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

December 10, 1969

MEETING #379-1  A regular meeting of the State Board of Higher Education was held in Room 338, Michael J. Smith Memorial Center, Portland State University, Portland, Oregon.

ROLL CALL

The meeting was called to order at 9:00 A.M. Wednesday, December 10, 1969, by the President of the Board, Mr. George H. Layman, and on roll call the following answered present:

Mr. George H. Corey
Mr. Chas. R. Holloway, Jr.
Mr. Robert D. Holmes
Mrs. Elizabeth H. Johnson

Mr. Philip A. Joss
Mr. Ancil H. Payne
Mr. John W. Snider
Mr. George H. Layman

Absent: Mr. Ray T. Yasui was absent for business reasons.

OTHERS PRESENT

Centralized Activities—Chancellor R. E. Lieuallen; Secretary R. L. Collins; Mr. Freeman Holmer, Vice Chancellor for Administration; Mr. J. I. Hunderup, Vice Chancellor for Facilities Planning; Dr. Miles C. Romney, Vice Chancellor for Academic Affairs; Mr. H. A. Bork, Consultant; Mr. Ralph Steetle, Director of Program Coordination, Division of Continuing Education; 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. Raymond P. Underwood, Chief Counsel; Dr. George Diel, Director, Communications Development; Mr. Guy Lutz, Director, Office of Institutional Research.

Oregon State University—Acting President Roy A. Young; Mr. M. Popovich, Dean of Administration; Mr. G. M. Robertson, Director of Business Affairs; Mr. Fred Shideler, Director of University Relations and Assistant to the President; Dr. David B. Nicodemus, Dean of Faculty; Dr. David L. Willis, Associate Professor of Biology; Dr. Donald G. Humphrey, Professor of Biology.

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.

University of Oregon Dental School—Dean L. G. Terkla; Mr. Eugene W. Bauer, Assistant Dean for Business Affairs; Dr. William Wescott, Associate Dean for Administrative Affairs.
University of Oregon Medical School—Dean C. N. Holman; Mr. W. A. Zimmerman, Associate Dean for Business Affairs.

Portland State University—President Gregory B. Wolfe; Dr. James E. Weiss, Director, Center for Population Research and Census.

Oregon College of Education—President L. W. Rice; Dr. Ronald L. Chatham, Assistant to the President.

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

Eastern Oregon College—President A. M. Rempel; Dr. R. S. Perry, Dean of Administration.

Oregon Technical Institute—Mr. W. M. Douglass, Dean of Administration.

Others—Mr. Fred Segrest, Fiscal Analyst, Department of Finance; Mr. Gilbert Polanski, Field Representative, Oregon State Employees Association; Dr. John Minter, Director, Educational Coordinating Council; Mr. Richard Burke, Fiscal Analyst, Department of Finance; Dr. B. Hughel Wilkins, Professor of Economics at Oregon State University, representing the American Association of University of the American Association of University Professors Federation; Dr. David H. Dockham, Executive Assistant to the Mayor of the City of Portland.

Student Representatives—Mr. Bill Muir, Administrative Assistant, Associated Students, University of Oregon

MINUTES
APPROVED

The Board voted to dispense with the reading of the minutes of the last regular meeting held on October 27, 1969, and approved them as printed in the preliminary minutes previously issued.

(Considered by Building Committee, November 17, 1969.)

Report of Rejection of Bids & Revision of Plans for Administration Building Renovation, OCE

On October 27, when a report was made of the acceptance of the final plans for the proposed renovation of the Administration Building at Oregon College of Education, the Board was advised that the three bids received for the project on October 21 were being rejected since they were substantially higher than the budgeted allowance of $426,000. Exclusive of the alternate relating to the area chiller installation, which would serve the initial unit of the proposed fine arts complex as well as the Administration Building, these bids ranged from $36,400 to $556,500.

Following an analysis of the bids, Architects Annand, Boone, Drynan & Huffstutter and institutional officials have recommended that several major changes including the following be made in the plans and financial program in an effort to reduce the costs for the renovation work:

1. Omit the excavation of additional basement areas and alterations within other portions of the basement (except for the space to be assigned to the Publications Department which would be bid as an alternate).
2. Make repairs to the present wood sash, as necessary, in lieu of the replacement of all exterior windows with aluminum sash.

3. Allocate to the Classroom, Laboratory and Office Building (Fine Arts) the incremental cost of the area chiller installation over the cost of a separate cooling system for the Administration Building only. (This work would be bid as an alternate and would be subject to action by the State Emergency Board in releasing a portion of the funds appropriated for the fine arts unit.)

Provision would be made for several other bid alternates, including the deletion of remodeling of certain areas on the third floor, the omission of sidewalk and stair modifications, etc., in order to assure reasonably the receipt of bids within the amount available.

With the concurrence of the Chancellor, President Rice recommended that the appropriate Board officials be authorized to approve the revised plans and specifications for the Administration Building Renovation at Oregon College of Education, solicit bids, award contracts, approve a project budget within the statutory expenditure limitation of $555,000, and seek authorization from the State Emergency Board to expend approximately $55,000 from the appropriation for the Classroom, Laboratory and Office Building (Fine Arts) for the incremental cost of an area chilling system, if necessary.

RECAPITULATION UPON REJECTION OF BIDS AND REVISION OF PLANS

Project - OCE Administration Building Renovation

Architects - Annand, Boone, Drynan & Huffstutter, Portland

Legislative authorization - Chapter 664, Oregon Laws 1969

Board's priority - No. 4 in 1969-1971 (Educational and General Plant)

Approximate gross area - 30,033 square feet

Estimated total project cost $555,000

Estimated direct construction costs:
  Total
  Average (per square foot) - $14.18

$426,000

Tentative schedule:
  Rebidding - January 1970
  Completion - August 1970

Tentative financing plan:
  State funds (General Fund appropriation and/or Article XI-G bond borrowings) $555,000
The Building Committee recommended that the Board approve the recommendations as presented.

In response to a question during the Board discussion, Mr. Hunderup indicated that the cost of changing mechanical installation made it impractical to excavate the entire basement area under the building and that more than half of the basement area is currently in use.

The Board approved the recommendations as presented.

Upon the recommendation of Oregon College of Education officials and Engineers Morrison, Funatake & Associates, Inc., the work performed by the construction contractor for the Heating Plant Improvements was accepted as of October 10, 1969, subject to the completion of a few minor items. A revised semifinal budget for the project is shown below in comparison to the budget reported to the Board on September 9-10, 1968:

<table>
<thead>
<tr>
<th>Project Costs</th>
<th>Revised Budget 10/10/69</th>
<th>Original Budget 9/9-10/68</th>
<th>Increase or Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction cost - Willis</td>
<td>$37,404</td>
<td>$36,600</td>
<td>$804 (1)</td>
</tr>
<tr>
<td>Mechanical Contractor, Inc., Eugene</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional services fees</td>
<td>1,870</td>
<td>1,830</td>
<td>40</td>
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<tr>
<td>Construction supervision and</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>miscellaneous costs</td>
<td>2,726</td>
<td>2,472</td>
<td>254</td>
</tr>
<tr>
<td>Contingencies</td>
<td>-</td>
<td>1,098</td>
<td>(1,098)</td>
</tr>
<tr>
<td>Total Project Costs</td>
<td>$42,000</td>
<td>$42,000</td>
<td>$ -</td>
</tr>
</tbody>
</table>

(1) Includes costs of extending boiler pads to fit the new boiler, modifications to oil pipe and motors on oil pump, and other minor items incorporated within three approved change orders.

Plans and specifications for the Central Heating Plant Improvements were prepared by Engineers Morrison, Funatake & Associates, Inc., (formerly identified as W. Bruce Morrison & Associates, Inc.), Portland. The project included the furnishing and installation of a new 600 HP boiler, equipped with a combination gas and oil burner, to increase the total capacity of the central heating plant at Oregon College of Education from 37,000 to approximately 57,000 pounds of steam per hour.

Of the total budget requirements of $42,000, $22,000 was provided from the General Fund appropriation in Chapter 404, Oregon Laws 1967, and the remaining $20,000 was financed from self-liquidating bond borrowings under the provisions of Article XI-F(1) of the Oregon Constitution and auxiliary enterprises balances.
RECAPITULATION AT INSPECTION AND ACCEPTANCE

Project - OCE Central Heating Plant Improvements

Engineers - Morrison, Funatake & Associates, Inc., Portland

Legislative authorization - Chapter 404, Oregon Laws 1967

Board's priority - No. 9 in 1967-1969

Total project costs. $ 42,000

Direct construction costs $ 37,404

Financing-plan:
General Fund appropriation in Chapter 404, Oregon Laws 1967 $ 22,000
Bond borrowings under Article XI-F(1) of the Oregon Constitution and balances from auxiliary enterprise operations 20,000
Total $ 42,000

The Board accepted the report as presented.

(Considered by building Committee, November 17, 1969.)

Officials of Southern Oregon College and Architects Campbell-Yost & Partners have filed with the Board’s Office the completed design development phase of planning of the proposed Classroom Building (Education). This facility was assigned Priority No. 20 in the Board’s listing of educational and general plant projects for 1969-1971 and following its review, the 1969 Legislature authorized the approval of either the Classroom Building (Music) or Classroom Building (Education) at Southern Oregon College within an expenditure limitation of $1,735,000. Since the music facility had had a higher priority (Priority No. 7), the Board reaffirmed the earlier ranking and final planning is now being completed for the Classroom Building (Music) so that the construction thereof can be undertaken during this biennium.

Generally, the plan for the education facility conforms to the schematic design which was reviewed and approved by the Board on March 10, 1969; but a few minor modifications have been made as a result of further study and planning:

1. The gross area of the building has increased from 46,098 square feet to 46,534 square feet.

2. The rearrangement of interior spaces within the reading and hearing centers has permitted more efficient use of the lower level.
3. The tri-plex general classroom has been modified into a large lecture area with a movable partition to create two group-instruction classrooms. The upper level, which would be a balcony classroom when the partition is closed, would have fixed seating for about 70 persons. The lower area would have movable seats providing about 60 student stations.

The architects have confirmed their budget estimates, which had been based upon the price expected to prevail in mid-1970, reflecting direct construction costs of approximately $1,344,330 and total project costs of $1,735,000. For the gross area of approximately 46,534 square feet, these direct construction costs would average about $28.89 per square foot. Adjustments will be required when the capital outlay program for 1971-1973 is formulated.

As noted during the presentation of the schematic design, the proposed facility for education-psychology would be sited at the western edge of the campus, south of Siskiyou Boulevard, on the northeast corner of Mountain Avenue and Henry Street, extended. The Building would feature reinforced concrete and brick bearing walls. The portion east of the main entrance and circulation hall would have three floor levels. The top two levels would contain the administrative offices for the education and psychology divisions and the counseling center. The lower level would contain the reading and speech and hearing centers. The larger portion of the building west of the circulation core would have two floor levels. The top level would contain the classroom and laboratory areas for the combined use of the education and psychology divisions as well as the special laboratory and work areas for the psychology division. The lower level would provide the model classrooms, an early childhood education laboratory and a laboratory production center.

Exterior exposed concrete generally would be color-controlled and sand-blasted clean. Brick would be of standard color and texture similar to that selected for other campus buildings. Chilled water and steam would be supplied from the campus central heating and cooling system and the entire building would be air conditioned.

It is anticipated that approximately 265 classroom and laboratory student stations and 35 office stations would be provided within the facility.

With the concurrence of the Chancellor, President Sours recommended that the design development phase of planning for the Classroom Building (Education) be approved. Furthermore, it was recommended that the appropriate Board officials be authorized to instruct the architects to complete the construction documents phase of planning so that construction may be undertaken promptly if legislative authorization is obtained in 1971.

Since a major portion of the funds required for the preliminary planning (basic design and design development phases) are being provided by the federal government as an interest-free advance
of $22,500, it was recommended that the following resolution be approved by roll call vote:

RESOLUTION APPROVING THE COMPLETED PRELIMINARY PLANNING REPORT WITH AN ADVANCE FROM THE UNITED STATES OF AMERICA FOR THE CLASS-ROOM BUILDING (EDUCATION), SOUTHERN OREGON COLLEGE, UNDER THE TERMS OF PUBLIC LAW 560, 83rd CONGRESS OF THE UNITED STATES, AS AMENDED

WHEREAS, the Oregon State Board of Higher Education on behalf of Southern Oregon College accepted an offer from the United States Government for an advance for preliminary plan preparation of a public work described as Classroom Building (Education), Southern Oregon College, Ashland, Oregon; and

WHEREAS, Campbell-Yost & Partners, AIA, Architects & Planners, were engaged to prepare a preliminary planning report for the aforesaid public work, and said architects have completed the report and submitted it for approval; and

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

NOW, THEREFORE, BE IT RESOLVED by the Oregon State Board of Higher Education, the governing body of said applicant, that the planning report submitted by Campbell-Yost & Partners as the basis for detailed planning and construction of the Classroom Building (Education), Southern Oregon College, in connection with the Department of Housing and Urban Development Project No. P-Ore-3368 be and the same is hereby approved; and that certified copies of this resolution be filed with the Department of Housing and Urban Development as a part of the preliminary planning report.

RECAPITULATION UPON COMPLETION OF DESIGN DEVELOPMENT

Project - SOC Classroom Building (Education)

Architects - Campbell-Yost & Partners, Portland

Legislative authorization - To be requested from 1971 Legislature

Board's priority - No. 20 in 1969-1971 (Educational and General Plant)

Approximate gross area - 46,534 square feet

Estimated total project costs $1,735,000
Estimated direct construction costs
Total $1,344,330
Average (per square foot) - $28.89

Tentative schedule:
Bidding - June 1971
Completion - December 1972

Tentative financing plan:
State funds (General Fund appropriation or Article XI-G bond borrowings) or offsets $1,735,000

In response to a question during the Committee discussion, it was indicated that future horizontal expansion of the building was possible by the addition of a section for faculty offices, probably on the east end of the building. In addition, either education or psychology could be moved from this building into other facilities and the remaining department could then expand into the vacated space.

During the discussion, it was indicated that there would be two model classrooms in the building, one for elementary education and one for secondary education and that these are designed to permit videotape recordings to be made of the classroom activities and used elsewhere for instructional purposes. It was explained that these model classrooms differ from a laboratory school situation in which the students are regularly scheduled with a particular group. The model classrooms would serve as a laboratory for education students with different groups of pupils to be used on different occasions for various presentations and activities.

It would be possible to have greater flexibility of program and opportunity for innovation in the model classroom than would be possible in the regular elementary and secondary school classrooms.

The Building Committee recommended that the Board approve the recommendations as presented and adopt the resolution on roll call vote.

In response to a question during the Board discussion, it was indicated that the planning costs for buildings not yet authorized by legislative appropriation are provided from the Board's reserve for architectural and engineering planning. When the legislative authorization for the building is received, the planning funds available in the appropriation are requested in order to reimburse the reserve for the architectural and engineering planning costs.

Mrs. Johnson expressed some concern with the appearance of the building and urged that careful consideration be given to the aesthetic effect of the building, particularly since the College is a major part of the community of Ashland. Mr. Hunderup responded that Mr. Louis DeMonte had been commissioned to assist Southern Oregon College in planning for the campus and that the architects for the Education Building and those for the College Union and Music Buildings were working together on color selection and finish for all three buildings so that they would be aesthetically pleasing.
Upon motion by Mr. Joss, the Board approved the recommendations as presented and the above resolution was adopted on roll call vote with the following voting in favor of adoption: Directors Corey, Holmes, Johnson, Joss, Payne, Snider, and Layman.

Those voting no: None.

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

Report of Purchase of Barksdale Property, SOC

At the July 21, 1969, meeting, the Board authorized condemnation, if necessary, of the Barksdale property located at 463 Palm Avenue, Ashland. Further negotiations with the property owners resulted in the obtaining of an option at $30,000 in line with Board appraisals. This option has been accepted on behalf of the Board. Funds for the acquisition will be provided from those appropriated by the 1969 Legislature for the site acquisition and construction of the Classroom Building (Music) at Southern Oregon College.

The Board accepted the report as presented.

Report of Acquisition of Leasehold Interest of Mobil Oil Company, SOC

At the March 12, 1969, meeting, the Board authorized the purchase of the leasehold rights of Mobil Oil Company in the Board-owned service station at 1305 Siskiyou Boulevard, Ashland, resorting to condemnation if necessary. Inasmuch as the Board's Office and the oil company could not agree as to the fair market value of the interest, condemnation action was instituted. Pursuant to negotiations between the attorney assigned to the case by the Attorney General and the oil company attorneys, a compromise settlement in the amount of $8,000 was reached shortly before the scheduled trial, and appropriate report was made to the Executive Committee. Accordingly, the condemnation action was dropped ad the leasehold rights were terminated by a court action.

The property was needed as part of the site for the construction of the Greensprings Dormitory complex and funds were provided as part of the project cost.

The Board accepted the report as presented.

Report of Purchase of Masterton Property, EOC

Pursuant to Board policy adopted October 22, 1968, the Vice Chancellor for Administration has accepted the option of Mr. and Mrs. Lester A. Masterton for real property located within the approved projected campus boundaries at 507 Seventh Street, La Grande. The property consists of a lot containing approximately 6,600 square feet and is improved with a single family residence. The option price of $7,132 is in line with appraisals obtained by the institution. The property is located in an area designated for physical education, and funds to finance the acquisition are to be provided from the General Fund appropriation authorized in Chapter 404, Oregon Laws 1967.

The Board accepted the report as presented.
Hot Water Well Repairs, OTI

President Purvine reports that emergency repairs costing $10,895 were required for hot water wells and pumps during the early months of fiscal year 1969-70 and that the institution cannot absorb the unanticipated costs. It was proposed that the amount of $10,895 be provided from the Board's Unappropriated Fund on a non-recurring basis. Detailed statements of repair costs are available in the Board's Office.

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

The Board approved the recommendation as presented.

Ph.D. in History of Science, OSU

Oregon State University requests authorization to offer a program of study leading to the Ph.D. degree in history of science. The program would be offered through the Department of General Science of the School of Science.

The complete statement of the Oregon State University request and the analysis of the request by the Board's Office of Academic Affairs are presented in the document, Request of Oregon State University for Authorization To Offer Programs Leading to the Ph.D. Degree in History of Science, prepared for the Board's Committee on Academic Affairs for its November 17, 1969, meeting. The document referred to is bound in a separate volume and is considered an integral part of these minutes.

Description of Program

The proposed program would consist of 35 to 55 hours of course work, plus dissertation, in history of science, and approximately 50 hours of minor course work, usually in a science area appropriate to the candidate's research interests. In addition to developing competence in the history of science, each candidate would be expected to present evidence of fundamental knowledge in at least one scientific or technical field bearing on his dissertation problem and in philosophy of science. Candidates would be admitted to the program on the basis of a baccalaureate degree in one of the sciences, history of science, history, or philosophy. A candidate with strong baccalaureate preparation in science would be able to complete the Ph.D. program in three to four years of full-time study.

The proposed program would concentrate on areas in which Oregon State University has library and faculty strength, that is, science of the seventeenth, eighteenth, nineteenth, and twentieth centuries.
Purpose of the Program

The program would propose to prepare graduates for careers at the university level in research and teaching in history of science and related areas of intellectual and cultural history or as curators in museums and libraries. Because of the science minor requirements, graduates would also be qualified to teach introductory and intermediate-level college course work in a specific science.

Present Programs in Department of General Science

The department of general science at Oregon State University offers graduate programs leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees. The programs are interdisciplinary in nature and emphasize breadth of understanding within the major areas. At the present time major curricula in biological science, physical science, radiation biology, and radiological physics are offered at both master's and doctoral levels and programs in history of science and radiological health are offered at the master's level. Programs in biophysics and biochemistry developed in the department of general science were transferred to a new department of biochemistry and biophysics in 1967-68. General science programs in biological and physical sciences are for the preparation of college-level teachers. The programs in radiation biology, radiological health, and radiological physics are offered in conjunction with the University's radiation center and X-ray science laboratory and prepare for teaching or research. A special terminal program leading to the Master of Science degree is offered for the preparation of high school science teachers.

The Master of Science degree program in history of science has been offered by the department since 1965-66.

Resources

Course Work. At the time the Master of Science program was authorized, Oregon State University offered 12 hours of graduate-level course work in history of science. With the inauguration of the Master of Science program, this offering was strengthened to 30 hours, plus seminar and thesis. Oregon State University expects to request authorization for an additional 33 hours of course work to implement the Ph.D. program.

Library. In 1965, Oregon State University stated that its library was adequate for research work in nineteenth century science and, further, that over $1,000 of library funds per year had been committed to the strengthening of resources in history of science. Oregon State University now states its library has been developed to a point that it can support advanced course work in the seventeenth through twentieth centuries. The library is still considered deficient in some materials needed to support doctoral research particularly in regard to completing certain key journal holdings. Oregon State University estimates that funding at approximately $5,000 per year for a three-year period will permit the acquisition of the most important items not now available. The School of Science has committed itself to this support from
its annual library allocation contingent on approval of the proposed Ph.D. program by the Board.

Staff. The present staff in history of science consists of four persons. Dr. J. B. Spencer, the first professional historian of science at Oregon State University, joined the staff in 1963; Dr. R. J. Morris, in 1965; and Dr. Margaret Osler in 1968. All three hold the Ph.D. degree in history of science. The fourth member of the staff is Dr. Donald G. Humphrey, who holds a Ph.D. in zoology. During 1967-68, Dr. Humphrey was on sabbatical leave at Harvard University where he studied history and philosophy of science on a National Science Foundation faculty fellowship. Oregon State University states that the existing staff has been developed in anticipation of a request for authorization to move into doctoral work and is adequate to offer the program requested. The additional staff time needed to supervise doctoral candidates will be obtained by employing some of the candidates as readers and tutors in the basic history of science course.

Physical Plant and Equipment. The history of science program would require no specialized physical facilities.

Anticipated enrollment

Oregon State University estimates that if the program is approved, it will have an initial enrollment of possibly six or seven. Oregon State University anticipates that after the program becomes fully operative, approximately 15 students will be working toward this degree at any one time.

Board's Office Discussion

We summarize here several key considerations relating to the Oregon State University request preparatory to presenting the recommendations of the Board's Office for committee action.

1. OSU emphasizes that it has been building since 1965-66 toward offering a Ph.D. program in history of science.

   Some of the strengthening of the work in history of science at Oregon State University was a natural development resulting from the authorization given Oregon State University in 1965-66 to offer a master's degree program in this field.

   But a more important factor in the build-up of Oregon State's impetus toward a Ph.D. program in history of science has stemmed from a meaning that Oregon State University attached to the Board's authorization of the master's program - a meaning not intended by the Board or Board's Office.

   Oregon State University - particularly the Department of General Science - took the master's degree authorization as a signal that the Board acquiesced in the department's aspirations for a Ph.D. program in the history of science.
For, apparently, in all of the discussion internally at Oregon State University relating to the request for authorization of a master's degree, the department of general science sought to make it clear to the Oregon State University curriculum committee, the faculty senate, the graduate council and other faculty and administrative agencies, that in requesting authorization of the master's program it was announcing its intention to move as rapidly as possible toward building toward a Ph.D. program in that field.

However, when the Oregon State University request for authorization to offer the master's degree in the history of science was transmitted to the Board's Office no mention whatever was made of any Oregon State University aspirations or intentions to build toward a Ph.D. program in the history of science. It was a request for a master's degree authorization and nothing more. Board approval of the request was, therefore, not to be taken as implied approval of the department's aspirations for a Ph.D. program.

2. Oregon State University asserts that faculty additions to history of science made since 1965-66 have been made with departmental assurance to new faculty that Oregon State University was building toward a Ph.D. program in history of science of which the master's program was but the first step.

3. Oregon State University asserts that it is already "tooled up" for offering the requested Ph.D. program. The staff already employed is adequate to the needs of the Ph.D. program, Oregon State University asserts. The four faculty members (3.0 FTE in history of science) are sufficient to the needs of both the master's and the proposed doctoral program, according to Oregon State University. Oregon State University asserts that the only real difference between staff load now and that which would result were the Ph.D. program approved, is the supervision of Ph.D. dissertations (which ought not to be underestimated as a load factor).

But as an offset to the added load represented by the supervision of Ph.D. dissertations, Oregon State University expects that the Ph.D. candidates will, as holders of fellowships, assist faculty in some of their undergraduate responsibilities. Financial support for the fellowships will be sought from federal funds which Oregon State University believes to be available if the proposed Ph.D. program is approved.

The course additions requested are more apparent than real, Oregon State University avers, because much of the work requested in support of the proposed program is now being offered in GS 521, 522, 523, Topics in the History of Science.
As we understand Oregon State University's assumptions, it would appear that the principal additional support required in order to offer the Ph.D. program would be that needed to augment the library's holdings—a sum estimated at $15,000, to be expended over a three-year period by the School of Science.

But one should not overlook the long-term library implications of the approval of new Ph.D. programs. Apart from the immediate augmentation of library holdings required to provide the minimal holdings for getting the program under way, there are long-term library support obligations implied. For the authorization of new Ph.D. programs raises faculty expectations as to library support that a master's program alone does not. One of the continuing plaints of librarians is that new doctoral programs are sometimes authorized with no real assessment of the nature of the demands that faculty in the new program will make upon the library to support their particular research interests.

