the Chancellor recommended the foregoing amendment of Section D of the Administrative Code.

During the Committee discussion, it was indicated that the health service fee needs to be reviewed, including the basis of support and how it might be treated. It was suggested that it might be separated from the incidental fee budget and established on the basis of a required insurance program in order to reflect the accelerated health service programs and the higher cost of medical services. If it continues to be supported by the incidental fee, there would necessarily be a reduction in other programs supported by the incidental fee or the total incidental fee would need to be increased to meet rising costs. Various alternatives were mentioned which will be considered and presented for further study.

In the discussion it was indicated that the 1970-71 annual budget from incidental fees is already established under current student fee expenditure policies and any extensive changes would be incorporated into the 1971-1973 biennial budget.

Mr. Ron Eachus, Student Body President at the University of Oregon, emphasized the need for both meaningful and predominant student participation in the budgeting of incidental fee monies. Mr. Donald Lewis explained that the wording of the recommendation was the consensus of the members of the Interinstitutional Committee on Incidental Fees. It was the intention that students would have meaningful participation in all phases of incidental fee expenditures, but that they would have a greater voice in those related to educational activities programs, such as student government, student union programs, student publications, and other student body programs.

Mr. Eachus asked that action on the policies and procedures for student incidental fees be deferred until October 1970, in order to provide an opportunity for the students at the other institutions to review the proposals. It was indicated by Board members that the policies had been approved by the student bodies of all institutions last year and if the policies are to be referred to the students annually, perhaps they should not be incorporated into the Administrative Code.

The Finance Committee recommended that the Board approve the recommendations as presented for inclusion in the Administrative Code, with the understanding that the health service specifically will be discussed at greater length at an early Board meeting.

After summarizing the information and recommendation from the Board's Committee on Finance and Business Affairs, Mr. Holloway indicated that the Finance Committee wished to insert a clarifying amendment in its recommendation. Mr. Holloway asked Vice Chancellor Holmer to present the proposed amendment. Mr. Holmer read the following additional words to be inserted after the word "shall" in the first
line of paragraph two on page 540, preceding: "have the final authority and responsibility to review and."

The above amendment has been identified and inserted in context in paragraph 2, on page 540, preceding. Mr. Holmer indicated that the above amendment was recommended on advice from the Board's attorney, Mr. Ray Underwood. Mr. Holmer stated that the added words were intended to make it clear that the institution executive, as he does with all institution operating budgets, has the ultimate and final responsibility in recommending budgets to the Board through the Chancellor.

Mr. Holloway then said that the Finance Committee recommended the inclusion of the statement shown on page 540, preceding, including the amendment referred to above, and he so moved.

In the discussion which followed Mr. Holloway's motion, Mrs. Johnson inquired whether the proposed provisions of paragraph a on page 540, preceding, would result in Board policies and procedures for the State System or in different sets of policies and procedures for each institution. She then questioned the inclusion of the words "predominant weight" (to be given to student recommendations with respect to student educational activity programs and other student activity programs in college unions, as shown in paragraph b on page 540, preceding).

She said she wondered whether use of the words referred to above might detract from the authority and responsibility delegated to the institution executives in the other paragraphs shown on page 540, preceding, and proposed to be included in the Board's Administrative Code.

President Layman invited Student Body Presidents Douglas Sweet of Oregon State University and Ron Eachus of the University of Oregon to present their views on the wording of the proposed section in the Administrative Code to establish policies and procedures in the allocation and budgeting of Incidental Fees. Mr. Eachus, from the University of Oregon, said he felt that the students should be given final authority in the allocation and budgeting of the incidental fees in both the student educational activities and in other areas. Mr. Sweet, of Oregon State University, suggested that the recent court case instituted by the student bodies in connection with control of the incidental fees should help to emphasize the type of control which the students have been seeking. He suggested that the Board assign control of the incidental fee money to the students and also control of the policies and procedures for student unions, student government and related student activities.

The Board voted in favor of Mr. Holloway's motion to approve the statement of Board policies and procedures related to Incidental Fees for inclusion in the Board's Administrative Code, as shown on page 540, preceding, and as amended by the addition suggested by Mr. Holloway and Mr. Holmer, also shown on page 540, preceding, subject to further hearing and consideration of the matter at the special Board meeting scheduled for August 18, 1970.
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: This arrangement in itself would not change 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. (An item substantially as that above was deferred at the December 10, 1969, Board meeting, pending determination of the court action relating to Incidental Fees.)

Student representatives and institutional officials pointed out that careful consideration should be given to the procedure for the allocation of the amounts for the gym suit service at individual institutions. It was stated that because of differences in operating costs and variations in programs and the amount of the incidental fee, it would be desirable to determine the fees on a basis which would be equitable to all of the institutions affected. It was indicated also that it is important to maintain as much institutional flexibility as possible in terms of the activities provided from the incidental fee.

Mr. Holloway stated that the recommendation was primarily concerned with policy and the implementation of the policy would be a separate decision, which can be worked out in connection with the preparation of the operating budgets for year 1971-72.

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

The Board approved the recommendation as presented.

The Interinstitutional Committee on Residence Classification recommended, with the concurrence of the Chancellor, that section K-2-B(2) of the Administrative Code be revised to read as follows: (words in parentheses to be deleted; underscored words to be added)

(2) An emancipated student, as defined above, who comes to Oregon to attend an institution under the Board's control, and establishes an Oregon domicile, shall pay a nonresident fee unless he establishes his Oregon domicile at least six months prior to the time of his registration, and does not
attend an Oregon institution (under the Board's control) of higher education, including a community college, during any part of such six-month period; provided, however, that an emancipated student who did not establish his Oregon domicile at least six months prior to this initial registration at an institution under the Board's control, and who pays nonresident fees for an entire school year, may establish his domicile in Oregon for purposes of paying resident fees in accordance with the provisions of Section C of K-2.

