman of the Executive Committee.

B. The Executive Committee shall have the following functions:

(1) It shall take final action for the Board in such matters only as may be specifically referred to it by the Board with power to act.

(2) Between meetings of the Board the Executive Committee shall act for the Board in minor or emergency matters, subject to approval of the Board at its first subsequent meeting.

During the Board discussion, Mr. Joss said that if a former president of the Board were not chairman of one of the standing committees of the Board, the proposed revision would preclude his membership on the Executive Committee. He said he would prefer to amend the recommendation to retain the original language with the exception of increasing the size of the committee by changing it from two to three members to be elected each year in addition to the President and Vice-President of the Board.

The Board discussed the situations which might arise under the proposed revision and under the amendment suggested by Mr. Joss, and also the advantages of having the Committee chairmen serve on the Executive Committee as compared with providing flexibility to enable a former president of the Board to be a member of the Executive Committee. It was the consensus that involvement of past presidents as Committee chairmen, and consequently members of the Executive Committee, would be possible under the proposed revision through the Committee appointments made by the President of the Board.

It was moved by Director Holmes that the proposed revision be adopted as presented.

Mr. Joss then moved that the motion be amended so that the first paragraph would read as follows: "The Executive Committee of the Board shall consist of the President and Vice-President of the Board, ex officio, and two three other members elected for each fiscal year."
The President of the Board shall act as Chairman of the Executive Committee."

The amendment was defeated and the Board approved the recommendation as originally presented.

Chancellor Lieuallen recommended that Section K-2-A of the Administrative Code be revised to read as follows (underscored words are added to the present Code provisions):

K-2. Nonresident Students

A. A nonresident fee shall be paid (1) by an unemancipated student whose parent or legal guardian is domiciled outside of Oregon at the time of the student's registration, and (2) by an emancipated student (i.e., a student over the age of 21 or a minor student whose domicile is independent of that of his parent or legal guardian) who is domiciled outside of Oregon at the time of his registration, or whose domicile within Oregon does not satisfy the requirements of B (2) below, except:

(a) A student who holds a degree from an accredited college or university unless such a student either is pursuing a course of study leading to the degree of Doctor of Medicine or Doctor of Dental Medicine, or is enrolled only for under-graduate courses.

(b) A student attending a summer session of an institution under the Board's control.

(c) A student who graduated from an Oregon high school and who matriculates as an entering freshman. (If, however, such a student later transfers to an institution outside of Oregon and subsequently seeks to enroll again in an Oregon State System institution, his residence classification shall be reexamined and determined on the same basis as for any other transfer student.)

During the Board discussion, the following questions were considered: (1) under the proposed addition to the Code could a student enter an Oregon high school from out of the state shortly before graduation and then be eligible for admission as a resident student in State System institutions, regardless of the residence of his parents or guardians; and (2) should this privilege be granted only to graduates of Oregon public high schools since private high schools frequently have a higher percentage of students from out of state than do the public high schools.

It was suggested that a restriction could be included in the proposed addition to require that a student attend an Oregon high school for a specified period of time. It was agreed that it would be preferable not to limit the resident admission to graduates of "public" high schools.
It was moved by Director Payne that the proposed revision be adopted.

Mr. Holmes then moved that the motion be amended to insert the words "after one year of regular attendance" at the end of the first sentence in Section K-2-A(c), so that this portion of Section K-2-A would read as follows:

(c) A student who graduates from an Oregon high school after one year of regular attendance and who matriculates as an entering freshman. (If, however, such a student later transfers to an institution outside of Oregon and subsequently seeks to enroll again in an Oregon State System institution, his residence classification shall be re-examined and determined on the same basis as for any other transfer student.)

The Board approved the amendment as proposed.

The Board then approved the recommended addition to Section K-2-A of the Administrative Code as amended.

Chancellor Lieuallen recommended that Sections K-2-C (5) and (6) of the Administrative Code be revised to read as follows (underscored words are added to the present Code provisions):

K-2-C. Nonresident Students

(5) There shall be established a permanent interinstitutional review committee consisting of the officers determining student classification at the several institutions of the system, with the secretary of the state board of higher education as chairman. Residence cases of unusual complexity, especially where there may be conflict of rules, may be referred to this committee for decision. In exceptionally meritorious cases, totaling not more than five percent of the nonresident enrollment of the institution concerned, this committee may allow exceptions to the rules.

(6) There shall be established a permanent administrative review committee consisting of the Chancellor, the Secretary of the Board of Higher Education and the Assistant Attorney General assigned to the Department of Higher Education, with the Chancellor as chairman. A student whose residence classification has been reviewed by the interinstitutional committee referred to in section K-2-C(5), and who is dissatisfied with the decision of that committee, may, upon request, have his case referred to the administrative committee for further review and decision.
During the Board discussion, the Board considered (1) the inclusion of students in the review committees dealing with nonresident students; and (2) whether the Secretary of the Board should serve as chairman of the interinstitutional review committee and also be a voting member of the administrative review committee which acts on cases appealed from the interinstitutional committee.

The Board approved the recommendation with the following changes:

(1) In Section K-2-C(5), the membership of the committee would include two students as voting members;

(2) In Section K-2-C(6), the membership of the committee would include one student as a voting member;

(3) In Section K-2-C(6), the Secretary of the Board would serve as a nonvoting member of the administrative review committee.

The revised Code provision now reads:

K-2-C. Nonresident Students

(5) There shall be established a permanent interinstitutional review committee consisting of the officers determining student classification at the several institutions of the system and two students, with the secretary of the state board of higher education as chairman. Residence cases of unusual complexity, especially where there may be conflict of rules, may be referred to this committee for decision. In exceptionally meritorious cases, totaling not more than five percent of the nonresident enrollment of the institution concerned, this committee may allow exceptions to the rules.

(6) There shall be established a permanent administrative review committee consisting of the Chancellor, the Assistant Attorney General assigned to the Department of Higher Education, one student, and the Secretary of the Board of Higher Education as a nonvoting member, with the Chancellor as chairman. A student whose residence classification has been reviewed by the interinstitutional committee referred to in section K-2-C(5), and who is dissatisfied with the decision of that committee, may, upon request, have his case referred to the administrative committee for further review and decision.
The Chancellor said that following the legislative action imposing a limitation on the maximum number of graduate students in the State System institutions, it became necessary to deny admission to students who hold a degree but who are not interested in pursuing graduate work. This problem was discussed with a number of individuals, including members of the Ways and Means Committee of the Legislature, and it was agreed that the institutions would be instructed that students who hold degrees but who are enrolled only in undergraduate courses need not be classified as graduate students and counted in the quota of graduate students.

The Chancellor recommended that Section K-2-A(a) be revised to read as follows:

(a) A student who holds a degree from an accredited college or university unless such a student either is pursuing a course of study leading to the Degree of Doctor of Medicine or Doctor of Dental Medicine, or is enrolled only for undergraduate courses.

The Board approved the change to Section K-2-A(a) as recommended by the Chancellor.

The Board also approved a motion by Mrs. Johnson that the Committee on Academic Affairs, and the institutions in the master planning for higher education give consideration to the assessment of nonresident fees for graduate students and make recommendations to the Board.

Chancellor Lieuallen recommended the appointment of Steven E. Meredith, Instructor in Biology at Willamette University, as Examiner in Physiology on the Basic Science Examining Committee, effective September 1, 1969. Mr. Meredith will serve on the Committee without additional salary, but will receive a stipend of $10 for each day of service to the Committee, plus reimbursement for travel expenses.

In accordance with ORS 676.010 through 676.090 all applicants for a license to practice medicine or other healing arts in Oregon are required to pass an examination in six basic science subjects. The Secretary of the Board is responsible for the administration of the basic science law under which the examinations are required.

The Board approved the recommendation as presented.
Condition of Board's Unappropriated Fund and Special Reserves

Estimated as of September 8, 1969

For the Fiscal Year Ending June 30, 1970

I. Board's Unappropriated Fund

Balance reported on July 21, 1969 $38,142

Less: Docket item to provide for accreditation survey for Bachelor of Technology programs at Oregon Technical Institute $2,400

Docket item to provide for accreditation survey by American Association of Collegiate Schools of Business at Portland State University $2,100

Balance estimated as of September 8, 1969, if the above items are approved $33,642

II. Board's Reserve for Rehabilitation Projects

Balance reported on July 21, 1969 $350,495

No change

Balance estimated as of September 8, 1969 $350,495

The Board accepted the report as presented.

Report of Grant Payment under Advance Acquisition of Land Program

Pursuant to authorization granted at the April 23, 1968, meeting, a grant agreement was executed between the Department of Housing and Urban Development and the State Board of Higher Education for acquiring land in advance of need under the federally assisted Advance Acquisition of Land Program. The provisions of the agreement state that the federal government grants to the applicant an amount of reasonable interest charges on loans incurred to finance the acquisition of lands described in the agreement. The agreement also states that the State Board of Higher Education may be required to refund to the federal government without interest all grant payments under the following circumstances:

1. The acquired project land is not utilized within five years after the date of acquisition for the construction of a public work or facility.

2. The acquired project land is diverted to other uses.

As of July 1, 1969, the State Board of Higher Education has submitted claims for interest reimbursement totalling $42,071, representing the period November 14, 1966, through June 30, 1969. The federal government has approved and paid claims through December 31, 1968, totalling $29,084, of which $1,389 is classified as earned (acquired project land has already been developed) and $27,695 is reserved until such time as construction is implemented on the acquired project land.

The Board accepted the report as presented.
Board members were provided with a copy of the Higher Education Audit Report for the two-year period from July 1, 1965, through June 30, 1967, probably in August 1968. There follow comments on what appear to be the most significant matters referred to in the report:

Page 7, Accounts and Other Receivables

Audit Report: The report indicates that there was a net overdraft in the accounts relating to research grants and contracts sponsored by the federal government as of June 30, 1967, in the amount of $2,626,799.35. The observation was made that with more timely billing to the federal government, a substantial reduction might be made in the net overdraft position.

Comments: In harmony with observations of the auditors, progress has been made in reducing the amount of unpaid accounts. At the March 12, 1968, meeting, the Board established a policy requiring institutions to bill at least monthly, instead of quarterly, unless not permitted under contractual arrangements. Also under limited conditions, advances of moneys can be obtained from the federal government to meet the expected outlays for projects for the succeeding month.

It is evident that departments of the federal government are not auditing and paying bills as promptly after presentation as had been the previous practice. It is not unusual now for payment of bills to be deferred for several months after presentation, especially near the end of a fiscal year.

It follows that not only is regular prompt billing required, but that in addition institutional continuous follow-up action is needed to obtain as early payment of bills as is possible.

Billings to and payment by the federal government are accomplished by various methods, dependent upon applicable grant or contract conditions, as follows:

1. Under a cost-reimbursable contract with the federal government, state funds are expended and reimbursement then sought of the federal government. Such reimbursement might be made within a month or later. During the interval the project account shows an overdraft.

2. Payment of a predetermined amount may be made by the federal government to an institution on specified dates, the intent being to avoid the advancing of state funds. The institutional actual expenditures may be more or less than the funds which have been currently provided by the federal government. If the expenditures exceed the prepayments, the project account or accounts will show an overdraft.
3. Most of the moneys currently being received from the federal government are obtained under a letter of credit arrangement. Funds are requested by the institution from a local bank, chargeable against the account of the appropriate federal agency. It is expected that the funds will be sufficient to finance the total expenditures for all of the research or other projects of said agency for the succeeding month.

Usually these letter requests have predetermined dollar withdrawal limitations which have been established by the federal agency. Payment requests are not based on a summation of the estimated amounts to be expended for each particular project but rather on the estimated total of all of the projects. Consequently, the moneys when received by an institution are recorded in a control clearing account. The amount of balance in this account, representing undistributed cash, is expected to be sufficient to offset the advances shown in numerous individual project accounts. Normally, when a particular project has been completed, then a transfer is made from the undistributed clearing or control clearing account to the account for the particular project involved. Prior to the transfer though, the uncompleted project account will show an overdraft.

It is evident from the above that the total net balance for all the accounts of the federally assisted projects might be either positive or negative. The reported net overdraft, or amount owing, of $2,626,799.35 is less than one month's total income from federal grants and contracts of approximately $34,000,000 per fiscal year.

As part of the Financial Management System now being developed by the Comptroller's Office, a computer program has been designed which will provide assistance to the institutions in billing and making collections from the federal government.

Page 8, Miscellaneous Accounts Receivable, $1,063,091.80

Audit Report: Observation made that reports by the institutions to the Comptroller's Office of amounts owing were not correct in all instances.

Comments: More time is now being given the institutions than in the past to report the amount of accounts receivable at the year end, thereby making greater accuracy possible. The development of the Financial Management System will materially improve the situation.

Page 9, Inventories

Audit Report: Internal controls of perpetual stores inventories of supplies were inadequate, involving, for example, pharmacy, laboratory, physical plant and other stores organizations.

Comments: In the development of the Financial Management System, it is intended to study the cost and other implications of maintaining centralized inventory accounting for storerooms and strengthening controls.
Page 10, Recording of Discount on Bonds Sold of $547,354.16 as a Deferred Charge

Audit Report: The observation is made that the policy of amortizing discount for bonds sold, over the life of the issue, would result in more accurate financial statements and is in accordance with generally accepted accounting principles.

Comments: Amortization of bond discount is recognized as appropriate for commercial accounting purposes, affected to a significant degree by income tax implications. It is unlikely that accounting practices of universities and colleges conform to those of commercial organizations on bond discount amortization. Higher education bond issues are sold with four to six different interest rates, ranging, for example, from one-tenth of one percent to 6 percent, which is not the general pattern for commercial bond issues. Higher education bond maturities usually extend over a thirty-year period.

The purchasing syndicate of a bond issue may have specified in its bid that early bond maturities have a high coupon rate and longer maturities have a lower rate. The syndicate in selling the bonds on the open market might for any given coupon rate and maturity sell at a premium, while a different maturity with the same or different coupon rate may sell at a discount.

Normally, one of the purposes of amortizing bond discount is to assure the availability of funds to retire the bonds at the scheduled maturity dates. The fiscal and accounting policies of the Board, including establishing and maintaining of a two-year bond debt service reserve, are designed so as to assure sufficient moneys being on hand to retire bonds at the different maturity dates.