4. Oregon State University urges that failure to approve the requested Ph.D. program in history of science could have serious adverse effects upon the quality of history of science courses presently being offered. This would result, Oregon State University feels, from their inability to hold at Oregon State University the present history of science faculty, and the inability to replace them with faculty of equal competence. The present faculty were attracted to Oregon State University in part by the challenge and promise of participating in the establishment and development of a Ph.D. program in their major field of interest. If that opportunity is now foreclosed, Oregon State University anticipates that these faculty members will be attracted to institutions which will give fuller play to their interests. Oregon State University feels that others of comparable competence are unlikely to wish to come to an institution which offers no hope of doctoral work.

If the foregoing are essentially the case for approval of the proposed program, what are the questions that may be raised concerning the program? They may be summarized as follows:

1. Is there a real need for the State of Oregon to produce persons holding the doctorate in history of science? There is no apparent urgent need either for the purpose of meeting national need or state need.

Although it is true that the graduates of the some 15 existing Ph.D. programs in history of science are reported to have no trouble finding suitable positions, there is no evidence that there is a shortage of programs offering preparation at the doctoral level. None of the existing programs reported large numbers of qualified persons seeking admission to the program.
The supply and demand situation in Oregon for persons qualified in history of science is not critical in any sense.

2. Does Oregon State University have now, or would they propose to seek authorization in the future for graduate programs in history and philosophy in support of the proposed doctoral program in history of science? Some institutions consider that it is difficult if not impossible to consider adequately the development of science apart from broader cultural trends, and that the resources of graduate history and philosophy programs are desirable adjuncts in support of a history of science program.

The Oregon State University department of general science counters that their proposed program is unique in that it is a program designed for persons who have a substantive background in science and who are more scientists than historians, that nothing more than upper-division history and philosophy is needed in support of doctoral work in history of science.

The Board's Office is concerned about this question because it appears from Oregon State University's written request for authorization of the Ph.D. program in history of science that it might well be that the program, if authorized, would result in a subsequent request from Oregon State University to be authorized graduate work in history and philosophy in support of their Ph.D. program in history of science. For instance, in their request (p. 21) they state that: "This program will prepare graduates for careers at the university level in research and teaching in history of science and in areas of intellectual and cultural history." We wonder how they would propose to prepare people qualified in intellectual and cultural history without the kind of support that graduate programs in history and philosophy might provide. Further, they say on the same page (p. 21) with respect to preparation of students to be admitted to the program: "A variety of undergraduate backgrounds may adequately prepare a student for graduate study in the History of Science program. A satisfactory Bachelor's Degree with a major in one of the sciences, mathematics, history of science, history, or philosophy may admit a candidate to the program."

A broad gauge program in history of science, based in a graduate history department might very well offer doctoral programs for persons with majors in science or in history or in philosophy, but one wonders how Oregon State University's program, which is said to be based heavily upon science, could serve students with a baccalaureate major in history, history of science, or philosophy unless Oregon State University has in mind developing a broad gauge program in history of science with one of its bases in the history department.
Our discussion of these points with personnel from the department of general science has led to their giving us assurance both orally and in writing that they would see no need for asking, now or in the future, for authorization of graduate work in history or philosophy in support of the proposed program in history of science, and that they would not make such a request. The most recent such written assurance is contained in a letter dated August 28, 1969, in which it is said that "... we wish to re-emphasize that neither the proposed program nor any foreseeable development of it is dependent in any way upon additional courses being authorized for Oregon State University in the fields of history, philosophy, or any other field." We believe the members of the department are completely candid in these assurances. We are not entirely sure that their sentiments are shared by others at Oregon State University.

It should be noted here that a sub-committee of the School of Science graduate committee sought an evaluation of the proposed OSU program in history of science from a faculty member at each of four institutions offering doctoral programs in history of science (Cornell University, John Hopkins University, University of Wisconsin, and Yale University). Responses from the latter two institutions were received. The professor from Yale University saw as strengths of the proposed program: (1) the emphasis on scientific competence in the field whose history is being studied (Oregon State University would require the equivalent of a master's degree in the science in which the student's major interest lies), (2) the limitation of research areas to post-Newtonian science, (3) the adequacy of the staff. He reported that he felt that the assumption that a student would complete the program in three years was not realistic, that four years would be more so. He also raised question concerning the adequacy of the library resources and stated that he would "emphatically support the remark... that the University should be prepared to make a serious financial commitment for additional library resources." He concluded by observing that he thought Oregon State University's proposal "a fine proposal, well worthy of full support."

The chairman of the department of the history of science at the University of Wisconsin indicated that "the organization, focus, emphasis, and direction which is indicated in the document which I received in my opinion is a very sound one." Among the questions he raised concerning the program were these: (1) is Oregon State University's assessment of the library resources sound? (2) How can candidacy to such a program as Oregon State University proposed be open to persons with a baccalaureate degree in history of science, history or philosophy? (3) Is it reasonable to believe that students could complete a doctoral program in this field in three years? He concluded his letter with the observation that "The proposed program is unique, and attractive, and basically well conceived."
3. Are the library implications of the proposed program adequately foreseen?

Although Oregon State University has sought to reduce its library requirements by limiting the proposed program to the 17th through 20th centuries (the period of its present faculty's greatest competence), the head of the history of science program at the University of Wisconsin observed that for these periods "there are fewer good secondary works, less sound scholarship and many more inherent difficulties than for the earlier periods. The guidelines for work in these periods have simply not been worked out in any detail as yet. Contrary to general opinion, we now know more about and have much better history of science sources, primary and secondary, for antiquity, medieval science and early modern science, than we do for, say, physics since 1800. The library requirements for doing original research for the latter also are vastly greater than for the history of science in antiquity, for example. I therefore would question the statement on page 3 (OSU's statement) that 'present library resources are adequate to support advanced graduate history of science courses covering this period,' if, as it seems, it is implied that Oregon State does not have the library facilities to support history of science in the earlier period . . . To say again, on page 4, that 'there are few restrictions on possible dissertation topics for any period after the mid-1800's' seems to me to be sizing up backwards the whole problem of library requirements in terms of areas of research."

Oregon State University asserts that the foregoing comment was made on the basis of an incomplete list of Oregon State University's library holdings (that would support a Ph.D. history of science program) and that a number of these criticisms of the library had already been met, or have been, since the above statement evaluation was made. The $15,000 which Oregon State University would propose to spend in the next three years for microfilms, reprints, and back issues of current journal holdings in support of the proposed Ph.D. program would provide, they urge, a useful addition to the total science holdings. Such acquisitions, they insist, ought not to be thought of as drawing off library funds from other undergraduate and graduate programs already authorized Oregon State University, but as a desirable supplementation of the materials supporting these other programs, particularly in the science field.

Despite this assurance, it is the view of the Board's Office that there is a long-term commitment to library support of faculty research implied in the approval of a doctoral program that is not implied in the authorization of their present master's degree program.
4. What would the approval of the proposed Ph.D. program add to Oregon State University's capacity for service in the area of history of science?

One of the factors important in Oregon State University's continuing interest in being able to offer work in history of science has been the feeling that as an institution heavily based on science and technology, Oregon State University ought to offer to its students - particularly its students in science and technology, but to others as well - access to the broadening experience that contact with the history of science is capable of providing. With this objective the Board has found no fault, in witness whereof it has authorized Oregon State University to offer an array of history of science courses for students who wish them as background or minor work, as well as for those who wish to earn a master's degree in history of science.

As a consequence, Oregon State University has the courses in history of science requisite to serving the needs of the following four kinds of students: (a) baccalaureate students majoring in general science who are required to earn six term credits in history of science, and three in philosophy of science, (b) master of science students in general science whose major is history of science, (c) doctoral students in general science who may elect history of science as a minor field in their doctoral program, and (d) other students - graduate and undergraduate - in other schools and departments at Oregon State University who desire work in the history of science as a part of their general education or in support of a major program in some other field.

Presumably, the service function of history of science is being met by courses presently being offered, or which could be authorized, if more were needed. What, then, is the extent of the extra increment of service which authorization of the proposed Ph.D. program would permit Oregon State University to offer?

In terms of numbers of students who would be served, the increment would be small, if one can judge from the numbers of history of science students in long-established programs in other well-known institutions. The Board's Office raised this question with the general science department and they responded that:

The additional benefits to Oregon State University and the State of Oregon (if a Ph.D. program authorization is added to the authorization in history of science which Oregon State University already has) are admittedly not great. They consist in serving better, but in much the same way, the students now being served, plus preparing some students for careers as professional historians of science. This perhaps small increment is the case largely because the benefits are already now being reaped in
advance pending the decision of the Oregon State Board of Higher Education. This is to say that the historians of science now on the faculty have been chosen not only to provide the present services but also to stand as a balanced, congenial group capable of offering a strong Ph.D. program. They have been recruited, they have come to Oregon State University, and they have remained here with both of these features of their employment very much in mind.

If the Ph.D. program were not to be authorized, it is almost inconceivable that the present history of science group will remain intact and equally unlikely that recruitment subsequent to such denial will be able to assemble and retain a comparable group.

Recommended Committee Action

The Board's Office recommended that the Committee on Academic Affairs commend to Oregon State University the continued effective use of the history of science resources in the department of general science as a part of the Ph.D. programs presently authorized in the general science department, and that it not authorize a new Ph.D. program in the history of science.

Under present authorizations, Oregon State University offers Ph.D. programs in four fields in the general science department: physical science, biological science, radiation biology, and radiological physics. The first two of these fields emphasize breadth of subject matter necessary in the preparation of undergraduate college teachers rather than depth which is necessary in preparation of teachers at the advanced graduate level or for researchers. Degree requirements call for subject preparation in three major areas within physical science or if the student's major field is biological science within the biological sciences. But in either physical science or biological science programs history of science may be one of these three fields, and the student may write his dissertation in the history of science if his doctoral advisory committee approves.

Employment opportunities for graduates of the foregoing programs are most numerous in the science departments seeking staff for their lower-division and general education course offerings. With a dissertation in history of science and with history of science as one of his three subject matter areas in the doctoral program, the Ph.D. graduate in physical science or biological science is in a position to represent himself as a college teacher of science (in his field of science concentration) who can also teach the history of science courses that are found in fairly limited number in most institutions, or as a history of science teacher who can also handle instruction in science.
It is the view of the Board's Office that history of science is much more likely to remain an activity of Oregon State University's department of general science if the history of science staff works within the department's established degree programs for the preparation of science teachers than if it has a degree program of its own. For it is less likely under this arrangement to develop a future history of science staff and student body who come to believe that the history of science program is not compatible with the work of the general science department and hence must have support from major graduate programs in history and philosophy.

Committee Discussion

During the committee discussion, which is reported in detail in the document, Minutes of the Meeting of the Committee on academic Affairs, November 17, 1969, the following observations were made by representatives of Oregon State University:

1. The statement in Oregon State University's presentation concerning the preparation of persons who could teach at the university level in areas of intellectual and cultural history was meant to emphasize the importance of science as an area of the intellectual and cultural history of man during the last 300 years. It was not meant, they said, to imply that Oregon State University intends a major development in graduate history and philosophy as a necessary support for the presently proposed program.

2. Students admitted with a baccalaureate background in history or philosophy would have considerable undergraduate and graduate work in a science area to make up before they could be awarded Ph.D. degrees in history of science. Obviously these students would not be able to complete the program in three years.

3. The proposed Ph.D. degree program in history of science would be an option in general science paralleling present options in biological science, physical science, radiation biology, and radiological physics. As such, it would provide fullest utilization of the department's resources. The proposed program goes one step further than the Board's Office recommendation in that students wishing to become professional historians of science would be able to major in history of science rather than spreading course work fairly equally over three areas.

4. Except for filling in a few items, Oregon State University's library is "already nicely geared" to the proposed program.

5. The program will have a "leavening" effect on the academic life of the institution that will be much more significant than the admittedly small number of graduates it will produce.
6. The investment for the proposed program has already been made.

7. The program will provide excellent teaching assistants for the department's lower division service courses, primarily general biology, in which the enrollments are very large.

8. The program identification as a Ph.D. in history of science is necessary to obtain federal fellowship funds.

9. Oregon State University recognizes that it is awkward to come to the committee requesting approval of what is substantially an accomplished fact.

10. The department of general science has been very successful in attracting National Science Foundation fellowship funds and believes the proposed program will be attractive to the foundation.

Chancellor Lieuallen observed that there are two ways in which the institutions obtain new programs -- one is by assuring the Board that the program can be undertaken without a new fiscal infusion. The other is to request from the legislature appropriation of funds needed to launch the program. Institutions tend to formulate their requests in terms of funding from within the going level simply because the record of obtaining additional fiscal support for new programs has not been good.

Chancellor Lieuallen said cost accounting in the State System is not sufficiently sophisticated that an institution could say with complete confidence that a new program could be undertaken without some negative impact on other programs in the institution. He said he himself assumed that if a new program caused people in a department to do new things, that the amount of educational service to other programs and students was affected. He said he felt it was necessary to face realistically the impact of this (history of science) program on other programs because legislators have imposed limitations on graduate growth. He said that if, during the period of this limitation, the State System adds new Ph.D. programs, he would need to be equipped to respond effectively at the legislative level as to the impact of the new programs on undergraduate instruction.

Dean Nicodemus responded that while the department is requesting the addition of 33 hours of course work, it would not expect to implement these unless resources were available through the institution's normal budgeting process. Dr. Humphrey added that the department has already gone through a growth period and is adequately staffed to add the new program. He said a number of the courses requested had already been taught on an "x" (temporary approval) basis or under General Science 521 522 and 523, Topics in the History of Science.

Dr. Lieuallen expressed again the feeling that one of the results of new Ph.D. programs being absorbed within the going level of the institutions is that institutions tend to fund new programs out of growth
and thus their resources become spread more thinly than if the actual
cost of new programs were identified and a special increment of support
were sought. He said he was not completely convinced that in the long
run the institutions were going to find the policy of absorption of new
programs to their advantage. He also commented again upon the diffi-
culty of making a convincing case that new Ph.D. programs can be added
without added cost to the institution.

Recommended Board Action

Mr. Layman said he felt considerations for and against authorization of
the program were about evenly balanced. However, in view of the fact
that the program could be added, apparently, with little cost and that
the department had been operating in anticipation of the authorization,
he moved that the Committee recommend that the Board authorize Oregon
State University to offer a Ph.D. degree program in history of science,
as proposed, effective with the 1970-71 year.

Mrs. Johnson called for a formal vote on the motion. Mr. Layman and
Mr. Snider voted aye. Mrs. Johnson voted no. The recommendation for
approval thus goes to the Board by a 2 to 1 vote.

Recommendation of the Committee

Mrs. Johnson moved approval of the Committee recommendation and
reserved the right to vote against her own motion.

Discussion:

Mrs. Johnson said there were a number of considerations in this request
that merited a great deal of thought by Board members. The recommenda-
tion from the Board's Office of Academic Affairs was that the request
of Oregon State University for a Ph.D. program in history of science
not be approved at this time but that Oregon State University be
commended for its interest in history of science at the level at
which it is now operating and that it be encouraged to continue the
option in general science they have developed in their present Ph.D.
programs. She suggested that in voting the Board should consider care-
fully some of the facts brought out in the document prepared by the
Office of Academic Affairs - the small number of graduates from Ph.D.
programs in operation elsewhere in the United States, three Ph.D.
programs in history of science already in existence on the west
coast, and the apparent misunderstanding by Oregon State University
of the implications of the Board's approval of the Master of Science
program in history of science. She said she was concerned about how
realistic Oregon State University's estimates of the cost of library
resources were, especially in view of the testimony of experts that
development of a library in the centuries Oregon State University
plans to concentrate on is more difficult and expensive than for
earlier periods. Another factor of grave concern is the direction
of the 1969 Legislature that graduate enrollments be held within a
certain limit. The legislature is also concerned about the increasing
use of teaching assistants, she said, and that while she did not doubt that candidates in this program would be able teaching assistants, inauguration of the program would mean a transfer of some instructional duties from regular staff members to teaching assistants.

She said she felt that at a different time under different conditions this might be a request that it would be appropriate to approve, but at this time she felt there were good reasons why the request should not be approved.

Mr. Layman asked if Oregon State University would care to comment on the questions raised by Mrs. Johnson. President Young asked Dr. Humphrey to respond.

Dr. Humphrey said he would like to comment on three points where he thought Mrs. Johnson had "misinterpreted" the proposal. In respect to the library resources, he said Oregon State University had developed its science library over a long period of time and many of the holdings were equally useful to specific science departments as to history of science. Funds for development of the library are available every year, and the $15,000 sum mentioned in the Oregon State University recommendation for improvement of the history of science library are funds already earmarked for this purpose from funds allocated the school of science. He said comments of experts who had reviewed the program did not mean that the Oregon State University library was deficient in secondary and source materials in the relatively modern period of history of science. He said the fact was Oregon State University had "rich" source materials in the centuries of science in which it planned to concentrate (17th to 20th centuries).

He said the department of general science had not been aware that its intentions to develop a Ph.D. program had been edited out of the presentation made to the Board requesting authorization of the master's degree, and, under the misconception that its intentions were known, had gone ahead and developed, in an orderly fashion, the proposed Ph.D. program, approval of which is now being requested. He emphasized that the program would be a new major option at the Ph.D. level in the department of general science and said this was different from a totally new Ph.D. program.

He stated that resources now available would be underutilized if authorization of the program were delayed.

Mrs. Johnson said she did not understand how the resources would be underutilized when students could do their research and write their dissertations in history of science under the three-area Ph.D. program offered by the department of general science. Dr. Humphrey responded that the difference between the three-area program and the proposed program was one of degree - a student completing his concentration of work in the three-area program would not have the depth of course preparation in the field of
history of science that he would have if his major were history of science. In the three-area program the student would do 25-30 hours of course work in history of science, in the professional history of science program now requested he would do approximately 55 hours of course work.

Mrs. Johnson commented that she did not wish to get into a discussion of respective merits of breadth versus depth in the preparation of professors, but she felt that in view of Oregon State University's presentation the primary employment of Oregon State University graduates in history of science would be in positions where they would teach both history of science and a lower-division science, these graduates would be better served by a program providing breadth such as the three-area program.

Dr. Humphrey said Oregon State University did not intend to do away with the present option, but that it was now prepared to offer students who wanted to become professional historians of science opportunity to concentrate in this area.

Board Action

Mr. Joss said he was impressed by the fact that the Board's Office had originally recommended that the request not be approved, and that the minutes of the Committee's meeting indicated that the Chancellor had some grave reservations about its approval, but that he felt it would be inappropriate for the Board to vote against the Committee's recommendation for approval without giving Oregon State University more opportunity to present its views.

Mr. Joss said that since time is limited in the formal meeting of the Board, he moved that the matter be referred again to the Academic Affairs Committee for further study. Mr. Holmes supported the motion. The motion was unanimously approved.

Easements for Right-of-Way on Camp Adair Property, OSU

(Considered by Building Committee, November 17, 1969.)

Oregon State University reports that for some time there has been a minor dispute over the boundaries of the property owned by the state in the area of the former Camp Adair. The dispute concerns a dead-end roadway permitting access to property owned by four parties. In the process of resolving the dispute, a survey was obtained which indicated clearly that the property belonged to the state. Three of the property owners requiring access over the roadway, Jean S. Roth, Mr. and Mrs. Clair H. Cox, and Mr. and Mrs. Bruce Wyatt, have agreed to pay the cost of the survey, totaling $300. In return, they expect to be granted a non-exclusive right-of-way and easement over the land. The grantees each agree to indemnify and hold the state harmless from claims arising out of the use by the grantees of the roadway.

Acting President Young, with the concurrence of the Chancellor, recommended that the appropriate Board officials be authorized to execute the easements with the three parties along the lines indicated.
The Building Committee recommended that the Board approve the recommendation as presented.

The Board approved the recommendation as presented. During the discussion, it was indicated that the easements were to the individual owners and would not be conveyed with the property if the ownership changed.

Upon the recommendation of officials of Oregon State University, arrangements have been made for the professional services of Architects Hewlett & Jamison, Portland, for the design and construction supervision of the proposed Housing at the Yaquina Bay Marine Science Center, Newport. This project was authorized by the 1969 Legislature within an expenditure limitation of $165,000. Consideration is being given to the possible use of prefabricated components or housing units rather than conventional on-site construction.

For their services, the architects are to be compensated on a time-and-materials basis, with the understanding that the total charge shall not exceed 12 percent of the direct construction costs of approximately $136,000, including site work and utility costs. Funds for the architectural planning are to be provided from self-liquidating bond borrowings and/or balances available from auxiliary enterprises operations at Oregon State University.

During the Board discussion, Mr. Hunderup called attention to the fact that prefabricated housing units were being considered for this project. In response to a question regarding the need to employ architects if prefabricated units were used, Mr. Hunderup said that they were needed to make studies of the feasibility of using the prefabricated units and to provide an independent evaluation of the relative quality and quantity requirements for this type of housing. In addition, the architects will assist in determining the type of units which would be compatible with the other construction at Yaquina Bay Marine Science Center and in developing plans which would maintain the campus-type environment.

The Board accepted the report as presented.

On November 12, 1969, upon the recommendation of Oregon State University officials, the Vice Chancellor for Facilities Planning inspected and accepted the work performed by the construction contractor for the Computer Center, subject to the completion of a few minor items. A revised semifinal budget for the project is shown below in comparison with the budget report to the Board on September 9-10, 1968:
Meeting #379-26

December 10, 1969

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<table>
<thead>
<tr>
<th>Project Costs</th>
<th>Revised Budget 11/12/69</th>
<th>Original Budget 9/9-10/68</th>
<th>Increase or Decrease</th>
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<tbody>
<tr>
<td>Direct construction costs - Pearson &amp; Prade, Inc., Salem</td>
<td>$544,797</td>
<td>$540,670</td>
<td>$4,127 (1)</td>
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<tr>
<td>Professional services fees, including basic studies for future additions</td>
<td>40,147</td>
<td>39,900</td>
<td>247</td>
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<tr>
<td>Furnishings and equipment</td>
<td>10,000</td>
<td>10,000</td>
<td>-</td>
</tr>
<tr>
<td>Physical Plant costs, including construction supervision, moving, advertising and miscellaneous costs</td>
<td>25,056</td>
<td>18,617</td>
<td>6,439 (2)</td>
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<tr>
<td>Contingencies</td>
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<td></td>
<td></td>
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<tr>
<td>Total project costs</td>
<td>$620,000</td>
<td>$620,000</td>
<td>($10,813)</td>
</tr>
</tbody>
</table>

(1) Includes modifications to the cooling system, coils and chilled water supply; the furnishing and installation of a 100-ton chiller in lieu of a 60-ton unit; modifications to sidewalks; and other changes incorporated within five approved change orders.

(2) Inclusive of work to be performed by the physical plant staff including the installation of a grounding system for the computer and some site work.

Plans and specifications for the Computer Center were prepared by Architects Brookman, Zaik & Miller of Portland. The work included the construction of a one-story building, plus basement, on a site east of Kidder Hall. The building is of reinforced concrete construction with sand-blasted finish. It has some brick veneer on the exterior walls and has the structural capacity for an additional floor. The main floor includes the area for the computing equipment with adjoining spaces for the data preparation center, customer engineering, related service spaces, including the key punch rooms and remote teletype units, office spaces for several faculty and staff associated with the Center, and a conference room. The basement area includes space for mechanical and electrical equipment, two future laboratories, restroom facilities and storage rooms. A special feature within the building is the prefabricated raised floor in the computer room to permit easy access to the mechanical and electrical services. Based upon the gross area of 23,502 square feet, the direct construction costs of approximately $544,797 average about $23.18 per square foot.

Of the total project costs of $620,000, the amount of $590,000 was provided from the General Fund appropriation in Chapter 404, Oregon Laws 1967, and the remaining amount of $30,000 was financed from capital outlay building use credits available to Oregon State University.
RECAPITULATION AT INSPECTION AND ACCEPTANCE

Project - OSU Computer Center

Architects - Brookman, Zaik & Miller, Portland

Legislative authorization - Chapter 404, Oregon Laws 1967

Board's Priority - No. 17 in 1967-1969

Approximate gross area - 23,502 square feet

Total project costs $620,000

Direct construction costs:
  Total $544,797
  Average (per square foot) - $23.18

Financing plan:
  General Fund appropriation in Chapter 404, Oregon Laws 1967 $590,000
  Building use credits 30,000
  Total $620,000

The Board accepted the report as presented.

Upon the recommendation of officials of Oregon State University, the Board's Office has accepted the final plans and specifications which Architects Hewlett & Jamison prepared for the proposed Administration Building. Funds in the amount of $4,250,000 were authorized for this project by the 1969 Legislature and have been released by the State Emergency Board. Consequently, bids are scheduled to be received in Corvallis on December 16, 1969.

The final plans are in substantial agreement with the revised preliminary plans approved by the Board October 23, 1967, except for the expansion of the basement area under the tower section of the building. This change increases the estimated gross area from 122,157 square feet to a revised total of approximately 127,491 square feet. Minor rearrangements have been made of certain office areas without changing the overall exterior dimensions of the two units of the building.