This change is designed to make clear that an emancipated individual cannot establish residence for fee purposes by coming to Oregon and attending a community college or private college during the first six months of his Oregon residence, as he now can.

The Board approved the recommendation as presented, to be finally acted upon by the Board at its special meeting scheduled for August 18, 1970.

President Layman announced the following Committee and Board meetings:

Board Committee meetings and Special Board Meeting, August 17 and 18, 1970, Michael J. Smith Memorial Center, Portland State University, beginning at 9:00 A.M. in Room 328-29.

Regular Board Meeting, September 8, 1970, University of Oregon, Eugene.

Joint meeting with State Board of Education, September 9, Salem.

Mrs. Johnson said she felt there was an inconsistency among the institutions in the kinds of curricular changes brought to the Board for action, which should be cleared up. She said she had reviewed curricular actions of the Board over a period of time, and noted that the Committee on Academic Affairs had acted on a number of requests from institutions for changes in basic requirements for graduation, but that when such changes were made by the University of Oregon they either were not brought to the Board at all for review or were presented in the form of an announcement. If the Board chooses to delegate some of its responsibilities for setting admission standards, or for certifying students who have met requirements for degrees, she continued, it should do so consciously and the policy should be observed by all of the nine institutions.

Mrs. Johnson continued that it seemed to her that "at least three serious issues" were raised by changes in graduation requirements made by the University of Oregon during the past few months: (1) the increase in pass-no pass hours permitted to over half the total number of hours required for graduation, (2) the definition of the proficiency standard represented by the grade of P, and (3) the transferability of P grades within the System, from the community colleges, and to professional and graduate schools. In respect to the first issue, she said there was the possibility of many unanticipated results, among them the opportunity for students to maneuvering courses to graduate with a deceptively high GPA. In respect to
definition of a P grade, she said, since there was no assurance that the grade P would represent at least C work, the assertion by the University of Oregon that the new grading system will do away with granting credit toward graduation for D work was not borne out. Third, she said, the University of Oregon faculty-student committee recommending the new grading system makes reference to possible difficulties for transfer students, but dismisses these difficulties with statements that they do not think they will cause major problems.

In view of these issues, Mrs. Johnson recommended that the Board advise its Committee on Academic Affairs to consider the following actions:

1. Direct that all changes in basic requirements for graduation are to be brought to the Board for consideration and approval or disapproval.

2. Request a thorough analysis of the reasons for the increase in pass hours acceptable toward the baccalaureate degree to more than one-half the total hour requirement.

3. Require from the University of Oregon as early as possible in the 1970-71 year a report and evaluation of the application of the new grading standard particularly as it affects problems related to transfer.

4. Affirm that the Board is not permanently approving the changes in basic graduation requirements under discussion, particularly the pass-no pass option.

5. Request an analysis of the way search courses are handled, particularly in respect to how it is assured that all such courses are excluded from satisfying general education requirements for graduation.

Mrs. Johnson moved that the Academic Affairs Committee of the Board be authorized to study changes in graduation requirements at the University of Oregon as suggested and report to the Board.

President Clark said he had no objection to Mrs. Johnson's proposal. He said the issues with which she was concerned had been debated extensively by the University faculty, and had been subjected to careful study because the proposed changes were innovative. He said he felt it was a time for innovation in higher education, although he acknowledged that some innovation "has been less mindful than it should have been." On the whole, he said, the innovations approved by the University of Oregon faculty are conservative.

*Mrs. Johnson's statements on these subjects are covered more fully in a memorandum which she sent to Board members under date of July 23, 1970. The July 23, 1970, memorandum is included as Appendix B to these minutes.
In respect to bringing these matters to the Board, he said he would be regretful if the University had left the impression it was indifferent to Board policy. He said it had been his own experience in serving on university faculty committees over the year that the sorts of changes alluded to by Mrs. Johnson had not been taken to the Board for its approval.

In conclusion, he said he did not feel the changes at the University of Oregon represented an erosion of standards, and he would hope that the Board would find enough good in the University's innovations to result in both the Board's approval and its applause.

The motion was approved, Mr. Holmes voting no.

President Layman then asked for the report of the Nominating Committee for nominations for Board officers to serve during 1970-71. Mr. Holloway nominated Mr. George H. Layman and Mr. John W. Snider for President and Vice-President respectively.

Mr. Layman asked Mrs. Johnson to preside during the election of officers. Mr. Corey moved that the nominations be closed and that the Secretary of the Board be instructed to cast a unanimous ballot for Mr. George H. Layman as President of the Board and Mr. John W. Snider as Vice-President of the Board. The motion was approved unanimously and Mrs. Johnson declared that Mr. Layman and Mr. Snider had been duly elected.

Mr. Layman expressed his appreciation of the honor of serving again as President of the Board and indicated his willingness to accept that office for another year.
It was recommended that the following personnel adjustments and appointments as submitted by the Institutional Executives concerned be approved, the necessary funds being provided in the 1969-70 budgets, or as indicated. Unless otherwise stated, appointments and adjustments in salary, rank, title and months of service are effective July 1, 1970. (See Board action following list of adjustments and appointments.)