Page 41, Recording of Liabilities on Construction Contracts

Audit Report: The official records of the Comptroller's Office do not record the retainage liability for construction contracts nor the commitment on construction contracts for work to be performed by contractors.

Comments: At the present time memorandum records are maintained at the institutions for each building project and for line items constituting the total, such as for several categories of construction contracts, architects' fees, etc.

In the development of the Financial Management System the present practice will be reviewed and such adjustment made as seems appropriate.

Page 17, Grant and Contract Indirect Cost Allowances

Audit Report: At the time of the Audit Report moneys provided for indirect costs were made available to institutions with allocation usually made on the basis of a specified amount per month during the life of the contract.
Comments: As part of the development of the Financial Management System, a change has been inaugurated along the lines suggested by the auditors, namely to calculate the amount of indirect costs on the basis of the monthly expenditures for the project, and more nearly on the basis of the actual earnings.

Page 17, NDEA Administrative Cost Allowances

Audit Report: Cost allowances for administering NDEA student loan programs were not recorded on formal records of the Department of Higher Education.

Comments: At the time the NDEA student loan program was initiated, there was incomplete knowledge as to how it was to be operated. The cost allowances earned in the early years were delayed in being recorded on the records, primarily because the NDEA officials did not officially approve the transfer of funds to cover costs. For example, at Oregon State University, federal approval for the year 1965-66 was not received until January 11, 1967; and for the years 1966-67 and 1967-68, approval was not received until July 30, 1968.

In view of the indicated situation, with a determination by the federal government of the amount of funds which it will allow to be expended for institutional administration, recording of such allowance is held in abeyance until after there has been such determination.

Page 20, Advances to Municipality (Multnomah County Hospital)

Audit Report: Services provided by the Medical School to Multnomah County Hospital approximated $45,000 per month and the amount unpaid at the end of 1966-67 was about $90,000.

Comments: The Medical School has changed its billing and collection procedures. Services performed during any given month are now scheduled to be billed and collected during the following month.

Page 21, University of Oregon Development Fund

Audit Report: The University of Oregon Development Fund collected and paid moneys received by it for the conducting of special student programs of the University.

Comments: The practice referred to has been discontinued.

Page 22, Unrecorded Cash and Investments

Audit Report: Moneys and investments relating to the Memorial Union operations of Oregon State University had not been recorded in the Department of Higher Education's formal records.

Comments: The Memorial Union, an operating department of the University, deposits earnings with the Comptroller's Office. Said moneys are then periodically withdrawn and deposited with a local bank to finance expenses of conducting the programs. This practice is also
followed substantially for intercollegiate athletics at both Oregon State University and the University of Oregon. The funds of the activities are subject to state audit.

The budgeting and accounting policy statements, supplemental to the 1969 operating budget appropriation act, incorporated in the Budget Report of the Ways and Means Committee, includes a statement to the effect that accounts reflecting all of the financial affairs of the System should be contained in the Office of the Comptroller under the direction of the Vice Chancellor for Business Affairs. It is intended to implement the indicated policy no later than July 1, 1970, in connection with the development of the Financial Management System.

Page 24, Central Service Accounts

Audit Report: The University of Oregon Medical School laboratories, X-ray, medical records and similar service accounts had overdrafts in excess of $274,000 as of June 30, 1967.

Comments: The various service accounts at the Medical School are charged for materials which they receive and the cost of personal services which they provide, the sum total of which is to be charged to various departments of the hospital or other departments receiving the benefit of said services and required materials. Hence, at any given time including the end of the fiscal year, the over draft in each service account on an accrual basis should be more than offset by authorizing requisitions in its hands for services rendered to the hospitals and clinic and other departments. Similarly, it would follow that the benefiting department is to have unpaid requisitions at the end of the year equal at least to the amount owing to the service account.

Page 24, Higher Education Bond Sinking Fund

Audit Report: Higher Education transfers from its suspense checking account to the State Treasurer Article XI-F(1) Bond Sinking Fund have been made in arbitrary amounts and should be transferred consistent with the determination of earnings or the receipt of student building fees as the case may be.

Comments: Board policy provides that the balances in bond sinking funds are expected to be in an amount equal at least to the debt service for the two succeeding years. In the past moneys received from student building fees had been transferred each term to the bond sinking fund. Additional transfers had also been made periodically based upon estimated net operating earnings, such as from residence halls.

A change has been made to the former practice on the basis of which estimated net operating earnings are transferred to the sinking fund each month, and adjustment made the following month for any difference between the estimated and actual net earnings. Student building fees are transferred each quarter.
Page 25, Allocation of Costs Pertaining to Payroll Assessments

Audit Report: Physical plant shop order charges to restricted accounts did not include payroll assessments.

Comments: Prior to July 1, 1968, physical plant shop order charges did not include payroll assessments. The situation has now been changed and an appropriate charge is being made.

Page 26, Allocation of Costs Other than Physical Plant Payroll Assessments

Audit Report: It is stated that various physical plant costs are not fully allocated to auxiliary enterprises (such as health services, student stores and cafeterias) and also service accounts (such as printing plants).

Comments: The Board's Administrative Code, Section D-14, provides that auxiliary enterprises are to be self-supporting. There is no specific provision with regard to the handling of indirect or allocated costs such as for those relating to the Physical Plant Department.

Policies have been established by the Board with regard to the "self-supporting" concept which provide that direct costs are to be charged against operations; but which provide that some indirect costs are or are not to be charged against student housing income. The same is true with regard to automotive parking auxiliary enterprises. For service accounts, Board policy Administrative Code page 16 provides that presses are to be self-sustaining, but there is no specific policy established for other service accounts, such as automotive car pools, computer centers, the Medical School service accounts (X-ray, laboratory, etc.), duplicating, photographic services, etc.

It is intended to review the situation with regard to establishment of policies under which direct and indirect costs would or would not be charged against the income of various categories of auxiliary enterprises and service accounts.

The Board accepted the report as presented.

Authorization to Vice Chancellor for Facilities Planning

In view of the separation of the Office of Facilities Planning from the Office of Business Affairs on July 1, 1969, approved by the Board at the June 10, 1969, meeting, it was recommended that the Vice Chancellor for Facilities Planning be designated as the appropriate Board official to perform the following services subject to the applicable policies and guidelines approved by the Board:

1. Negotiate professional services agreements for architectural and engineering services, including supplements to such agreements;
2. Review and approve final plans and specifications for projects approved by the Board (pursuant to Article D-21 of the Administrative Code);

3. Approve or deny the requests of construction contractors for prequalification for bidding pursuant to the provisions of ORS Chapter 279;

4. Solicit and open bids for construction, rehabilitation, demolition, repair and maintenance, furnishings, etc.;

5. Prepare contracts for construction, rehabilitation, demolition, repair and maintenance, furnishings, etc., including change orders; provide notices of contract award or of the rejection of bids;

6. Inspect and accept the work of contractors for construction, rehabilitation, demolition, repair and maintenance, furnishings, etc.;

7. Prepare applications for federal grant assistance or loans relating to facilities planning, construction, land acquisition, etc., and submit payment requests and reports relating thereto;

8. Arrange for the acquisition of land within the approved projected campus boundaries, including appraisals and other matters relating to the acquisition of real property.

The above listing does not cover all of the duties and responsibilities of the Vice Chancellor for Facilities Planning, but is intended to identify those principal functions which need to be assigned to an appropriate "public officer" or "Board official" in order to fulfill the requirements of various statutes, federal and state regulations and Board rules and policies. Previously this authority and responsibility was vested with the Vice Chancellor for Business Affairs. Inasmuch as the appointment of Mr. H. A. Bork is being changed from Vice Chancellor for Business Affairs to Consultant as of September 15, 1969, it was recommended that the transfer of these functions to the Vice Chancellor for Facilities Planning be effective on that date. It was understood that the Vice Chancellor for Facilities Planning will consult with Mr. Bork on all appointments of architects and engineers for major capital outlay projects and will also consult with him in connection with all land acquisitions during a period of at least one year following the transfer of these functions.

The Board approved the recommendations as presented.

Investment Report, June 30, 1969

Board members have been provided with the investment report of June 30, 1969. At that time the book value of the investments for the benefit of the Department of Higher Education amounted to $46,441,293.71. Included therein were Pooled Endowment Fund assets of $5,686,137.03; the interest earnings thereon during the last fiscal year amount to 5.05 percent. The increase in the Pooled Endowment Fund assets during the year was $37,424.39.
The Vice Chancellor for Business Affairs recommended, with the concurrence of the Chancellor, that for 1969-70, participating accounts in the Consolidated Pool be credited with interest of 4.75 percent.

The report also contains a summary of present investment policies and recommendations for the various classes of funds:

- Endowment Funds
- Current Donation Funds
- Higher Education Bond Building Fund
- Higher Education Bond Sinking Fund

The summary of the present policies and recommendations follows:

**Endowment Funds**

1. **Present Policies.** Purchase of bonds, notes or certificates are to be those with a rating of A or better by either Moody's Investors Service or Standard & Poor's. Obligations to be those of American public utilities, industrials, railroads, financial organizations, United States government; also Canadian provinces or municipals, provided interest and principal are paid in United States funds. Lower rated securities may be purchased if approved by the President of the Board or a director named by him.

   Real property investment is subject to Board authorization.

   Corporate stocks cannot be purchased.

2. **Recommendation.** Purchases may also include obligations issued by federal agencies or those guaranteed by the federal government, also certificates of deposit of Oregon banks.

**Current Donation Funds**

1. **Present Policies.** Purchases may be made of securities of the federal government with maturities of no longer than five years. President of the Board or director named by him may authorize exceptions.

2. **Recommendation.** Purchases may also be made of certificates of deposit of Oregon banks and also of securities issued by federal agencies.

**Higher Education Bond Building Fund**

1. **Present Policies.** Purchases may be made of obligations of the federal government or of the State of Oregon, maturing within two years, subject to the approval of the State Treasurer.

2. **Recommendation.** In lieu of said policies, purchases may be made of securities, or certificates of deposit of Oregon banks, pursuant to the prudent man rule with the approval of the State Treasurer and with maturities to be no more than two years.
Higher Education Bond Sinking Fund

1. Present Policies. Investments may be made in bonds issued or
guaranteed by the United States or in bonds of the State of Oregon
with maturities of no more than five years unless authorized by
the President of the Board or a designated director.

2. No change recommended.

General - All Funds

Report of purchases, sales or transfers of securities shall be made to
the President of the Board or a director named by him. An annual report
of investments is to be made to the Board.

In response to a question during the Board discussion, it was indicated
that an amendment is being sought to the Oregon Constitution, which, if
approved, would permit the purchase by the Board of corporate stocks
from funds received from gifts and bequests.

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

Automotive
Parking
Regulations

Chapter 622, Oregon Laws 1969, which became effective August 22, 1969,
amends ORS 352.360 and 352.990. The amendments authorize the Board to
enact regulations for the policing, controlling and regulating of
traffic and parking of vehicles on the property of any institution
under its jurisdiction.

Enforcement of regulations pertaining to the University of Oregon
Medical and Dental Schools shall be in the District or Justice Court
in the county in which the violation occurred. The fines, penalties
and costs recovered shall be paid to the clerk of the court who after
deducting court costs shall pay the remainder to the Board.

Administrative enforcement of regulations pertaining to the other
institutions shall be based upon procedures established by the Board.
Administrative and disciplinary sanctions may be imposed upon students,
faculty and staff for violations of the regulations, including but not
limited to a reasonable monetary penalty which may be deducted from
student deposits, and faculty and staff salaries or other funds in the
possession of the institution. The Board may establish hearing pro-
cedures for the determination of controversies relating to fines or
penalties.

The regulations pertaining to all of the institutions may be enforced
by the impoundment of vehicles, and a reasonable fee may be enacted for
the cost of impoundment and storage, if any, prior to the release of
the vehicles to their owners.

The statute also provides that every peace officer may enforce the
regulations of the Board. The Board may appoint peace officers.
In keeping with the new statute, the institutions, except Oregon College of Education where no substantial parking problem appears to exist, have developed regulations. The full text thereof is detailed in the following exhibits, which appear as Appendix A to these minutes:

Exhibit A - Oregon State University  
Exhibit B - University of Oregon  
Exhibit C - Oregon Technical Institute  
Exhibit D - Southern Oregon College  
Exhibit E - Portland State University  
Exhibit F - University of Oregon Medical and Dental Schools  
Exhibit G - Eastern Oregon College.

A comparison of regulation aspects pertaining to permit fees, penalties and enforcement is summarized as follows:

1. **Permit Fees**

(The Portland institutions recommended that parking charges be on a monthly basis; the other institutions on an annual basis.)

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<thead>
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<th>Faculty and Staff (Full Privileges)</th>
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<th>Monthly</th>
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<tbody>
<tr>
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<tr>
<td>University of Oregon</td>
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<td>University of Oregon Medical and Dental Schools</td>
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<tr>
<td>Covered Parking</td>
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<td>Uncovered Parking:</td>
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<td>Large Car Spaces</td>
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<td>Small Car Spaces</td>
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<tr>
<td>Portland State University, covered and uncovered</td>
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<thead>
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<th>Faculty and Staff (Others)</th>
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<th>Monthly</th>
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<th>Students</th>
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<td>Residence Halls</td>
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<tr>
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<td>Southern Oregon College</td>
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<tr>
<td>Meters</td>
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<tr>
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<th>Duplicates and Replacements of Permits</th>
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2. Penalties                                         |        |         |
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</table>
3. **Enforcement**

- Visitors and staff violations in Staff Traffic Court
- Student violations in Student Traffic Court
- Faculty, staff and visitors violations in University Court of Appeals
- Student violations in Student Traffic Court

**University of Oregon Medical and Dental Schools**  
- District or Justice Court, Multnomah County

**Portland State University**  
- All violations appealed are reviewed by Director of Business Affairs or his designee

**Oregon Technical Institute**  
- All violations appealed are reviewed by Traffic Commission

**Southern Oregon College**  
- Staff Appeals Board or Student Appeals Board, whichever is appropriate

**Eastern Oregon College**  
- All violations appealed are reviewed by the Business Manager

Institutional executives, with the concurrence of the Chancellor, recommended that the automotive parking regulations for each of the institutions, elements of which are summarized above, and the complete details of which are provided in the exhibits, be adopted by the Board.