The Administration Building would be located adjacent to the Armory on the southwest corner of Jefferson Street and Fifteenth Avenue. The low-rise portion of the building, containing a basement and two floor levels, would accommodate such departments as the Registrar's Office, Business Office and the Comptroller's Office. These units require large work areas with a minimum amount of partitions and access to exterior windows. The remainder of the building would be
a high-rise, multilevel structure, initially with six floors of occupancy, plus basement, and would have provision for vertical expansion of additional floors at some future date. This section would accommodate departments requiring large amounts of partitioning and a high percentage of window availability, such as the Offices for the President, Dean of Administration, Dean of Students, Dean of Faculty, Director of Business Affairs, Director of Planning and Institutional Research and other administrative personnel. The tower portion of the building is designed for the lift-slab method of construction. Exterior walls would feature precast concrete column covers with brick veneer and fixed aluminum sash. The entire unit would be air conditioned.

The direct construction costs of the building are estimated to be approximately $3,424,492, averaging about $26.86 per square foot. These amounts exclude $148,484 budgeted for site preparation, utility services, roads, walks, landscaping, etc.

Except for $200,000 for the space allocated to the Director of Housing and his staff, which is to be financed from self-liquidating bonds under Article XI-F(1) of the Oregon Constitution or from balances available from auxiliary enterprises operations, the project is to be financed from the General Fund appropriation in Section 1 of Chapter 664, Oregon Laws 1969 and/or bond borrowings under Article XI-G of the Constitution.

If satisfactory bids are received, it is expected that contract awards will be made by the appropriate Board officials for construction within a total project budget not to exceed $4,250,000.

RECAPITULATION UPON COMPLETION OF FINAL PLANS

Project - OSU Administration Building

Architects - Hewlett & Jamison, Portland

Legislative authorization - Chapter 664, Oregon Laws 1969

Board's Priority - No. 1 in 1969-1971 (Educational and General Plant)

Approximate gross area - 127,491 square feet

Estimated total project costs - $4,250,000

Estimated direct construction costs:
Total, including outside utilities and site work $3,572,976
Total for building only $3,424,492
Average (per square foot) - $26.86

Tentative schedule:
Contract award - December 1969
Completion - August 1971
Tentative financing plan:
State funds (General Fund appropriation and/or Article XI-G bonding) $4,050,000
Self-liquidating bond borrowings under Article XI-F(1) and/or auxiliary enterprise operation balances
Total 200,000
$4,250,000

The Board accepted the report as presented.

Budget Addition for Presidential Search, OSU
(Considered by Finance Committee, November 17, 1969.)

Acting President Young recommended, with the concurrence of the Chancellor, that an additional amount of $5,760 be added to the expenditure authorization for the Presidential Search Committee at Oregon State University. This amount added to the $12,300 provided during year 1968-69 will authorize $18,060 for the presidential search expenditures.

The proposed increase is needed to complete the search and to bring several candidates and their wives to the Oregon State University campus for visitations and interviews. The amount is to be provided from the Board's Unappropriated Fund.

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

The Board approved the recommendation as presented.

Health Research Facilities
Grant Proposal to NIH for Enlarged Behavioral Sciences Facility, UO
(Considered by building Committee, November 17, 1969)

At its June 20, 1969, meeting, the Emergency Board adopted a policy of reviewing requests for federal grants prior to the submission of applications to the federal government. It was indicated that this review would be limited to those applications for grants not included in the budget approved by the 1969 Legislature, or those for which the limitations on expenditures of federal moneys established by the 1969 session would not be adequate to permit the expenditure of the grant proceeds.

It is the interpretation of the Board's Office that applications filed for grant assistance under Titles I and II of the Higher Education Facilities Act of 1963, as amended, would not require the approval of the Emergency Board since such funds, if allocated, would be used to offset state fund requirements for projects authorized by the Legislature and would not involve any increases in the expenditure limitations. On the other hand, under the current regulations, applications to the National Science Foundation, U. S. Public Health Service, Area Redevelopment Administration, etc., for grant funds for additional projects or for increasing the scope of previously authorized projects would appear to require such advance approval by the Emergency Board.
On July 21, 1969, the Oregon State Board of Higher Education approved the design development phase of planning for the proposed Classroom Office Teaching Center: Southwest Campus (Behavioral Sciences) at the University of Oregon, which had been authorized by the 1969 Oregon Legislature as Priority No. 11 in the 1969-1971 capital outlay program. It was indicated that the facilities would provide a gross area of approximately 98,175 square feet within the estimated total project budget of $3,765,000. During presentations of the plans (both for the schematic design and the design development phases), it was emphasized that provision would be made for the building to accept vertical additions without affecting the architectural concept. (For example, it would be possible to add one or more floor levels on all or a portion of the structure.)

Subsequent to the July meeting of the Board, University of Oregon officials prepared and submitted to the Board's Office a program for the expansion of the proposed facilities for the behavioral sciences. It was proposed that an addition of approximately 16,000 net assignable square feet be planned for the Anthropology and Psychology Departments contiguous to the Psychology spaces on the top floor level. It was anticipated that funds to finance such an addition would come from federal funds since the research activities to be undertaken in the new facilities would appear to qualify as health-related programs sponsored by the National Institutes of Health under the U. S. Public Health Service. The grant application would be based upon the eligible research space of the Department of Psychology, and the state funds previously authorized by the 1969 Legislature would fulfill the necessary matching fund requirements.

If federal funds were not forthcoming, reversion to the original design would be automatic without any significant redesign requirements. Schematic designs for the expanded area, containing a gross area of about 26,535 square feet, have been prepared by Architects Lutes and Amundson, and copies of the health research facilities grant proposal have been filed with the Board's Office. Approximately 8,244 net square feet would be assigned to Psychology (principally for additional offices and laboratories) and 8,000 net square feet would be assigned to Anthropology (principally for graduate student offices and laboratories). Based upon a total estimated project cost of $4,971,000, including $66,000 for a prorated share of the costs for Central Cooling, Phase III, the grant proposal would request federal funds in the amount of $1,237,278. If the federal grant proposal is approved in the total amount requested, it would be possible to reduce the state funds by $97,278 (from $3,765,000 to $3,667,722) and provide the enlarged facilities for behavioral sciences at the University.

The estimated direct construction costs for the proposed building, including fixed equipment but exclusive of exterior walls, retaining walls, planting, irrigation system and exterior lighting, are expected to be approximately $3,859,000. For the adjusted gross area of 127,087 square feet, these costs would average about $30.37 per square foot. The revised gross area reflects a correction in the original plans.
from 98,175 to 100,552 square feet and the proposed additional area of 26,535 square feet to be provided if the federal funds are allocated.

With the concurrence of the Chancellor, President Clark recommended that the appropriate Board officials be authorized to present to the State Emergency Board a request that a grant proposal be submitted to the federal government for support of health-related research facilities in the amount of approximately $1,237,278. Following its review and approval by the State Emergency Board, University of Oregon officials would forward the grant proposal to the federal granting agency in order to seek funds which would permit an increase in the presently planned scope of the Classroom, Office Teaching Center: Southwest Campus (Behavioral Sciences).

In response to a question during the Board discussion, it was indicated that it would not be possible to substitute federal grant funds for a portion of the state appropriation for this project. Federal support would only be available for expanding the project beyond the facilities provided through the state appropriation. The enlarged building would include the kinds of spaces which would be eligible for federal support.

If the federal grant is received, it will be necessary to seek Emergency Board approval of an increase in the expenditure limitation for the project.

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

The Board approved the recommendation as presented.

(Considered by Building Committee, November 17, 1969.)

President Clark, with the concurrence of the Chancellor, recommended that authorization be given to purchase the Jones property located within the approved projected campus boundaries at 1511 Moss Street, Eugene. The owners indicated a desire to sell and have executed an option in the amount of $28,000 which is in line with Board appraisals. The property consists of approximately 13,344 square feet, improved with a large residence and a detached rental unit. The property is located in an area designated for future development of dormitories. Funds to finance the acquisition are to be provided from the proceeds of sale of Article XI-F(1) bonds available to the University for this purpose.

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

The Board approved the recommendation as presented. During the Board discussion, it was indicated that two or three independent certified appraisers are employed to evaluate properties to be purchased by the Board.
Report of Purchase of Loken Property, UO

Pursuant to Board policy adopted October 22, 1968, the Vice Chancellor for Administration has accepted the option of Mr. and Mrs. Leland Loken for real property located within the approved projected campus boundaries at 1763 Moss Street, Eugene. The property consists of a lot containing approximately 9,600 square feet and is improved with a one and one-half story frame residence. The option price of $11,275 is in line with appraisals obtained by the institution. The property is located in an area expected to provide future sites for dormitory facilities, and funds are to be provided from the proceeds of sale of Article XI-F(1) bonds available to the University for that purpose.

The Board accepted the report as presented.

Report of Bids and Contract Award for Fuel Conveyor, UO

Inasmuch as the bids received on July 16, 1969, for improvements to the Hoggred Fuel Conveyor System at the University of Oregon exceeded substantially the budgeted allowance for this work, they were rejected; and Engineers J. Donald Kroeker & Associates were instructed to make modifications to the plans and specifications in order to stay within the expenditure limitation of $135,000 authorized by the 1969 Legislature. The most significant revisions related to the elimination of fill required to raise the paving in the fuel yard near the end of the pickup conveyor and the elimination of one set of conveyors, pickup and belt transport. The revised plans also omitted a new boiler feed conveyor and a new recirculating conveyor on the roof of the heating plant by modifying the existing belt system. Provision for a closed-circuit television system to observe all operating functions was deleted.

New bids for the work were received in Eugene on November 4, 1969. Six contractors submitted quotations ranging from $97,239 to $139,877. Since the low bid was well within the direct construction cost allowance of $120,000, a contract award was made to the low bidder, and the following budget was approved for the project:

<table>
<thead>
<tr>
<th>Direct construction costs:</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. E. Stafford, Eugene</td>
<td>97,239</td>
</tr>
<tr>
<td>Other revisions and repair work to be contracted</td>
<td>7,030</td>
</tr>
<tr>
<td>Professional service fees</td>
<td>8,726</td>
</tr>
<tr>
<td>Construction supervision</td>
<td>2,000</td>
</tr>
<tr>
<td>Physical Plant costs</td>
<td>14,792</td>
</tr>
<tr>
<td>Contingencies</td>
<td>5,213</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$135,000</strong></td>
</tr>
</tbody>
</table>

Of the total project costs, $85,000 is being provided from the General Fund appropriation in Chapter 664, Oregon Laws 1969 and/or bond borrowings issued under the provisions of Article XI-G of the Oregon Constitution, and the remainder of $50,000 is being financed from self-liquidating bond borrowings and/or balances available to the University of Oregon for auxiliary enterprises.
Briefly, the work includes replacing a portion of the hogged fuel conveying system with a new conveying system to develop delivery of approximately 37 units of hogged fuel per hour to the boilers. The main components being added are a drag-chain pickup conveyor at the fuel pile, equipped with a vibrating screen to remove large and stringy material, and belt transport conveyors to the heating plant roof. Existing boiler feed and recirculating conveyors are being altered and reused.

RECAPITULATION UPON AWARD OF CONTRACT

Project - UO Fuel Conveyor

Engineers - J. Donald Krocker & Associates, Inc., Portland

Legislative authorization - Chapter 664, Oregon Laws 1969

Board's priority - No. 18 (Educational and General Plant) and No. 15 (Auxiliary Enterprises) in 1969-1971

Estimated total project costs - $135,000

Estimated direct construction costs - $104,269

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

Tentative financing plan:
  State funds (General Fund appropriation and/or Article XI-G bonding) $85,000
  Self-liquidating bond borrowings under Article XI-F(1) and/or balances available for auxiliary enterprises
    $50,000
  Total
    $135,000

The Board accepted the report as presented.

On October 17, 1969, upon the recommendation of University of Oregon officials and Architects Balzhiser, Rhodes, Smith & Morgan, the Vice Chancellor for Facilities Planning inspected and accepted the work performed by the three principal construction contractors for the Clinical Service Building for Mental Retardation, subject to the completion of a few minor items. A revised semifinal budget is shown below in comparison to the budget reported to the Board on April 23, 1968:
### Project Costs

<table>
<thead>
<tr>
<th></th>
<th>Revised Budget 10/17/69</th>
<th>Original Budget 4/23/68</th>
<th>Increase or (Decrease)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direct construction costs:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General work - Robert D. Morrow Inc., Salem</td>
<td>$847,579</td>
<td>$834,300</td>
<td>$13,279 (1)</td>
</tr>
<tr>
<td>Mechanical work - Temp-Control Corporation, Portland</td>
<td>$181,706</td>
<td>$180,555</td>
<td>$1,151 (2)</td>
</tr>
<tr>
<td>Electrical work - McPheeters Electric Co., Eugene</td>
<td>$112,177</td>
<td>$110,692</td>
<td>$1,485 (3)</td>
</tr>
<tr>
<td><strong>Total direct construction costs</strong></td>
<td>$1,141,462</td>
<td>$1,125,547</td>
<td>$15,915</td>
</tr>
<tr>
<td><strong>Professional service fees,</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>including soil investigations</td>
<td>$76,447</td>
<td>$75,293</td>
<td>$1,154</td>
</tr>
<tr>
<td>Furnishings and equipment</td>
<td>$118,000</td>
<td>$118,000</td>
<td>0</td>
</tr>
<tr>
<td><strong>Construction supervision and miscellaneous costs</strong></td>
<td>$18,442</td>
<td>$13,000</td>
<td>$5,442 (4)</td>
</tr>
<tr>
<td><strong>Contingencies</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total project costs</strong></td>
<td>$1,354,351</td>
<td>$1,354,351</td>
<td>0</td>
</tr>
</tbody>
</table>

(1) Includes modifications to stairway; revision of hardware, modifications to the lecture room; extra rock excavation and concrete fill; and other changes incorporated within twenty-one approved change orders.

(2) Includes a change of location of domestic water service; the relocation of the storm sewer; modifications to circulating pumps and controls; and other changes incorporated within six approved change orders.

(3) Includes modifications to aerial cable; changes in electrical fixtures; and other minor changes incorporated within ten approved change orders.

(4) Includes moving costs, concrete testing, city building permit, and general administrative costs applicable to the physical plant.

Plans and specifications for the Clinical Service Building for Mental Retardation were prepared by Architects Balsizer, Rhodes, Smith & Morgan of Eugene. Essentially, the structure is of reinforced concrete construction with some brick used for the walls of the first floor. All window sash are of baked enamel steel. Utility services are supplied from the campus central plant through an extension of the utility tunnel to the project site. The roof features a Cor-Ten sheet steel alloy roof which develops a protective oxide film upon exposure to the elements.

The building contains a gross area of approximately 45,499 square feet and is located within the southwest portion of the campus, north of Eighteenth Avenue and east of Alder Street, near the facilities of the School of Music. A portion of the new structure includes classroom and play areas where mentally retarded children will be grouped within age levels for observation by students and staff, both from within such spaces and from a second-story observation corridor. It
also includes a large lecture room, a multi-purpose room, individual work and observation areas, a shop and home economics space and a utility core containing stair, elevator and mechanical areas. Within the tower section of the building, which contains three stories plus a basement, facilities are provided for a diagnostic evaluation center for examination and counseling, an instructional materials center, seminar rooms, offices, storage and service areas. Structural capacity for vertical expansion for four additional floors is planned for this wing of the building to accommodate future offices and related service spaces.

Of the total project costs, $969,928 was financed from the grant of $3,706,500 which the U. S. Public Health Service awarded for the mental retardation facilities at the University of Oregon and the University of Oregon Medical School, and the remaining $384,423 was provided from General Fund appropriations within Chapter 456, Oregon Laws 1967.

RECAPITULATION UPON INSPECTION AND ACCEPTANCE

Project - UO Clinical Service Building for Mental Retardation

Architects - Balzhiser, Rhodes, Smith & Morgan, Eugene

Legislative authorization - Chapter 456, Oregon Laws 1967

Board's priority - No. 48 in 1967-1969

Approximate gross area - 45,499 square feet

Total project cost - $1,354,351

Direct construction costs:

Total $1,141,462

Average (per square foot) - $25.09

Financing plan:

Grant funds from the U. S. Public Health Service $ 969,928
State funds from General Fund appropriation in Chapter 456, Oregon Laws 1967

Total $384,423

$1,354,351

During the Board discussion, Mrs. Johnson suggested that since the design of the building is unusual, it would be helpful in future planning to have a report on how well the building serves the functions for which it was designed and also any shortcomings which may appear as the building is put into operation. Board members also expressed a desire to visit the building when the Board meets in Eugene.

The Board accepted the report as presented.
(Considered by Finance Committee, November 17, 1969.)

In 1941, the University of Oregon received real property from the estate of Ellen M. Pennell, the purpose of the bequest being to establish an endowment fund with the income to be used for the payment of tuition and fees of students enrolled in the School of Architecture at the University. The real property consists of a lot located at 541 E. 12th Street, Eugene, containing about 3,000 square feet of land improved with a frame residence constructed in about 1910.

The property has, in the years since acquisition, been rented to the public, but in recent years has been operated as a psychology laboratory for the University, the reasonable rental value accruing to the benefit of the scholarship income account. The property has become increasingly more difficult to rent and manage. Appraisals have been obtained on the property, the average being $12,000.

President Clark, with the concurrence of the Chancellor, recommended that the property be sold in accordance with state law, with a minimum price of $12,000. The minimum terms of the sale include a down payment of $3,000, with the balance to be amortized in quarterly installments in not more than ten years. Interest on the unpaid principal balance would be computed at 8-1/2 percent per annum.

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

The Board approved the recommendation as presented.

In accordance with authorization granted by the Board on October 27, 1969, bids for the construction of the proposed Third Addition to the Science Building at the University of Oregon were received in Eugene at 8:00 P.M. on November 18, 1969. They may be summarized as follows:

<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>5</td>
<td>$2,427,801</td>
<td>$2,680,845</td>
</tr>
<tr>
<td>Mechanical Work</td>
<td>1</td>
<td>1,279,941</td>
<td>1,279,941</td>
</tr>
<tr>
<td>Electrical Work</td>
<td>5</td>
<td>286,775</td>
<td>318,980</td>
</tr>
</tbody>
</table>

The sum of the low bids was $3,994,517, averaging $46.08 per square foot for the gross area of 86,680 square feet. By deducting all bid alternates, including the deletion of the top floor of the building, the sum of the low bids could be reduced to $3,383,518, but this amount would still be $815,518 above the direct construction cost allowance of $2,568,000 which had been indicated to Architects Skidmore, Owings & Merrill.

In view of the circumstances, all of the bids for the project are being rejected. It is expected that recommendations concerning the future planning of the science facilities will be presented to the Board following further consultation of Board officials with the project architects and with institutional representatives.

The Board accepted the report as presented.
Bids for Phase II of the Central Cooling System at the University of Oregon were received in Eugene on November 18, 1969, simultaneously with those for the proposed Science Building, Third Addition. The quotations submitted by five contractors who were approved for bidding the utility project ranged from a low of $230,000 to a high of $284,000.

Inasmuch as the lowest bid was well within the direct construction cost allowance which had been provided to Engineers J. Donald Kroeker & Associates, University officials have recommended that a contract award be made and that the following budget be approved for this work:

```
Direct construction costs - Willis Mechanical
  Contractor, Inc., Eugene   $ 230,000
Purchase and installation of chiller (work completed)          70,314
Alterations within existing buildings to provide cooling (to be contracted separately)   60,000
Professional services fees                                  20,316
Construction supervision and miscellaneous costs              7,870
Contingencies                                              11,500
Total project costs                                        $ 400,000
```

The Chancellor concurred in this recommendation even though it may be necessary to finance all of the costs from state funds. Efforts are being made to preserve the eligibility of portions of the costs from federal grants which have been committed for the proposed new science facilities, but a determination thereof cannot be made until problems relating to the construction of the Science Building, Third Addition, have been resolved. Meanwhile, it is necessary to proceed with the utility project since several campus buildings recently completed or now under construction are dependent upon the extension of the central cooling distribution system for service. For example, the Clinical Service Building for Mental Retardation and the new facilities for the School of Law require connections to the chilled water piping from the central plant.

Pending the development of a revised program for bidding and constructing the Science Building, Third Addition, it is expected that expenditures for alterations to existing buildings (such as portions of the Library, Johnson Hall, Commonwealth Hall, Chapman Hall, etc.) to utilize chilled water for cooling will be limited to engineering planning.

**RECAPITULATION UPON RECEIPT OF BIDS**

Project - UO Central Cooling, Phase II

Engineers - J. Donald Kroeker & Associates, Portland

Legislative authorization - Chapter 404, Oregon Laws 1967
Board's priority - No. 3 in 1967-1969 (as a portion of the request for Science Building, Third Addition, and Central Cooling)

Total estimated project costs $ 400,000

Estimated direct construction costs:
For tunnel piping and related work (bid 11/18/69) $ 230,000
For purchase and installation of chiller (work completed) 70,314

Tentative financing plan:
State funds (General Fund appropriation in Chapter 404, Oregon Laws 1967 and bond borrowings under Article XI-G of Oregon Constitution) and offsets $ 400,000

During the Board discussion, Mr. Underup indicated that notification had been received from the U. S. Office of Education that the pro-rated utility costs would remain eligible for grant funds when and if the science facilities were constructed.

The Board accepted the report as presented.

Report of New Bids for General Work Contract on Teaching Hospital Addition & Alterations; Revised Financial Program for Teaching Hospital Addition & Alterations & Basic Science Classroom and Laboratory Building, UOMS (Considered by Building Committee, November 17, 1969.)

In accordance with the program approved by the Board on September 8, 1969, revisions were made in the plans and specifications for the general work contract for the Teaching Hospital Addition and Alterations at the University of Oregon Medical School and new bids for this work were opened in Portland at 7:30 P.M. on Thursday, November 6, 1969. The three bids received ranged from a low of $3,349,550 to a high of $3,755,482 after deducting several "nonprogram" bid alternates which would be exercised if a contract award is made to the low bidder.

Giving effect to adjustments required for the time extension granted by the lowest bidders for the other prime contracts, subsequent to the initial bid opening on August 14, 1969, and for minor changes to be negotiated and incorporated within the contract documents if awards are made following approval by the State Emergency Board on November 13-14, 1969, the following project budgets have been developed.

<table>
<thead>
<tr>
<th>Direct construction costs:</th>
<th>Teaching Hospital Addition &amp; Alterations</th>
<th>Basic Science Classroom and Laboratory Building</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>General work -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teeplees and Thatcher, Inc., Portland</td>
<td>$3,349,550</td>
<td>-</td>
<td>$3,349,550</td>
</tr>
<tr>
<td>Todd Building Company, Roseburg</td>
<td>-</td>
<td>$3,173,470</td>
<td>3,173,470</td>
</tr>
</tbody>
</table>


Meeting #379-39

December 10, 1969

<table>
<thead>
<tr>
<th>Teaching Hospital Addition &amp; Alterations</th>
<th>Basic Science Classroom and Laboratory Building</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical work - Lord Bros. Contractors, Inc., Portland</td>
<td>1,534,770</td>
<td>1,499,580</td>
</tr>
<tr>
<td>Electrical work - Christenson Electric, Inc., Portland</td>
<td>730,920</td>
<td>-</td>
</tr>
<tr>
<td>W. R. Grasle Co., Portland</td>
<td>-</td>
<td>544,065</td>
</tr>
<tr>
<td>Total direct construction costs</td>
<td>$5,615,240</td>
<td>$5,217,115</td>
</tr>
<tr>
<td>Professional service fees (including consultants)</td>
<td>390,710</td>
<td>320,139</td>
</tr>
<tr>
<td>Construction supervision</td>
<td>32,500</td>
<td>30,000</td>
</tr>
<tr>
<td>Furnishings and equipment</td>
<td>325,131</td>
<td>276,420</td>
</tr>
<tr>
<td>X-ray therapy and Betatron equipment</td>
<td>247,991</td>
<td>-</td>
</tr>
<tr>
<td>Miscellaneous costs, including landscaping</td>
<td>8,600</td>
<td>7,500</td>
</tr>
<tr>
<td>Contingencies (2% of direct construction costs)</td>
<td>112,305</td>
<td>104,342</td>
</tr>
<tr>
<td>Total project costs</td>
<td>$6,732,477</td>
<td>$5,955,516</td>
</tr>
</tbody>
</table>

The sources of funds would be as follows:

<table>
<thead>
<tr>
<th>Totals Authorized by Emergency Board on Decem-ber 12, 1968</th>
<th>Amounts Subject to Approval on Nov. 13-14, 1969</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal grants from U.S. Public Health Service: Health Manpower Facilities</td>
<td>$5,097,091</td>
<td>$</td>
</tr>
<tr>
<td>Health Research Facilities</td>
<td>890,850</td>
<td>-</td>
</tr>
<tr>
<td>Subtotal</td>
<td>$5,987,941</td>
<td>$</td>
</tr>
<tr>
<td>General Fund appropriations in Chapter 404, Oregon Laws 1967: Section 1</td>
<td>415,000</td>
<td>-</td>
</tr>
<tr>
<td>Section 3</td>
<td>-</td>
<td>113,187</td>
</tr>
<tr>
<td>General Obligation bond borrowings issued under provision of Article XI-G of Oregon Constitution</td>
<td>5,186,250</td>
<td>73,954</td>
</tr>
<tr>
<td>Capital outlay building use credits</td>
<td>43,750</td>
<td>37,859</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>--------</td>
<td>--------</td>
</tr>
<tr>
<td>Gift funds (for X-ray therapy and Betatron equipment)</td>
<td>247,991</td>
<td>0</td>
</tr>
<tr>
<td><strong>Subtotals</strong></td>
<td><strong>$11,880,932</strong></td>
<td><strong>$225,000</strong></td>
</tr>
<tr>
<td>State funds to be authorized by 1971 Oregon Legislature (estimated)</td>
<td>-</td>
<td>582,061</td>
</tr>
<tr>
<td><strong>Total sources of funds</strong></td>
<td><strong>$11,880,932</strong></td>
<td><strong>$807,061</strong></td>
</tr>
</tbody>
</table>

It will be noted that the total budget requirements are substantially less than the amount anticipated at the time of the September 8, 1969, meeting of the Board. Since the revised deficit of $582,061 is slightly less than the total of $601,551 needed for furnishings and movable equipment, it is proposed that the purchase of such items be deferred until the additional resources are authorized by the 1971 Legislature. It would not appear necessary to defer any other portions of the project costs, nor to exercise any of the "program" alternates.