<table>
<thead>
<tr>
<th>Budgeted Name, Rank, and/or Title, Department</th>
<th>Mo. of Service</th>
<th>Present Service Rate</th>
<th>Recommended Salary Rate</th>
<th>Source of Funds</th>
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</thead>
<tbody>
<tr>
<td>Oregon State University</td>
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<tr>
<td>Mr. Fred M. Shideler, Director of University Relations and Assistant to the President</td>
<td>12</td>
<td>$20,568</td>
<td>$22,008</td>
<td>Budget (Previously scheduled to retire on June 30, 1970, but is continuing on staff.)</td>
</tr>
<tr>
<td>Dr. John V. Byrne, Professor of Oceanography and Chairman of Department of Oceanography</td>
<td>12</td>
<td>23,328</td>
<td>24,600</td>
<td>Budget (In recognition of extensive responsibilities and excellent performance.)</td>
</tr>
<tr>
<td>Dr. L. W. Martin, Assistant Professor, Department of Horticulture</td>
<td>12</td>
<td>13,404</td>
<td>15,450</td>
<td>Budget (New assignment as Superintendent of North Willamette Experiment Station.)</td>
</tr>
<tr>
<td>Dr. Timothy J. Facteau, Mid-Columbia Experiment Station</td>
<td>12</td>
<td>12,972</td>
<td>14,500</td>
<td>Grant (To retain his services until completion of contract research.)</td>
</tr>
<tr>
<td>Dr. Roger Fendall, Associate Professor of Agronomy</td>
<td>12</td>
<td>14,424</td>
<td>15,072</td>
<td>Budget (Appointment as Assistant Dean of Agriculture with rank of Associate Professor of Agronomy, increased responsibilities.)</td>
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<td>Dr. Jeanne E. Dost, Assistant Professor of Economics</td>
<td>9</td>
<td>12,251</td>
<td>12,609</td>
<td>Budget (Continuation of appointment to fill a temporary vacancy; effective September 16, 1970.)</td>
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<tr>
<td>Dr. Casmer Heilman, Instructor in Education</td>
<td>9</td>
<td>11,300</td>
<td>12,000</td>
<td>Grant (Advance in rank to Assistant Professor upon completion of doctoral degree; effective September 16, 1970.)</td>
</tr>
<tr>
<td>Mr. Duane P. Johnson, Assistant Professor and Multnomah County Extension Agent</td>
<td>12</td>
<td>12,348</td>
<td>13,620</td>
<td>Budget (New assignment as Specialist in 4-H Youth Development with increased responsibilities; effective June 6, 1970.)</td>
</tr>
<tr>
<td>Mr. Fredrick J. Burgess, Professor and Head of Civil Engineering</td>
<td>12</td>
<td>21,320</td>
<td>25,200</td>
<td>Budget (Appointment as Acting Dean of Engineering with increased responsibilities, effective June 16, 1970.)</td>
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<td>Meeting #387-80</td>
<td>548</td>
<td>July 27, 1970</td>
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<td><strong>Budgeted Name, Rank, and/or Title, Department</strong></td>
<td><strong>Mo. of Service</strong></td>
<td><strong>Present Salary Rate</strong></td>
<td><strong>Recommended Salary Rate</strong></td>
<td><strong>Source</strong></td>
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<td>Dr. Theran D. Parsons, Assistant Dean of Science</td>
<td>12</td>
<td>$20,304</td>
<td>$25,200</td>
<td>Budget (Appointment as Acting Dean of Science; increased responsibilities, effective June 16, 1970.)</td>
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<tr>
<td>Dr. R. W. Kronstad, Associate Professor of Agronomy</td>
<td>12</td>
<td>$15,036</td>
<td>$16,540</td>
<td>Grant (Salary adjustment provided for consultants while on overseas assignments to defray added costs; effective April 14 to May 18, 1970.)</td>
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<tr>
<td>Dr. Roger E. King, Assistant Professor of Education</td>
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<td>13,086</td>
<td>13,212</td>
<td>Budget (Increased responsibilities; effective September 16, 1970.)</td>
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<tr>
<td>Dr. Roy A. Young, Dean of Research</td>
<td>12</td>
<td>-</td>
<td>34,008</td>
<td>Budget (Transfer from Acting President to Vice President for Research and Graduate Studies.)</td>
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<tr>
<td><strong>University of Oregon</strong></td>
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<tr>
<td>Mr. William D. Hawks, Associate Director, Tongue Point Job Corps</td>
<td>12</td>
<td>13,560</td>
<td>14,100</td>
<td>Grant (Increase provided in grant.)</td>
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<tr>
<td>Miss Gertrude J. Meriwether, Assistant Director, Tongue Point Job Corps</td>
<td>12</td>
<td>13,176</td>
<td>13,704</td>
<td>Grant (Increase provided in grant.)</td>
</tr>
<tr>
<td>Mr. William C. Patterson, Assistant Director, Residential Management</td>
<td>12</td>
<td>12,960</td>
<td>13,476</td>
<td>Grant (Increase provided in grant.)</td>
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<tr>
<td>Mr. Vertist Crawford Edwards, Director, Student Affairs</td>
<td>12</td>
<td>11,000</td>
<td>11,436</td>
<td>Grant (Increase provided in grant.)</td>
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<tr>
<td>Dr. Veldon Boge, Associate Director of Health Services</td>
<td>12</td>
<td>28,000</td>
<td>29,124</td>
<td>Grant (Increase provided in grant.)</td>
</tr>
<tr>
<td>Dr. John Harold Kidby, Dentist</td>
<td>12</td>
<td>19,080</td>
<td>19,848</td>
<td>Grant (Increase provided in grant.)</td>
</tr>
<tr>
<td>Dr. John Straube, Dentist</td>
<td>12</td>
<td>17,000</td>
<td>17,676</td>
<td>Grant (Increase provided in grant.)</td>
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<tr>
<td>Mr. Wadell Snyder, Deputy Director, Tongue Point Job Corps</td>
<td>12</td>
<td>16,200</td>
<td>16,848</td>
<td>Grant (Increase provided in grant.)</td>
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<tr>
<td>Mr. Robert Randolph Graden, Director, Financial Services, Tongue Point</td>
<td>12</td>
<td>14,000</td>
<td>14,556</td>
<td>Grant (Increase provided in grant.)</td>
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<tr>
<td>Dr. Robert Gilberts</td>
<td>12</td>
<td>-</td>
<td>32,000</td>
<td>Budget (Appointment as Dean of the College of Education with rank of Professor; effective September 1, 1970, indefinite tenure.)</td>
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<tr>
<td>Budgeted Name, Rank, and/or Title, Department</td>
<td>Mo. of Service</td>
<td>Present Salary Rate</td>
<td>Recommended Salary Rate</td>
<td>Source of Funds</td>
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<tr>
<td>Dr. Burton Moyer</td>
<td>12</td>
<td>$ 32,000</td>
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<td>Budget</td>
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<tr>
<td>(Appointment as Dean of the College of Liberal Arts and Professor of Physics; effective January 1, 1971, with indefinite tenure.)</td>
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<tr>
<td>Mr. Frederick A. Cuthbert, Acting Dean and Professor of Landscape Architecture and Urban Planning</td>
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<tr>
<td>12 27,800 $ 27,800 Budget (Appointment as Dean of the School of Architecture and Allied Arts; salary remains at rate indicated in 1970-71 budget.)</td>
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<td>Dr. Perry D. Morrison, Professor of Librarianship</td>
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<td>12 17,224 22,000 Budget (Designation as Acting Dean of the School of Librarianship, effective July 1, 1970; change from 9 to 12-months' service was effective June 16, 1970.)</td>
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<td>University of Oregon Medical School</td>
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<tr>
<td>Dr. J. J. Faber, Associate Professor of Physiology</td>
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<td>12 3,000 3,500 Budget (Increase delayed for this portion of his time—23 percent—pending determination of remainder of his stipend from American Heart Association fellowship.)</td>
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<td>Dr. David W. Johnson, Associate Professor of Public Health and Epidemiology</td>
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<td>12 23,500 27,500 Budget (Designation as Program Coordinator of the Oregon Regional Medical Program and increased responsibilities; effective June 1, 1970.)</td>
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<td>Dr. Rudolf Engel, Professor of Pediatrics</td>
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<td>Dr. Jean P. MacFarlane, Health Service Physician</td>
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<td>Dr. Melissa L. Buchan, Health Service Physician</td>
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<td>Portland State University</td>
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<tr>
<td>Dr. Joseph C. Blumel, Dean of Faculties and Dean of Undergraduate Studies</td>
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<tr>
<td>12 20,508 26,448 Budget (Appointment as Vice President for Academic Affairs, effective August 1, 1970.)</td>
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<tr>
<td>Mr. W. T. Lemman, Jr., Director of Business Affairs</td>
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<tr>
<td>12 24,492 $ 24,492 Budget (Appointment as Vice President for Business and Finance; effective August 1, 1970.)</td>
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<td>Mr. Channing W. Briggs, Dean of Students</td>
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<tr>
<td>12 20,040 20,040 Budget (Appointment as Dean of Admissions and Records.)</td>
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</tbody>
</table>
Meeting #387-82