Appropriate filing will be made of the detailed regulations with the Secretary of State, and other action taken to implement the same.

It was further recommended that the Board provide for any further action which might be necessary to meet the requirements of the existing statutes related to parking and administrative procedures.

The Board adopted the parking regulations as recommended and as set forth in Appendix A, Exhibits A through G. (The regulations in Exhibits A through G are as modified and adopted by the Board at its adjourned session on October 2, 1969.)

The Board also approved a motion to authorize the Chancellor's Office personnel to take the necessary steps to comply with the Administrative Procedures Act insofar as the Act applies to the parking regulations.
Meeting #376-57

President Layman announced that the next regular meeting of the Board would be held on the campus of Oregon Technical Institute, Klamath Falls on October 27, 1969. The adjourned meeting of the September 8, 1969, Board meeting will be continued at 1:30 P.M., October 2, 1969, in the Michael J. Smith Memorial Center, Portland State University, Portland.

The adjourned meeting from September 8, 1969, to be continued on October 2, 1969, is to provide a public hearing on the institutional traffic and parking regulations in accordance with requirements of the state Administrative Procedures Act.

Mr. Layman said that the meetings of the Board's Committees will be held on October 2-3, 1969, in Room 327, Michael J. Smith Memorial Center, Portland State University. The Committee on Academic Affairs, Personnel and Public Affairs will begin at 9:00 A.M. on October 2 and resume immediately following the adjourned session of the September 8, 1969, Board meeting. The Committee on Buildings and Other Physical Facilities will meet at 9:00 A.M., October 3, and the Committee on Finance and Business Affairs will meet at 1:30 P.M., October 3.

The Chancellor said that the Interinstitutional Committee on Incidental Fees had scheduled a meeting following the Board meeting and requested Mr. Donald Lewis, Chairman of the Committee, to report on the progress of the meetings so far.

Mr. Lewis reported that the committee had met several times as an entire group and had also held a number of smaller group meetings to discuss the question of incidental fees and to consider the proposals prepared as a result of previous meetings.

Mr. Lewis stated that the incidental fee covers a wide variety of activities and that this variety has led to difficulties in developing a proposal concerning policy revisions relating to the fees. He said also that many of the departments supported by these funds have been in existence for many years and in some cases have grown to considerable size. Altering and changing their method of operation cannot be accomplished rapidly. It has been necessary for the committee to study the Oregon laws which apply to the Board's authority to collect and handle these funds. Finally, the question of student participation in handling the funds has been of concern to the committee. Arriving at a satisfactory common proposal for all State System institutions which recognizes all factors requires a great deal of study.

Mr. Lewis said that the committee had first agreed on basic assumptions which were related to the laws establishing the Board's authority in connection with the fees. Furthermore, it appeared that there should be no further increases in fees to students at this time and that the students should have a full part to play in decisions regarding the distribution of these fees.
In response to a question, it was stated that the investment would probably be less than $50,000 if the demolition costs were not the responsibility of the Board.

Mr. Holmes commended the students for their very imaginative plan and their efforts in enlisting the support of members of the community in the project. He said that he was surprised this proposal had been interpreted as being counter to legislative intent that Portland State University not be a campus-type institution because the buildings will be demolished within a very short time. He said that there has never been any intent to move in the direction of a campus university with dormitories at Portland State University and that he found it difficult to see how this proposal could be construed as a move in that direction.

The Board approved the recommendation as presented, with the understanding that the plan to be developed would involve a Board commitment of no more than $50,000.

President's Residence, PSU

The Chancellor reported that a request had been submitted to the Emergency Board to provide housing for the President of Portland State University. However, it was necessary to enter into another short term rental arrangement and President Wolfe is now moving into a rented house. The Chancellor said that continued study will be given to other possible arrangements.

Annual Report of Gifts and Grants

The Chancellor presented the following summary report on gifts and grants received during the 1963-65, 1965-67, and 1967-1969 bienniums, as shown on the succeeding pages.
### SUMMARY OF GIFTS AND GRANTS TO
OREGON STATE SYSTEM OF HIGHER EDUCATION
1967-69

#### PURPOSE OF GIFT

<table>
<thead>
<tr>
<th>Source of Gifts</th>
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<th>Other</th>
<th>Total</th>
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<td>1966-67</td>
<td>16,578,228.62</td>
<td>2,174,893.05</td>
<td>18,753,121.67</td>
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<tr>
<td>Total for 1965-67 Biennium</td>
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<td>4,335,903.73</td>
<td>38,597,201.81</td>
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<td>1967-68</td>
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<td>1968-69</td>
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<td>4,746,693.00</td>
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### OVERSEAS TRAINING GRANTS

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### PURPOSE OF GIFT

**OVERSEAS TRAINING GRANTS Continued**

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### SCHOLARSHIPS

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### STUDENT FINANCIAL AID (Includes Economic Opportunity Grants)

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### Purpose of Gift

#### Books, Supplies and Equipment

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#### Advancement of Teaching Programs

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#### Care of Medically Indigent

<table>
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<tr>
<th>Year</th>
<th>Federal</th>
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<td>1963-64</td>
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<td>24,444.90</td>
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<td>1964-65</td>
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<td>15,670.11</td>
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<tr>
<td>1965-66</td>
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<td>1966-67</td>
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<td>1967-68</td>
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<td>1968-69</td>
<td>---</td>
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<td>Total for 1967-69 Biennium.</td>
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#### Unrestricted

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<td>1967-68</td>
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<td>1968-69</td>
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<td>1968-69</td>
<td>95,759.20</td>
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<td>1966-67</td>
<td>208,661.00</td>
<td>169,096.00</td>
<td>377,757.00</td>
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<td>Total for 1965-67 Biennium</td>
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<td>377,757.00</td>
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<td>1967-68</td>
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<td>3,500.00</td>
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<td>1968-69</td>
<td>264,874.90</td>
<td>41,870.00</td>
<td>306,744.90</td>
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<td>602,509.07</td>
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<td>1967-68</td>
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<td>1968-69</td>
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<td>TOTALS</td>
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<td>1964-65</td>
<td>26,993,447.68</td>
<td>2,624,565.01</td>
<td>29,618,012.69</td>
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<td>Total for 1963-65 Biennium</td>
<td>44,275,087.75</td>
<td>5,652,656.56</td>
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<td>1965-66</td>
<td>33,270,546.56</td>
<td>5,257,604.21</td>
<td>38,528,150.77</td>
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<td>1966-67</td>
<td>50,834,355.25</td>
<td>4,352,050.94</td>
<td>55,186,406.19</td>
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<td>Total for 1965-67 Biennium</td>
<td>84,104,901.81</td>
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<td>1967-68</td>
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<td>1968-69</td>
<td>47,504,347.16</td>
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<td>89,174,625.91</td>
<td>10,664,788.04</td>
<td>99,839,413.95</td>
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</table>
It was recommended that the following personnel adjustments and appointments as submitted by the Institutional Executives concerned be approved, the necessary funds being provided in the 1969-70 budgets, or as indicated. Unless otherwise stated, appointments and adjustments in salary, rank, title, and months of service are effective July 1, 1969. The Board approved the recommendation as presented.

<table>
<thead>
<tr>
<th>Budgeted Name, Rank, and/or Title, Department</th>
<th>Mo. of Service</th>
<th>Present Salary Rate</th>
<th>Recommended Salary Rate</th>
<th>Source of Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon State University</td>
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<tr>
<td>Dr. David S. Carter, Professor of Mathematics</td>
<td>9-12</td>
<td>$23,058</td>
<td>$24,400</td>
<td>Budget (Increased responsibilities as Acting Chairman of the Department of Mathematics; effective August 1, 1969.)</td>
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<tr>
<td>Dr. Morris W. Montgomery, Associate Professor, Department of Food Science and Technology</td>
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<td>13,308</td>
<td>14,028</td>
<td>Budget (To correct an error in the original budget.)</td>
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<tr>
<td>Mr. John R. Gurton, Lane County Extension 4-H Agent</td>
<td>12</td>
<td>14,316</td>
<td>15,036</td>
<td>Budget (New assignment with increased responsibilities as Lincoln County Extension Staff Chairman; effective September 1, 1969.)</td>
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<tr>
<td>Dr. George H. Arscott, Professor, School of Agriculture</td>
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<td>16,824</td>
<td>17,328</td>
<td>Budget (Increased responsibilities as Acting Head of the Department of Poultry Science.)</td>
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<tr>
<td>Mr. David A. Young, Research Associate, Department of Oceanography</td>
<td>12</td>
<td>14,232</td>
<td>14,592</td>
<td>Grant (Increase provided in grant.)</td>
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<tr>
<td>Dr. R. V. Klucas, Research Associate, Department of Botany and Plant Pathology</td>
<td>12</td>
<td>11,000</td>
<td>11,636</td>
<td>Grant (To correct an error in original budget; and increase provided in grant.)</td>
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<tr>
<td>Dr. Carvel Wood, Associate Professor of Education</td>
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<td>11,855</td>
<td>12,455</td>
<td>Grant (Increased responsibilities as coordinator; effective September 16, 1969.)</td>
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<tr>
<td>Dr. R. Y. Morita, Professor, School of Science</td>
<td>12</td>
<td>18,804</td>
<td>19,104</td>
<td>Budget (To bring his salary to a level comparable to that of other staff members with similar training and experience.)</td>
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<tr>
<td>Mr. Delmer M. Goode, Professor, Office of Publications</td>
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<td>12,000</td>
<td>14,000</td>
<td>Budget (In recognition of outstanding service.)</td>
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<tr>
<td>Dr. Richard W. Boubel, Professor, School of Engineering</td>
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<td>15,720</td>
<td>16,500</td>
<td>Grant (To bring his salary to a level comparable to that of other staff members with similar training and experience.)</td>
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<tr>
<td>Name, Rank, and/or Title, Department</td>
<td>Mo. of Service</td>
<td>Present Salary Rate</td>
<td>Recommended Salary Rate</td>
<td>Source of Funds</td>
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<tr>
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<tr>
<td>Dr. E. K. Vaughan, Professor, Department of Botany and Plant Pathology</td>
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<td>$20,664</td>
<td>$20,820</td>
<td>Budget</td>
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<td><strong>University of Oregon</strong></td>
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<tr>
<td>Dr. William C. Jones, Dean of Administration</td>
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<td>Miss Jean Brotsman, Assistant Professor of Library Administration, Senior Catalog Librarian</td>
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<td>Dr. Kirt E. Montgomery, Associate Professor of Speech</td>
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<td>Dr. Roland J. Pellegrin, Professor of Sociology, Director of Institute for Community Studies</td>
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<td>Dr. Alfred G. Smith, Professor of Anthropology</td>
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<td>Mr. George M. Platt, Associate Professor of Law</td>
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<tr>
<td>Dr. Paul P. Rudy, Assistant Professor of Biology, Director of Oregon Institute Biology</td>
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<td><strong>University of Oregon Dental School</strong></td>
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<tr>
<td>Dr. Bhim S. Savara, Professor, Chairman, Child Study Clinic</td>
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<td></td>
<td>Grant</td>
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<td>Dr. Arthur E. Retzlaff, Graduate Fellow</td>
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<td>Dr. Frank M. Wilson, Associate Professor</td>
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<tr>
<td>Dr. William E. Tracy, Associate Professor</td>
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</table>

(Designation as Professor Emeritus of Political Science, effective October 1, 1969.)

9 10,500 11,000 Budget (To correct an error in the original budget; effective September 16, 1969.)

9 23,267 23,967 Budget (To correct an error in the original budget; effective September 16, 1969.)

9 14,057 14,857 Budget (To correct an error in the original budget; effective September 16, 1969.)

9 15,225 15,700 Budget (To correct an error in the original budget; effective September 16, 1969.)

12 14,330 15,660 Budget (To correct an error in the original budget.)

12 22,284 27,864 Grant (Increase provided in grant.)

12 14,004 16,008 Budget (Promotion to Assistant Professor and completion of advanced training in pedodontics; effective September 1, 1969.)

12 14,328 15,164 Grant (Increased responsibilities and change in assignment from full time in Oral Diagnosis to half time each in Oral Diagnosis and Hospital Dental Service.)

12 16,284 18,600 Grant (Increase provided in grant.)
Budgeted Name, Rank, and/or Title, Department

University of Oregon Medical School

Dr. A. Wesley Horton, Professor of Environmental Medicine and Biochemistry

Dr. Anthony E. Gallo, Associate Professor of Neurosurgery

Dr. A. A. Pearson, Chairman of the Department of Anatomy

Dr. K. E. Fox, Assistant Professor of Pharmacology

Mrs. Nancy Kosterlitz, Assistant Professor of Psychiatry

Mr. Jack Tovey, Assistant Professor of Psychiatry

Portland State University

Dr. Ray O. Wolf, Professor of Education

Southern Oregon College

Dr. Gary Prickett, Assistant Professor of Business

Eastern Oregon College

Dr. John Cobb, Assistant Professor of Music

<table>
<thead>
<tr>
<th>Mo. of</th>
<th>Present Salary Rate</th>
<th>Recommended Salary Rate</th>
<th>Source of Funds</th>
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<td>$28,000</td>
<td>Grant (Increase provided in grant.)</td>
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<td>11,184</td>
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<td>Budgeted Name, Rank, and/or Title, Department</td>
<td>Mo. of Service</td>
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<td>Recommended Salary Rate</td>
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<tr>
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<tr>
<td>Oregon Technical Institute</td>
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<td>Mr. Earl R. Buck, Instructor, Auto-Diesel</td>
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<td>Centralized Activities</td>
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<td>Dr. George Diel, Director of Communications Development</td>
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<td>14,700</td>
<td>16,000</td>
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</table>
The following gifts and grants to the institutions have been approved for acceptance and expenditure by the institutions and the Board's Office in accordance with Board action on January 27-28, 1964. It was recommended that the Secretary of the Board be authorized to make suitable acknowledgement to the donors and grantors. The Board approved the recommendation as presented.