Recommendations outlining the proposed contract awards have been forwarded to the U. S. Public Health Service since the concurrence of that granting agency is necessary before such awards may be made. Based upon the action of the Board on September 8, 1969, assurance has been provided that the Board will assign a very high priority to the remaining requirements for these projects within the capital outlay program for 1971-1973.

If appropriate authorizations are obtained from the U. S. Public Health Service and from the State Emergency Board, it is expected that construction contract awards will be made and the project budgets outlined above will be approved by the appropriate officials of the Board.

**RECAPITULATION UPON RECEIPT OF BIDS**

**Project** - UOMS Teaching Hospital Addition and Alterations

**Architects** - Edmundson, Kochendoerfer & Kennedy, Portland

**Legislative authorization** - Chapter 404, Oregon Laws 1967

**Board's priority** - No. 11 in 1967-1969
Approximate gross area:
New construction 117,850 square feet
Alterations (37,111 square feet @2/3) 25,141
Total 142,991 square feet

Estimated total project cost $6,732,477

Estimated direct construction costs:
Total
Average (per square foot) -$39.27

Tentative schedule:
Contract awards - November 1969
Completion - February 1972

Tentative financing plan for combination of Teaching Hospital Addition and Alterations and Basic Science Classroom and Laboratory Building:
Federal grants from U. S. Public Health Service:
Health Manpower Facilities $5,097,091
Health Research Facilities 890,850
Subtotal 5,987,941
General Fund appropriations in Chapter 404, Oregon Laws 1967:
Section 1 415,000
Section 3 113,187
General Obligation bond borrowings issued under provisions of Article XI-G of Oregon Constitution 5,260,204
Capital outlay building use credits 81,609
Gift funds (for x-ray therapy and Betatron equipment) 247,991
Subtotal 12,105,932
State funds to be authorized by 1971 Oregon Legislature (estimated) 582,061
Total 12,687,993

RECAPITULATION UPON RECEIPT OF BIDS

Project - UOMS Basic Science Classroom and Laboratory Building

Architects - Campbell-Yost & Partners, Portland

Legislative authorization - Chapter 404, Oregon Laws 1967

Board's priority - After No. 33 in 1967-1969

Approximate gross area - 139,819 square feet
Estimated total project cost $5,955,516

Estimated direct construction costs:
Total $5,217,115
Average (per square foot) - $37.31

Tentative schedule:
Contract awards - November 1969
Completion - July 1971

Tentative financing plan:
See data above under UOMS Teaching Hospital Addition and Alterations

During the Committee discussion, Mr. Hunderup reported that following the preparation of the above report approval had been received from the federal government to proceed with the awarding of contracts for the project in accordance with the revised plans and specifications. However, the State Emergency Board had denied the request of the Board's Office to proceed with the project but had expressed a willingness to consider the project again at its next meeting.

Mr. Hunderup said that it appears unlikely that a meeting of the Emergency Board can be scheduled before December 18-19 and that bids obtained on August 14, 1969, are valid only until December 12. Mr. Hunderup said that every effort would be made either to obtain an earlier date for the Emergency Board meeting or to have the bids extended for an additional week. The extension of the expiration date for the bids could result in an increased cost for the project because contractors might require the payment of a premium because they interpret bid extensions as extending the completion date for the project into higher wage scale periods. In this instance, it would also extend the excavation for the project into a part of the year having less favorable weather conditions. Mr. Hunderup pointed out that these developments were extremely disappointing because a financial program had been developed for the project under which the buildings could have been totally completed and the only thing deferred would have been the movable furniture and equipment.

Mr. Hunderup said that representatives of the U. S. Public Health Service were cooperative but that they had been unable to authorize any changes in the capacity of the number of beds in the teaching hospital nor in the size of the entering class of medical students without going to their advisory council for a re-evaluation of the entire proposal. He said that the federal government agreement requires that the buildings be under contract for construction prior to December 31, 1969. This date has been extended previously and probably could not be extended further. Mr. Hunderup again emphasized the need for this project in order to increase the size of the entering class of medical students as soon as possible because of the shortage of physicians.
Dean Holman said that in 1951 it had been planned that the teaching hospital would be a 350-bed hospital but that it had been necessary to reduce this to 268 beds because during the interval between the appropriation and construction of the building, the costs had increased so sharply. Of these 268 beds, approximately half were reserved for special purposes leaving about 130 beds for all types of general medical and surgical adult patients. He also emphasized the critical shortage of physicians.

Mrs. Johnson referred to the need for adequate facilities to train physicians and other medical personnel. She said the Board had affirmed its conviction that this teaching hospital must be built and that the need for facilities, together with the opportunity to obtain federal funds to increase the size of the graduating class, made it imperative that the Board again express its concern about the necessity for these buildings.

The Building Committee recommended that the Board accept the report as presented.

During the Board discussion, Mr. Hunderup reported that an extension had been obtained from the contractors for the acceptance or rejection of their bids without further premium or penalty than had been acknowledged previously for the first 60-day extension. If the Emergency Board acts favorably at its meeting on December 19, the contract documents will be signed immediately and released for construction.

The Board accepted the report as presented.

(Considered by Finance Committee, November 17, 1969.)

The Medical School is the residual beneficiary of a living trust established by Miss Jessie F. Brock, deceased, of Las Vegas, Nevada. Among the provisions of the trust is that the trustee, the Bank of Nevada, Las Vegas, is to distribute the residual of the trust within two years of the trustor's death (July 12, 1969). The trust further provides that the residual is for the specific use of the Medical School of the University of Oregon for the advancement of medical science in honor of the memory of the trustor's father, Dr. Louis Theodore Brock. The estimated value of the residual totals $280,000 and includes real property consisting of three lots containing approximately 10,500 square feet of land improved with a two bedroom residence at 520 South Sixth Street, Las Vegas. The Medical School has obtained appraisals on the property, the average being $28,350. Arrangements have also been made with the trustee to handle the proposed sale and show the property to prospective buyers after public notice of the sale.

Dean Holman, with the concurrence of the Chancellor, recommended that authorization be given to sell the indicated property in accordance with state law with a minimum price established at
$28,350. Terms of the sale will include a minimum down payment of $9,450 with the balance payable in monthly installments of at least $220, including interest on the reduced balance at the rate of 7 percent per annum.

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

During the Board discussion, Board members said that the value of the property seemed somewhat low considering its location. It was indicated that the appraisals had been obtained from three appraisers who held membership in the Society of Real Estate Appraisers or were designated as a Member of the American Institute of Real Estate Appraisers.

The Board approved the recommendation.

In connection with this discussion, Mrs. Johnson said that it would be helpful to have more of the detailed discussion reported in the minutes of the Board meetings for the information and guidance of future Board members.

(Considered by Finance Committee, November 17, 1969.)

Sale of Real Property in Adamson Bequest, UOMS

Among the assets received by the University of Oregon Medical School under the will of Robert K. Adamson was a one-half interest in real property located at 1722 Southwest High Street, Portland. The other one-half interest belongs to Mrs. Jeannette Williams of Phoenix, Arizona, a relative of the deceased Mr. Adamson. The property consists of three lots in the Portland Heights area improved with a small one-bedroom residence. The residence is now vacant. The Medical School has obtained two appraisals on the property, the average being $13,625. The holder of the other one-half interest has agreed to let the Medical School make the necessary arrangements for the sale with the understanding that she would receive one-half of the net proceeds.

Dean Holman, with the concurrence of the Chancellor, recommended that authorization be given to sell the Medical School's interest and also that of Mrs. Williams with a minimum price established at $13,625. Other terms of the sale would include a minimum down payment of $4,550 with the balance to be paid in monthly installments of at least $100, including interest on the unpaid balance at the rate of 7 percent.

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

The Board approved the recommendation as presented.
Upon the recommendation of officials of the University of Oregon Dental School, arrangements have been made for the professional services of Architects Broome, Selig & Oringdulph, Portland, for the design and construction supervision of the proposed addition and alterations to the Dental School Building for which legislative authorization is expected to be requested in 1971. The project had been included in the Board's capital outlay program for 1969-1971 at an estimated total cost of $2,360,000, but was not funded.

Based upon a current direct construction cost allowance of $1,567,278 for the building addition of about 43,000 square feet under a single construction contract, including fixed equipment, the professional services fee would be 7.4 percent. If the construction cost is larger, the fee rate would be lower; but if the contract amount is smaller, the fee rate would be higher. The fee rate applicable to the proposed alterations, estimated to involve about 22,138 square feet at a direct construction cost of approximately $402,539, would be ten percent of such costs, including fixed equipment.

Funds required for the schematic design phase of planning are being provided from the federal interest-free advance of $30,000 which was reported to the Board on October 22, 1968.

The Board accepted the report as presented.

Dean Terkla, with the concurrence of the Chancellor, recommended adoption of the following patient fee schedules in the Pedodontic and Periodontology Graduate Clinics at the Dental School. This is the first filing pursuant to the authorization for clinic fees given by the Board at its June 11, 1968, meeting (page 347).

**FEE SCHEDULE FOR GRADUATE PERIODONTOLOGY CLINIC**

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Examination and Treatment Planning</td>
<td>$7.50</td>
</tr>
<tr>
<td>Root Planing and Curettage Per Unit (Include teaching home care)</td>
<td>10.00</td>
</tr>
<tr>
<td>Periodontal surgery per quadrant (Includes dressing changes)</td>
<td>40.00</td>
</tr>
<tr>
<td>Occlusal Adjustment - per visit</td>
<td>10.00</td>
</tr>
<tr>
<td>Wire or Wire and Acrylic Splints (per quadrant)</td>
<td>10.00</td>
</tr>
<tr>
<td>Orthodontic Band Splints (per quadrant)</td>
<td>10.00-15.00</td>
</tr>
<tr>
<td>Copper Band and Acrylic Splints (per tooth)</td>
<td>10.00</td>
</tr>
<tr>
<td>Nite Guards (per arch)</td>
<td>30.00</td>
</tr>
<tr>
<td>Hawley Appliances</td>
<td>35.00</td>
</tr>
<tr>
<td>Biopsy</td>
<td>10.00</td>
</tr>
<tr>
<td>Adult Orthodontics</td>
<td>25.00-100.00</td>
</tr>
</tbody>
</table>

Recall Appointments: Fees will be estimated on the same basis.
Fees will be collected on the basis of cost at each visit unless special arrangements are made at the initial visit for collection of the total fee at the beginning of treatment. (Ask section instructor to make arrangements.)

A total fee estimate should be quoted to the patient when the treatment plan is presented. Total number of visits expected and the payment plan should be explained to the patient for his consideration at this time.

**FEE SCHEDULE FOR PEDODONTIC GRADUATE CLINIC**

I. Diagnostic Service

1. New patients

   A. Preschool

      Oral Examination
      Bitewing Radiographs (plus maxillary and mandibular anterior occlusal radiographs)
      Oral Prophylaxis
      Topical Application of Acidulated Fluoride Phosphate Solution
      Saliva Specimen
      Food Diary for Seven (7) Days
      Tooth Brushing Instructions
      Study Casts
      Diagnosis
      Tooth Brushing Supervised Before Appointment $ 16.00

   B. Mixed Dentition (Elementary School Age and Up)

      Saliva Specimen
      Oral Prophylaxis
      Full Mouth Intraoral Periapical Radiograph
      Including "BW";
      12-16 films or more as needed
      Topical Application of Acidulated Fluoride Phosphate Solution
      Food Diary
      Tooth Brushing Instructions
      Study Casts
      Cephalometric Radiograph
      Diagnosis
      Tooth Brushing Supervised Before Appointment $ 24.00
2. Recall (Within 1 year of last appointment)
   - Bitewing Radiographs, two (2)
   - Oral Prophylaxis
   - Topical Application of Acidulated Fluoride Phosphate Solution
   - Tooth Brushing Instructions
   - Saliva Specimen
   - Food Diary for Three (3) Days
   - Diagnosis
   - Study Casts PRN
   - Tooth Brushing Supervised Before Appointment $ 10.00

II. Consultation Service (Dependent on workup) $5.00-25.00

III. Emergency Service

1. Oral Examination
   - Radiographs
   - Diagnosis
   - Treatment for Pain $ 5.00

2. Extraction
   - A. Permanent Tooth $ 4.00
   - B. Primary Tooth $ 3.00

3. Traumatized Teeth
   - Radiographs
   - Diagnosis
   - Temporary and Follow up 3-6 months $ 15.00
   - Additional Teeth $ 3.00 ea.

IV. Preventive Service

1. Oral Prophylaxis
   - Topical application of acidulated fluoride phosphate solution
   - Tooth brushing instructions $ 7.00

2. Food Diary for 3 days
   - Food Diary for 7 days
   - Saliva Specimen $ 5.00

V. Space Maintainers

1. Band and loop $ 18.00
2. Crown and loop $ 18.00
3. Lingual Arch $ 25.00
4. Bilateral Acrylic $ 25.00
5. Cast Gold $ 40.00 & up
6. Mouth Guard $ 20.00
VI. Restorative Procedures

1. Amalgam
   A. One Surface   $ 4.50
   B. Two Surface  $ 9.00
   C. Three Surface $13.00
   D. Maximum (any one tooth) $14.50

2. Steel Crowns   $ 14.00

3. Silicates, Plastics (one surface) $ 5.00

4. Fold Foil
   A. Class I      $10.00
   B. Pits         $ 5.00
   C. Class III    $15.00

5. Crowns and Bridges
   A. Ceramco Crowns $ 60.00
   B. Porcelain Jackets $ 50.00
   C. Acrylic Jackets $ 50.00
   D. Cast Gold Crown, 3/4 to full $45.00
   E. Acrylic Bonded to Gold Crowns $ 60.00
   F. Pontics Gold $ 30.00
   G. Pontics with Porcelain $ 45.00

VII. Dentition Guidance Service

1. Consultation
   A. Oral Habits          $ 10.00
   B. Cross Bite (tongue blade supervision) $ 10.00

2. Appliance Therapy
   A. Hawley with Active Section $ 30.00
   B. Sidlow                  $ 30.00
   C. Lip Bumper              $ 30.00
   D. Guideplane              $ 30.00
   E. Retainer: Hawley or other $ 25.00
   F. Cross Elastics          $ 25.00
   G. Space Regainer          $ 35.00
   H. Labial-Lingual Expansion, Porter, Arnold $ 50.00

3. Comprehensive through wired dentition
   A. Cervical anchorage and other appliance $160.00
   B. Guidance with holding appliance, diskings, extractions, etc. (no active appliance) $ 75.00

NOTE: Remake of lost appliance first time; 2/3 of initial cost
Remake of lost appliance second time; full fee.

VIII. X-Ray Survey

1. Bitewing Radiographs, two   $ 3.00
2. Bitewing Radiographs plus maxillary and mandibular anterior occlusal radiographs $ 4.00
3. Sweet (2 BW's, 2 Occl's, 4 PA's) $ 6.00
4. Full mouth intraoral periapical radiographs including "BW"; 12 to 16 films or more as needed $ 10.00
5. Panorex $ 10.00
6. Head Plate $ 10.00
7. Wrist Film $ 2.00

IX. Endodontic Service
1. Indirect pulp cap $ 5.50
2. Pulp cap $ 2.00
3. Pulpotomy $ 5.50
4. Root Canal Fillings:
   A. Single root $ 35.00
   B. Multiple root $ 50.00

X. Prosthetic Service
1. Obturators (excludes examination; includes maintenance for one year) $ 165.00
2. Full dentures (upper and lower) $ 75.00
3. Full dentures (upper or lower) $ 40.00
4. Partial with metal cast base—Lab fee plus $ 30.00

NOTE: Periodontic, Oral Surgery and Oral Pathology Services are not on this schedule. Fees will be set at time of consultation with the Department.

In response to a question during the Committee discussion, Dean Terkla said that it is becoming increasingly difficult to maintain fees at a level that will provide the incentive for patients to come to the Dental School. He said it would probably be necessary to consider with the Finance Committee and the Board the whole fee structure at the Dental School because he could foresee a number of very serious problems related to patient treatment as a result of continued escalation of fees.

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

The Committee on Academic Affairs, Personnel, and Public Affairs met for a regular meeting at 9:00 A.M., November 17, 1969, in Room 327, Michael J. Smith Memorial Center, Portland State University. The Committee considered the following matters:

1. Request of Oregon State University for authorization to offer a Ph.D. program in history of science.


The complete report of the Committee's meeting is presented in the document, Report of the Meeting of the Committee on Academic Affairs, November 17, 1969. This document is bound in a separate volume and is considered an integral part of these minutes.

The Board accepted the report as presented.

(Considered by the Board's Committee on Academic Affairs, Personnel, and Public Affairs, November 17, 1969.)

At the November 17 meeting of the Board's Committee on Academic Affairs, Dr. Romney and Dr. Joseph Okedara, research associate in the Office of Academic Affairs, presented a report entitled, A Report on the Programs for the Disadvantaged in the Oregon State System of Higher Education, dated November 17, 1969. The report is bound in a separate volume and is considered an integral part of these minutes.

The programs reported on were:

- Upward Bound (UO, OSU)
- High School Equivalency Program (UO)
- Three Percent Admissions Program (UO, OSU, PSU, SOC, OCE, EOC)
- Project BOOST (UO, OSU, PSU, SOC, OCE, EOC, OTI)

Disadvantaged or "high risk" students were defined as "those whose lack of money, low standardized test scores, erratic high school records and race/class/cultural characteristics, taken together, place them at a disadvantage in competition with the preponderant mass of students."

The barriers that stand in the way of the disadvantaged students were identified as:

- financial barriers
- geographic barriers
- motivational barriers
- academic barriers

The foregoing barriers are to be found in various combinations in Oregon, Dr. Romney reported, militating against many individuals' having effective access to post-secondary educational opportunities.
The programs for the disadvantaged in the State System institutions seek in varying degrees to assist a student to surmount the particular roadblocks that are to him a barrier to post-secondary education.

Dr. Romney noted that there is virtually no disagreement as to the importance of the fundamental values that these programs for the disadvantaged seek to serve. Such differences in view as exist tend, rather, to cluster around such broad questions as:

- Are the kinds of programs for the disadvantaged which the colleges and universities have established the most effective of the possible alternative mechanisms for serving the needs of the disadvantaged?
- What kinds of measures are appropriate to use in assessing the success of these programs?
- What kinds of qualifications must be borne in mind in assessing the success of the programs for the disadvantaged?

Dr. Romney then reviewed the historical and philosophical antecedents of the programs for the disadvantaged in the United States. He concluded this section of the report by noting that poverty and inadequate education are closely related in American life and that the racial and cultural minorities - Blacks, American Indians, Mexican Americans, Puerto Ricans - suffer disproportionately from both poverty and inadequate educational opportunities.

The mounting concern over the plight of these minorities, and of the disadvantaged generally, stems from the feeling that the fault lies not with the minorities but with society which has placed in their path what the U. S. Chamber of Commerce has referred to as "disproportionate economic and social obstacles" which continue to "deny them the opportunity to achieve their full potential in our society."

Thus, Dr. Romney noted, there are evidences in American life on every hand of a willingness to seek out the barriers that stand in the way of minorities and to clear them away. We see this not alone in the case of undergraduate education, but in professional education as well. And not alone in education, but in business and industry as well. He cited the efforts of major industries to recruit from the minorities of America people who would under normal situations be considered unemployable. Industry, he noted, has undertaken to provide these people with the kind of extra help and attention that they will require in order to become productive workers.

These efforts in education and in business and industry to remove barriers to opportunity for the disadvantaged can be justified on altruistic grounds, it was noted, but they can also be justified in terms of hard-headed economic theories, as the U. S. Chamber of Commerce has set forth in their report entitled The Disadvantaged Poor: Education and Employment, issued in 1966.
It was then emphasized that when the disadvantaged are defined as broadly as they are on the preceding page, it becomes clear that a wide range of post-secondary educational opportunities is necessary to their needs. For the disadvantaged, thus defined, will encompass young people of widely varying abilities, interests, and potentialities.

For some disadvantaged students only the most rigorous academic program at the post-secondary level, leading into graduate work or professional training at the post-baccalaureate level, will serve.

At the other end of the continuum, some disadvantaged students will find their needs best met in a formal two-year program in a vocational-technical field or in the liberal arts, or perhaps even by informal learning opportunities such as on-the-job or apprentice training.

In this wide variation in abilities and potentialities, the disadvantaged are not different from the general run of students among whom wide differences also exist. But it is important that given such variations in abilities, students make their choice of post-high school educational opportunities in terms of some rational assessment of their abilities and potentialities, rather than in terms of some supposed status to be bestowed by one program as against another, irrespective of the relevance of the program to the interests and abilities of the student.

The disadvantaged admitted to the State System institutions vary in the range and number of barriers faced in seeking a college education. Some are multiply disadvantaged. They find two or more barriers in their way—financial support, motivation, academic qualifications of the usual sort, or some other combination of barriers. Of all the barriers, however, it is the academic and financial barriers that are most commonly a hindrance to these young people. It is perhaps the academic barrier and the ways of overcoming it that have occasioned the most discussion.

A question sometimes asked concerning the admission to State System institutions of academically disadvantaged students who cannot meet the institutional admissions requirements is this:

"Given the relatively modest character of the academic admission requirements of State System institutions, is a student who cannot meet them likely to have the verbal and academic qualifications that will permit him to benefit from the programs available?"

The response given is that the admission requirements are phrased in the traditional terms and seek to measure achievement of students under conditions that in many instances were, for the disadvantaged students, inimical to effective study, and that by wise selection of students and effective assistance to them, these students can succeed at the collegiate level in the kinds of programs offered in the State System; that to deny them an opportunity to try is to ascribe to our admission measures a validity that they do not have.
A second question sometimes asked is this:

"Are there other educational institutions or agencies better equipped to satisfy the post-secondary school needs of those students who cannot meet the modest threshold admissions requirements of the State System institutions?"

This second question is raised by some out of a concern as to whether the minimizing of scholastic aptitude and ability, as traditionally measured, as a basis for admission, may work an adverse change in the character of the four-year institutions. Universities cannot remain universities, they argue, if they must now take on the responsibility of educating large segments of the population incapable of meeting what are, by any measure, modestly selective admissions requirements such as the State System institutions have.

Those who raise this question appeal to the validity of the concept of differentiation of function among educational institutions in Oregon. There must be, they argue, a diversity of function among educational institutions within the state if the diverse needs of Oregon's population are to be adequately served. And there can be true excellence in our institutions, they assert, only to the degree that this diversity of function is maintained and the unique character of each type institution is reflected in its admission requirements and its programs.

It is not that those who raise this question are opposed to seeing post-high school educational opportunities made available to the disadvantaged. It is only that they question whether those individuals who cannot meet the modest admission standards characteristic of the State System institutions can be more effectively served in the community colleges.

Dr. Romney noted that the community colleges are indeed uniquely flexible institutions in that they have extensive vocational-technical programs, a wide range of adult education programs, the traditional college transfer programs leading into transfer into four-year institutions for those desiring a baccalaureate degree or more, and extensive counseling resources designed to deal with the great diversity of student needs encountered in an "open door" institution like the community college. However, he observed, the four-year institutions tend to be seen by disadvantaged students as the gateway to maximum upward mobility which is their goal and that they therefore look with suspicion upon efforts to "shunt" them into community colleges, even when it can be demonstrated that the college transfer program in the community colleges can lead on into baccalaureate programs at the four-year institutions without loss of time.
The kinds of responses that are given to the question "why not the community colleges?" are these:

1. The community colleges lack dormitory facilities, hence, there is no way for the community colleges to lift the disadvantaged student out of the environment and background out of which he comes, which has generally been considered to be a principal cause for his poor academic record.

2. Refusal to admit academically disadvantaged students into the four-year institutions would be seen as a lack of concern on the part of the institutions in the problems of the academically disadvantaged.

3. There are many faculty and students in the four-year institution who feel that the four-year institutions need a student mix which includes the academically disadvantaged in order to provide a realistic, challenging learning environment for the student body.