July 27, 1970

Budgeted Name, Rank, and/or Title, Department

Mo. of Present Recommended Source
Service Salary Rate Salary Rate of Funds

Mr. William D. Williams, Associate Dean of Students
12  $ 16,000  $ 18,000 Budget
(Designation as Acting Dean of Students with added responsibilities.)

Dr. David T. Clark
12  —  26,004 Budget
(Appointment as Dean of Graduate Studies, with rank of Professor of Biology; yearly tenure; effective September 1, 1970.)

Dr. William H. Hamilton
12  —  27,000 Budget
(Appointment as Dean of Arts and Letters with rank of University Professor; yearly tenure; effective August 1, 1970.)

Oregon College of Education

Dr. Donald H. Duncan, Professor of Education
9  14,795  16,570 Budget
(Designation as Chairman of Education and Psychology Department; effective September 16, 1970.)

Eastern Oregon College

Dr. Kendall W. Baxter, Associate Professor of Physical Science
9  12,060  12,330 Budget
(Increased responsibilities as acting department chairman and coordinator of NSF Science Workshop; effective September 16, 1970.)

Dr. James L. Weems, Assistant Professor of Psychology
9  11,430  12,276 Budget
(In recognition of his completion of the Ph.D. degree; effective September 16, 1970.)

In the Board discussion of the personnel adjustments, Mr. Stewart stated that some of the appointments had been announced in the press as being effective prior to their consideration and approval by the Board. He said that either the Board should not be acting on personnel adjustments or the appointments and adjustments should be presented to the Board before they become effective.

Mrs. Johnson concurred that the Board's present position was completely untenable and needed to be clarified so that the Board was not in the position of approving accomplished actions which have already been announced, thus making Board approval meaningless.

Also during the discussion, Mr. Stewart and Mr. Corey stated that approval of the personnel actions listed in the docket was not unanimous in all cases. Mr. Layman indicated that in this instance the approvals and considerations were not of a routine nature.

The Board then approved the personnel adjustments as presented.
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 acknowledgment to the donors and grantors. The Board approved the recommendation as presented.