**Oregon State University**

<table>
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<tr>
<th>Scholarships &amp; Fellowships</th>
<th>Gifts totaling $23,715.90 from the following donors for scholarships and fellowships:</th>
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<td>Crown Zellerbach Foundation, San Francisco, California $4,000.00</td>
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<td>Douglas County Home Extension, Roseburg 369.00</td>
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<td>Eagle Point Senior Parents-Class of '69, White City 300.00</td>
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<td>Elks Lodge No. 1748, Seaside 200.00</td>
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<td>International Order of Job's Daughters, Ogden, Utah 125.00</td>
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<td>Lebanon Union High School, Lebanon 500.00</td>
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<td>Oregon Federation of Business &amp; Professional Women's Clubs, Portland 500.00</td>
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<td>Oregon State Elks Association, Madras 125.00</td>
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<td>Ralston Purina Company, St. Louis, Missouri 500.00</td>
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<td>Robert Johnson Trust Fund 1,160.90</td>
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<td>St. Andrews Society of Oregon, Portland 200.00</td>
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<td>Sacramento Postal Scholarship Fund, Sacramento, California 500.00</td>
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<td>U. S. National Bank of Oregon, Portland 861.00</td>
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<td></td>
<td>American Foundation for Pharmaceutical Education, Washington, D.C. 5,000.00</td>
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**Associated General Contractors**

Grant of $9,375 from Associated General Contractors, Portland, for "The Development of a Curriculum in Construction Engineering Technology," July 1, 1968, through June 30, 1970, under the direction of Mr. Fred J. Burgess, Head of the Department of Civil Engineering.

**Columbia-Willamette Air Pollution Authority**

Grant of $18,000 from Columbia-Willamette Air Pollution Authority, Portland, for research entitled, "Natural Ventilation of the Portland Area in Relation to Air Pollution," June 27, 1969, through March 31, 1970, under the direction of Dr. E. Wendell Hewson, Head of the Department of Atmospheric Science.

**Control Data Corporation**

Grant of $150,000 from Control Data Corporation, Minneapolis, Minnesota, "for research and development of time-sharing technology involving operating systems, languages, management information systems and application programs for the CDC 3300/3500 Computer Systems," May 9, 1969, through May 31, 1970, under the direction of Dr. Larry Hunter, Director, Computer Center.
H. J. Dahlke  
*Gift to the Mechanical Engineering Department of an 11-cubic-foot Admiral refrigeration unit, valued at $150, from Dr. Hans J. Dahlke, Corvallis.*

KOIN AM-FM TV  
*Gift of television equipment, valued at $1,500, from KOIN AM-FM TV, Portland, to benefit the broadcast media communication program in the Department of Speech.*

National Aeronautics and Space Administration  
*Grant of $9,340 from the National Aeronautics and Space Administration, Washington, D.C., for research entitled, "Neutron Activation Analysis," July 1, 1969, through June 30, 1970, under the direction of Dr. Roman A. Schmitt, Associate Professor of Chemistry.*

National Council of the Paper Industry  
*Grants totaling $12,500 from the National Council of the Paper Industry, New York City, for research as follows:*

1. $5,000 – "Sulphite Waste Research," April 1 through June 30, 1969, under the direction of Mr. James G. Knudsen, Assistant Dean of Engineering.

2. $3,750 – "Cooperative Research on Aquatic Biology," January 1 through March 31, 1969, under the direction of Mr. James G. Knudsen.

3. $3,437.50 – "The Effect of Kraft Pulp Mill Effluent on Growth and Production of Fish," March 1 through June 30, 1969, under the direction of Mr. James G. Knudsen.

4. $312.50 – "Extension of Cooperative Research on Aquatic Biology," March 1 through June 30, 1969, under the direction of Mr. Knudsen.

National Science Foundation  
*Grants totaling $643,840 from the National Science Foundation, Washington, D.C., for research, fellowships, training programs, and other purposes, as follows:*

1. $121,800 – "Investigation of the Air-Sea Exchange of Carbon Dioxide and Oxygen Off Oregon," July 1, 1969, through June 30, 1971, under the direction of Dr. John V. Byrne, Head of the Department of Oceanography, and Mr. Louis Gordon, Research Associate.

2. $2,500 – "To accommodate expenditures under a science faculty fellowship award in behalf of Dennis L. Krzyzaniak," July 1, 1969, through June 30, 1970, under the direction of Dr. Max B. Williams, Professor of Chemistry.

3. $2,500 – "To accommodate expenditures under a science faculty fellowship award in behalf of Jerre F. Kilroy," July 1, 1969, through June 30, 1970, under the direction of Dr. David Carlson, Associate Professor of Mathematics.
4. $3,125 - "To accommodate expenditures under a science faculty fellowship program in behalf of Sister Jean Francis Sweat," June 1, 1969, through September 30, 1970, under the direction of Dr. Donald G. Humphrey, Chairman of General Science.

5. $69,200 - "Nature and Environmental Response of Marine Psychrophilic Bacteria," July 1, 1969, through June 30, 1971, under the direction of Dr. P. R. Elliker, Chairman of the Department of Microbiology.


7. $95,435 - "Development and Implementation of a Four-Year Bachelor of Science Curriculum in Nuclear Technology," July 1, 1969, through August 31, 1972, under the direction of Dr. C. H. Wang, Head of the Radiation Center.

8. $57,355 - "Inter-University Training Program," July 1, 1969, through August 31, 1971, under the direction of Dr. Paul Oman, Professor of Entomology.


10. $37,000 - "Biochemistry of Insect Development," August 1, 1969, through July 31, 1971, under the direction of Dr. Victor J. Brookes, Associate Professor of Entomology.

11. $14,825 - "To accommodate expenditures for costs under a graduate fellowship program," June 1, 1969, through March 31, 1970, under the direction of Dr. J. Ralph Shay, Head of the Department of Botany and Plant Pathology; Mr. Louis N. Stone, Head of the Department of Electrical Engineering; Dr. John V. Byrne, Head of the Department of Oceanography; and Dr. H. P. Hansen, Dean of the Graduate School.

12. $182,000 - "To accommodate expenditures for operating costs of the research vessels CAYUSE and YAQUINA," June 1 through November 30, 1969, under the direction of Dr. Wayne V. Burt, Dean of Research.

Grant of $70,506 from the Oregon State Board of Education, Salem, to accommodate expenditures for an instructional and development program entitled, "Occupational Cluster Development," July 1, 1969, through June 30, 1970, under the direction of Dr. Henry A. Ten Pas, Director, Vocational Adult Education.
Grant of $10,621 from the Oregon State Public Welfare Commission, Salem, "to accommodate expenditures for a program of employment training for not more than 20 women," December 20, 1968, through July 18, 1969, under the direction of Miss Murle Scales, State Extension Agent.

Grants totaling $27,086 from the Oregon State University Foundation, Corvallis, for research and other purposes, as follows:

1. $21,740 - "Hydraulics, Flushing, Characteristics, and Water Quality in Netarts Bay, Oregon," June 1 through November 30, 1969, under the direction of Dr. B. Glenne, Assistant Professor of Civil Engineering.

2. $5,346 - "To accommodate expenditures for a study of management services within the hospitals for the mentally ill and the mentally retarded," July 1 through August 31, 1969, under the direction of Dr. Edison E. Easton, Associate Dean of the School of Business and Technology.

Grant of $9,111 from the Peace Corps, Washington, D.C., "to accommodate expenditures for training interns for service as Peace Corps volunteers," February 24 through June 21, 1969, under the direction of Dr. Gordon R. Sitton, Director of International Education.

Grants totaling $7,600 from Tektronix, Inc., Beaverton, for research and equipment, as follows:

1. $7,400 - "To accommodate expenditures for research in solid state electronics," July 1, 1968, through December 31, 1969, under the direction of Mr. James C. Looney, Associate Professor of Electrical Engineering.

2. $200 - Representing the value of a gift of copper to the Department of Metallurgical Engineering to be used for studies of elastic and plastic anisotropy.

Gift of books, valued at $200, from Mrs. Doris Tilles, Corvallis, to be used in the spectrometry program in the Oceanography Department. These books are from the library of her husband.

Grants totaling $64,423 from the U. S. Atomic Energy Commission, Washington, D.C., for research, as follows:

1. $1,775 - "An Investigation of European Programs in Disposition of Waste Heat by Thermal Power Plants," June 16 through December 31, 1969, under the direction of Dr. Fred W. Decker, Associate Professor of Physics.

2. $19,000 - "Properties of Enzymes from Thermomorphs and Halophiles," April 1, 1969, through March 31, 1970, under the direction of Dr. Robert R. Becker, Professor of Biochemistry.


5. $2,148 - "The Role of Naturally Occurring Quinones in Photosynthesis," January 1 through December 31, 1969, under the direction of Dr. Norman I. Bishop, Professor of Botany.

U. S. Dept. of Commerce

Grant of $15,000 from the U. S. Department of Commerce, Environmental Science Services Administration, Rockville, Maryland, "to accommodate expenditures for a research program to develop forecast techniques for wave and surf conditions over the bars in the Columbia River mouth and at the entrance to Yaquina Bay," June 1, 1969, through June 30, 1970, under the direction of Dr. William Quinn, Research Associate in Oceanography.

U. S. Dept. of Health, Education & Welfare

Grants totaling $363,406 from the U. S. Department of Health, Education and Welfare, Washington, D.C., for research, training programs, equipment, library materials, and other purposes, as follows:

1. $43,100 - "To accommodate expenditures under a grant for the purchase of library materials," June 17, 1969, through June 30, 1970, under the direction of Mr. Rodney K. Waldron, Librarian.


3. $5,266 - "To accommodate expenditures under an instructional equipment grant under Title VI, Higher Education Act of 1965," May 28, 1969, through May 27, 1970, under the direction of Dr. Keith Goldhammer, Dean of the School of Education; Dr. Elmer C. Stevenson, Associate Dean of Agriculture; Mrs. Mary Anne K. Staton, Assistant Dean of Home Economics; and Dr. Harold M. Livingstone, Professor of Speech.

4. $120,000 - To accommodate expenditures for an Instructional Development Program entitled, "Career Oriented Relevant Education," June 1, 1969, through May 31, 1970, under the direction of Dr. Keith Goldhammer, Dean of the School of Education.

5. $50,726 - "To provide support for Phase II (Operational Phase) of the project to prepare counselors and teachers to work with disadvantaged adolescents," December 6, 1968, through June 15, 1969, under the direction of Dr. Franklin R. Zeran, Professor of Education.
6. $8,607 - "Personalized Education Program To Improve Education of Neglected Youth, Phase I," April 11 through December 31, 1969, under the direction of Mr. Ronald E. Kaiser, Unit Director, Research Coordinating Unit.

7. $88,487 - To accommodate expenditures for an instructional program entitled, "Planning Grant for Pre-Service Training," July 1 through August 31, 1969, under the direction of Mr. Ronald G. Petrie, Instructor in Education.

U. S. Dept. of the Interior

Grants totaling $265,165 from the U. S. Department of the Interior, for research, fellowships, training programs, and other purposes, as follows:

1. $2,500 - "To accommodate expenditures in a program to conduct archaeological salvage excavations in the Lost Creek and Elk Creek Reservoir projects in Oregon," November 1, 1969, through June 30, 1970, under the direction of Dr. Wilbur A. Davis, Associate Professor of Anthropology.

2. $19,923 - "Research to develop a model for analysis of the distribution system for Northwest-oriented fresh salmon," June 25, 1969, through June 24, 1970, under the direction of Dr. Philip B. Schary, Assistant Professor of Business Administration.

3. $5,300 - "To accommodate expenditures for operational costs under a predoctoral fellowship award in behalf of Terry Dean Roelofs," July 1, 1969, through June 30, 1970, under the direction of Dr. Charles E. Warren, Professor of Fisheries.

4. $63,553 - "Oceanographic Investigations of the Inshore Waters of the North Pacific," July 1, 1969, through June 30, 1970, under the direction of Dr. William Renfro, Assistant Professor of Oceanography.

5. $5,700 - "To accommodate expenditures for costs under a predoctoral fellowship award in behalf of Steven J. Broderius," July 1, 1969, through June 30, 1970, under the direction of Dr. Peter Doudoroff, Professor of Fisheries.


7. $40,107 - "Functionality Modifications of Fish Protein Concentrate," June 30, 1969, through June 30, 1970, under the direction of Dr. A. F. Angleter, Associate Professor of Food Science and Technology.
8. $114,868 - "To accommodate expenditures for costs under a training program in water supply and pollution control," July 1, 1969, through June 30, 1970, under the direction of Dr. Herbert C. Curl, Jr., Associate Professor of Oceanography.

U. S. Dept. of Labor

Grant of $183,010 from the U. S. Department of Labor, Manpower Administration, San Francisco, California, "to provide for a 1969 Summer Youth Corps Program to cover 462 enrollees for the period June 1 through August 31, 1969," under the direction of Dr. Harry Clark, Extension Community Development Specialist.

U. S. Dept. of Transportation

Grant of $53,960 from the U. S. Department of Transportation, Washington, D.C., to accommodate expenditures for equipment for an educational program entitled, "The Use of Simulator and Multi-Media Equipment in a University Driver Education Program," August 1, 1969, through July 31, 1970, under the direction of Dr. Roy A. Foster, Professor of Hygiene and Health Education.

U. S. Navy Dept., Grants totaling $294,065 from the U. S. Department of the Navy, Office of Naval Research, Washington, D. C., for research, as follows:

1. $290,000 - "Use of On-Line Computers in Experimental Research," September 1, 1971, through August 31, 1972, under the direction of Dr. Roy A. Young, Dean of Research.


U. S. Public Health Service

Grants totaling $792,163 from the U. S. Public Health Service, Washington, D.C., for research, training programs, and other purposes, June 1, 1969, through May 31, 1970, unless otherwise indicated, as follows:

1. $15,051 - "Biosynthesis of Essential Metabolites," under the direction of Dr. Annette Baich, Assistant Professor of Biochemistry, Science Research Institute.

2. $18,839 - "Neural Detection of Ionizing Radiations," under the direction of Dr. Donald J. Kimeldorf, Professor of Radiation Biology.

3. $24,700 - "Comparative Enzymic Patterns During Development," under the direction of Dr. Robert W. Newburgh, Acting Head of Biochemistry and Biophysics.

4. $269,280 - "Center for Environmental Management," and to accommodate expenditures for training stipends, travel, tuition and fees, under the direction of Dr. Virgil H. Freed, Head of Agricultural Chemistry, and Dr. Lyle D. Calvin, Head of Statistics.
5. $19,720 - "Sedimentation Analysis of Associating Systems," under the direction of Dr. Robert D. Dyson, Assistant Professor of Biophysics.