4. The problems posed by the academically disadvantaged, particularly among the minority ethnic groups of America, is of such national significance that the four-year colleges and universities simply cannot ignore it, it is urged. The present competition for young people from the ethnic minorities who can meet the traditional admission requirements of four-year institutions is brisk indeed. There are an insufficient number of such students to satisfy the demand.

5. The fear that the admission of academically disadvantaged into the four-year colleges and universities will impair the standards of these institutions is not shared by all who are acquainted with these programs as they have developed across the country. To the present it appears that colleges are trying to provide flexibility at the expense of their admission requirements, but not in their graduation requirements. As one student of these programs puts it "... concessions are made to get "different" students in, but not to let them out."

At this point, Dr. Romney noted that the data presented in the report relating to the experience of the State System institutions with programs for the disadvantaged describe student achievement in terms of the number of credit hours earned toward graduation and the average grade point average achieved. He said that these measures have limitations, but that they were used nonetheless because there were available no better measures. Moreover, he noted, this is the measure traditionally used by colleges and universities as the basis for expressing student achievement and the institution's retention standards.

But, he emphasized, the Board's Office would hope that the Board would not draw hasty conclusions from the data. Experimentation takes time, he observed - and patience. And usually some false starts. And the present programs are barely underway. All of the institutions, he
noted, have plans for improving their programs for the disadvantaged and expect to improve their bases of selection of the students, and to provide the students admitted with more of the special kinds of help they require.

Recommended Action

The Board's Office recommended that the Board's Committee on Academic Affairs recommend that the Board encourage the institutions to continue their experimentation with programs for the disadvantaged, including the three percent admissions program authorized by the Board effective in 1968-69, Upward Bound, High School Equivalency Program, and BOOST.

But in continuing this experimentation the institutions should recognize that they take on two very important obligations:

. The obligation to provide the disadvantaged student (particularly the academically disadvantaged) the kinds of special help (i.e., remedial programs where needed, tutorial help, special counseling and the like) that are essential to his having the fullest possible opportunity to succeed. To bring academically disadvantaged students to campus without such special assistance is indefensible. As one student of these programs nationally has noted, "It appears that most institutions take pride in treating all students just alike, which is tantamount to abdicating their responsibility to these students with special needs."

This is a matter that needs earnest institutional attention.

. The obligation to establish a systematic and orderly basis for evaluating institutional experience with disadvantaged students and for improving the quality of the program. Among the more obvious aspects of such an evaluation would be:

- An evaluation of the criteria and procedures for selecting the disadvantaged students to be admitted to the institution.

- An evaluation of the efficacy of the total environment which is to be offered these students, and consideration as to whether a congenial environment can be provided.

- As one student of these programs said, on the basis of responses from 53 New York colleges and universities having programs for the disadvantaged, the lack of involvement of the larger university community was one of the most serious limitations.

- An evaluation of the extent, range, and efficacy of the special services provided the disadvantaged youth, particularly the academically disadvantaged.

- An evaluation of the measures by which the programs for disadvantaged can be effectively evaluated.
An evaluation of the avenues by which financial support may be provided without an unnecessarily severe impact on the maintenance of a total program of student financial aid for the widely varying kinds of students found on our campuses.

The establishment of the mechanism for providing the kind of evaluation needed will require the investment of substantive financial and manpower resources. But nothing less will permit the sort of institutional stewardship that the development and continuing improvement of these programs will require.

These evaluative reports by the institutions should provide the Board's Office with the necessary information in terms of which the Board could be kept informed of the status of these programs and institutional progress with them.

Discussion by the Committee

The Committee heard presentations from Mr. Jose' de la Isla, head of the HEP program at the University of Oregon; Mr. Charles Hollins and Mr. James Hill, codirectors of Upward Bound, UO; Mr. John Holloway, executive assistant, office of minority relations, UO; and Mr. Robert Lutz, director of BOOST. These presentations, and comments of President Clark and members of the committee are reported in detail in the minutes of the meeting.

Representatives of the University of Oregon programs emphasized the need for state support, as a part of the regular budget, for costs of the special services required by disadvantaged students if they were to have hope of overcoming their handicaps to the extent necessary to make it possible for them to be successful in a college program. They noted that the programs to date have been financed almost entirely by the federal government, with some foundation support. HEP and Upward Bound programs provide no funds to provide special tutoring and other special services to assist graduates of these programs during their first few terms in college, nor are there funds to provide special tutorial and related assistance for students admitted under the three percent authorization. It was pointed out that while the programs have attracted a great deal of volunteer help, this help is not always available when and where it is needed most.

Mrs. Johnson observed that there is always a problem of working a new program into a budget that is made up two years in advance, because it is difficult to shift funds already budgeted from one program to another. She said she would assume that, since the institutions have expressed the desire to continue and to improve the programs for the disadvantaged, they will begin to build some state funds into the support of these programs through normal budgeting channels.
Committee Recommendation to the Board

The Committee agreed by unanimous vote to recommend to the Board that the Board encourage the institutions to move ahead with experimentation with programs for the disadvantaged and that they be supported in this effort.

Board Discussion

Mrs. Johnson emphasized that it was very important to the Board, if it approved the recommendation of the Committee that the institutions be encouraged to continue experimentation with programs for the disadvantaged, include in its action reference to the obligations of the institutions as outlined on pages 922 and 923 of these minutes which may be summarized as: (1) to provide special assistance to the academically disadvantaged student brought to the campus in the form of tutoring, remedial programs, special counseling, and the like so that he has some hope of succeeding, and (2) to provide a systematic and orderly basis for evaluating institutional experience with disadvantaged students and for providing for improving the quality of the program. She said budgeting was a very important part of carrying out these obligations and she would assume that the Board would be before the legislature with specific budget requests. Mrs. Johnson thereupon moved that the Board approve the recommendation as underscored above.

Mr. Corey suggested that arrangements be made for the Board to visit the facilities for the programs for the disadvantaged when it is on the University of Oregon campus in April. Mr. Layman said he was sure the Board's staff would be pleased to make the necessary arrangements. Mrs. Johnson said she hoped the Academic Affairs Committee could visit facilities for these programs on the other campuses, also.

Mr. Payne emphasized that giving aid to the disadvantaged in American society is widely heralded as the thing to do, and society ought to be doing more for the disadvantaged than it is doing, he said. He stressed the need for the institutions to insure that their programs for the disadvantaged are sound, solid programs which truly serve the needs of the disadvantaged student and not mere rhetoric or window dressing. He said that he was emphasizing what Mrs. Johnson had stressed in her reference to the need for periodic evaluation of these programs to insure their effectiveness.

Chancellor Lieuallen said the action of the Board had implications not only for budget requests to the 1971 Legislature, but also implied a possible reordering of priorities by the institutions in budgeting for the second year of the current biennium. He asked if any of the institutional executives wished to comment on this implied directive.
President Clark said action of the Board placed obligations on the institutions for next year which, considering the difficulties of the present year, seemed very difficult to meet. He said a most useful source of help was the federal work-study program which required state matching funds, and asked if it were possible for the Board — or the Emergency Board — out of their limited funds to get some money to make it possible to get more work-study funds and thus put the programs for the disadvantaged on a more solid foundation during the coming year.

President Wolfe said he felt Oregon could avoid problems of the east and south in respect to black education only if the State System took a giant step forward towards supporting the efforts of the institutions in this area. He said at Portland State University, without foundation money, the efforts of the institutions in these areas were modest indeed and coming entirely out of the institutional budget. He said his concern was that given present budgetary problems, without additional help Portland State University would be faced with cuts, not expansion, of programs during the 1970-71 year.

President Rice commented that there is only so much space, and there is only so much time, and in the world of the Board and the institutions there is only so much money. This means, he said, that unless the institutions are willing to give up some of the things they are now doing with their space and money and time, they will go right on looking to the Board and the legislature to resolve their problems. He said it was right, of course, that the legislature should face the problem of the disadvantaged. But, he said, he believed implication of the Board’s action was that the institutions must rearrange their priorities. Some of this is being done — the faculty redistributes its time to help the underprivileged people it has not helped before, the institutions assign space for which they have good use elsewhere to these programs, the financial aid program shifts in order to help those admitted under the three percent authorization. All this shifting of priorities involves sacrifices, he said, but these are sacrifices the institutions and society owe the underprivileged in these times.

President Young expressed support for the preceding speakers. However, he said basic to planning a sound program was a modest amount of state money for basic administrative support.

President Sours, noting that institutions rely heavily on work-study funds, said next year would be even more difficult in respect to use of these funds for tutorial services and other on-campus activities because more students would have to be placed in off-campus agencies in order to meet requirements for continuation of the current level of federal contribution. More matching funds will be needed just to keep the present funds for support of the disadvantaged programs.
President Rempel said he agreed with President Rice that a rearrangement of priorities was called for. He said many of these programs are started as federally funded projects, but to continue the programs as a part of the institution they must become a part of the budgetary process, with state and institutional commitment. He said he was pleased with the recognition of this in the Board's report, and felt institutional commitment should be written into the budgets, particularly those for the next biennium.

Board Action

The Board approved the recommendation of the Academic Affairs Committee that the Board encourage the institutions to move ahead with experimentation with programs for the disadvantaged and that they be supported in this effort. The Board also voted to recognize the "obligations" listed on pages 922-923 of these minutes.

Confirmation of Institutional Degree Lists

In accordance with Board regulations, Mr. George H. Corey represented the Board at the 1969 Summer Commencement exercises of the University of Oregon and acted for the Board in approving candidates for degrees and diplomas. The signed copies of the list of approved candidates are on file in the Board's Office.

The Board confirmed the action of Mr. Corey in approving the degree lists.

Space Utilization Objectives & Standards Recommended for Campus & Building Planning

(Considered by Building Committee, November 17, 1969.)

At the July 1960, meeting, the Board adopted space utilization objectives to be used in developing recommended requests for state appropriations for additional classroom and laboratory instructional facilities.

At the June 12, 1962, meeting, the Board adopted building standards for use in planning classrooms, laboratories, faculty offices, administrative offices, dormitories and other building areas.

During the past year, in consultation with institutional representatives, members of the Board's staff have been developing a more complete system for projecting requirements of certain spaces (classroom and laboratory student stations, offices, libraries, physical education, etc.). At the same time, the Board's Office conducted a national survey of standards and objectives that were used by various state agencies, coordinating councils and state systems in the development of their capital outlay program. Results of the survey formed a basis for developing new standards that institutions in the State System could use.

The recommended building planning standards and space use objectives would be incorporated into a planning notebook which would be used by the institutions and the Board's Office in formulating and implementing the capital outlay programs. A draft copy of
Chapter VIII - Standards - is included as background material by the Board and its Committee on Buildings and Other Physical Facilities. Institutional executives and their staffs have reviewed the draft copy of Chapter VIII - Standards at a meeting on November 16, 1969. Modifications agreed upon at that meeting have been incorporated in Supplement A to this docket.

The Chancellor recommended the adoption of proposed space utilization objectives and standards for campus and building planning and further recommended that they be used in the formulation and implementation of the Board's 1971-1977 capital construction program. The proposed space utilization objectives and standards are shown in detail in Supplement A.

During the Committee discussion, Mr. Hunderup said that the institutional executives were concerned that the standards and planning guidelines be sufficiently flexible to permit some deviation from the standards if there are good reasons for such exceptions. He indicated that normally the Board's Office would be aware of the need for variations from the standards very early in the planning of a project. He commented also that the goal was to reach maximum efficient use of the available spaces.

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

During the Board discussion, it was emphasized that the space utilization objectives and standards should be flexible. It was indicated that higher utilization standards would probably be used for planning than the minimum level stated in the report. Board members indicated that information concerning space utilization was very valuable not only for State System planning but also for comparison with similar data which may be reported in nationwide averages.

The Board approved the recommendations as presented.

Allocations for
Physical Plant
Rehabilitation
and Minor
Capital Outlay

(Considered by Building Committee, November 17, 1969.)

On October 27, 1969, the Board was advised that the unexpended balance in the Board's reserve for plant rehabilitation and minor capital outlay during the current fiscal year was $342,794.98. Of this amount, approximately $100,000 has been reserved for the interim financing of alterations to Semon Hall for dental hygiene clinic facilities at Oregon Technical Institute with the understanding that such funds would be returned to the Board's reserve either from federal grants or from the appropriation which the 1969 Legislature made to the State Emergency Board for this purpose.

Although the institutions have needs totaling several hundreds of thousands of dollars for various repair, remodeling and improvement projects, it is possible to finance only a small portion thereof within the limited resources available.
The Chancellor recommended that the following items be financed from the current balances in the Board's reserve for plant rehabilitation and minor capital outlay with the understanding that the allocations shall not exceed the amount indicated for each item unless prior approval is obtained from the Board:

### Eastern Oregon College

1. Repair of roof of Physical Education Building $2,300
2. Renovation of restrooms on first floor of Administration Building 2,600
3. Modifications to heating control system in Ackerman Laboratory School building 1,800

### Oregon College of Education

1. Alterations to basement area of Campbell Hall for art laboratories 4,200
2. Modifications to steam service, electrical panels and wiring in the mechanical room of the campus elementary school 1,800
3. Modernization of restrooms and improvements to cafeteria lighting in campus elementary school 2,500

### Oregon State University

1. Alterations to auditorium in Home Economics Building to improve heating, ventilation and acoustics 9,000
2. Installation of buried conduit for additional telephone cables from Centrex equipment in the Coliseum to the utility tunnel on Jefferson Street 10,600
3. Rehabilitation of portions of the Industrial Building, including modifications to the heating, ventilating and electrical systems 13,700
4. Sidewalk expansion and repairs 5,500
5. Replacement of waterlines to serve several campus buildings between Monroe and Jefferson Streets east of 26th Avenue 7,500
6. Alterations within Rooms 200 and 200A of men's gymnasium to provide additional faculty offices and improve a teaching laboratory 11,000
Southern Oregon College

1. Widening Mountain Avenue, along the east side, for a distance of approximately 600 feet southerly from Siskiyou Boulevard $17,000

2. Participation in cost of installation of a stop light at intersection of Mountain Avenue and Siskiyou Boulevard in cooperation with the Oregon State Highway Department. (This item and the one immediately preceding relate to arrangements being made with officials of the City of Ashland for the vacation of certain streets within the western portion of the campus needed for construction of projects authorized by the 1969 Legislature and contemplated for the future.) 5,000

3. Improvements to ventilation system of Taylor Hall (Social Science Building) 5,000

4. Improvement in ventilation system in offices and small gymnasium within the Physical Education Building 5,000

University of Oregon

1. Repair of turbine generator No. 2 in Central Heating and Power Plant 10,000

2. Repair of fire box brickwork on boilers 1, 2 and 3 in Central Heating and Power Plant 7,500

3. Installation of automatic ash removal system and repair of boiler No. 4 in Central Heating and Power Plant 15,000

4. Rehabilitation of former residences at 1761 and 1791 Alder Street for use by ROTC. (Present facilities for ROTC must be vacated by June 1, 1970, or earlier, for clearing the site of the proposed behavioral science and College of Education facilities authorized by the 1969 Legislature.) $21,135

5. Repairs to primary electrical power distribution system 6,000

University of Oregon Dental School

1. Alterations to administrative offices on sixth floor of Dental School Building 9,750
2. Improvements to Prosthetics Clinic area
   (Rooms 134, 136 and 138 of Dental School
   Building) $2,940

University of Oregon Medical School

1. Installation of new small incinerator unit in Mackenzie Hall 6,000

2. Portion of cost of alteration and renovation of area within Clinical Laboratory Building for student health services. (Remainder of total estimated project cost of $15,500 to be financed from commingled student building fees.) 7,750

Portland State University

1. Installation of spring floor in dance studio with Physical Education Building 5,200

2. Refinishing of roof deck on Physical Education Building 12,443

3. Alterations on ground floor of former Library-East for central information center 6,000

4. Installation of additional oil storage capacity for east central heating plant in Cramer Hall 5,000

5. Installation of natural gas supply from Hall Street to east central heating plant in Cramer Hall. (Remainder of total project cost estimate of $29,000 to be financed from physical plant operations and from construction budget for Cramer Hall additions.) 20,000

Oregon Technical Institute

1. Installation of alarm system for sump pump operations in Radioisotopes Laboratory in Cornett Hall 700

2. Construction of access ramps to classroom and laboratory buildings 2,500

Total $242,418

In response to a question during the Committee discussion, Mr. Hunderup said that the widening of Mountain Avenue at Southern Oregon College would satisfy the City of Ashland for the present regarding parking and peripheral roads and access and that the city officials have indicated a willingness to vacate those streets needed for the music and education buildings and the college union.
The Building Committee recommended that the Board approve the recommendation as presented.

The Board approved the recommendation as presented.

Condition of Board's Unappropriated Fund and Special Reserves

Estimated as of December 10, 1969

For the Fiscal Year Ending June 30, 1970

I. Board's Unappropriated Fund

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<tr>
<td>Balance reported on October 27, 1969</td>
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<tr>
<td>Less: Docket item to provide for cost of hot water well repairs at Oregon Technical Institute</td>
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<td>Docket item for supplement to expenditure authorization for the presidential search committee at Oregon State University</td>
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II. Board's Reserve for Rehabilitation Projects

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<td>Less: Docket item to allocate funds for physical plant rehabilitation and minor capital outlay projects at the nine campus institutions</td>
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<td>Balance estimated as of December 10, 1969, if the above item is approved</td>
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The Board approved the report as presented.
Operating and Biennial Budget Procedure and Format

(Considered by Finance Committee, November 17 and December 9, 1969.)

As the Office of Administration moves into the preparation of the operating budget for 1970-71 and the preparation of the biennial budget request for 1971-1973, there are opportunities for improvement. Some of these were suggested by the Ways and Means Committee of the 1969 Legislature.

On November 16, this subject was discussed by the Institutional Executives. On November 18, the budget officers of the institutions have been requested by the Budget Director to spend the day discussing possible improvements of budget procedures and budget format.

Board members have an equally vital interest in these matters. It seems appropriate to request the members of the Committee to discuss the subject informally.

Key issues may be:

1. The use of "quotas," "ratios," and "base budgets."

2. The roles of schools and departments in budget preparation.


4. Budgeting of gift and grant expenditures.

5. Auxiliary enterprise budgeting.

At the request of Mr. Freeman Holmer, the Finance Committee agreed to defer consideration of the operating budget procedure and format and to consider it at a meeting of the Finance Committee to be held following the special Board meeting on December 9, 1969.

The operating and biennial budget procedure was discussed by Vice Chancellor Holmer with the Finance Committee of the Board at its meeting on December 9, 1969. The members of the Finance Committee asked Mr. Holmer to present a further report on this subject to the Finance Committee at its meeting scheduled for January 5, 1970, and at subsequent meetings of the Finance Committee which will be considering the formulation and the preparation of the 1971-1973 biennial budget request. No Board Action was required at this time.
Incidental Fees, Recommended Policies & Procedures

(Considered by Finance Committee, November 17, 1969.)

The Board's Committee on Finance and Business Affairs on November 17, 1969, again considered the report of the special Interinstitutional Committee on Incidental Fees, which had previously been presented to Board members on October 3, 1969, and October 27, 1969. The recommendations from the special committee as shown in the agenda of the Finance Committee meeting on November 17, 1969, are as follows:

Recommendations from the Report of the Interinstitutional Committee on Incidental Fees

At the Board meeting on October 27, 1969, Mr. Lewis distributed copies of the "Report of the Interinstitutional Committee on Incidental Fees" to the Board members and others present and then summarized the contents of the report. He referred especially to the proposals drafted by the committee and the rationale leading to the formulation of each of the following five points included in the proposals:

A. That each institutional executive with the assistance of elected student representatives be requested to formulate the policies and procedures to be used on his campus in the budgeting of incidental fee monies and to submit these to the Oregon State Board of Higher Education for its approval.

Rationale. Recognizing that institutional differences do exist, the Committee believes that the Board policy in handling these funds should be stated in general terms as contained within the basic assumptions and within this proposal and that each institution be requested to draft policies and procedures that it will follow within that framework.

B. That students, through their elected representatives, participate in a meaningful way in the institutional determination of the budgeting of incidental fee monies.

By "meaningful participation," the Committee means that institutional executives shall receive and give weight to student recommendations in budgeting for all activities funded in whole or in part by the incidental fee. With respect to budget customarily included in the area of educational activities and student programs in College Unions, predominant weight shall be given to student recommendations.

Throughout this document, with respect to all activities funded in whole or in part by the incidental fee, the word "budget" is used to mean policy determination, program definition and budget formulation.

Rationale. The incidental fees were established to operate programs incidental to the academic and instructional program but, nevertheless, important ones that complement and supplement the work of the classroom and the life of the student.
It is important that students have an opportunity to participate in these supplemental programs both in being able to give expression to the kinds of needs that exist and to establish appropriate priorities within the limitation of funds available.

It is also true that a very meaningful educational experience can be had by involving students in development of programs and assisting in the direction of the financial resources of the institution. Where there is direct involvement in the distribution of the resources and an analysis of the program to be served as is the case in participating in matters relating to the incidental fee, it appears that there may be even greater opportunity for a learning situation to occur.

C. That institutional policies and procedures should be submitted to the Board for approval so that they may be effective for budget preparation no later than the 1970-71 academic year.

Rationale. Time may not permit the development of a policy and procedure statement on the individual campuses and the subsequent approval of the Oregon State Board of Higher Education earlier than the 1970-71 school year.

D. That the Oregon State Board of Higher Education be receptive to plans that may be unusual or innovative in an effort to obtain additional funds for use in the Educational Activities programs.

Rationale. Since it is proposed that predominant weight be given to student recommendations in the budgeting of those funds designated under student programming in College Unions and Educational Activities, and since it is here that students will have the greatest opportunity to be innovative in the programs they adopt, it would be helpful if additional resources could be made available. Since it has been the committee's assumption that the Oregon State Board of Higher Education does not wish to increase charges to students, it will be necessary to search out new sources of financial help.

E. That the Oregon State Board of Higher Education consider moving the source of funding of Gym Suit Service and Health Service from the incidental fee to tuition and the general fund.

Rationale. Because physical education is an integral part of the instructional program at institutions of higher education in Oregon and because this activity creates the major use of the gym suit service activity, it would be recommended that the portion of these funds now being assigned to this activity become a part of the tuition collected from students and correspondingly additional funds made available to institutions as a part of their Instructional Budgets.
Health Service is an important aspect of the total student life on the campus and there may be a responsibility on the part of the Board of Higher Education and the State of Oregon to participate in this cost. In addition, there are services to the Health Program not now provided that should be considered by the Oregon State Board of Higher Education.

It is assumed that even though services may be moved from the category of incidental fees, this would not lessen the participation of students in handling of these budgets.

Pursuant to the direction of the Finance Committee, the report of the interinstitutional committee was forwarded to the heads of the several institutions and their student government organizations with a request for their review, comment and recommendations.

Vice Chancellor Holmer reported to the Finance Committee that a number of responses had been received to the inquiry referred to above, most of them generally supportive of the concept of the report, with no essentially negative comment.

Chancellor Luckall commended the interinstitutional committee for the major service it had performed and indicated that he believed the committee recommendations for student participation in the planning and financing of student activity programs from incidental fees really reaffirm what has been previously practiced in the institutions. He said also that he believed that the report can, in the main, be translated into appropriate Board policy. He stated that he had a few reservations about some of the language and some of the assumptions in the report. One of the reservations he expressed was that, in the event the Board should decide, for example, to move the gym suit service into the instruction budget to be supported from general funds, students probably would not, as implied in the report, have a major part in the determination of the operating policy and procedure connected with the activity. If the change referred to above were made, both the resources and the expenditures for the gym suit service would be moved out of the activities financed from incidental fees into the instruction budget to be administered by the president and staff of the institution.

The Chancellor said he thought the Finance Committee of the Board might wish to have the Board’s Office directed to draft the kind of a policy statement which could be incorporated in the Board’s Administrative Code, and which, if approved by the Board, would serve as a guide to all of the institutions in planning, budgeting and operation of activities to be financed from incidental fees.

Mr. Holmes also complimented the interinstitutional committee on its report and said that he was in favor of several of the principles and recommendations expressed in the report. He said he thought it would be of assistance to the Chancellor’s Office if the Board Finance Committee members and other Board members would express any reservations or thoughts they have regarding the interinstitutional report.
He indicated that he agreed with the Chancellor's statement that most of the institutions have previously been following in general the recommendations in the report for student participation in planning. He said he felt it was important when elected representatives of the students make recommendations to the president of the institution that the recommendations fairly reflect student opinion. He said he felt that other segments of the institution might well be represented in the groups which advise the presidents regarding the financing and planning of student activities -- such as directors of athletics and persons representing other activities financed from incidental fees. He said he would be receptive to anybody who comes up with a plan for more money and that he would favor giving such plans careful consideration.

Mrs. Johnson said she thought it important to include in the proposed statement to be placed in the Administrative Code a clear delegation to institutional presidents of responsibilities in connection with the planning and financing of activities to be financed from student fees, and that there be no diminishing of the institutional head's responsibilities nor his flexibility in dealing with the kinds of problems he has to meet -- within the Board's general policies.