Oregon State University

Scholarships & Fellowships

Gifts totaling $11,735.23 from the following donors for scholarships and fellowships:

- The African-American Institute, New York, New York $2,721.00
- American Legion Auxiliary, Department of Oregon, Dundee 175.00
- Bate Plywood Company, Merlin 100.00
- Corvallis High School Parent-Teacher Association, Corvallis 200.00
- Elks Lodge No. 180, Astoria 100.00
- Future Farmers of America, Pendleton 150.00
- Good Samaritan Hospital & Medical Center, Portland 250.00
- Harvey Aluminum, The Dalles 350.00
- Intermediate Education District, Roseburg 208.00
- Lebanon Union High School, Lebanon 150.00
- John Marshall High School, Portland 150.00
- Massachusetts Life Fund, Salem 200.00
- McMinnville Lions Club, McMinnville 175.00
- National Collegiate Athletic Association, Kansas City, Missouri 1,000.00
- Oregon Extension Homemakers Council, Corvallis 350.00
- Oregon Federation of Business and Professional Women's Club, Portland 534.00
- Oregon State University Mother's Club, Ashland 2,720.00
- P. E. O. Sisterhood, Oregon State Chapter, Agate Beach 250.00
- Robert Johnson Trust Fund 1,552.23
- St. Andrews Society of Oregon, Portland 200.00
- Walker Scott Company, San Diego, California 100.00
- Wasco, Hood River and Sherman Counties Legal Secretaries Association, Hood River 100.00

American Society for Metals

Grant of $100 from the American Society for Metals, Lake Oswego, Oregon, to be used to add to the W. J. Kroll Metallurgical Collection in the Library.

The Anaconda Company

Grant of $3,491 from the Anaconda Company, Tucson, Arizona, for research entitled, "Sulfur Isotope Investigation of Sulfate-Sulfide mineral assemblages from El Salvador, Chile," March 1, 1970, through February 28, 1971, under the direction of Dr. Cyrus W. Field, Associate Professor of Geology.
Gift of a collection of books in the field of Russian language and literature, in memory of Mrs. Anita Jurgenson, from Mr. E. Cameron Brown, Oakland Park, California. The gift is valued at $132.90.

Grants totaling $75,320.65 from the Educational Coordinating Council, Salem, for research, instructional programs and projects, and other purposes, as follows:

1. $10,966 - "Inter-Institutional Plan for Improving Instruction in Industrial Engineering and Data Processing Technology," June 12, 1970, to June 11, 1972, under the direction of Dr. Michael S. Inoue, Associate Professor of Industrial Engineering.

2. $6,632 - To accommodate expenditures for improvement of instruction in a teacher training program entitled, "Teacher Training in Effective Group Instruction," June 12, 1970, to June 11, 1972, under the direction of Dr. G. L. Becker, Associate Professor of Education.

3. $7,917 - To accommodate expenditures for improvement of instruction in a project entitled, "Improving the Quality of Undergraduate Instruction in Basic Studio Courses in the Visual Arts," June 12, 1970, to June 11, 1972, under the direction of Dr. Berkley Chappell, Associate Professor of Art.

4. $45 - Further support of improvement of undergraduate instruction in a project entitled, "Teaching of Design through Community Involvement," January 1, 1970, through January 15, 1972, under the direction of Mr. David Hardesty, Instructor in Art.

5. $12,000 - A program for the improvement of undergraduate instruction entitled, "Development of an Integrated Laboratory Program for all Non-Major Chemistry Students," from April 24, 1970, to April 23, 1972, under the direction of Dr. W. H. Slabaugh, Professor of Chemistry.

6. $12,127 - For the improvement of undergraduate instruction entitled, "Use of Video Tape in presenting the Major Linguistic Features of Spanish," May 25, 1970, to May 24, 1972, under the direction of Dr. Walter I. Lusetti, Associate Professor of Modern Languages and Mr. Robert D. Kiekel, Assistant Professor of Modern Languages.

7. $6,000 - For improvement of undergraduate instruction entitled, "The Engineer and Society - an Interdisciplinary Program," from May 25, 1970, to May 24, 1972, under the direction of Dr. Robert W. Filmer, Assistant Professor of Civil Engineering.

8. $3,727 - A program for the improvement of undergraduate instruction entitled, "Use of Laboratory Experiments as Aid in Teaching Principles of Pharmacology," May 25, 1970, to May 24, 1972, under the direction of Dr. Ronald H. Winters, Assistant Professor of Pharmacology.
9. $15,260 - A grant for the improvement of undergraduate instruction, a program entitled, "Development and Implementation of New Model for Preparation of Teacher's of Early Adolescents," May 25, 1970, to May 24, 1972, under the direction of Dr. Carvel W. Wood, Associate Professor of Education.

10. $106,65 - A grant for the improvement of undergraduate instruction as supplemental support for a project entitled, "Experimental Instructional Projects in Elementary Philosophy," January 16, 1970, to January 15, 1972, under the direction of Dr. F. P. Harris, Chairman of Philosophy.

11. $216.00 - For the improvement of undergraduate instruction as supplemental support for a project entitled, "The Implementation of Large Group Individualized On-Sight Instruction in an Elementary Reading Methods Course," from January 16, 1970, to January 15, 1972, under the direction of Dr. Gwyneth E. Britton, Assistant Professor of Education.

12. $324 - A supplemental support project for the improvement of undergraduate instruction entitled, "The Use of Video Tapes as an Audio-Visual Aid for a General Education Course, Outlines of Economics," from January 16, 1970, to January 15, 1972, under the direction of Dr. L. G. Harter, Jr., Professor and Chairman of Economics.

Electronic Memories

Gift of five #910800-A01 Micromemories for student laboratory experience in the Department of Electrical and Electronics Engineering, valued at $2,500.00, from Electronic Memories of Hawthorne, California.

Mrs. B. W. Fairbanks

Gift of a collection of journals entitled, Dairy Science Abstracts (1960-69) and Journal of Dairy Science (1948-1962), from Mrs. B. W. Fairbanks of Corvallis from the collection of the late Dr. B. W. Fairbank to the Department of Food Science and Technology Library. The gift is valued at $437.50.