6. $92,057 - "A Study of the Economic Impact of a Fluoride Emitting Source on the Fruit Tree Industry in The Dalles Area," under the direction of Mr. William M. Mellenthin, Professor of Horticulture.

7. $12,230 - "To accommodate expenditures for stipends, tuition and fees, and trainee travel under an allied health professions traineeship," July 1, 1969, through June 30, 1970, under the direction of Dr. Margaret L. Fincke, Professor of Foods and Nutrition.

8. $65,855 - "To accommodate expenditures for the development of a technical information and management system for reduction of pesticide waste problems," July 1, 1969, through June 30, 1970, under the direction of Dr. Robert L. Goulding, Associate Professor of Entomology.

9. $46,123 - "To accommodate expenditures for costs under a training program in Food Protection and Toxicology," July 1, 1969, through June 30, 1970, under the direction of Dr. Harold W. Schultz, Head of Food Science and Technology.

10. $29,160 - "Biosynthesis and Metabolism of Terpenes," September 1, 1969, through August 31, 1970, under the direction of Dr. Walter D. Loomis, Associate Professor of Biochemistry.


12. $50,000 - "To accommodate expenditures for participant and operational costs under a training grant in Radiological Health," February 1, 1969, through August 31, 1970, under the direction of Dr. E. Dale Trout, Professor of Radiological Physics.

13. $25,498 - "Metabolism of Hexachlorophene, a Potential Intoxicant," June 1, 1969, through May 31, 1970, under the direction of Dr. Donald R. Buhler, Associate Professor of Agricultural Chemistry.

14. $24,167 - "Analysis of the Sterol Components of Yeast," April 1, 1969, through March 31, 1970, under the direction of Dr. Leo W. Parks, Associate Professor of Microbiology.

Western Electric Co.  Gift of a Logic Training Aid, valued at $250, from Western Electric Co., Sunnyvale, California, for use in the School of Engineering.
Grants to the several Agricultural Experiment Station departments and divisions for research work and other purposes from various donors, as follows:

**Agricultural Research Foundation**

$7,500 - "In support of fluoride research," under the direction of Mr. W. M. Mellenchkin, Professor of Horticulture.

$5,080.56 - Representing the value of equipment transferred from the Agricultural Research Foundation to the various departments and Experiment Stations.

**American Angus Association**

$3,500 - "The Effect of Marbling on Case Life of Fresh Beef," under the direction of Dr. W. H. Kennicke, Associate Professor of Animal Science.

**American Rose Foundation**

$1,000 - "For the study of rose virus," under the direction of Dr. J. R. Shay, Professor of Botany and Plant Pathology.

**American Poultry and Hatchery Federation**

$1,000 - "Research on the nutrition of dwarf white leghorn layers," under the direction of Dr. G. H. Arscott, Professor of Poultry Nutrition.

**M. Brown & Sons, Inc.**

$550 - "Control of Mint Insects," under the direction of Dr. Ralph Berry, Assistant Professor of Entomology.

**Herman Frasch Foundation**

$2,400 - "Fundamental Biochemical and Biophysical Mechanisms Involved in Herbicidal Action," under the direction of Dr. R. O. Morris, Assistant Professor of Chemistry and Agricultural Chemistry.

**Fisons Corporation**

$350 - "In support of the entomology research program," under the direction of Dr. R. W. Zwick, Assistant Professor of Entomology.

**Ford Motor Company**

$3,000 - Representing the value of a Tractor Power Train-Ford 4000 for use in resident instruction under the direction of Mr. R. N. Lunde, Professor of Agricultural Engineering.

**Merck & Co., Inc.**

$2,600 - "Natural Nematode Infections in Lambs," under the direction of Dr. S. E. Knapp, Professor of Veterinary Parasitology.

**Miller-Morton Company**

$24,000 - "A Study of Parasites on Pets," under the direction of Dr. R. L. Goulding, Associate Professor of Entomology.

**National Council for Air and Stream Improvement, Inc.**

$3,750 - "Relation of Pulp Mill Effluents to Biological Productivity of Bays and Estuaries," under the direction of Dr. C. E. Warren, Professor of Fisheries.

**Northwest Food Processors Association**

$1,298 - "Support of Food Processor Industry to Applied Research Work in Agriculture," under the direction of Dr. W. A. Frazier, Professor of Horticulture, and Dr. E. K. Vaughan, Professor of Plant Pathology.
<table>
<thead>
<tr>
<th>Organization</th>
<th>Grant Amount</th>
<th>Project Description</th>
<th>Principal Investigator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon Bulb Farms</td>
<td>$5,000</td>
<td>&quot;Tissue Culture of Lilies,&quot; under the direction of Dr. T. C. Allen, Associate Professor of Botany and Plant Pathology.</td>
<td></td>
</tr>
<tr>
<td>The Oregon Cattlemen's Association</td>
<td>$856.14</td>
<td>&quot;Impact of Changes in Market Structure and Technology on the Beef Cattle Industry,&quot; under the direction of Dr. James Youde, Assistant Professor of Agricultural Economics.</td>
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</tr>
<tr>
<td>Oregon Filbert Commission</td>
<td>$7,180</td>
<td>&quot;Filbert Breeding and Cultural Studies,&quot; under the direction of Dr. S. B. Apple, Jr., Professor of Horticulture.</td>
<td></td>
</tr>
<tr>
<td>Oregon State Dept. of Agriculture</td>
<td>$3,652</td>
<td>&quot;Varietal Testing and Improvement of Small Grains for Western Oregon,&quot; under the direction of Dr. W. E. Kronstad, Associate Professor of Agronomy.</td>
<td></td>
</tr>
<tr>
<td>Oregon State Game Commission</td>
<td>$9,000</td>
<td>&quot;Angler Effort and Catch Survey,&quot; under the direction of Dr. Lyle D. Calvin, Professor of Statistics.</td>
<td></td>
</tr>
<tr>
<td>Sport Fishing Institute</td>
<td>$965</td>
<td>&quot;To support graduate students for research of Exploring Fish Biology,&quot; under the direction of Dr. Howard F. Horton, Professor of Fisheries.</td>
<td></td>
</tr>
<tr>
<td>U. S. Bureau of Commercial Fisheries</td>
<td>$3,437</td>
<td>&quot;Effects of Logging on Salmon Populations in Coastal Streams,&quot; under the direction of Dr. J. D. Hall, Assistant Professor of Fisheries.</td>
<td></td>
</tr>
<tr>
<td>U. S. Bureau of Land Management</td>
<td>$1,199.45</td>
<td>&quot;Soil Survey Work Plan for a General Soil Map of the Willamette River Basin, Oregon,&quot; under the direction of Dr. G. H. Simonson, Associate Professor of Soils.</td>
<td></td>
</tr>
<tr>
<td>U. S. Dept. of Agriculture</td>
<td>$10,000</td>
<td>&quot;Construction of Horticulture Growth Chamber Building and equipment,&quot; under the direction of Dr. A. N. Roberts, Professor of Horticulture.</td>
<td></td>
</tr>
<tr>
<td>Velsicol Chemical Corporation</td>
<td>$4,500</td>
<td>&quot;Chlordane-Heptachlor Residue of Beet Pulp from Treated Beets,&quot; under the direction of Dr. A. T. Ralston, Professor of Animal Science.</td>
<td></td>
</tr>
<tr>
<td>Western Oregon Onion Growers</td>
<td>$1,000</td>
<td>&quot;Research on Onion Root Rot,&quot; under the direction of Dr. E. K. Vaughan, Professor of Plant Pathology.</td>
<td></td>
</tr>
</tbody>
</table>
University of Oregon

Scholarships & Fellowships

Gifts totaling $17,415.86 from the following donors for scholarships and fellowships:

- American Legion, Indianapolis, Indiana: $500.00
- American Universities, Inc., Cambridge, Massachusetts: $560.00
- College of Business Administration, Autzen Foundation Scholarship, Portland: $550.00
- College of Business Administration, Walter E. Heller Fellowship: $1,000.00
- Clark Charitable Trust, through the School of Law: $300.00
- Cornell University, Ithaca, New York: $123.00
- Mr. John L. Davis, San Francisco, California: $865.74
- First National Bank, Eugene: $8,665.44
- Embassy of Kuwait, Washington, D.C.: $133.00
- Kiwanis Club, Portland: $300.00
- Simon Benson Fund, Inc., Portland: $700.00
- U. S. National Bank, Portland: $984.00
- University of Oregon Alumni School Fund, Eugene: $2,000.00
- Janet G. Woodruff Alumnae Scholarship, through the School of Health, Physical Education and Recreation, University of Oregon, Eugene: $734.68

National Aeronautics and Space Administration

Grant of $15,000 from the National Aeronautics and Space Administration, for research entitled, "The Geochemistry of Trace Elements in Meteorites and Related Materials," September 1, 1968, through August 31, 1971, under the direction of Dr. Gordon G. Goles, Associate Professor, Chemistry Department and Geology Department.

NASA Manned Spacecraft Center

Grant of $35,763 from the National Aeronautics and Space Administration Manned Spacecraft Center, Houston, Texas, for the "Operation and Maintenance of the NASA Manned Spacecraft Center Geophysical Branch Mobile Laboratory," May 1, 1969, through April 30, 1970, under the direction of Dr. H. R. Blank, Associate Professor of Geology.

National Council on the Aging

Grant of $10,486 from the National Council on the Aging, Inc., New York City, in support of a research fellowship project entitled, "The Early Retirement Decision: An Analysis of Individual Factors," on behalf of Mr. U. Vincent Manion, Jr., June 30, 1969, through June 30, 1970, under the direction of Dr. H. Charles Pyron, Associate Professor, College of Business Administration

National Park Service

Grant of $10,000 from the National Park Service, San Francisco, California, for the preparation of a final report on the archeological salvage work in the John Day Reservoir," July 1, 1969, through July 1, 1970, under the direction of Mr. David Cole, Curator of Archeology, Museum of Natural History.
Grants totaling $589,500 from the National Science Foundation, Washington, D.C., for research, fellowships, and other purposes, July 1, 1969, through June 30, 1971, unless otherwise indicated, as follows:

1. $18,900 - "Lattice Point Covering Questions," under the direction of Dr. Ivan Niven, Professor of Mathematics.

2. $90,100 - "The Development of the Use of Small Digital Computers Interfaced with Chemical Instrumentation in an Undergraduate Chemistry Laboratory," under the direction of Dr. C. E. Klopfenstein, Assistant Professor of Physics.

3. $109,900 - "Theory of Solids," under the direction of Dr. Joel McClure, and Dr. G. H. Wannier, Professors of Physics; and Dr. G. D. Mahan, Associate Professor of Physics.

4. $77,500 - "Ions in Liquid Helium," under the direction of Dr. George W. Rayfield, Associate Professor of Physics.

5. $20,000 - "Various Problems in Geometry and Number Theory," under the direction of Dr. Michio Kuga and Dr. John V. Leahy, Professors of Mathematics.

6. $31,100 - "Theory of Many-Particle Systems," September 1, 1969, through August 30, 1971, under the direction of Dr. Marvin D. Girardeau, Professor of Physics and Director of the Institute of Theoretical Science.

7. $46,000 - "Enzymatic Addition of the pCpCpA Group to Transfer RNA," June 1, 1969, through May 31, 1970, under the direction of Dr. Edward Herbert, Professor of Chemistry.

8. $65,000 - "Inelastic Two and Three Photon Scattering from Biological Polymers," August 1, 1969, through July 31, 1971, under the direction of Dr. Warner L. Peticolas, Professor of Chemistry.

9. $50,000 - "Molecular Structure and Molecular Function of Catalytic Sites in Enzymes," under the direction of Dr. Sidney A. Bernhard, Professor of Chemistry.

10. $9,600 - "Doctoral Dissertation Research in Anthropology on behalf of Charles D. Laughlin, Jr., September 1, 1969, through February 28, 1971, under the direction of Dr. Vernon R. Dorjahn, Professor of Anthropology.

11. $35,600 - "Probability and Statistics," under the direction of Dr. Fred C. Andrews, Professor of Mathematics, and Dr. Donald R. Truax, Associate Professor of Mathematics.
12. $35,800 - "Graduate Fellowship Program," June 1, 1969, through June 30, 1970, under the direction of Dr. Leona E. Tyler, Dean of the Graduate School.

Puget Sound Governmental Conference

Grant of $40,000 from the Puget Sound Governmental Conference, Seattle, Washington to "write and modify computer programs in connection with Urban Planning project of the Puget Sound Governmental Conference," March 17 through December 31, 1969, under the direction of Mr. Kenneth Tollenaar, Acting Director, Bureau of Governmental Research.

U. S. Dept. of Justice

Grant of $6,281 from the U. S. Department of Justice, Washington, D.C., for research entitled, "Impact of Bail Procedures on Speedy Trial, Plea, and Sanction-Felonies," June 1 through September 30, 1969, under the direction of Dr. Eugene F. Scoles, Dean of the School of Law.

U. S. Forest Service

Grant of $2,000 from the U. S. Forest Service, Pacific Northwest Forest and Range Experiment Station, Portland, for a study entitled, "Organization Involvement of Conservation Group Members," June 15, 1969, through January 1, 1971, under the direction of Dr. Richard P. Gale, Assistant Professor of Sociology.

U. S. Air Force, Office of Scientific Research

Grant of $432,871 from the U. S. Air Force, Office of Scientific Research, Arlington, Virginia, in continued support of research entitled, "Coding Systems in Perception and Cognition," August 1, 1969, through August 31, 1970, under the direction of Dr. Ray Hyman, Professor of Psychology.

U. S. Dept. of the Army

Grant of $4,698 from the U. S. Department of the Army, Office of Civil Defense, Washington, D.C., for the Oregon Community Shelter Program, January 1 through March 31, 1969, under the direction of Dr. Edward G. Watson, Oregon Community Shelter Officer.

U. S. Army Research Office

Grant of $5,872 from the U. S. Army Research Office, Durham, North Carolina, for research entitled, "Reactions of Diatomic Molecules," December 1, 1969, through May 31, 1970, under the direction of Dr. Richard Noyes, Professor of Chemistry.