Mr. Joss and Mrs. Johnson said also that they thought that any added courses for credit which might be recommended by students to be financed from incidental fees should be approved by the faculty, the president, the Academic Affairs Committee, and the Board before being offered by the institutions.

Mr. Corey indicated that he agreed generally with the comments of the other Board members; also that he would favor including in the section to be drafted for the Administrative Code only items defining policies and procedures, omitting paragraphs in the interinstitutional committee report dealing with the rationale.

Chairman Holloway of the Board's Finance Committee also commended the interinstitutional committee members for their effective work and said that he agreed with the comments and suggestions from Board members. He said also that he believed the Administrative Code section to be drafted by the Board's Office should take into consideration the points made by the Board members who had commented regarding the committee's report.

Mr. Holmes moved that the Finance Committee of the Board accept the report of the interinstitutional committee on incidental fees and commend the committee for its work in presenting the report, and that the Finance Committee ask the Chancellor's Office to draft a statement (designed to be included in the Administrative Code) that reflects the report together with the observations that Board members have made and that the statement be presented to the Board at its meeting to be held on December 10, 1969.

The Finance Committee approved the motion. Mr. Payne abstained.
During the Board discussion, the Chancellor said that he had been advised by the Board's attorney, Mr. Raymond P. Underwood, that the suit which has been brought against the Board by the Associated Students of the University of Oregon is still under consideration in the courts. The Chancellor said that Mr. Underwood had indicated that in his judgment the position of the Board on this dispute could be jeopardized to some extent if the Board were to take official action at this time modifying the policies which it has employed in terms of handling, distributing, budgeting and managing the incidental fees.

The Chancellor recommended that any action on the incidental fees be postponed until after the suit against the Board has been resolved. It was indicated that the case would probably be heard within the next few months.

President Clark requested that the institutional executives have an opportunity for further study of the report of the Interinstitutional Committee on Student Incidental Fees and the summation of the Board's Office pertaining to a policy statement concerning incidental fees.

On motion by Mr. Holloway, the Board voted to defer action on the recommended policies and procedures and the three related agenda items which immediately follow, pending a determination of the court action. Mr. Payne abstained from voting.

In connection with the consideration of policies and procedures to be followed in the administration of activities financed from student incidental fees, the Chancellor recommended that effective July 1, 1971, the activity known as Gym Suit Service be transferred from Auxiliary Activities to Instruction, Related Research and General Services, to be financed from the Board's general unrestricted fund resources instead of from student incidental fees; also that the resources previously budgeted for Gym Suit Service be included in the unrestricted laboratory and course fee collected from students.

Note: Under this arrangement there would be no change in the total fees paid by students, but the portion assigned to incidental fees would be adjusted downward by the amount previously budgeted for gym suit service.

The Board voted to defer action pending determination of the court action relating to incidental fees. Mr. Payne abstained from voting.

ORS 351.070 (1) The State Board of Higher Education may, for each institution under its control:

(c) Prescribe a fee for admission into such institutions, to be applied to the payment of incidental expenses, the rate of tuition for instruction therein, and such other fees deemed necessary or advantageous for the cultural and physical development of the students.
Pursuant to the request from the Board's Committee on Finance and Business Affairs, the Chancellor presented for consideration and adoption by the Board a statement of policies and procedures related to planning, budgeting and administration of activities financed from student incidental fees. The recommended statement of policies and procedures, designed to be included in Section D of the Administrative Code is as follows:

1. The "incidental fees" collected from students and used for support of Gym Suit Service, Health Service, Athletic Activities, College Union and Educational Activities shall be administered by the several institutions in accord with the following principles:

a. Each institutional executives, with the assistance of elected student representatives and other members of the academic community shall formulate the policies and procedures to be followed at his institution in budgeting the expenditure of incidental fees. The policies and procedures so developed shall require students' participation in a meaningful way and shall become effective on approval by the Oregon State Board of Higher Education.

b. With respect to educational activities and other student programs in college unions, the policies and procedures shall be designed to give predominant weight to student recommendations.

c. Recommendations for modification of traditionally funded programs should be supported by evidence of a clear mandate of students.

2. The executive officer of each institution shall make the decision as to the recommended budgeting of available resources from student incidental fees among the activities to be financed from those resources. The executive officer shall then recommend in his proposed institutional budget to be presented to the Board through the Chancellor the distribution of funds to the various activities referred to above. In formulating the plans for budgeting of incidental fee resources, the president and his staff are to meet with and be assisted by the appropriate student representatives authorized by the student government organization to represent the student body.

The Board voted to defer action pending determination of the court action relating to incidental fees.
The current salary scale for the academic staff was adopted to become effective July 1, 1967. It has been rendered obsolete by the salary adjustments made during three fiscal years since that time.

Although the adopted ranges and steps are not mandatory, they serve as a useful guide for institutional executives in the administration of a consistent salary policy. Continued use of the 1967 salary scale will multiply the number of exceptions that will be required in recruiting and retaining academic staff.

Further, because the salary scale is used by institutional executives in recruiting new staff, a salary scale that does not reflect adjustments authorized by the 1969 Legislature is less helpful than it could be.

Attached are copies of a proposed revised scale (prepared in the Office of Institutional Research) and of the current scale. It should be emphasized that the revised scale proposes moving the scale upward by three steps. Individual adjustments, however, are normally at one step per year.

Issues the Committee may wish to consider are:

1. The possible requirement that payments within a particular range be at the standard step.

2. Reduction in the number of different dollar figures in the scale.

3. Require that payments below or above the scale be clearly identified in salary adjustment materials submitted for Board approval.

4. Relationship between salary scales for 9-month and 12-month staff members.

The Chancellor recommended that the revised scale be adopted by the Board as a guide in academic salary administration by institutional executives. The revised scale appears on the following pages:
OREGON STATE SYSTEM OF HIGHER EDUCATION

Suggested Salary Scale for Academic Staff Effective for Year 1970-71

Basis: First step is equal to fourth step on current scale with increments thereafter at 5 percent of prior step. (Increments are adjusted to secure divisibility by 18 for 9 months staff and by 12 for 12 months staff.) The difference between salary scales for 9 months and 12 months term of service is approximately 22.2 percent.

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<th>Rank</th>
<th>Number of Months per Year</th>
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<th>2nd Step</th>
<th>3rd Step</th>
<th>4th Step</th>
<th>5th Step</th>
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<td>Prof.</td>
<td>9 mos.</td>
<td>13,554</td>
<td>14,238</td>
<td>14,940</td>
<td>15,696</td>
<td>16,470</td>
<td>17,298</td>
<td>18,162</td>
<td>19,080</td>
<td>20,034</td>
<td>21,024</td>
</tr>
<tr>
<td></td>
<td>12 mos.</td>
<td>16,560</td>
<td>17,400</td>
<td>18,264</td>
<td>19,176</td>
<td>20,136</td>
<td>21,144</td>
<td>22,200</td>
<td>23,154</td>
<td>24,480</td>
<td>25,704</td>
</tr>
<tr>
<td></td>
<td>(19,197)</td>
<td>(20,349)</td>
<td>(19,197)</td>
<td>(20,349)</td>
<td>(19,197)</td>
<td>(20,349)</td>
<td>(19,197)</td>
<td>(20,349)</td>
<td>(19,197)</td>
<td>(20,349)</td>
<td>(19,197)</td>
</tr>
<tr>
<td>Dean</td>
<td>12 mos.</td>
<td>20,148</td>
<td>21,156</td>
<td>22,212</td>
<td>23,328</td>
<td>24,492</td>
<td>25,716</td>
<td>27,000</td>
<td>28,356</td>
<td>29,772</td>
<td>31,620</td>
</tr>
</tbody>
</table>

Note: The averages inserted in parentheses represent the current salary averages for year 1969-70 and the projected averages (6% increase) for year 1970-71 in seven institutions, not including Medical and Dental Schools.

In accordance with the Administrative Code provision approved by the Board at the time the original salary scale was adopted in July 1956, appointments may be made at salary rates below the indicated first steps and above-scale salary rates are to be permitted for a few outstanding staff members in each of the academic ranks.

Office of Institutional Research
October 1969
OREGON STATE SYSTEM OF HIGHER EDUCATION

Salary Scale for Academic Staff Effective for Years 1967-68 and 1968-69
Approved by Institutional Executives March 12, 1967
Approved by Board of Higher Education July 24, 1967

Basis: First step is approximately equal to third step on current scale with increments thereafter at 5% of prior step. (Increments are adjusted to secure divisibility by 12.) The difference between salary scales for 9 months and 12 months term of service is approximately 22%.

<table>
<thead>
<tr>
<th>Number of Months</th>
<th>1st Step</th>
<th>2nd Step</th>
<th>3rd Step</th>
<th>4th Step</th>
<th>5th Step</th>
<th>6th Step</th>
<th>7th Step</th>
<th>8th Step (8,447)</th>
<th>9th Step (10,745)</th>
<th>10th Step (10,910)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service per Year</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instr. 9 mos.</td>
<td>$ 6,000</td>
<td>$ 6,300</td>
<td>$ 6,612</td>
<td>$ 6,948</td>
<td>$ 7,296</td>
<td>$ 7,656</td>
<td>$ 8,040</td>
<td>$ 8,447</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7,296</td>
<td>7,656</td>
<td>8,040</td>
<td>8,448</td>
<td>8,868</td>
<td>9,312</td>
<td>9,780</td>
<td>10,260</td>
<td>10,776</td>
<td>11,316</td>
</tr>
<tr>
<td>Asst. 9 mos.</td>
<td>7,548</td>
<td>7,920</td>
<td>8,316</td>
<td>8,736</td>
<td>9,168</td>
<td>9,636</td>
<td>10,116</td>
<td>10,620</td>
<td>11,148</td>
<td>11,712</td>
</tr>
<tr>
<td></td>
<td>9,216</td>
<td>9,672</td>
<td>10,164</td>
<td>10,668</td>
<td>11,196</td>
<td>11,760</td>
<td>12,348</td>
<td>12,960</td>
<td>13,608</td>
<td>14,292</td>
</tr>
<tr>
<td>Assoc. 9 mos.</td>
<td>9,204</td>
<td>9,660</td>
<td>10,152</td>
<td>10,656</td>
<td>11,184</td>
<td>11,748</td>
<td>12,336</td>
<td>12,948</td>
<td>13,596</td>
<td>14,280</td>
</tr>
<tr>
<td></td>
<td>11,220</td>
<td>11,784</td>
<td>12,372</td>
<td>12,984</td>
<td>13,632</td>
<td>14,316</td>
<td>15,036</td>
<td>15,792</td>
<td>16,572</td>
<td>17,400</td>
</tr>
<tr>
<td>Prof. 9 mos.</td>
<td>11,700</td>
<td>12,288</td>
<td>12,900</td>
<td>13,548</td>
<td>14,220</td>
<td>14,928</td>
<td>15,684</td>
<td>(16,529)</td>
<td>17,280</td>
<td>18,156</td>
</tr>
<tr>
<td></td>
<td>14,256</td>
<td>14,964</td>
<td>15,720</td>
<td>16,500</td>
<td>17,328</td>
<td>18,192</td>
<td>19,104</td>
<td>20,064</td>
<td>21,060</td>
<td>22,116</td>
</tr>
<tr>
<td>Dean</td>
<td>12 mos.</td>
<td>17,400</td>
<td>18,276</td>
<td>19,188</td>
<td>20,148</td>
<td>21,156</td>
<td>22,212</td>
<td>23,316</td>
<td>24,480</td>
<td>25,704</td>
</tr>
</tbody>
</table>

Note: The averages inserted in parentheses represent the current salary averages for year 1969-70 in seven institutions, not including Medical and Dental Schools.

In accordance with the Administrative Code provision approved by the Board at the time the original salary scale was adopted in July 1956, appointments may be made at salary rates below the indicated first steps and above-scale salary rates are to be permitted for a few outstanding staff members in each of the academic ranks.

Office of Institutional Research
October 1969
Mr. Holmer said that the salary scale is not automatic or mandatory but is used as a guide in providing salary ranges for the various academic ranks. He said that actual salaries for the institutional personnel may be above or below any one of these salary scales and not necessarily on a specific step. One of the primary reasons for having the salary scale is for recruitment so that institutional executives can indicate to a prospective staff member what the salary possibilities would be in the State System. Mr. Holmer explained that the proposed new salary scale reflects the increases which have been provided over the last three years in the amount of approximately 5 percent per year. It is proposed that the schedule would be effective on July 1, 1970. Mr. Holmer then called attention to some of the issues related to salaries which the Board might wish to consider at some future time.

Mr. Gilbert Polanski, Field Representative of the Oregon State Employees Association, indicated there has been a lack of information and explanation of the salary scale to faculty members. He urged that the steps on the scale be described as representing annual increments so that faculty members can have an accurate anticipation of pay increases which can be expected from state service and also that salaries below or above the scale be clearly identified in salary adjustment materials submitted to the Board for approval.

The Chancellor said that further discussions were needed with the Employees Association. He said that his interpretation of the recommendation by Mr. Polanski was that it would transform the salary scale into a schedule which would indicate automatic progress and that this would be a major change in salary policy for the State System. The Chancellor said that he would not favor taking this kind of action at this time and that before doing so the Board should study thoroughly the arguments for and against moving into a more rigid salary policy.

The Finance Committee recommended that the Board approve the recommendation as presented and adopt the salary schedule as a guide for 1970-71, to be effective July 1, 1970.

The Board approved the recommendations as presented.

Correction of Outstanding
Requisitions at June 30, 1969

The Comptroller's Office has determined that additional outstanding requisitions of $18,331.99 should have been recorded for year 1968-69 before unexpended balances were reported to the Board. The unexpended balances of $193,170.88 reported at the October meeting should have been $174,838.89. It was proposed that a correction be made to increase outstanding requisitions from year 1968-69 and decrease the amount of the Board's Unappropriated Fund by $18,331.99.
The Finance Committee recommended that the Board approve the recommendation as presented.

The Board approved the recommendations as presented.

(Considered by Finance Committee, December 9, 1969.)

Budget Additions Reflecting 1969-70 Over-realized Enrollment

Although final figures are not yet developed, it was proposed that the Committee consider the principles to guide the distribution of a portion of the additional fees resulting from higher-than-anticipated enrollments. (Total headcount is estimated to be 51,605 at the UO, OSU, PSU, OCE, SOC, and EOC, compared to the budget estimate of 50,654—difference of 951.)

The net increase in income above estimates is on the order of $850,000. Most of this amount must be reserved to assist in meeting the reduction of income expected in 1970-71 as a result of the directed reduction in out-of-state students. The amount to be recommended for distribution to the six institutions will be in the neighborhood of $250,000.

Some assistance should be provided to the institutions in meeting the unexpected costs for serving the unexpected students. It is, therefore, proposed that:

1. Budget adjustments should be made in accord with the following dollar amounts per full-time equivalent student:

   A. Lower division $140
   B. Upper division $168
   C. First level graduate students $196
   D. Second level graduate students (doctoral candidates) $378

2. The net amount to each institution be based on the difference between the total number of FTE students by class level at an institution, compared with the FTE by class level on which the 1969-70 operating budget was originally based.

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

The Chancellor said that if the Board were willing to indicate its concurrence with this procedure, it would then be possible to proceed with some confidence in notifying the institutional executives of their resources prior to the beginning of the Winter Term.
Mrs. Johnson asked what basis was used for determining the figure of $250,000 and whether this represented the actual increased costs due to the added enrollment.

The Chancellor said that this amount represented the portion of the added fee income which can be made available to apply toward the current year's cost and still leave a balance of approximately $600,000 from added fee income available to be carried forward into year 1970-71 to offset an expected decrease in student fee income which will result from smaller numbers of nonresident students during year 1970-71 due to the legislative limitation on nonresident enrollment. He said that if all of this money were reserved for year 1970-71 that the institutions would operate and would serve the students during the current year, but they would not serve them as well. The Chancellor said that the recommendation was consistent with past Board policy in allocating additional fee income related to enrollments greater than estimated in the budget.

The Board approved the recommendation as presented.

Mrs. Johnson said that the State of Oregon, the citizens of Central Oregon, and the people of the Indian nations in the United States have lost a very good friend and supporter of education with the death of Mr. Vernon Jackson. She then presented the following resolution:

RESOLUTION

WHEREAS, the improvement of educational opportunities and other conditions leading to the betterment of all citizens of Oregon is of major significance to the Board of Higher Education.

WHEREAS, the efforts of Vernon Jackson as a citizen of Oregon and as General Manager of the Confederated Tribes of the Warm Springs Indian Reservation in respect to such improvements have been most noteworthy, and have been evidenced in such activities as his participation as Chairman of the Governor's Interstate Indian Council, and as a member of the Oregon Outdoor Recreation Council and of the Central Oregon Chamber of Commerce;

WHEREAS, Vernon Jackson graduated from the University of Oregon as the first Indian from the Warm Springs Reservation to earn a college degree;

WHEREAS, he served as a chairman for the Warm Springs Reservation in soliciting funds for the University of Oregon Pine Mountain Observatory;

WHEREAS, his accomplishments in helping to advance the welfare of the people of the Confederated Tribes of the Warm Springs Indian Reservation are recognized as unusually beneficial to the people;
WHEREAS, his determination to establish educational scholarship opportunities for the young people of the Confederated Tribes has been highly successful;

WHEREAS, he served as a member of the State Colleges for Oregon's Future Committee;

NOW, THEREFORE, the Board of Higher Education herewith expresses its recognition of Vernon Jackson's exceptional contribution to his people and to his state and nation, and the Board herewith resolves that it provide an expression of its sympathy to his family together with this resolution in recognition of and appreciation for his eminent service.

Upon motion by Mrs. Johnson, the Board adopted the resolution as presented and directed that a copy be sent to the family of Mr. Jackson.

The Chancellor announced that the University of Oregon had just been elected to membership in the Association of American Universities. This association was formed in 1900 and is an organization of those universities in this country and Canada considered to be preeminent in the field of graduate and professional studies and research. He said the total membership including the University of Oregon is 48. In addition to the University of Oregon, three other universities were named to the Association -- Case Western Reserve University, the University of Southern California, and the University of Maryland.

The Chancellor said that Portland State University, through the Center for Population Research is responsible for establishing the census estimates which provide the basis for the distribution of substantial amounts of state funds. The next period for filing of the census estimates requires that the certificate be filed by December 15 to provide the basis for the February distribution of state money. The Chancellor said that Mayor Terry Schrunk of Portland had asked that the Board examine the estimates prepared for this period in the hope that some modification of the estimate can be made. The new census estimate for the City of Portland is about 6,000 persons fewer than the previous census estimate and would result in a reduction of approximately $110,000 to the City of Portland in the next distribution of funds. This amount would probably be distributed to the suburban and rural areas in Multnomah County and neighboring counties. The census, in the judgment of the Center for Population Research, reflects the continuing trend for persons to move away from the core city out into the suburbs.

Dr. James E. Weiss, Director of the Center for Population Research and Census, then described some of the methods and information used in determining the census estimate for the city. These included data related to housing units, household size, comparisons of the trends in cities of similar size, and the probability of error based on studies of estimates compared to actual headcount census data.
The Board discussed the requirements set forth in the statute which stipulates that the Board shall file the certificate of the census estimate by December 15 after which the city or any subdivision may petition for a revision of the determination or an actual census can be taken at the expense of the city or subdivision.

Mr. David H. Dockham, Executive Assistant to the Mayor of the City of Portland, was introduced for the purpose of making the city's presentation to the Board.

Mr. Dockham said that the problems of statutory timing of the census estimates allowed only a two or three week period for the city to prepare and the Board to consider an appeal which could affect one-third of the moneys involved in the funds distributed to the City of Portland in February.

Mr. Dockham cited statistics in support of the city's position that the population of Portland had increased since the 1960 federal census rather than decreased as indicated in the estimate made by the Center for Population Research and Census. He said that on the basis of the city's statistics there were four crucial factors which indicated an increase rather than a decrease: (1) An increased number of dwelling units; (2) a declining vacancy rate; (3) a school headcount which is holding steady; and (4) an increase in voter registration.

Mr. Dockham said that time had been insufficient for the city to prepare concrete alternatives for the Board's consideration but that, recognizing the problems which the Board faced in receiving and studying all data pertinent to this matter, the mayor was requesting the Board to consider two possible approaches: (1) that the July 1968 estimate be retained until the results of the actual headcount are available from the 1970 federal census; or (2) that the 1968 estimate be retained at least until the January Board meeting at which time all of the pertinent data could be reviewed.

The Board discussed the possible alternatives with respect to the statutory requirements for filing the certificate and the appeal. It was agreed that in order to comply with the statute the Board must file the certificate by December 15, the city should appeal the estimate if it is unsatisfactory, and the Board should consider the appeal by December 31 in order for any decision on the appeal to affect the February distribution of funds.

Mr. Layman said that clearly this was a matter of importance to the city and that since all parties concerned were public agencies they should act properly and on the best information available. He said that if the City of Portland filed an appeal after the certificate was submitted on December 15, the Board could probably call a special meeting to review the appeal prior to the December 31 deadline.
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 October 1, 1969. The Board approved the recommendation as presented.

<table>
<thead>
<tr>
<th>Budgeted Name, Rank, and/or Title, Department</th>
<th>Mo. of Present</th>
<th>Recommended Service Salary Rate</th>
<th>Source Salary Rate of Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon State University</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Robert G. Graham, Professor, Business and Technology</td>
<td>9</td>
<td>$13,806</td>
<td>$14,306 Budget (Appointment as Chairman of the Department of Business Environment and Organizational Behavior; effective September 16, 1969.)</td>
</tr>
<tr>
<td>Dr. Frank P. Conte, Associate Professor, Department of Zoology</td>
<td>9</td>
<td>12,408</td>
<td>12,821 Budget (To bring his salary to a level comparable to that of other staff members with similar training and experience; effective November 1, 1969.)</td>
</tr>
<tr>
<td>Mr. Guadalupe L. Garcia, Assistant in Farm Crops</td>
<td>12</td>
<td>12,000</td>
<td>13,200 Grant (To provide an overseas allowance under the AID Weed Control Contract; effective October 6, 1969.)</td>
</tr>
<tr>
<td>Mr. Thomas Yates, Assistant Professor, Computer Center</td>
<td>12</td>
<td>14,652</td>
<td>15,800 Budget (Appointment as Manager of Administrative Systems Development; additional responsibilities in newly-established position; effective November 1, 1969.)</td>
</tr>
<tr>
<td>Mr. Leonard J. Calvert, Associate Director of Public Affairs, UO</td>
<td>12</td>
<td>14,316</td>
<td>14,520 Budget (Appointment as Extension Information Specialist, OSU; effective August 18, 1969.)</td>
</tr>
<tr>
<td>Dr. F. Thomas Lindstrom, Research Associate, Agricultural Chemistry</td>
<td>12</td>
<td>9,216</td>
<td>10,300 Grant (In recognition of increased responsibilities; October 1, 1969.)</td>
</tr>
<tr>
<td>Dr. James F. Steenbergen, Visiting Assistant Professor of Microbiology</td>
<td>12</td>
<td>--</td>
<td>12,348 Budget (Appointment effective September 16, 1969, through June 30, 1970.)</td>
</tr>
<tr>
<td>Mr. James K. Van Leuven, Assistant Professor, Department of Journalism</td>
<td>12</td>
<td>10,164</td>
<td>11,289 Budget (Appointment as News Editor in the Department of Information; effective November 1, 1969.)</td>
</tr>
<tr>
<td>Name and Title</td>
<td>Service</td>
<td>Present Salary</td>
<td>Recommended Salary</td>
</tr>
<tr>
<td>----------------------------------------------------</td>
<td>---------</td>
<td>----------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>University of Oregon Dental School</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Mr. Darwin R. Reveal, Assistant Professor</td>
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<td>$13,416</td>
<td>$14,616</td>
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<td>Dr. James W. Grenfell, Associate Professor,</td>
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<td>15,504</td>
<td>16,512</td>
</tr>
<tr>
<td>Crown and Bridge Department</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Harry C. Holmes, Associate Professor,</td>
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<td>13,500</td>
<td>14,004</td>
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<tr>
<td>Crown and Bridge Department</td>
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</tr>
<tr>
<td>Dr. Hiroshi Ueno, Associate Professor,</td>
<td>12</td>
<td>14,220</td>
<td>14,724</td>
</tr>
<tr>
<td>Crown and Bridge Department</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Mr. Kenneth Cushman, Director of Institutional</td>
<td>12</td>
<td>11,748</td>
<td>13,008</td>
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<td>Relations</td>
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<tr>
<td>Dr. Lee E. Emery, Clinical Associate</td>
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<td>12,000</td>
<td>13,500</td>
</tr>
<tr>
<td>Dr. Kaye P. Nichols, Clinical Assistant</td>
<td>12</td>
<td>11,100</td>
<td>11,604</td>
</tr>
<tr>
<td>University of Oregon Medical School</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Rudolf Engel, Professor of Pediatrics</td>
<td>12</td>
<td>22,500</td>
<td>25,000</td>
</tr>
<tr>
<td>Mr. Jack Hegrenes, Instructor</td>
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<td>13,303</td>
<td>14,500</td>
</tr>
<tr>
<td>Dr. Samuel Irwin, Professor of Pharmacology in</td>
<td>12</td>
<td>21,800</td>
<td>23,274</td>
</tr>
<tr>
<td>Psychiatry</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Dr. John W. Kendall, Associate Professor of Medicine</td>
<td>12</td>
<td>24,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Budgeted Name, Rank, and/or Title, Department</td>
<td>Mo. of Service</td>
<td>Present Salary Rate</td>
<td>Recommended Salary Rate of Funds</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>---------------</td>
<td>-------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Dr. James Metcalfe, Professor of Medicine</td>
<td>12</td>
<td>$27,000</td>
<td>$28,000</td>
</tr>
<tr>
<td>(Increase provided in grant; effective</td>
<td></td>
<td></td>
<td>September 1, 1969.)</td>
</tr>
<tr>
<td>Dr. Geoffrey V. R. Seaman, Associate</td>
<td>12</td>
<td>$19,500</td>
<td>$20,500</td>
</tr>
<tr>
<td>Professor of Neurology</td>
<td></td>
<td></td>
<td>(Increase provided in grant.)</td>
</tr>
<tr>
<td>Dr. Paul Herman, Assistant Professor,</td>
<td>12</td>
<td>14,200</td>
<td>14,500</td>
</tr>
<tr>
<td>Department of Otolaryngology</td>
<td></td>
<td></td>
<td>(Increase provided in grant;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>effective August 1, 1969.)</td>
</tr>
<tr>
<td>Dr. Curtis E. Weiss, Assistant Professor</td>
<td>12</td>
<td>14,000</td>
<td>15,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Transfer to Mental Retardation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Program; increase provided in</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>grant; effective September 1,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1969.)</td>
</tr>
<tr>
<td>Dr. William C. Awe, Assistant Professor,</td>
<td>12</td>
<td>23,500</td>
<td>27,500</td>
</tr>
<tr>
<td>Department of Surgery</td>
<td></td>
<td></td>
<td>(Increase previously deferred</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>pending possible change in Dr. Awe's</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>status; change from yearly to</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>indefinite tenure; effective</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>July 1, 1969.)</td>
</tr>
<tr>
<td>Dr. Catherine A. Smith, Professor of</td>
<td>12</td>
<td>20,000</td>
<td>21,000</td>
</tr>
<tr>
<td>Otolaryngology</td>
<td></td>
<td></td>
<td>(To correct an error in the original</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>budget; effective September 1,</td>
</tr>
<tr>
<td>Portland State University</td>
<td></td>
<td></td>
<td>1969.)</td>
</tr>
<tr>
<td>Dr. Chadwick Karr, Professor of Psychology</td>
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<td>12,900</td>
<td>13,674</td>
</tr>
<tr>
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<td></td>
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<td>(Currently on leave without pay</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>and working under grant at OCE;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>salary rate under grant was not</td>
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<td>Dr. Daniel E. Jennings, Associate Professor</td>
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<td>17,994</td>
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<td>of Social Work</td>
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<td>Southern Oregon College</td>
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<td>Dr. William Meulemans, Assistant Professor,</td>
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<td>Political Science</td>
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<td>Mr. Charles Tracy, Associate Professor,</td>
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<td>Mrs. Marilyn L. Peters, Assistant Professor</td>
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<td>Mrs. Mary Jo Hall, Director of the Office of Federal Relations; Assistant Professor</td>
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<td>11,760</td>
<td>15,000</td>
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The following gifts and grants to the institutions have been approved for acceptance and expenditure by the institutions and the Board's Office in accordance with Board action on January 27-28, 1964. It was recommended that the Secretary of the Board be authorized to make suitable acknowledgement to the donors and grantors. The Board approved the recommendation as presented.