Fisher Pierce Bearcat, Inc.

Gift of equipment, valued at $900, from Fisher Pierce Bearcat, Inc., Rockland, Massachusetts. The equipment consisted of an outboard motor for use in the small boat hydraulic power project.

Georgia-Pacific Corp.

Grant of $574 from the Georgia-Pacific Corporation of Samoa, California, for research entitled, "Continuous Automatic Analysis of Liquid Streams," from May to September 1970, under the direction of Dr. Harry Freund, Professor of Chemistry.

G. W. Gleeson

Gift from Dean George W. Gleeson, Corvallis, of a collection of engineering books, valued at $529.00.

IBM Corp.

Gift of equipment, valued at $8,000, from the IBM Corporation, Armonk, New York, for the laboratories to be used in the new program in Nuclear Engineering under Dr. Lamar Bupp, Professor of Nuclear Engineering.
H. D. Jenkins  Gift of a collection of books in the field of English literature, from Dr. Harold D. Jenkins, Corvallis. The gift is valued at $515.

S. C. Jones  Gift of art objects and art history documents, valued at $125, from Mr. Sidney C. Jones, Corvallis.

Keikhaefer Mercury  Gift of equipment, valued at $925, for the small boat hydraulic power project being conducted by Professor R. Barry Fisher. The gift is from Keikhaefer Mercury, Fond du Lac, Wisconsin.

Mid-Willamette Valley Air Pollution Authority  Grant of $3,000 from Mid-Willamette Valley Air Pollution Authority, Salem, "to accommodate expenditures for an investigation of existing meteorological data and meteorological stations in the Mid-Willamette Region," October 15, 1969, to June 1, 1970, under the direction of Dr. L. E. Olsson, Assistant Professor of Atmospheric Science.

C. Miller  Gift of books, magazines and picture albums, valued at $152, from Colonel Curtis Miller, Portland, for the use of the Oregon State University Library.

National Endowment for the Humanities  Grant of $9,942 from the National Endowment for the Humanities, Washington, D.C., for research entitled "Man in the Marine Environment," from July 1, 1970, through June 30, 1971, under the direction of Dr. W. A. Davis and Dr. T. C. Hogg, Associate Professors of Anthropology, and Dr. Courtland Smith, Assistant Professor of Anthropology.

National Science Foundation  Grants totaling $467,784 from the National Science Foundation, Washington, D.C., for research, training programs, equipment, and other purposes, as follows:

1. $40,100 - "Physiological Ecology of Dinoflagellate Bioluminescence," July 1, 1970, through June 30, 1972, under the direction of Dr. Herbert Curl, Jr., Professor of Oceanography.

2. $160,459 - "To accommodate expenditures for operational costs under a graduate traineeship program," February 27, 1970, through September 30, 1971, under the direction of Dr. Carl Bond, Assistant Dean of the Graduate School.

3. $4,500 - To accommodate expenditures for instructional scientific equipment, July 1, 1970, through July 31, 1972, under the direction of Professor Donald L. Amott, Associate Professor of Electrical Engineering.

4. $95,700 - "Chemical Equilibria in Sea Water," July 1, 1970, to June 30, 1972, under the direction of Dr. Ricardo M. Pytkowicz, Associate Professor of Oceanography.


6. $14,800 - "Optimization in Chromatography," June 1, 1970, to May 31, 1971, under the direction of Dr. Stephen J. Hawkes, Associate Professor of Chemistry.
7. $8,500 - "Submersion Mappings on Manifolds," June 15, 1970, through June 14, 1971, under the direction of Dr. J. Wolfgang Smith, Professor of Mathematics.

8. $8,500 - "Research Training at the Marine Science Center," April 1, 1970, through March 31, 1971, under the direction of Dr. Joel W. Hedgpeth, Director of the Marine Science Center.

9. $56,500 - "Provenance of North Pacific Sediments," July 1, 1970, through June 30, 1971, under the direction of Dr. Jack R. Dymond, Assistant Professor of Oceanography, and Dr. G. Ross, Research Associate, Oceanography.

10. $23,000 - "For the purchase of reactor heat-exchange components to enhance materials research products, May 28, 1970, through May 27, 1971, under the direction of Dr. C. H. Wang, Head of the Radiation Center.

11. $3,125 - "To accommodate expenditures for a science faculty fellowship award in behalf of Robert E. Hamernick in the field of Engineering," June 1, 1970, through September 30, 1971, under the direction of Dr. John Peterson, Associate Professor of Civil Engineering.

12. $5,100 - "For participants and costs for the 1970-71 Graduate Fellowship Program," June 1, 1970, through August 30, 1971, under the direction of Dr. H. P. Hansen, Dean of the Graduate School.

13. $34,100 - "Electron Traps in Polar Crystals," July 1, 1970, to June 30, 1972, under the direction of Dr. Allen B. Scott, Professor of Chemistry.

Grants totaling $14,352 from the Oregon State Board of Education, Salem, to provide funds for training programs, as follows:

1. $7,200 - "To accommodate expenditures for six summer session traineeships to study health and learning impediment problems," June 22, 1970, to August 14, 1970, under the direction of Mr. Hugh P. Jeffrey, Business Manager.

2. $7,152 - "To accommodate expenditures for participants under a vocational education project for Disadvantaged and Handicapped," May 18, 1970, to June 30, 1970, under the direction of Dr. Henry Ten Pas, Director of Vocational Education.