U. S. Atomic Energy Commission

Grants totaling $192,000 from the U. S. Atomic Energy Commission, Richland Operations Office, Richland, Washington, for research and other purposes, as follows:

1. $15,000 - "Cell Renewals and Secretions in Male Accessory Sex Organs," June 1, 1969, through May 31, 1970, under the direction of Dr. Paul Risley, Professor of Biology.

2. $100,000 - "In continued support of the Nuclear Physics Program," June 1 through October 31, 1969, under the direction of Dr. Bernd Crasemann, Professor of Physics; Dr. Harlan W. Lefevre, Dr. David K. McDaniels, Dr. Jack C. Overley, and Dr. Amit Goswami, Associate Professors of Physics.
3. $77,000 - "Theory of Elementary Particles," June 1, 1969, through May 31, 1970, under the direction of Dr. Michael J. Moravcsik, Professor of Physics.

Grants totaling $1,258,386 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., for research, training programs, institutes, and other purposes, July 1, 1969, through June 30, 1970, unless otherwise indicated, as follows:

1. $48,821 - "Training Program in Juvenile Delinquency, Prevention and Control," under the direction of Mr. Edgar W. Brewer, Associate Professor, School of Community Service and Public Affairs.

2. $64,298 - "Training and Juvenile Delinquency Prevention and Control," under the direction of Dr. Arthur Pearl, Professor, College of Education.

3. $31,775 - "New Methods of Fertility Regulation," June 24, 1969, through June 23, 1970, under the direction of Dr. Paul Risley, Professor of Biology.

4. $179,360 - "Special Education Experienced Teacher Fellowship Project and Institute for School Administrators," June 20, 1969, through June 30, 1970, under the direction of Dr. James Hotchkiss, Associate Professor of Education, and Dr. Leona Tyler, Dean of the Graduate School.

5. $136,917 - "Institute for Training in Librarianship," January 30, 1969, through September 30, 1970, under the direction of Dr. LeRoy C. Merritt, Dean of the School of Librarianship.

6. $40,581 - "Project to Train School Administrative Personnel in Individualized Instruction and Precision Teaching," May 28, 1969, through June 30, 1970, under the direction of Dr. F. Lee Brissay, Professor of Education.

7. $287,965 - "An Institute for Studies in Gerontology," under the direction of Dr. Frances G. Scott, Associate Professor of Education and Community Service.

8. $46,531 - "Program for the Preparation of Professional Personnel in Education of the Handicapped, Administration," June 1, 1969, through August 31, 1970, under the direction of Dr. Robert Mattson, Chairman, Special Education.

9. $25,300 - "Prospective Teacher Fellowship Program in Health Education," June 24, 1969, through August 31, 1970, under the direction of Dr. Richard D. Schlaadt, Assistant Professor, Health, Physical Education and Recreation.
10. $73,000 - "Graduate Research Training Program in Educational Administration," September 1, 1969, through August 31, 1970, under the direction of Dr. Forrest L. Brissney, Professor of Education.

11. $26,809 - "Planning Grant for Development of a National Consortium of Institutions Training Administrators of Special Educational Programs," August 1, 1969, through July 31, 1970, under the direction of Dr. Melton C. Martinson, Associate Professor of Special Education.

12. $23,100 - "Prospective Teacher Fellowship Program in Latin," June 24, 1969, through August 31, 1970, under the direction of Dr. Frederick M. Combellack, Head of the Department of Classics, Chinese and Japanese.

13. $5,700 - "Prospective Teacher Fellowship Program in Art Education," June 24, 1969, through August 31, 1970, under the direction of Dr. Thomas Ballinger, Professor, Art Department.

14. $24,400 - "Prospective Teacher Fellowship Program in Mathematics," June 24, 1969, through August 31, 1970, under the direction of Dr. A. F. Moursund, Head of the Department of Mathematics.

15. $86,200 - "Special Education Experienced Teacher Fellowship Project and Institute for School Administrators--grant award increased to include an additional ten fellowships," June 20, 1969, through June 30, 1970, under the direction of Dr. James Hotchkiss, Associate Professor of Education.

16. $116,651 - "Regional Resource Center for Handicapped Children," June 30, 1969, through June 30, 1970, under the direction of Dr. Melton C. Martinson, Associate Professor, College of Education.

17. $40,978 - "For purchase of library materials," June 17, 1969, through June 30, 1970, under the direction of Mr. Donald L. Smith, Assistant Librarian.

U. S. Dept. of Housing and Urban Development, Seattle, Washington, for the following purposes:

1. $60,000 - "Housing Study for the Eugene-Springfield Metropolitan Area and the Lower Willamette Valley," June 30, 1969, through June 30, 1970, under the direction of Mr. Kenneth Tollenaar, Acting Director, Bureau of Governmental Research.

Grants totaling $81,872 from the U. S. Public Health Service, Washington, D. C., for research, training programs, fellowships, and other purposes, as follows:

1. $2,985 - "Field Research Training in Anthropology on behalf of Donald Gordon," June 1, 1969, through September 30, 1970, under the direction of Dr. V. R. Dorjahn, Professor and Head of the Anthropology Department.

2. $4,570 - "A Field Research Training Grant Award in Anthropology on behalf of Roland M. Wagner, Research Fellow," June 20, 1969, through December 31, 1970, under the direction of Dr. Philip D. Young, Acting Assistant Professor of Anthropology.


4. $6,282 - "Drug Offenders: Relationship of Background to Sanction," June 20 through September 30, 1969, under the direction of Dr. Eugene F. Scoles, Dean of the School of Law.

5. $5,100 - "Predoctoral Fellowship on behalf of Roland M. Wagner," for twelve months beginning no later than June 19, 1970, under the direction of Dr. Philip D. Young, Assistant Professor of Anthropology.

6. $6,100 - "Predoctoral Fellowship on behalf of Julian M. Libet," for twelve months beginning no later than June 24, 1970, under the direction of Dr. Peter M. Lewinsohn, Associate Professor, Psychology Department.

7. $6,100 - "Predoctoral Fellowship Award on behalf of Bruce V. Updyke," for twelve months beginning no later than June 24, 1970, under the direction of Dr. Joel W. Adkins, Assistant Professor of Psychology.

8. $4,400 - "Predoctoral Fellowship Award on behalf of Charles D. Armsbury," July 11, 1969, through January 10, 1970, under the direction of Dr. Kenneth Polk, Associate Professor of Sociology.

9. $4,924 - "Thienopyridine Analogs of Serotonin and Tryptophan," June 1, 1969, through May 31, 1970, under the direction of Dr. Leroy H. Klemm, Professor of Chemistry and Associate Dean of the Graduate School.

10. $6,000 - "Depression: A Clinical-Research Approach," June 20, 1969, through May 31, 1970, under the direction of Dr. Peter M. Lewinsohn, Professor of Psychology.
11. $5,600 - "Predoctoral Fellowship Award on behalf of W. Penn Handwerker," for twelve months beginning no later than June 9, 1970, under the direction of Dr. Vernon R. Dorjahn, Professor of Anthropology.

12. $5,100 - "Predoctoral Fellowship Award on behalf of Kenneth Charles Hunter," for twelve months beginning no later than June 1, 1970, under the direction of Dr. P. P. Rudy, Assistant Professor of Biology and Director of the Institute of Marine Biology.

13. $4,900 - "Predoctoral Fellowship Award on behalf of Susan E. Magic," for twelve months beginning no later than June 1, 1970, under the direction of Dr. John R. Froines, Professor of Chemistry.

14. $5,100 - "Predoctoral Fellowship Award on behalf of James A. Duncan," for twelve months beginning no later than June 1, 1970, under the direction of Dr. John E. Baldwin, Professor of Chemistry.

15. $4,627 - "Career Award on behalf of Dr. M. J. Cohen," July 1, through August 31, 1969, under the direction of Dr. S. S. Tepfer, Professor and Head of the Department of Biology.

16. $5,250 - "Field Research Training in Anthropology on behalf of W. Penn Handwerker," June 1, 1969, through January 31, 1971, under the direction of Dr. V. R. Dorjahn, Head and Professor of Anthropology.

UO Development Fund Grants totaling $30,892 from the University of Oregon Development Fund, to be used for the following purposes:

1. $1,667 - "Monthly transfer of funds to the University of Oregon Library to supplement book acquisitions," under the direction of Dr. Carl W. Hintz, University Librarian.

2. $18,760 - "Monthly transfer of funds to be used for salaries, wages, materials and expense, and travel in the School of Community Service and Public Affairs," under the direction of Dr. Norman D. Sundberg, Dean of the School of Community Service and Public Affairs.

3. $2,500 - "Transfer of funds to cover salary and payroll assessments of faculty teaching courses involving the Exceptional and Mentally Retarded Children within the College of Education."

4. $1,862 - "Monthly transfer of funds to cover salaries and other expenses."

5. $624 - "Monthly transfer of funds to cover salaries and payroll assessments of faculty in Education and Political Science."
6. $346 - "To be given to the University of Oregon Alumni Scholarship Fund," under the direction of Mr. W. N. McLaughlin, Business Manager.

7. $3,000 - "To be used for financial assistance of needy field placement students," under the direction of Dr. Norman Sundberg, Dean of the School of Community Service and Public Affairs. The funds were donated through the Development Fund by Mr. Gerald Frank.

8. $2,133 - "Recruitment and tutorial costs," July 1, 1969, through June 30, 1970, under the direction of Rosie Lee Noel, Director of Project 75.

Wyoming State Department of Education

Grant of $600 from the Wyoming State Department of Education, Cheyenne, Wyoming, to provide a summer traineeship in special education under P.L. 85-926, June 15 through September 15, 1969, under the direction of Dr. Robert Mattson, Associate Professor of Education.

Gifts to the Library

Gifts to the University of Oregon Library from the following donors:

Mrs. K. W. Onthank

Personal library maintained by Dean Karl W. Onthank, from Mrs. K. W. Onthank. The gift is valued at $616.

C. Dawson

Books concerning twentieth century literature and the fine arts, valued at $353.50, from Mrs. Carley Dawson, Washington, D. C.

Museum of Art

Gifts to the University of Oregon Museum of Art from the following donors:

Dr. & Mrs. W. S. Baldinger

A Korean painting, valued at $1,500 from Dr. and Mrs. Wallace S. Baldinger, Eugene.

Mrs. E. J. Berry

Five items of Japanese textiles and pottery, valued at $935, from Mrs. Eugene J. Berry, Palo Alto, California.

Mr. & Mrs. Rolf Klop

Four pieces of antique Indian sculpture, valued at $3,625, from Mr. and Mrs. Rolf Klop, Gearhart.

University of Oregon Dental School

American Dental Association

Gift of $100 from the American Dental Association, Chicago, Illinois, "to defray expenses in connection with the summer Junior Dental Scientist Awards Program," under the direction of Dr. Richard B. Parker, Supervisor for the Program.

Oregon Foundation for Dental Research and Development

Grant of $2,000 from the Oregon Foundation for Dental Research and Development, Portland, for research entitled, "Development and Evaluation of a Dental Health Kit," under the direction of Dr. F. M. Sorenson, Director of Clinics, and Dr. James S. Bennett, Acting Chairman. Department of Gerodontology.
Grant of $4,250 from the Oregon State Program on Aging, Eugene, for research entitled, "The Dental Health of Oregon's Aging People," July 1, 1969, through June 30, 1970, under the direction of Dr. James S. Bennett, Acting Chairman of the Gerontology Department.

Grant of $48,614 from the U. S. Department of the Army, Medical Research and Development Command, Washington, D.C., for research entitled, "Instantaneous Direct Visualization of X-Ray Patterns in Oral Surgery Procedures," July 1, 1969, through June 30, 1970, under the direction of Dr. Bhim S. Savara, Chairman, Child Study.

Grant of $33,017 from the U. S. Public Health Service, Washington, D.C., for research entitled, "Dento-Facial Growth in Endocrine and Metabolic Disorders, June 1, 1969, through May 31, 1970, under the direction of Dr. William E. Tracy, Child Study Clinic.

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**University of Oregon Medical School**

Gifts totaling $7,930 from the following donors for scholarships and fellowships:

- Kaiser Foundation Health Services Research Unit, Portland $ 1,080.00
- Oregon Heart Association, Portland 6,500.00
- Ridgefield High School, Ridgefield, Washington 250.00
- Tillamook County General Hospital, Tillamook 100.00

Grant of $3,600 from the American Cancer Society, Oregon Division, Portland, "to provide esophageal speech training program, under the direction of Mr. Mervyn Hollyfield," September 1, 1968, through August 31, 1970, under the direction of Dr. David DeWeese, Professor and Chairman of the Otolaryngology Department.

Grants totaling $24,100 from the American Heart Association, Inc., New York City, for research and other purposes, as follows:

1. $9,900 - "Anticoagulant Prophylaxis and Prosthetic Heart Valves," July 1, 1969, through June 30, 1970, under the direction of Dr. Arthur J. Seaman, Professor of Medicine.

2. $1,000 - "A grant to the Department Head (Dr. John M. Brookhart) to cover expenses incurred by Dr. J. Job Faber, who received an investigatorship award from the American Heart Association," effective July 1, 1969, under the direction of Dr. Brookhart, Chairman of the Department of Physiology.