**Oregon State University**

Scholarships & Fellowships

Gifts totaling $9,186.35 from the following donors for scholarships and fellowships:

- Agricultural Research Foundation, Corvallis $369.00
- Bate Plywood Company, Incorporated, Merlin 100.00
- Beaverton Employees' Activities Association, General Telephone Co. of the Northwest, Inc. 300.00
- Bend Senior High School, Lettermen's Club, Bend 200.00
- Bruce Church Educational Foundation, Salinas, California 500.00
- Churchill High School, Eugene (Parent-Teacher Association Scholarship) 100.00
- The College Women's Club of the Rogue River Valley, Medford 150.00
- Cottage Grove High School 650.00
- Douglas Medical Foundation, Roseburg 246.00
- Elks Lodge No. 652, Eureka, California 100.00
- First National Bank of Oregon, Portland 1,000.00
- Henley High School, Klamath Falls 100.00
- Hillsboro Union High School 150.00
- North Eugene High School, Eugene 200.00
- Oakland High School 250.00
- Oregon Education Association, Tigard 300.00
- Oregon State University Mother's Club, Ashland 1,689.35
- Roseburg Senior High School 400.00
- The Timber Carnival, Albany 250.00
- U. S. National Bank of Oregon, Portland (Criswell Scholarship Fund) 500.00
- Western Golf Association, Golf, Illinois 1,632.00

**American Cancer Society, Oregon Division**

Grant of $4,140 from the American Cancer Society, Oregon Division, Portland, for research entitled, "Polyribosome Patterns and Characterization of RNA Produced in Early Phases of the Induction of the Immune Response in Cell Culture," October 1, 1969, through March 30, 1970, under the direction of Dr. Robert W. Newburgh, Head of Biochemistry and Biophysics.

**The Ansell Company**

Grant of $2,240 from The Ansell Company, Marinette, Wisconsin, for research entitled, "Development of Principles of Chemical Silviculture," under the direction of Dr. Michael Newton, Associate Professor, Forest Research Laboratory.
Meeting #379-85

December 10, 1969

Bonneville Power Administration
Grant of $14,118.32 from the Bonneville Power Administration, Portland, for research entitled, "Improved Serviceability of Wood Products," under the direction of Mr. Robert Graham, Associate Professor, Forest Research Laboratory.

National Aeronautics & Space Administration
Grants totaling $45,297 from the National Aeronautics and Space Administration, Washington, D.C., for research, as follows:

1. $20,000 - "Instrumental Activation Analysis of Rare Earths and Other Elements," September 1, 1969, through August 31, 1970, under the direction of Dr. Roman A. Schmitt, Associate Professor, Radiation Center.

2. $25,297 - "Hydrostatic Pressure-temperature, as Environmental Parameters, on Growth, Biochemistry, and Physiology of Micro-organisms," July 1, 1969, through June 30, 1971, under the direction of Dr. Richard Y. Morita, Professor, Department of Microbiology.

National Council of the Paper Industry for Air and Stream Improvement, Inc.
Grants totaling $4,312.50 from the National Council of the Paper Industry for Air and Stream Improvement, Inc., New York City, for research, July 1 through September 30, 1969, as follows:

1. $4,000 - "Sulphite Waste Research," under the direction of Mr. James G. Knudsen, Assistant Dean of Engineering.

2. $312.50 - "Cooperative Research on Aquatic Biology," under the direction of Mr. Knudsen.

National 4-H Club Foundation
Grant of $19,399 from the National 4-H Club Foundation, Washington, D.C., "to gather experimental information pertinent to smoking knowledge, attitudes and practices of youth-leaders and youth," June 19, 1969, through June 18, 1970, under the direction of Mr. Gene Lear, Director, Extension Service.

National Science Foundation
Grant of $20,500 from the National Science Foundation, Washington, D.C., for research entitled, "Potassium-Argon Ages of Oceanic Volcanic Rocks," October 15, 1969, through October 14, 1970, under the direction of Dr. Jack Dymond, Department of Oceanography.

Research Corporation
Grant of $4,810 from the Research Corporation, New York City, for research entitled, "Thermal Rearrangements of Medium sized Rings," November 1, 1969, through October 31, 1970, under the direction of Dr. Richard W. Thies, Assistant Professor of Chemistry.

U. S. Atomic Energy Commission
Grant of $45,024 from the U. S. Atomic Energy Commission, Richland, Washington, for research entitled, "Research in Applied Analysis," September 15, 1969, through August 14, 1970, under the direction of Dr. A. T. Lonsketh, Professor, Department of Mathematics.

U. S. Dept. of the Army
Grant of $3,713.65 from the U. S. Department of the Army, Presidio of San Francisco, California, "to provide a Flight Instruction Program for Army ROTC students enrolled at Oregon State University," September 1, 1969, through June 30, 1970, under the direction of Captain Gary A. Boyd, Assistant Professor of Military Science.
U. S. Forest Service
Grants totaling $2,040.77 from the U. S. Forest Service, Washington, D.C., for research as follows:

1. $721.39 - "Drying Characteristics of Southern Pine and Douglas-Fir Rotary-Peelled Veneer at Temperatures to 800°F.," under the direction of Mr. George Atherton, Professor, Forest Research Laboratory.

2. $1,319.38 - "Gluability and Strength of Southern Pine and Douglas-Fir Rotary-Peelled Veneer at Temperatures to 800°F.," under the direction of Mr. Charles Kozlik, Assistant Professor, Forest Research Laboratory.

U. S. Dept. of Health, Education & Welfare
Grants totaling $554,795 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., for research, training programs, construction, and other purposes, as follows:

1. $26,455 - "Fluorescence Studies of Enzyme Structure," November 1, 1969, through October 31, 1970, under the direction of Dr. Sonia R. Anderson, Assistant Professor of Biochemistry and Biophysics.

2. $14,037 - "Valence Isomerization of Dihydropyridines," September 1, 1969, through August 31, 1970, under the direction of Dr. Elliot N. Marvell, Professor of Chemistry.

3. $416,085 - "To record the receipt of HEPA funds and the expenditures for a portion of the Forestry Building," beginning January 15, 1969, under the direction of Mr. M. Popovich, Dean of Administration.

4. $98,218 - "Planning Grant for Pre-Service Training," September 2, 1969, through June 30, 1970, under the direction of Mr. Ronald C. Petrie, Instructor in Education.

U.S.D.I., Water Pollution Control Administration
Grant of $33,634 from the U. S. Department of the Interior, Federal Water Pollution Control Administration, Washington, D.C., "to accommodate expenditures for research in the field of Mechanical Engineering to achieve a description of the dispersion of thermo energy in the local sea," September 15, 1969, through September 14, 1970, under the direction of Dr. James R. Welty, Professor of Mechanical Engineering.

U.S.D.I., Fish & Wildlife Service
Grant of $1,200 from the U. S. Department of the Interior, Fish and Wildlife Service, Arlington, Virginia, "To provide out-of-state travel for the principal investigator in connection with the furtherance of his research study of Functionality Modifications of Fish Protein Concentrate," June 30, 1969, through June 30, 1970, under the direction of Dr. A. F. Anglemier, Associate Professor of Food Science and Technology.
Grants totaling $2,634.60 from the U. S. Department of the Interior, Bureau of Land Management, for research, as follows:

1. $244.67 - "Development of Principles of Chemical Silviculture," under the direction of Dr. Michael Newton, Associate Professor, Forest Research Laboratory.

2. $2,389.93 - "Animal Damage Control in the Rehabilitation of Forest Land," under the direction of Dr. Hugh Black and Mr. Edward Hooven, Associate Professors, Forest Research Laboratory.

Grant of $122,000 from the U. S. Department of the Navy, Washington, D.C., "to provide for payment of tuition for students participating in the Navy ROTC Program," July 1, 1969, through June 30, 1970, under the direction of Captain J. H. Hitchcock, Professor of Naval Science.

Grant of $19,640 from the U. S. Department of the Navy, Office of Naval Research, Washington, D.C., for research entitled, "Medical Neutron Radiography," October 1, 1969, through September 30, 1970, under the direction of Mr. Charles Porter, Research Associate, Radiation Center.

Grant of $215,758 from the U. S. Department of State, Washington, D.C., for "Weed Control Research in South American Countries," July 1, 1969, through June 30, 1971, under the direction of Dr. William R. Furtick, Department of Farm Crops.

Grants totaling $117,713 from the U. S. Public Health Service, Washington, D.C., for research, fellowships, and other purposes, as follows:

1. $39,009 - "Chemical Transformation of Solid Wastes," October 1, 1969, through September 30, 1970, under the direction of Dr. Virgil H. Freed, Head of the Department of Agricultural Chemistry.

2. $1,000 - "To accommodate expenditures for materials and supplies under a fellowship allowance in behalf of James P. Cleveland, who is studying in the field of chemistry," September 2, 1969, through September 1, 1970, under the direction of Dr. John L. Rice, Professor of Chemistry.

3. $500 - "Supplement to a predoctoral fellowship grant in behalf of Mr. John A. Jaksch," August 8 through December 31, 1969, under the direction of Dr. Herbert Stoevener, Professor of Agricultural Economics.
4. $3,884 – "Toxicology of Pesticides in the Environment," October 1 through October 31, 1969, under the direction of Dr. Virgil Freed, Head of Agricultural Chemistry.

5. $6,600 – "To accommodate expenditures for operational costs under a fellowship on behalf of Kenneth Burnham to assist him to obtain his Ph.D. degree in the field of statistics," September 1, 1969, through August 31, 1970, under the direction of Dr. Lyle D. Calvin, Chairman of the Department of Statistics.

6. $7,600 – "To accommodate expenditures and to establish stipends for operational costs under a predoctoral fellowship award in behalf of Millridge C. Dedrick for studies in the field of Radiation Biology," September 16, 1969, through September 15, 1970, under the direction of Dr. D. J. Kimeldorf, Professor of Radiation Biology – General Science.

7. $19,211 – "A Career Development Award in behalf of Dr. George S. Beaudreau: Studies of Metabolic Changes Induced by Tumor Virus," September 1, 1969, through August 31, 1970, under the direction of Dr. V. H. Freed, Head of the Department of Agricultural Chemistry.

8. $39,909 – "Metabolic Changes Induced by Tumor Virus," September 1, 1969, through August 31, 1971, under the direction of Dr. George S. Beaudreau, Professor of Agricultural Chemistry.

Grants to the several Agricultural Experiment Station Departments and divisions for research work and other purposes from various donors, as follows:

Agricultural Research Foundation

$16,049.58 representing the value of equipment transferred from the Agricultural Research Foundation to the various departments and experiment stations.

$1,632 – "Microbiology of Processing Fruits and Vegetables," under the direction of Dr. P. Krupeman, Associate Professor of Food Science and Technology.

American Cyanamid Company

$1,000 – "Control of Weeds in the Less Developed Countries," under the direction of Dr. W. R. Furtick, Professor of Agronomy.

American Potash and Chemical Corporation

$2,500 – "Plant Tissue and Soil Testing Studies," under the direction of Dr. T. L. Jackson, Professor of Soils.

Herman Frasch Foundation

$2,400 – "A Study of the Effect of 2,4-D on Protein and Nucleic Acid Biosynthesis," under the direction of Dr. R. O. Morris, Assistant Professor.
Meeting #379-89

Jefferson County Livestock Association
$1,830 - "Feasibility of Establishing a Beef Packing Plant in Central Oregon," under the direction of Dr. J. G. Youde, Assistant Professor of Agricultural Economics.

Malheur Onion Growers Association
$1,000 - "Research on Onion Pink Root," under the direction of Dr. E. K. Vaughan, Professor of Plant Pathology.

Miller-Morton Company
$6,000 - "Control of External Parasites of Pet Animals by Means of Systemic Insecticides," under the direction of Dr. R. L. Goulding.

National Council for Stream Improvement
$15,000 - "Research on effects of the paper industry on streams," under the direction of Dr. C. E. Warren, Professor of Fisheries.

New York University Medical Center
$7,463 - "To defray expenses incurred by the National Institute of Health Task Force for Research Planning in the Environmental Health Science at a meeting held on the Oregon State University Campus and for future research projects," under the direction of Dr. V. H. Freed, Professor of Chemistry.

Northwest Pulp and Paper Association
$7,500 - "To support pulp waste research," under the direction of Dr. C. E. Warren, Professor of Fisheries.

Oregon State Game Commission
$10,000 - "Biology of the Protozoan Parasite Ceratomyxa Shasta," and "Prevention and Control of Vibriosis in Fall Chinook Salmon and Related Species in Salt Water Impoundments on the Oregon Coast," under the direction of Dr. J. L. Fryer, Associate Professor of Microbiology.

Oregon State Game Commission
$10,000 - "The Evaluation of Game-Range Forage and the Use of Animals as a Tool in Resource Management," under the direction of Dr. D. W. Hedrick, Professor of Range Management.

Pacific NW Forest & Range Experiment Station
$4,000 - "Nitrogen Fixation in Forest Environment Assessed by Acetylene Reduction Techniques," under the direction of Mr. Sterling A. Russell, Assistant in Botany.

Pacific SW Forest & Range Experiment Station
$10,605.30 - "Feasibility of Inventorying Vegetation and Related Resources from Gemini Photography," under the direction of Dr. C. E. Poulton, Professor of Range Ecology.

United Shoe Machinery Corp., Harmonic Drive Division
$585 - Representing the value of a speed reducer to demonstrate Harmonic Drive principle in the transmission of mechanical power, for use in Agricultural Engineering in the instructional program.

Western Oregon Onion Growers
$350 - "To provide for a chemical analysis of plant samples for onion survey," under the direction of Dr. T. L. Jackson, Professor of Soils.

Wilbur-Ellis Company
$175 - "For testing of chemical in control of foot and root rots of wheat," under the direction of Dr. R. L. Powelson, Associate Professor of Plant Pathology.
University of Oregon


Eugene Water & Electric Board

Grant of $20,800 from the Eugene Water and Electric Board, Eugene, in continued support of the traveling exhibit, "This Atomic World," July 1, 1969, through June 30, 1970, under the direction of Dr. Russell Donnelly, Professor and Head of the Department of Physics.

Lane County

Grant of $7,500 from Lane County, Eugene, "for expanding and improving library service in Lane County," September 26 through December 15, 1969, under the direction of Dr. Robert Kemper, Director, Library Research and Information Center.

National Aeronautics & Space Administration; Manned Spacecraft Center

Grants totaling $50,000 from the National Aeronautics and Space Administration, Manned Spacecraft Center, Houston, Texas, for research as follows:

1. $43,000 - "Analysis of Lunar Materials," August 1, 1969, through August 31, 1970, under the direction of Dr. Gordon Goles, Associate Professor of Geology.

2. $7,000 - "Analysis of Lunar Material," October 28 through December 31, 1969, under the direction of Dr. Daniel F. Weill, Associate Professor of Geology.

National Science Foundation

Grants totaling $258,441 from the National Science Foundation, Washington, D.C., for institutes, as follows:

1. $40,640 - "Summer Institute in Mathematics for College Teachers," October 13, 1969, through September 30, 1970, under the direction of Dr. A. F. Moursund, Professor and Head of the Department of Mathematics.

2. $102,211 - "Academic Year Institute in Biology for Secondary School Teachers," October 9, 1969, through September 30, 1971, under the direction of Dr. Sanford S. Tepfer, Professor and Head of the Department of Biology.

Grant of $7,277 from the Oregon State Board of Education, Salem, "For an Investigation of Post-High School Vocational Adjustment of Educable Retardates," August 25, 1969, through June 15, 1970, under the direction of Dr. Herbert Prehm, Associate Professor of Education.

Grants totaling $1,296 from the State of Oregon Employment Division, Salem, for the following purposes:

1. $658 - "For tuition, books, supplies and incidentals for enrollment of students enrolled under Work Incentive Program," for the 1969-70 academic year, under the direction of Mr. Walter Freauff, Associate Dean of Students.

2. $638 - "For tuition, books and supplies on behalf of Mary Irene Hoskins under the Work Incentive Program, WIN," September 29, 1969, through June 13, 1970, under the direction of Mr. Walter Freauff, Associate Dean of Students.

Grant of $15,000 from the U. S. Air Force, Office of Scientific Research, Arlington, Virginia, for research entitled, "Spectra from Hot Compressed Gases," November 1, 1969, through August 31, 1970, under the direction of Dr. S. Y. Ch'en Professor of Physics.


Grants totaling $250,043 from the U. S. Department of Health, Education, and Welfare, Office of Education, Washington, D.C., for research and other purposes, as follows:

1. $143,895 - "In continued support of the Regional Materials Center for Handicapped Children and Youth," September 1, 1969, through August 31, 1970, under the direction of Dr. Wayne D. Lance, Associate Professor of Education.

2. $101,123 - "Assessment and Treatment of Deviant Behavior," August 16, 1969, through August 16, 1970, under the direction of Dr. Robert Mattson, Director, Special Education.

3. $5,025 - "A Study in Comparative Music Education: An Evaluation of Techniques Employed in Elementary and Secondary Schools in Selected Foreign Countries," June 30, 1969, through April 30, 1970, under the direction of Dr. E. A. Cykler, Professor and Acting Dean of the School of Music.

Grant of $73,040 from the U. S. Department of Housing and Urban Development, Seattle, Washington "for planning work at the Warm Springs Indian Reservation, June 50, 1969, through June 30, 1971, under the direction of Mr. Kenneth Tollenaar, Acting Director, Bureau of Governmental Research and Service. This grant represents federal funds of $54,780, local funds of $12,760, and tribe services of $5,500.
Grants totaling $125,841 from the U. S. Public Health Service, Washington, D.C., for research, fellowships, supplies, and other purposes, as follows:

1. $1,000 - "Postdoctoral supply allowance on behalf of Robert W. Morris," September 1, 1969, through August 31, 1970, under the direction of Dr. Edward Herbert, Professor of Chemistry.

2. $1,177 - "Supplemental funds to cover increase in salary for Dr. Edward Herbert in connection with Development Award - Research Career Program," July 1, 1969, through June 30, 1970, under the direction of Dr. Virgil Boekeleheide, Head of the Department of Chemistry.

3. $1,000 - "Postdoctoral supply allowance on behalf of James T. McFarland," September 10, 1969, through September 9, 1970, under the direction of Dr. Sidney A. Bernhard, Professor of Chemistry.

4. $24,397 - "Neural Conditioning and Development," September 1, 1969, through August 31, 1970, under the direction of Dr. John C. Fentress, Assistant Professor, Psychology, Biology.

5. $3,650 - "Predoctoral research fellowship award on behalf of Terry L. Wittenberg," September 1, 1969, through February 28, 1970, under the direction of Dr. W. R. Sistrom, Professor of Biology.

6. $4,630 - "Kinetic Analysis of Enzyme Catalysis," August 1, 1969, through July 31, 1970, under the direction of Dr. Sidney A. Bernhard, Associate Professor of Chemistry.

7. $6,530 - "Inelastic Light Scattering in Biopolymers," September 1, 1969, through August 31, 1970, under the direction of Dr. Warner L. Peticolas, Professor of Chemistry.

8. $6,496 - "Effects of Verbal Self-Reinforcement," September 1, 1969, through August 31, 1970, under the direction of Dr. Stephen M. Johnson, Assistant Professor of Psychology.


10. $41,360 - "Correlation of Structure and Function in Muscle," October 1, 1969, through September 30, 1970, under the direction of Dr. Graham Hoyle, Professor of Biology.

Grant of $23,884 from the Weyerhaeuser Company, Longview, Washington, "to provide supplemental funds for research with particular attention directed to the control of odors emanating from the Springfield plant," October 1, 1969, through July 1, 1970, under the direction of Dr. Russell J. Donnelly, Professor and Chairman, Department of Physics.
Gifts to the University of Oregon Library from various donors as follows:

D. A. Baerncopf
Books, journals, documents, phonodiscs, pamphlets and general periodicals, valued at $1,158, from Mr. David A. Baerncopf, Eugene. The gift is from the personal and professional library of this faculty member.

R. Bendick
Manuscripts relating to the creation and production of current-events documentary programs for television from Mr. Robert Bendick, Rye, New York. The gift is valued at $600.

J. Berger
Manuscripts, correspondence and related materials, valued at $620, from Mr. Josef Berger, Brooklyn, New York. Mr. Berger is a nationally-recognized children's author.

Mrs. M. Eastham
Approximately 185 volumes, valued at $246.05, from Mrs. Melville Eastham, Cambridge, Massachusetts.

Mrs. C. E. Johnson
Books and journals from the personal library of Charles E. Johnson, from Mrs. Charles E. Johnson. The gift from the personal library of the late University President is valued at $1,057.

A. M. Josephy, Jr.
Additional manuscripts, correspondence, and documents concerning the contemporary Indian from Mr. Alvin M. Josephy, Jr., Greenwich, Connecticut. Mr. Josephy is a nationally-recognized authority on Indian culture and sociology and editor of the American Heritage Publishing Company.

Mr. & Mrs. Manning de V. Lee
Manuscripts, art work, correspondence and related materials, valued at $6,000, from Mr. and Mrs. Manning de V. Lee, Ambler, Pennsylvania. The materials relate to their careers as artists, editors, and authors in the field of children's books and periodicals. Mrs. Lee was the first editor of Jack and Jill and Mr. Lee is most prominent as a book illustrator.

Mr. & Mrs. C. Powell
Books and early Oregon manuscripts and ledgers and minute books mostly relating to the Monmouth area from Mr. and Mrs. Clares Powell, Monmouth. The gift is valued at $191.

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

Mr. & Mrs. G. Kobilkin
Album of Japanese woodblock prints in color, valued at $150, from Mr. and Mrs. George Kobilkin, Eugene.