Grant of $5,000 from the Oregon State Department of Environmental Control, Portland, for "An Investigation of Existing Meteorological Data and Meteorological Stations in Western Oregon," October 15, 1969, to June 1, 1970, under the direction of Dr. Lars E. Olsson, Assistant Professor of Atmospheric Sciences.

Gift of 61 books mainly in the fields of accounting and business administration from Mr. P. Solomon, Corvallis. The gift is valued at $248.25.
Outboard Marine Corporation  Gift of equipment, valued at $2,166, for small boat hydraulic power project being conducted by Professor R. Barry Fisher, from the Outboard Marine Corporation, Waukegan, Illinois.

T. G. Scott  Gift of a set of Publicacoes Culturais of the Angolian Diamond Company, from Dr. Thomas G. Scott, Corvallis. The gift consisted of 39 volumes, and is valued at $390.

Texaco, Inc.  Gift of Playback System, valued at $15,000, from Texaco, Incorporated, Los Angeles, California. The gift is to be used in the geophysics program within the Department of Oceanography.


U. S. Atomic Energy Commission  Grants totaling $101,810 from the U. S. Atomic Energy Commission, Richland, Washington, for research and other purposes, as follows:


2. $55,794 - "Academic Year Institute in Nuclear Science for College Teachers," January 1, 1970, through March 31, 1971, under the direction of Dr. C. H. Wang, Director, Radiation Center.

3. $24,000 - "Properties of Enzymes from Thermomorphs and Halophiles," April 1, 1970, through March 31, 1971, under the direction of Dr. Robert R. Becker, Professor of Biochemistry.

U.S. Dept. of The Interior  Grants totaling $191,896 from the U. S. Department of the Interior, Washington, D. C., for research, training programs, and other purposes, as follows:

1. $3,331 - "Lignin Sulfonates in Pulp Mill Effluents," May 8, 1970, through July 7, 1970, under the direction of Dr. Everett L. Ellis, Department of Forest Products.

2. $33,049 - "Training in Fresh Water and Marine Pollution Biology," July 1, 1970, through June 30, 1971, under the direction of Dr. Charles E. Warren, Professor of Fisheries.

3. $27,194 - "Sediment-Water-Bacteria Interactions in Eutrophication," April 1, 1970, through March 31, 1971, under the direction of Dr. Richard Y. Morita, Professor of Microbiology.
4. $69,459 - "Graduate Training in Water Quality Engineering," July 1, 1970, through June 30, 1971, under the direction of Mr. Fred Burgess, Head of Civil Engineering.

5. $32,930 - "For operational costs under a training program in economics of water quality and supply," July 1, 1970, through June 30, 1971, under the direction of Dr. Herbert H. Stoever, Associate Professor of Agricultural Economics.

6. $5,300 - "For operational costs under a predoctoral fellowship in behalf of Steven J. Broderius," July 1, 1970, through June 30, 1971, under the direction of Dr. Peter Doudoroff, Professor of Fisheries.

7. $20,633 - "Influence of Log Rafting on Water Quality," June 1, 1970, through May 31, 1971, under the direction of Dr. Frank D. Schaumberg, Associate Professor of Civil Engineering.

U. S. Dept. of Labor

Grant of $253,210 from the U. S. Department of Labor, Washington, D.C., "to provide for 594 enrollees for the Neighborhood Youth Corps," June 1, 1970, through August 31, 1970, under the direction of Dr. Harry Clark, Extension Community Development Specialist.

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

Grants totaling $197,327 from the U. S. Department of Health, Education, and Welfare, Washington, D. C., for training programs and other purposes, as follows:

1. $64,223 - "To accommodate expenditures for a summer teacher corps training program," June 15, 1970, through September 6, 1970, under the direction of Dr. Ronald G. Petrie, Teacher Corps Director.

2. $57,372 - "Institute to Prepare Support Personnel to Assist the Counselor in Disadvantaged Youth Schools, as amended," July 14, 1969, through June 4, 1971, under the direction of Dr. Franklin R. Zeron, School of Education.


4. $58,000 - "To accommodate expenditures for participant costs for an Institute for Junior College Teachers, Student Personnel Specialists and Administrators in the Western States," June 1, 1970 through June 1, 1971, under the direction of Dr. Lester Beals, Professor of Education.

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

Grant of $17,800 from the U. S. Navy Department, Office of Naval Research, Washington, D.C., for equipment used in Oceanography Research, ending July 31, 1970, under the direction of Dr. Wayne V. Burt, Chairman, Department of Oceanography.
Grants totaling $845,195 from the U. S. Public Health Service, Washington, D. C., for research, training programs and other purposes, July 1, 1970, through June 30, 1971, unless otherwise listed, as follows:

1. $173,497 - "Health Professions Educational Improvement Program in Pharmacy," under the direction of Dr. Charles O. Wilson, Dean of the School of Pharmacy.

2. $42,071 - "Training Program in Food Protection and Toxicology," under the direction of Dr. Harold W. Schultz, Head of Food Science and Technology.

3. $16,641 - "To accommodate expenditures for stipends and tuition and fees under an Allied Health Professions Traineeship Program," under the direction of Dr. Margy Woodburn, Professor of Foods and Nutrition.

4. $55,873 - "Training Program in Biochemistry and Physiology," under the direction of Dr. Paul R. Elliker, Head of Microbiology.

5. $14,734 - "Development award in behalf of Dr. Sonia Ruth Anderson in the Department of Biochemistry and Biophysics," under the direction of Dr. R. W. Newburgh, Head of Biochemistry and Biophysics.

6. $41,145 - "Training Program in Microbiology," under the direction of Dr. Paul R. Elliker.

7. $45,727-"Training Program in Toxicology," under the direction of Dr. Charles E. Warren, Professor of Fisheries.