3. $13,200 - "The Formation and Metabolism of Vascular Connective Tissue Components," July 1, 1969, through June 30, 1970, under the direction of Dr. J. Peter Bentley, Associate Professor of Experimental Biology.
<table>
<thead>
<tr>
<th>Organization</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Chi Omega Alumnae of Portland</td>
<td>Gift of $1,700 from Chi Omega Alumnae of Portland, Portland, in continued support of the Chi Omega Laboratory, under the direction of Dr. R. W. Olmsted, Chairman of the Department of Pediatrics.</td>
</tr>
<tr>
<td>The Clemens Foundation</td>
<td>Gift of $100 from The Clemens Foundation, Philomath, to be used for Immunology Research, under the direction of Dr. Bernard Pirofsky, Head of the Division of Immunology, Allergy, and Infectious Diseases.</td>
</tr>
<tr>
<td>Doernbecher Hospital Guild</td>
<td>Gift of $4,000 from the Doernbecher Hospital Guild, Portland, in continued support of the laboratory activities in the Department of Pediatrics, under the direction of Dr. George W. Dana, Acting Chairman of the Department of Pediatrics.</td>
</tr>
<tr>
<td>Fraternal Order of Eagles</td>
<td>Gift of $1,000 from the Fraternal Order of Eagles, Salem, for the unrestricted use of the Doernbecher Memorial Hospital for Children, under the direction of Dr. Michael Baird, Medical Director.</td>
</tr>
<tr>
<td>Leukemia Society of America, Inc.</td>
<td>Grant of $15,000 from the Leukemia Society of America, Inc., New York City, in further support of a scholarship for Dr. Marvin B. Rittenberg, under the direction of Dr. Rittenberg, Assistant Professor of Immunology, Allergy, and Infectious Diseases.</td>
</tr>
<tr>
<td>Leukemia Society of America, Inc., Oregon Chapter</td>
<td>Gift of $417.80 from the Leukemia Society of America, Inc., Oregon, Chapter, Portland, in continued support of the Summer Scholarship Fund at the Medical School, under the direction of Dr. Charles N. Holman, Dean of the Medical School.</td>
</tr>
<tr>
<td>The Merck Company Foundation</td>
<td>Grant of $5,000 from the Merck Company Foundation, Rahway, New Jersey, as an unrestricted contribution to be used for teaching and research purposes, under the direction of Dr. William K. Riker, Chairman of the Department of Pharmacology.</td>
</tr>
<tr>
<td>The Milheim Foundation for Cancer Research</td>
<td>Grant of $6,900 from the Milheim Foundation for Cancer Research, through the Colorado National Bank Trust Department, Denver, Colorado, for research entitled, &quot;The Effect of Immune Aberrations on Virus Induced Murine Leukemia,&quot; July 1, 1969, through June 30, 1970, under the direction of Dr. Bernard Pirofsky, Head of the Division of Immunology and Allergy, and Dr. Robert H. Reid, Resident in the Department of Medicine.</td>
</tr>
<tr>
<td>Myasthenia Gravis Association</td>
<td>Grant of $1,500 from the Myasthenia Gravis Association, Portland, for research in the Division of Immunology, Allergy, and Infectious Diseases, under the direction of Dr. Bernard Pirofsky, Head of the Division of Immunology, Allergy, and Infectious Diseases.</td>
</tr>
<tr>
<td>National Cystic Fibrosis Research Foundation</td>
<td>Grant of $10,300 from the National Cystic Fibrosis Research Foundation, New York City, to provide a trainee-fellowship for Dr. Walter A. Sunderland, July 1, 1969, through June 30, 1970, under the direction of Dr. Robert Campbell, Associate Professor of Pediatrics.</td>
</tr>
</tbody>
</table>
The National Foundation Grants totaling $34,252 from The National Foundation, New York City, for research and other purposes, as follows:

1. $3,300 - "Birth Defects Research," July 1 through October 31, 1969, under the direction of Dr. Neil R. M. Buist, Assistant Professor of Pediatrics.


Norwich Pharmacal Company Grant of $300 from Norwich Pharmacal Company, Norwich, New York, for research in the Division of Urology, under the direction of Dr. Clarence V. Hodges, Head of the Division of Urology.

Oregon Heart Association Grants totaling $12,473 from the Oregon Heart Association, Portland, for research and other purposes, as follows:

1. $6,500 - "Long Term Relationships Between Pregnancy and Heart Disease," June 15, 1969, through June 15, 1970, under the direction of Dr. James Metcalfe, Professor of Medicine (Cardiology).


4. $900 - "To provide technical support for a research project under the direction of Dr. Albert Starr, Professor and Chairman, Cardiopulmonary Surgery.

Omark Industries Grant of $2,000 from Omark Industries, Inc., Portland, in support of "Language Development Research Project," under the direction of Dr. Herold S. Lillywhite, Professor of Speech Pathology.

Oregon Medical Association Grant of $6,000 from the Oregon Medical Association, Portland, for the unrestricted use of the library, under the direction of Miss Margaret Hughes, Librarian.

Oregon State Elks Association Gift of $20,137.06 from the Oregon State Elks Association, Bend, in continued support of the program for visually handicapped children, under the direction of Dr. Kenneth C. Swan, Chairman of the Department of Ophthalmology.

Philippine Lumber Producers' Association, Inc., Manila, Philippines, as a contribution in memory of Mr. Earl Ritzheimer, to be used for cancer research under the direction of Dean Holman.
Gift of $250 from the Portland Federation of Women's Clubs, Portland, for the unrestricted use of the Doernbecher Hospital for Children, under the direction of Dr. Michael Baird, Medical Director.

Gift of a model of the human brain, valued at $500, from the Schering Corporation, Burien, Washington.

Gift of $5,000 from Smith Kline & French Foundation, as an unrestricted contribution to be used for teaching and research purposes under the direction of Dr. W. K. Riker, Chairman of the Department of Pharmacology.

Grant of $45,933 from the U. S. Air Force, Mt. Rainier, Maryland, for research, entitled, "Speech Characteristics as Indices of Attitude, Mood, and Motivational State," May 1, 1969, through April 30, 1970, under the direction of Dr. Joseph D. Matarazzo, Professor and Chairman of the Department of Medical Psychology.

Grants totaling $556,680 from the U. S. Department of Health, Education and Welfare, Washington, D.C., for research and other purposes, as follows:

1. $554,280 - "Mental Retardation Training Project," July 1, 1969, through June 30, 1970, under the direction of Dr. Leroy O. Carlson, Associate Professor of Pediatrics.

2. $2,400 - "Adverse Reaction Reporting Service," July 1969 to July 1970, under the direction of Dr. Michael Baird, Medical Director of Hospitals and Clinics.

Grants totaling $2,473,306 from the U. S. Public Health Service, Washington, D.C., for research, fellowships, training programs and other purposes, July 1, 1969, through June 30, 1970, unless otherwise indicated, as follows:

1. $21,000 - "Cytotochemistry Training," under the direction of Dr. Richard T. Courley, Associate Professor of Pathology.

2. $5,300 - "Predoctoral Fellowship for Mr. H. Michael Danciger," under the direction of Dr. Ernest A. Meyer, Associate Professor of Microbiology.

3. $54,638 - "Graduate Training Program in Urological Oncology," under the direction of Dr. Clarence V. Hodges, Head, Department of Urology.

4. $26,588 - "Undergraduate Psychiatric Nursing Training Program," under the direction of Miss Charlotte Markel, Associate Professor of Psychiatric Nursing.

5. $38,853 - "Graduate Training Program in Biological Sciences," under the direction of Dr. John M. Brookhart, Professor and Chairman of Physiology.
6. $80,483 - "Multidisciplinary Basic Research in Dermatology," under the direction of Dr. Walter C. Lobitz, Professor and Head of the Department of Dermatology.

7. $59,844 - "Graduate Training Program in Diagnostic Radiology," under the direction of Dr. Charles T. Dotter, Professor and Chairman of the Department of Radiology.

8. $22,789 - "Graduate Training Program in the Department of Pharmacology," July 1, 1969, through June 30, 1970, under the direction of Dr. John D. Gabourele, Associate Professor of Pharmacology.

9. $41,378 - "Graduate Program in Human Genetics," under the direction of Dr. Robert D. Koler, Professor and Head of the Division of Experimental Medicine.

10. $45,368 - "Training Program in Undergraduate Psychiatry," under the direction of Dr. George Saslow, Professor and Head of the Department of Psychiatry.

11. $53,177 - "Graduate Training Program in Allergy and Immunology," under the direction of Dr. Arthur W. Frisch, Professor and Chairman, Department of Bacteriology.

12. $63,830 - "Graduate Training Program in Physiology," under the direction of Dr. John M. Brookhart, Professor and Chairman of Physiology.

13. $75,033 - "Graduate Training Program in Otolaryngology," under the direction of Dr. David D. DeWeese, Professor and Chairman of Otolaryngology.

14. $60,453 - "Psychiatry - GP - Post Graduate Education," under the direction of Dr. Robert I. Daugherty, Assistant Clinical Instructor in Psychiatry. This is a graduate training project.

15. $43,572 - "Graduate Training Program in Metabolism and Diabetes," under the direction of Dr. Richard E. Bailey, Associate Professor of Medicine.

16. $49,605 - "Graduate Training Program in Cardiovascular Physiology," under the direction of Dr. James Metcalfe, Professor of Cardiology.

17. $86,183 - "Graduate Training Program in Neurology," under the direction of Dr. Roy L. Swank, Professor and Head of Neurology.

18. $52,954 - "Graduate Training Program in Endocrinology," under the direction of Dr. Monte A. Greer, Professor and Head of Endocrinology.
19. $28,253 - "Active Sodium Transport-Metabolic and Steroidal Regulation," under the direction of Dr. George A. Porter, Assistant Professor of Cardiology.

20. $17,658 - "Molecular Nature of Flagellar Antigen Specificity," under the direction of Dr. Terence M. Joys, Assistant Professor of Microbiology.

21. $29,430 - "Neuroendocrinology and Thyroid Physiology," under the direction of Dr. Monte A. Greer, Professor and Head of Endocrinology.

22. $60,480 - "Residency Training Program in the Department of Psychiatry," under the direction of Dr. George Saslow, Professor and Chairman, Department of Psychiatry.

23. $80,077 - "Graduate Training Program in Surgery," under the direction of Dr. Albert Starr, Professor and Head, Division of Cardiopulmonary Surgery.

24. $199,497 - "Graduate Training Program in Psychiatry," under the direction of Dr. George Saslow.

25. $21,025 - "Institute for Professors of Psychiatry," under the direction of Dr. George Saslow, Professor and Head of Psychiatry.

26. $37,368 - "Graduate Training Program in Radiology," under the direction of Dr. Melvin P. Judkins, Associate Professor of Radiology.

27. $12,388 - "Allied Health Professions Advanced Traineeship Grant," under the direction of Dr. Tyra T. Hutchens, Chairman, Department of Clinical Pathology.

28. $199,000 - "Health Professions Educational Improvement Program - Basic Improvement Grant," under the direction of Dr. Charles N. Holman, Dean.

29. $5,913 - "Graduate Training Program in Ophthalmology," under the direction of Dr. Kenneth C. Swan, Chairman and Professor, Department of Ophthalmology.

30. $440,434 - "Research in Pregnancy Factors and Resultant Child Outcome," under the direction of Dr. William M. Clark, Jr., Professor of Pediatrics.

31. $27,489 - "Smoking Education and Evaluation Program," July 1, 1969, through July 31, 1970, under the direction of Dr. Richard L. Grant, Assistant Professor of Psychiatry.
32. $13,523 - "Public Health Nursing Traineeship Grant - Public Health Traineeship Program," September 27, 1969, through September 26, 1970, under the direction of Miss Lucile Gregerson, Associate Professor, School of Nursing.

33. $367,161 - "Cardiovascular Program Project," June 1, 1969, through May 31, 1970, under the direction of Dr. Michael Baird, Medical Director and Administrator of Hospitals and Clinics.

34. $8,640 - "Darwin C. Lehfeldt, M.D., Cancer Control Senior Clinical Traineeship," July 15, 1969, through July 14, 1970, under the direction of Dr. Tyra T. Hutchens, Professor of Clinical Pathology, and Dr. Darwin C. Lehfeldt, Resident in Clinical Pathology.

35. $3,000 - "Eccrine Sweat Gland Function," September 1, 1968, through August 31, 1969, under the direction of Dr. Richard L. Dobson, Professor of Dermatology.

36. $29,147 - "Single Cell Studies of Learning," May 1, 1969, through April 30, 1970, under the direction of Dr. James H. O’Brien, Assistant Professor of Medical Psychology.

37. $2,556 - "Blood Vessel Connective Tissue Studies," under the direction of Dr. J. Peter Bentley, Associate Professor of Experimental Biology, effective September 1, 1968, through August 31, 1969.

38. $9,219 - "Cardiovascular Physiology in Pregnancy," September 1, 1968, through August 31, 1969, under the direction of Dr. James Metcalfe, Professor of Medicine.

Various Individuals

Gift of $442.08 from Mr. and Mrs. Dock Baker, La Grande, representing contributions to a trust fund in memory of their son, Bruce Baker. The gift is to be used for leukemia research under the direction of Dr. Robert Goldman, Associate Professor of Experimental Medicine.

Ward Cook, Incorporated

Gift of $5,000 from Ward Cook, Incorporated, Portland, "for the benefit of the Research Chemo-Therapy Fund at the University of Oregon Medical School," under the direction of Dr. William Fletcher, Associate Professor of Surgery.

Portland State University

Scholarships & Fellowships

Gifts totaling $5,589 from the following donors for scholarships and fellowships:

American Business Women's Association, Scintel of the West Chapter 4, Portland $ 300.00
The Bank of California, Portland 400.00
Blitz Weinhard Foundation, Portland 500.00
Mr. William Boone, Portland 200.00
Douglas County Tuberculosis and Health Association, Roseburg 600.00
<table>
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<th>Name</th>
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<tr>
<td>Encore Restaurant, Portland</td>
<td>$100.00</td>
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<tr>
<td>Equitable Savings and Loan Association, Portland</td>
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<td>Al C. Giusti Wine Company, Portland</td>
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<td>J. M. Harder Plumbing Company, Portland</td>
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<td>Kelley-Clarke Company, Portland</td>
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<td>Dr. Walton Manning, Portland</td>
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<td>Oregon Congress of Parents and Teachers, Inc., Portland</td>
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<td>Mel Osbeck's Restaurant &amp; Lounge, Portland</td>
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<td>Pac Mar Services, Inc., Portland</td>
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<td>Paragon Club, Portland</td>
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<tr>
<td>J. Warren Smith Scholarship Fund, Portland</td>
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<td>Carlo J. Sposito, Portland</td>
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<tr>
<td>Art Stearns Tires, Inc., Portland</td>
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<td>Thompson Metal Fab, Vancouver, Washington</td>
<td>100.00</td>
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<tr>
<td>Thunderbird Motel, Portland</td>
<td>100.00</td>
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<tr>
<td>Waddles Drive In Coffee Shop, Portland</td>
<td>100.00</td>
</tr>
<tr>
<td>Washington Association for Retarded Children, Longview, Washington</td>
<td>250.00</td>
</tr>
</tbody>
</table>

Committee on Data Analysis, Inc.  
Grant of $1,000 from the Committee on Data Analysis, Inc., Chicago, Illinois, "for the unrestricted use of the Investment Analysis Center," under the direction of Dr. Donald D. Parker, Dean, School of Business Administration.