Oregon Arts Commission
$2,500 - For "Portable Outdoor Arts Structure Phase II: Construction," from the Oregon Arts Commission, Salem, July 1, 1969, through June 30, 1970, under the direction of Mr. Dennis A. Gould, Assistant Director, Museum of Art.

Dr. & Mrs. W. S. Baldinger
Japanese woodblock, paintings, and teaspoon, valued at $685, from Dr. and Mrs. Wallace S. Baldinger, Eugene.
University of Oregon Dental School

American Cancer Society; Oregon Division
Grant of $7,120 from the American Cancer Society, Oregon Division, Portland, "to continue the institutional grant for teaching purposes," September 1, 1969, through August 31, 1970, under the direction of Dr. N. H. Rickles, Chairman of the Department of Pathology.

American Fund for Dental Education
Grant of $1000 from the American Fund for Dental Education, Chicago, Illinois. "to hold the annual dental school faculty seminar," July 1, 1969, through June 30, 1970, under the direction of Dean Terkla.

University of Oregon Medical School

Scholarships & Fellowships
Gifts totaling $3,661.50 from the following donors for scholarships and fellowships:

- The Allstate Foundation, Portland: $900.00
- American Legion Auxiliary, Department of Oregon, Dundee: $250.00
- The Jackson Foundation, through the U. S. National Bank of Oregon, Portland: $1,000.00
- Leukemia Society of America, Inc., Oregon Chapter, Portland: $1,011.50
- Oregon Nurses Association, District 7, Adams: $100.00
- Silverton Hospital Auxiliary, Silverton: $400.00

Adamson Bequest
Bequest of $10,000 plus a half interest in real property under the will of Robert K. Adamson for the establishment of the Robert K. Adamson Fund for Ophthalmology. The funds are to be used at the discretion of Dr. Kenneth C. Swan, Chairman of the Department of Ophthalmology, to advance research, teaching and patient care programs in the Department of Ophthalmology.

American Cancer Society; Oregon Division
Grant of $21,943.50 from the American Cancer Society, Oregon Division, Portland, "to study the distribution and effect of \( ^{131}I \) labelled horse antimelanoma globulin on patients with metastatic malignant melanoma," October 1, 1969, through October 1, 1970, under the direction of Dr. William S. Fletcher, Associate Professor of Surgery.

Anonymous
Gift of $3,000 from an anonymous donor to be added to the student loan fund for medical students, under the direction of Mr. Leonard Shapland, Financial Aid Officer.

R. B. Bramble
Gift of $500 from Dr. R. B. Bramble, Auburn, Washington, for the use of the Division of Urology, under the direction of Dr. Clarence V. Hodges, Head of the Division.

Des Rochers Estate
Bequest of $3,715.25 under the will of Ernest Des Rochers, Portland, to be used for cancer research under the direction of Dean Charles N. Holman.
Meeting #379-95

December 10, 1969

Duke-Lab Foundation, Inc.  Grant of $500 from the Duke-Lab Foundation, Inc., South Norwalk, Connecticut, for research and education in the Division of Dermatology, under the direction of Dr. Walter C. Lobitz, Jr., Head of the Division of Dermatology.

Eli Lilly and Company  Grant of $482.52 from Eli Lilly and Company, Greenfield, Indiana, for "Studies with Nebramycin (Factor 6)," beginning October 13, 1969, under the direction of Dr. Robert Brummett, Assistant Professor of Otolaryngology.

The Hervin Company  Grant of $3,600 from The Hervin Company, Tualatin, as an unrestricted gift for use by the Department of Animal Care at the discretion of Mr. Allan L. Rogers, Director of Animal Care. It is proposed that most of the funds will be used for research purposes.

National Science Foundation  Grant of $38,000 from the National Science Foundation, Washington, D.C., for research entitled, "Anatomic Study of the Nerve Networks of the Auditory Cortex," September 1, 1969, through August 31, 1971, under the direction of Dr. Archie R. Tunturi, Associate Professor of Anatomy.

Dr. & Mrs. G. E. Nelson  Gift of $100 from Dr. and Mrs. Gunnar E. Nelson, Portland, in memory of Dr. J. B. Bilderback, to be used under the direction of Dr. R. W. Olmsted, Chairman of the Department of Pediatrics.

Pier Estate  Bequest of $5,000 under the will of Mrs. Alma R. Pier, Portland, for the unrestricted use of Doernbecher Memorial Hospital for Children, under the direction of Dr. Michael Baird, Medical Director.

Smith, Miller & Patch, Inc.  Grant of $500 from Smith, Miller & Patch, Inc., New Brunswick, New Jersey, "for research in the Department of Otolaryngology," under the direction of Dr. David D. De Weese, Chairman of the Department.

The Max and Rose Tucker Foundation  Grant of $500 from The Max and Rose Tucker Foundation, Portland, for the unrestricted use of Doernbecher Memorial Hospital for Children, under the direction of Dr. Michael Baird, Medical Director and Administrator.

Veterans of Foreign Wars Auxiliary, Dept. of Oregon  Gift of $859 from the Veterans of Foreign Wars Auxiliary, Department of Oregon, Astoria, for cancer research under the direction of Dr. William Fletcher, Associate Professor of Surgery.

U. S. Public Health Service  Grants totaling $808,126 from the U. S. Public Health Service, Washington, D.C., for research, training programs, fellowships, supplies, and other purposes, September 1, 1969, through August 31, 1970, unless otherwise indicated, as follows:

1. $1,000 - "In support of a supply grant for Peter Stenzel in the Department of Biochemistry," September 2, 1969, through September 1, 1970, under the direction of Dr. Richard T. Jones, Professor and Chairman of Biochemistry.
2. $20,953 - "Undergraduate Training Program in Cardiology," under the direction of Dr. Herbert E. Griswold, Professor of Medicine.

3. $5,400 - "In further support of an Undergraduate Training Program in Cardiology," under the direction of Dr. Herbert E. Griswold.

4. $14,642 - "Chemo- and Radiotherapy in Bladder Carcinoma," under the direction of Dr. Clarence V. Hodges, Professor and Chairman of the Division of Urology.

5. $299,975 - "In further support of the General Clinical Research Center," October 1, 1969, through September 30, 1970, under the direction of Dr. Charles N. Holman, Dean.

6. $70,922 - "Eccrine Sweat Gland Function," under the direction of Dr. Richard L. Dobson, Professor of Dermatology, and Dr. Richard E. Bailey, Associate Professor of Diabetes and Metabolism.

7. $500 - "Fellowship supply allowance for Dr. Mary F. Meikle, Postdoctoral Fellow in the Department of Otolaryngology," June 16, 1969, through June 15, 1970, under the direction of Dr. Jack A. Vernon, Associate Professor, Department of Otolaryngology.

8. $113,062 - "Structure and Function of the Inner Ear," under the direction of Dr. Catherine A. Smith, Professor of Otolaryngology.


10. $25,087 - "Decrease Oxygen Affinity of Blood in Hypoxia," October 1, 1969, through September 30, 1970, under the direction of Dr. Miles J. Edwards, Associate Professor of Medicine, and Acting Head of the Division of Chest Diseases.

11. $10,000 - "To provide scholarships for nursing students," July 1, 1969, through June 30, 1970, under the direction of Mr. Leonard Shapland, Assistant Business Manager and Loan Officer.

12. $29,100 - "Surface Properties of Blood Elements," October 1, 1969, through September 30, 1970, under the direction of Dr. Geoffrey V. F. Seaman, Associate Professor of Neurology and Biochemistry.

Grant of $1,000 from Westwood Pharmaceuticals, Inc., Buffalo, New York, to be used as a travel grant for residents in dermatology, under the direction of Dr. Walter C. Lobitz, Jr., Head of the Division of Dermatology.
Scholarships & Fellowships

Gifts totaling $36,157.67 from the following donors for scholarships and fellowships:

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<td>The Ed Lee and Jean Campe Foundation, New York City</td>
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<td>The Carpenter Foundation through Medford</td>
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<td>Hillsboro Union High School Student Body</td>
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<td>J. M. Harder Plumbing &amp; Heating, Portland</td>
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<td>George Heller Memorial Foundation, Inc., New York City</td>
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International Christian Scholarship
Foundation, La Canada, California $300.00
International Order of Job's Daughters,
Portland 900.00
Junior Achievement Columbia Empire, Inc.,
Portland 700.00
Latin American Scholarship Program of American
Universities, Cambridge, Massachusetts 2,743.50
Mallory Avenue Christian Church, Portland 414.00
Medford Senior High School 123.00
Meier and Frank Co., Inc., Portland 687.00
The Mogul Corporation, Cleveland, Ohio 1,000.00
Molalla Jayceettes, Junior Miss, Beavercreek 100.00
Mt. Tabor Presbyterian Church, Portland 300.00
Nez Perce Tribal Executive Committee,
Lapwai, Idaho 400.00
Oregon City Senior High School 150.00
Oregon Congress of Parents and Teachers, Inc.,
Portland 595.00
Oregon Federation of Women's Clubs, Salem 150.00
Oregonian Publishing Company, Portland 1,209.00
Oregon State Elks Association, Madras 630.00
Phelps-Stokes Fund, New York City 250.00
Portland Council of Parent-Teacher Associations,
Portland 400.00
Portland Rose Festival Association, Portland 272.00
Reynolds Education Association, Troutdale 100.00
Rotary Club, Roseburg 408.00
George H. Sandy Foundation, San Francisco,
California 900.00
Henry and Geraldyn Sicular Foundation, San
Francisco, California 1,000.00
Britton W. Smith Music Scholarship Fund,
Portland 500.00
Manton J. Spear, Spear Beverage Company,
Portland 400.00
Tektronix, Inc., Beaverton 3,000.00
Twenty and Four, Echelon No. 4, Department
of Oregon, Eugene 200.00
U. S. National Bank, Portland 383.00
U. S. World Figure Skating Team Memorial Fund,
Seattle, Washington 225.00
William B. Ward Scholarship Fund, Portland 500.00
Western Conference of Teamsters, Burlingame,
California 500.00
Willamette Industries, Inc., Albany 550.00
Women's Society of Christian Service, Hermiston 100.00
Wy'east High School, Hood River 100.00
Wy'east High School Parent-Teacher Association,
Hood River 175.00
Meeting #379-99

J. E. Allen
Gift of a collection of geological guidebooks covering explorations and field trips in various areas of the United States from Dr. John E. Allen, Portland. The gift is valued at $121 and is for use in the library.

American Express Investment Management Company
Grant of $1,000 from the American Express Investment Management Company, San Francisco, California, for the unrestricted use of the Investment Analysis Center, under the direction of Dr. Donald D. Parker, Dean of the School of Business Administration.

J. H. Atherton
Gift of $140 from Mr. John H. Atherton, Portland, to employ a student in the College Work Study Program in the Division of Social Science, August 1 through August 30, 1969, under the direction of Dr. George C. Hoffmann, Dean of the Division of Social Science.

The Bank of California Trust Department
Grant of $500 from The Bank of California Trust Department, Portland, for the unrestricted use of the Investment Analysis Center, under the direction of Dr. Donald D. Parker, Dean of the School of Business Administration.

N. P. Lamb
Gift of $155 from Mr. Neven P. Lamb, Portland, to employ a student in the College Work Study Program in the Division of Social Science, August 1 through December 31, 1969, under the direction of Dr. George C. Hoffmann, Dean of the Division of Social Science.

National Science Foundation
Grant of $2,000 from the National Science Foundation, Washington, D.C., "to support a program of Research Participation for College Teachers," October 29, 1969, through October 31, 1971, under the direction of Dr. Charlie R. Powell, Assistant Professor of Biology.

Portland Metropolitan Steering Committee-EOA, (Inc.)
Grant of $17,000 from the Portland Metropolitan Steering Committee-EOA, (Inc.), Portland, for "Administrating of the New Careers Program which involves training of participants in New Career Fields," September 1 through December 20, 1969, under the direction of Dr. Joseph Blumel, Associate Dean of the Faculties.

W. Suttles
Gift of $100 from Dr. Wayne Suttles, Portland, to employ a student through the College Work-Study Program as a research assistant in the Division of Social Science, under the direction of Dr. George C. Hoffmann, Dean of the Division of Social Science.

U. S. Public Health Service
Grant of $25,952 from the U. S. Public Health Service, Washington, D.C., for an "Undergraduate Training Proposal," September 1, 1969, through August 30, 1970, under the direction of Dr. Frank P. Terraglio, Associate Professor of Applied Science.
Oregon College of Education

Scholarships & Fellowships

Gifts totaling $27,860.27 from the following donors for scholarships and fellowships:

- Jim Aiken Memorial Scholarships Fund, Roseburg $500.00
- Albany Coordinating Council of Parent-Teacher Association, Albany 132.00
- Alpha Delta Kappa, Xi Chapter, Monmouth 100.00
- American Business Women's Association, Chemeketa Chapter, Salem 249.00
- American Legion Auxiliary, Sitka Unit, Sitka, Alaska 100.00
- American Water Works Foundation, Wilmington, Delaware 350.00
- Anonymous 150.00
- Associated Students of Cottage Grove High School 380.00
- Associated Students of Silverton Union High School 100.00
- Bend Jaycees, Bend 132.00
- Boise Cascade Corporation Foundation, Inc., Boise, Idaho 1,825.00
- Bureau of Indian Affairs, Portland 600.00
- Bureau of Indian Affairs, Junea, Alaska 1,200.00
- The Carpenter Foundation through Central Point School District, Central Point 366.68
- Central Maui Hawaiian Civic Club, Kahului, Maui, Hawaii 130.00
- Champoeg Lodge No. 27, AF & AM, Canby 125.00
- Cockerline Memorial Trust Fund through the U. S. National Bank, Salem 371.66
- Colville Indian Agency, Coulee Dam, Washington 500.00
- Community Resources, Inc., Salem 200.00
- Condon School District, Condon 250.00
- J. F. and R. W. Cooke Educational Fund, Condon 168.00
- Cottage Grove High School Student Body 300.00
- Crow Indian Agency, Crow Agency, Montana 200.00
- Crown Zellerbach Foundation, San Francisco, California 1,250.00
- Delta Kappa Gamma Society, Pi Chapter, Hood River 100.00
- Gresham Elks Club, Gresham 100.00
- Elks Lodge No. 1371, Bend 125.00
- Elks Lodge No. 1934, Brookings 400.00
- Elks Lodge No. 1413, Corvallis 369.00
- Elks Lodge No. 1972, Sweet Home 150.00
- Elks Lodge No. 1664, Toledo 150.00
- First Presbyterian Church Memorial Fund, Astoria 150.00
- Georgia-Pacific Foundation, Portland 750.00
The Ruth L. Griswold Trust Fund, through the Union and New Haven Trust Company, New Haven, Connecticut $ 264.00
International Order of Rainbow for Girls, Grand Assembly of Oregon, Tillamook 200.00
Maria C. Jackson Foundation, through the U. S. National Bank of Oregon, Portland 1,000.00
The S. S. Johnson Foundation, Redmond 350.00
Kiwanis Club, Lebanon 200.00
Kiwanis Club, Pendleton 300.00
Lions Club, Amity 200.00
Lions Club, Lincoln City 500.00
Lions Club, Mapleton 250.00
Lions Club, Yoncalla 178.50
Mapleton Parent-Teacher Association 200.00
K. E. McKay of Coos Bay, Inc., Coos Bay 375.00
MillBrae Education Association, Millbrae, California 225.00
Molalla Union High School MATA, Molalla 800.00
Mt. Edgcumbe-Sitka Business and Professional Women's Club, Sitka, Alaska 200.00
National Foundation of March of Dimes, Tillamook 500.00
Oregon Education Association, Tigard 300.00
Oregon State Grange, Women's Activity Department, Portland 200.00
Philomath Parent-Teacher Association 200.00
Grand Ronde Parent-Teacher Organization 100.00
Grand Chapter, Order of Eastern Star of Oregon (Leslie S. Parker Memorial Scholarship Fund), Portland 1,000.00
P. E. O. Sisterhood, Chapter AD, Prineville 175.00
P. E. O. Sisterhood, Oregon State Chapter, Reedsport 415.00
Philomath Junior-Senior High School 200.00
Portland Council of Parent-Teacher Associations, Portland 400.00
The Rinehart Foundation, Wheeler 600.00
Retail Employees Union Local 1092, Portland 500.00
Salem Memorial Hospital Auxiliary, Salem 500.00
Scio Classroom Teachers Association, Scio 100.00
Siletz Parent-Teacher Association 100.00
Siuslaw High School, Florence 250.00
Soroptimist Club of Sitka, Alaska 100.00
South Lane Education Association, Cottage Grove 150.00
South Santiam Educational and Research Project, through the Oregon State University Foundation, Corvallis 517.00
Stuckart Lumber Company, Sublimity 500.00
Sweet Home Scholarship Committee, Sweet Home 500.00
Howard Turner Educational Trust, through the U. S. National Bank of Oregon, Portland 383.00
The Twenty and Four, Echelon 4, Department of Oregon, Eugene 200.00
U. S. National Bank of Oregon Work/College Program, Portland 132.00
Meeting #379-102

Western Conference of Teamsters, Burlingame, California
Woolley Logging Company, Smith River Lumber Co., Drain Plywood Co., Drain
Woolley Logging Company, Drain
Yamhill-Carlton High School Parent-Teacher Association, Yamhill
Yoncalla Parent-Teacher Association, Yoncalla
Youth for Kennedy Memorial Fund, Grants Pass

$ 250.00
1,502.00
167.00
120.00
250.00
333.43

Jackson County IED
Grant of $2,000 from the Jackson County Intermediate Education District, Medford, "to provide in-service activities as part of a program for pre-school trainable mentally retarded children in Jackson County funded through ESEA Title VI," September 9 through December 31, 1969, under the direction of Dr. Harold D. Fredericks, Associate Professor, Teaching Research Division.

E. F. Johnson Company
Gift of an intonation trainer, valued at $450, from the E. F. Johnson Company, for use in the Music Department.

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

Southern Oregon College
Scholarships & Fellowships
Gifts totaling $33,480.44 from the following donors for scholarships and fellowships:

Champoeg Lodge No. 27, AF & AM, Canby $ 125.00
Port Orford Lodge No. 170, AF & AM., Port Orford 100.00
Aid Association for Lutherans, Appleton, Wisconsin 800.00
Air Force Aid Society, (The General Henry H. Arnold Educational Fund), Washington, D.C. 800.00
Altrusa Club, Medford 170.00
American Association of University Women, Coos Bay 300.00
Anchorage Borough Education Association, Anchorage, Alaska 250.00
Bate Plywood Company, Incorporated, Merlin 100.00
Mrs. Elizabeth Peters Binney, Boston, Massachusetts 700.00
Bureau of Indian Affairs, Crow Indian Agency, Crow Tribal Scholarship, Crow Agency, Montana 150.00
California Pacific Utilities Company, San Francisco, California 1,188.00
The Carpenter Foundation, through Ashland Senior High School, Ashland 1,689.00
The Carpenter Foundation, through Medford Senior High School, Medford 1,275.00
The Carpenter Foundation, through Phoenix High School, Phoenix 1,477.00

December 10, 1969
Central Point School District No. 6, $1,350.04
Central Point

Coast Guard Welfare, Board of Control, 450.00
Washington, D.C.

The Cook Foundation, Inc., Hamden, Connecticut 150.00

Crater Lions Club, Medford 168.00

Crown Zellerbach Foundation, San Francisco, 750.00
California

Delta Kappa Gamma, Epsilon Chapter, Ashland 132.00

Eagle Point High School Parent-Teacher 125.00
Association

Grand Chapter of Oregon, Order of Eastern Star 1,000.00
of Oregon, Portland

Elks Lodge No. 1371, Bend 110.00

Elks Lodge No. 1680, Burns 150.00

Elks Lodge No. 288, Pendleton 125.00

Ex-Newsboy's Association, Portland 500.00

Georgia-Pacific Foundation, Portland 250.00

Associated Student Body, Glide High School 100.00

Grand Guardian Council of Jobs Daughters, 600.00
Portland

Faculty, Gresham Union High School, Gresham 100.00

Hawaiian Trust Company, Limited, Honolulu, 450.00
Hawaii

International Order of Job's Daughters, Grand 300.00
Guardian Council of California, Larkspur,
California

Jackson Foundation Scholarship, through the U. S. 1,000.00
National Bank of Oregon, Portland

Earle and Minnie Johnson Trust, through the 346.00
Wells Fargo Bank, San Jose, California

Lane County Electric Cooperative Scholarship 200.00
Fund, through McKenzie High School, Finn Rock

Medford Senior High School, Medford (repre-
senting miscellaneous contributions from 304.00
several organizations)

Mildred Litster Scholarship Trust, through the 666.00
U. S. National Bank of Oregon, Medford

Marshfield Senior High School, Coos Bay 200.00

Medford Junior Chamber of Commerce 500.00

K. E. McKay of Coos Bay, Inc., Coos Bay 625.00

Medford Rotary Education, through Medford 402.00
Senior High School

National Honor Society, McLoughlin Union High 200.00
School Chapter, Milton-Freewater

National Scholarship Service and Fund for 250.00
Negro Students, New York City

Navy Relief Society, Washington, D.C. 1,730.00

State of Nevada Employees Association, 600.00
Carson City, Nevada

Associated Student Body, Oregon City Senior 150.00
High School, Oregon City (Pat Woods Memorial
Scholarship Fund)
Oregon Congress of Parents and Teachers, Inc., Portland $ 588.00
Oregon Council of the Blind, Inc., Portland 400.00
Oregon Education Association, Tigard 300.00
Oregon Golden Gloves, Inc., Portland 250.00
Oregon Shakespearean Festival Association,
Anqus Bowmer Scholarship, Ashland 500.00
Oregon State Elks Association, Madras 325.00
Oregon State Grange, Women's Activity
Department, Portland 200.00
Oxnard High School, Port Hueneme, California
(Adrian V. Harp Memorial Scholarship) 250.00
Bellview School, Parent-Teacher Association,
Ashland 127.00
Parent-Teacher Association, Coupeville, Washington 150.00
Parent-Teacher Association, Woodburn 100.00
Parent-Teacher Club, Paisley 150.00
P.E.O. Sisterhood, Oregon State Chapter, Reedsport 1,279.00
Phoenix High School, International Relations
League, Phoenix 115.00
Professional Baseball College Scholarship Plan,
New York City 333.00
Redwood Lions Club, Grants Pass 123.00
Rogue Valley Quaker Worship Group, Ashland 100.00
Roosevelt Parent-Teacher Association, Klamath Falls 250.00
Roosevelt Student Body, Roosevelt High School,
Portland 162.40
Rotary Club, Crescent City, California 500.00
Rotary Club, Medford 177.00
St. Mary's High School, Medford 600.00
Associated Student Body, District 7-J, Silverton 100.00
Soroptimist Club of Brookings 130.00
Southern Oregon Plywood, Grants Pass 250.00
Soroptimist Club, Klamath Falls 400.00
Frank TouVelle Trust Fund, through Crater High
School, Central Point 536.00
Frank TouVelle Trust, through Medford Senior
High School, Medford 290.00
Frank TouVelle Scholarship, through Phoenix
High School 167.00
U. S. National Bank, Portland 396.00
Britt Memorial Scholarship Fund, Medford 1,000.00
Winston-Dillard Public Schools, Dillard 125.00

Eastern Oregon College

Scholarships & Gifts totaling $16,433 from the following donors for scholar-
Fellowships ships and fellowships:

Baker Jaycees, Baker $ 250.00
Boise Cascade Corporation Foundation, Inc.,
Boise, Idaho 2,525.00
Confederated Tribes of the Warm Springs Reserva-
tion of Oregon, Warm Springs 5,510.00
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<td>Elks Lodge No. 1869, Condon</td>
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**Oregon Technical Institute**

**Scholarships & Fellowships**

Gifts totaling $2,191 from the following donors for scholarships and fellowships:

- Henley Parents and Patrons Club, Klamath Falls $ 100.00
- Independent Order of Oddfellows, Stockton Lodge No. 11, Stockton, California $ 150.00
- Kiwanis Club, Klamath Falls $ 150.00
- Klamath Saddle Club, Klamath Falls $ 125.00
- KQEN, Roseburg $ 350.00
- Dr. John H. Lawrence, Orinda, California $ 830.00
- Weyerhaeuser Company, Klamath Falls $ 500.00

**Chrysler Corporation, Dodge Division**

Gift of a Dodge 500 Station Wagon, 1969 Model, valued at $3,200, from the Chrysler Corporation, Dodge Division, Portland, for use in the Auto-Diesel Technology Department under the direction of Mr. Ray G. Prevost, Dean of Faculty.
A. Compton
Gift of X-Ray equipment, valued at $2,200, from Dr. Arthur Compton, Klamath Falls, for use in the Physical Science Technologies Department, under the direction of Mr. Ray G. Prevost, Dean of Faculty.

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

Division of Continuing Education
Grant of $13,750 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., "to operate the Western Institute of Drug Problems Summer School to be held in Portland," August 11 through August 16, 1969, under the direction of Mrs. Aileen McNett, Coordinator. Any excess of income over expenditures except for credit fees will be transferred to the Mental Health Division after completion of the program.

ADJOURNMENT
The Board adjourned at 3:00 P.M.

George H. Layman, President
R. L. Collins, Secretary