Electro Scientific Industries, Inc.  
Gift of precision electrical measurement equipment for the Department of Applied Science, for use under the direction of Dr. Harry J. White, Head of the Department of Applied Science. The gift is valued at $26,095 and is from Electro Scientific Industries, Inc., Portland.

Evans Products Company Foundation  
Gift of $200 from Evans Products Company Foundation, Portland, for the unrestricted use of the School of Social Work, under the direction of Dr. Daniel E. Jennings, Acting Dean of the School of Social Work.

L. N. Goslin  
Gift of $100 from Mr. Lewis N. Goslin, Tigard, for the unrestricted use of the School of Business Administration, under the direction of Dr. Donald D. Parker, Dean of the School of Business Administration.

International Association of Official Human Rights Agencies, Portland  
Grant of $1,500 from the International Association of Official Human Rights Agencies, Portland, "to provide technical assistance services for a study to determine the feasibility for the Community Relations Service to commission a study of present and desirable relationships between state and local official human relations agencies," July 2, 1968, through June 30, 1969, under the direction of Dr. Lyndon R. Musolf, Director, Urban Studies Center.

National Quotation Bureau, Inc.  
Grant of $1,000 from the National Quotation Bureau, Inc., New York City, for the unrestricted use of the Investment Analysis Center, under the direction of Dr. Donald D. Parker, Dean of the School of Business Administration.
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Oregon Arts Commission</td>
<td>Grant of $6,400 from the Oregon Arts Commission, Salem, for the operation of the Oregon Art Camp at Tolavanna Park, Oregon, whereby culturally and economically deprived high school students participate in a twelve-day program with a curriculum involving areas of art, theater, music, and literature, July 14, 1969, through August 22, 1969, under the direction of Mr. Samuel D. McKinney, Activities Advisor. Portland State University students will participate as teacher assistants and observers.</td>
</tr>
<tr>
<td>Oregon Council on Economic Education</td>
<td>Gift of $700 from the Oregon Council on Economic Education, Portland, to replenish funds in the Economic Education Gifts account, under the direction of Mr. Hugh G. Lovell, Center for Economic Education.</td>
</tr>
<tr>
<td>Oregon State Program on Aging</td>
<td>Grant of $2,524.42 from the Oregon State Program on Aging, Eugene, for the project entitled, &quot;A Foundation Study for Geriatric Planning,&quot; July 1 through September 30, 1968, under the direction of Mr. Wesley Myllenbeck, Director of the Program.</td>
</tr>
<tr>
<td>Oregon TB &amp; Health Association</td>
<td>Grant of $434 from the Oregon Tuberculosis &amp; Health Association, Portland, for the 1969 Portland Summer Term Special Program, &quot;Seminar on Smoking and Health,&quot; June 16 through June 20, 1969, under the direction of Mr. Paul L. Reiling, Coordinator, Special Programs.</td>
</tr>
<tr>
<td>Pittsburgh Testing Laboratory</td>
<td>Gift of chemicals and glassware for research and instruction, valued at $1,522.60, for use in the Division of Science, under the direction of Dr. Karl Dittmer, Dean of the Division of Science.</td>
</tr>
<tr>
<td>The Portland Garden Club</td>
<td>Gift of $358 from the Portland Garden Club, Portland, for the 1969 Portland Summer Term Special Program, &quot;Seminar on Conservation of Natural Resources,&quot; August 3 through August 16, 1969, under the direction of Mr. Paul L. Reiling, Coordinator, Special Programs.</td>
</tr>
<tr>
<td>Science Research Associates</td>
<td>Gift of textbooks, valued at $236.21, for the collection in the education section of the library, for use under the direction of Dr. Jean P. Black, Librarian.</td>
</tr>
<tr>
<td>D. Snyder</td>
<td>Miscellaneous references and papers for Environmental Geology, valued at $300, from Mr. Del Snyder, Portland, for use in the Department of Earth Science, under the direction of Dr. John Eliot Allen, Head of the Department.</td>
</tr>
<tr>
<td>Oregon State Board of Education</td>
<td>Grant of $1,800 from the Oregon State Board of Education, Salem, to provide fellowship awards and indirect costs during the 1969 Summer Session, June 24 through September 6, 1969, under the direction of Dr. Robert H. English, Professor of Speech.</td>
</tr>
</tbody>
</table>
Grant of $450 from the Washington State Department of Education, Olympia, Washington, to provide a fellowship award and direct and indirect costs in connection with a 1969 Summer Session program, June 24 through September 6, 1969, under the direction of Dr. Keith Larson, Associate Professor of Education.

Reduction of $405 in the cost of equipment purchased from Tektronix, Incorporated, Tigard. The equipment is to be used under the direction of Dr. Mark Gurevitch, Head of the Department of Physics.

Grants totaling $680,025 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., for research, training programs, and other purposes, as follows:

1. $90,000 - "A Pilot Program to Retrain Teacher Educators To Bring About Improved Teaching of Disadvantaged Youth," December 6, 1968, through June 30, 1970, under the direction of Dr. David Willis, Professor of Education.

2. $29,600 - "Instructional Program in Speech and Hearing," June 1, 1969, through August 31, 1970, under the direction of Dr. Robert English, Professor of Speech.

3. $2,160 - "Research Scientist Development Award to support supplies and moving expenses from Flagstaff, Arizona, to Portland, Oregon," July 1, 1969, through June 30, 1970, under the direction of Dr. Jerrold E. Levy, Assistant Professor of Anthropology.


6. $194,990 - "Supplemental award for participation in the College Work-Study Program," July 1 through December 31, 1969, under the direction of Mr. Bonner Robinson, Assistant Financial Aids Officer.
7. $59,961 - Subgrant from the University of Oregon to support an Institute for Studies in Gerontology, July 1, 1969, through June 30, 1970, under the direction of Mr. Walter Klopfer, Assistant Director of the Institute.

8. $6,049 - To support a short term child welfare training program entitled, "Community Coordinated Child Care," June 17 through December 31, 1969, under the direction of Dr. Oscar Kurren, Project Director.

9. $20,000 - "Instructional Equipment Grants Program," June 18, 1969, through June 30, 1970, under the direction of Dr. Howard Boroughs, Dean of the Faculties.

10. $46,296 - "Continuing Education for Social Work in Mental Health Areas," July 1, 1969, through June 30, 1970, under the direction of Dr. Oscar Kurren, Associate Professor of Social Work.

11. $12,250 - "To provide funds for a foreign curriculum consultant who will (1) collaborate with the language staff of the Middle East Studies Center in research and development of an integrated syllabus for the teaching of Arabic to English speakers; (2) assist with the training and curriculum development of the Arabic language at Woodrow Wilson High School." August 1, 1969, through July 30, 1970, under the direction of Dr. Frederick Cox, Director, Middle East Studies Center.

12. $32,496 - "College Library Resources Program," to support the cost of books and library materials under Title II-A, Higher Education Act of 1965, P.L. 89-329, as amended, June 17, 1969, through June 30, 1970, under the direction of Mr. Frank Rodgers, Librarian.

Oregon College of Education

Lake County Intermediate Education Dist.

Grant of $1,300 from the Lake County Intermediate Education District, Lakeview, Oregon, to establish a workshop entitled, "Western Oregon Sights and Sounds," August 2 through August 9, 1969, under the direction of Mr. Kenneth Waldroff, Assistant Professor of Education.

Oregon State Department of Education

Grant of $8,400 from the Oregon State Department of Education to provide 14 summer session traineeships for teachers working with disadvantaged children, beginning June 18, 1969, under the direction of Mrs. Bettie B. Vanice, Assistant Professor of Education, and Dr. Donald H. Duncan, Professor of Education. This grant is provided from funds received by the State Department of Education under Public Law 85-926.

Oregon State Dept. of Education

Gift of $267 from the Oregon State Department of Education, Salem, for the purchase of library materials, under the direction of Mr. H. Dale Harp, Assistant Professor of Education.
Grants totaling $290,260 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., for research, training programs and other purposes, as follows:


3. $30,045 - "Training Program for Teacher Trainers in Special Education," May 18, 1969, through July 31, 1970, under the direction of Mr. Victor Baldwin, Assistant Research Professor.

4. $39,323 - "To provide educational research, development, and evaluation training for college and university staff who are participating in the Consortium Research Development Program (CORD)," May 1, 1969, through January 31, 1970, under the direction of Dr. Jack J. Crawford, Associate Research Professor.

5. $10,080 - "For the acquisition of higher education library materials," June 17, 1969, through June 30, 1970, under the direction of Mr. Clarence C. Gorchels, Director of the Library.

Southern Oregon College

Scholarships & Fellowships

Gifts totaling $640 from the following donors for scholarships and fellowships:

- Bellview School Parent-Teacher Association, Ashland $ 123.00
- Bureau of Indian Affairs, Crow Indian Agency, Montana 148.00
- U. S. National Bank of Oregon, Portland 369.00

Joy Estate

Bequest of $2,661.32 from the Joy Estate, Brookings, to be used for a student loan fund or a scholarship fund, under the direction of Dr. Terry Brown, Director of Financial Aids.

Rogue Valley Memorial Hospital Auxiliary

Grant of $1,500 from the Rogue Valley Memorial Hospital Auxiliary, Medford, to provide the Tuttle Nursing Loan, under the direction of Dr. Brown, Financial Aids Coordinator.

S & H Foundation

Grant of $1,500 from the S & H Foundation, Inc., New York City, for "a symposium designed for students, faculty, and community on the problems of our deteriorating environment," June 27, 1969, through June 30, 1970, under the direction of Mr. Frank Lang, Assistant Professor of Biology.
Grants totaling $67,135.66 from the U. S. Department of Health, Education and Welfare, Washington, D.C., for training programs, and other purposes, as follows:

1. $16,613 - "Institute for Training in Librarianship," January 30 through September 30, 1969, under the direction of Mrs. Eleanor S. Everett, Assistant Professor of Library Science.


3. $34,298 - "For operation of the College Work-Study Program," July 1 through December 31, 1969, under the direction of Dr. Brown.

4. $14,210 - "Epididymal Cholinesterases of the Rat," June 1, 1969, through May 31, 1970, under the direction of Mr. Chris N. Skrepetos, Assistant Professor of Biology.

Eastern Oregon College

Marion County Intermediate Education District

Grant of $17,250 from the Marion County Intermediate Education District, Salem, "to carry on a program in preparing teachers to fill positions in those areas in which there are critical teacher shortages," June 15, 1969, through June 30, 1970, under the direction of Dr. James E. Kearns, Head of the Education and Psychology Division.

J. L. and Margaret Ingle

Gift of equipment, valued at $3,000, from Dr. J. L. and Margaret Ingle, La Grande. The gift includes a mobile X-Ray unit and various surgical items from Dr. Ingle's office and will be used in the science laboratories and by the Student Health Service.

McClain Estate

Bequest of $31,930.70 from the estate of Mrs. Mabel E. McClain, through Mrs. W. J. Robert, Eugene. The gift will be used to purchase books for the library, under the direction of Mr. James W. Simmons, Director of the Library.

Oregon State Dept. of Education

Grant of $1,309 from the Oregon State Department of Education, Salem, to purchase library instructional materials as provided for Title II projects," March 10 through June 30, 1969, under the direction of Mr. William P. Wells, Principal of the Laboratory School.

U. S. Dept. of Health, Education & Welfare

Oregon Technical Institute

T. J. Orr
Gift of $100 from Mr. Thomas J. Orr, Klamath Falls, for the purchase of equipment for the computer center, under the direction of Mr. Paul Chitwood, Department Chairman, Electro-Mechanical Engineering Technology.

U. S. Dept. of Health, Education & Welfare
Grants totaling $65,957 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., for various purposes, as follows:

1. $7,291 - "Acquisition of higher education library materials," June 17, 1969, through June 30, 1970, under the direction of Mrs. Imogene Ralston, Librarian.

2. $18,433 - "College Work-Study Program," July 1 through December 31, 1969, under the direction of Mr. Lawrence Stevens, Director of Financial Aids.

3. $40,233 - "Allied Health Professions Educational Improvement Program," April 15, 1969, through April 14, 1971, under the direction of Mr. William L. Bradford, Jr., Chairman, Medical Technology.

Division of Continuing Education

Corrections Division
Grant of $845 from the Corrections Division, Salem, "to provide services of a program analyst to conduct special research and evaluation in the administration of Time II of the Correctional Systems Training Questionnaire, Correctional Training Systems Project," July 1 through August 31, 1969, under the direction of Mrs. Dora Prentiss, Coordinator, District 3.

Corporation for Public Broadcasting
Grant of $2,200 from the Corporation for Public Broadcasting, New York City, "to finance a series of six radio programs presented as an experiment in sound in an attempt to promulgate sound abatement. The title of the series is "Cacophony: Sounds of Life." The grant is effective June 1 through December 31, 1969, under the direction of Mr. Lester G. Mock, Director, Oregon Educational Broadcasting.

Oregon State Department of Education
Grant of $1,100 from the Oregon State Department of Education, Salem, "to provide field services to school systems in the area of driver education programs," July 1 through July 31, 1969, under the direction of Mr. Joseph Nelson.

Saidie Orr Dunbar Nursing Education Fund
Grant of $1,700 from the Saidie Orr Dunbar Nursing Education Fund, Portland, to finance the cost of a two-day workshop on the "Issues Involved in Oregon's Infant Mortality and Morbidity," July 1, 1969, through June 30, 1970, under the direction of Mrs. Garnet Ockerman, Coordinator.
Meeting #376-101

U. S. Dept. of Health, Education & Welfare

U. S. Dept. of the Army, Office of Civil Defense
Grant of $26,480 from the U. S. Department of the Army, Office of Civil Defense, Washington, D.C., "to furnish the necessary facilities, personnel, and such other services as may be required to plan and develop, in cooperation with officials of designated areas, approved Community Shelter Planning Projects," August 1, 1969, through July 31, 1970, under the direction of Mr. Monroe Miller, Project Director.

Adjournment & Reconvening Date
At 3:45 P.M., President Layman adjourned the meeting until October 2, 1969, on which date the Board will reconvene at 1:30 P.M., in Room 327 of the Michael J. Smith Memorial Center, Portland State University.