8. $51,713 - "Training Program in Biometry," under the direction of Dr. Lyle D. Calvin, Head of Statistics.

9. $49,861 - "Training Program in Cellular and Molecular Biology," under the direction of Dr. Robert W. Newburgh, Chairman of Biochemistry and Biophysics.

10. $41,130 - "To carry costs for investigation of waste pesticide management," July 1, 1970, through June 30, 1972, under the direction of Dr. Robert L. Goulding, Associate Professor, Environmental Health Sciences Center.

11. $19,060 - "To accommodate expenditures for participants under an Environmental Health Traineeship Grant," September 1, 1970, through August 31, 1971, under the direction of Dr. Fred Burgess, Head of Civil Engineering.

12. $24,199 - "Metabolism of Hexachlorophene, a Potential Intoxicant," June 1, 1970, through May 31, 1971, under the direction of Dr. Donald R. Buhler, Associate Professor of Agricultural Chemistry.
13. $16,548 - "Neural Detection of Ionizing Radiations," June 1, 1970, through May 31, 1971, under the direction of Dr. Donald J. Kimeldorf, Professor of Radiation.

14. $60,152 - "Utilization of Bark Waste," June 1, 1970, through May 31, 1971, under the direction of Dr. Raymond A. Currier, Associate Professor of Forest Products.

15. $14,972 - "Laser Mediated Lignin Solid Waste Fermentation," June 1, 1970, through May 31, 1971, under the direction of Dr. Donald A. Klein, Assistant Professor of Microbiology.

16. $24,848 - "Sedimentation Analysis of Associating Systems," June 1, 1970, through May 31, 1971, under the direction of Dr. Robert D. Dyson, Assistant Professor of Biophysics.

17. $124,474 - "To accommodate expenditures for participant costs under a graduate training program in Air Pollution," June 1, 1970, through May 31, 1971, under the direction of Dr. Richard W. Boubel, Associate Professor of Mechanical Engineering.

18. $27,734 - "Mycotoxin Toxicity and Carcinogenesis," June 1, 1970, through May 31, 1971, under the direction of Mr. Russell O. Simnhuber, Professor of Food Science and Technology.

19. $816 - "DNA-Hydrocarbon and DNA Aromatic Amine Binding," February 1, 1970, through January 31, 1971, under the direction of Dr. Irvin Isenberg, Professor of Biophysics.

Willamette Air Pollution Authority
Grant of $6,500 from Willamette Air Pollution Authority, Salem, for an extension of the studies of the "Natural Ventilation of Portland, Oregon, and Adjacent Areas in Relation to Air Pollution Control," June 1, 1970, through October 15, 1970, under the direction of Dr. Lars E. Olsson, Assistant Professor of Atmospheric Sciences.

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

Agricultural Research Foundation
$3,632 - "Development of improved seed germination," under the direction of Dr. J. Ritchie Cowan, Professor of Agronomy, and Dr. D. F. Grabe, Professor of Agronomy.

$1,315 - "Control of Weeds in the Less Developed Countries," under the direction of Dr. W. R. Furtick, Professor of Agronomy.

$24,135.44 - "Control of Soil Temperature with Reactor Cooling Water under the direction of Dr. L. Boersma, Associate Professor of Soils.
$7,788 - "Development and Evaluation of Hop Lines," under the direction of Dr. C. E. Horner, Professor of Plant Pathology.

$2,369 - "Research on cereal grains," under the direction of Dr. W. E. Kronstad, Associate Professor of Agronomy.

$2,737 - "Forage breeding program," under the direction of Dr. R. V. Frakes, Associate Professor of Plant Breeding Farm Crops.

$23,554 - "Weed control investigation," under the direction of Dr. A. P. Appleby, Associate Professor of Agronomy.

$1,125 - "Research on nursery plant diseases," under the direction of Dr. Larry Moore, Assistant Professor of Plant Pathology.

$6,600 - "Research on drainage, irrigation and structures," under the direction of Mr. Dale E. Kirk, Professor of Agricultural Engineering.

Amchem
Products, Inc.

$500 - "Weed control research," under the direction of Dr. A. P. Appleby, Associate Professor of Agronomy.

American
Cyanamid Company

$6,000 - "To test the efficacy of anthelminitics against ruminant parasites," under the direction of Dr. S. E. Knapp, Professor of Veterinary Parasitology.

DuPont & Co.

$1,000 - "For testing fungicide for various fruit and ornamental diseases," under the direction of Dr. Iain MacSwan, Extension Plant Pathology Specialist.

Fish Commission
of Oregon

$200 - "Study on chinook-coho salmon behavioral interaction," under the direction of Dr. J. D. Hall, Associate Professor of Fisheries.

International
Minerals &
Chemical Corp.

$350 - "Control of mint insects," under the direction of Dr. Ralph Berry, Assistant Professor of Entomology.

Malheur Onion
Growers Assoc.

$2,250 - "Research on pink root rot of onion," under the direction of Dr. E. K. Vaughan, Professor of Plant Pathology.

Oregon Portland
Cement Company

$1,500 - "To conduct research on lime requirements of acid soils," under the direction of Dr. T. L. Jackson, Professor of Soils.

Oregon Straw-
berry Commission

$30,960 - "Research and programs in the Oregon Strawberry Industry," under the direction of the departments of Food Science and Technology, Horticulture, Agricultural Engineering, and Entomology.

Otter Trawl
Commission of
Oregon

$3,000 - "Research and development of a domestic market for Dogfish Shark," under the direction of Dr. D. L. Crawford, Assistant Professor of Food Science & Technology.

Simpson Timber
Company

$787.88 - "Plastic irrigation supplies," under the direction of Dr. L. Boersma, Associate Professor of Soils.
Meeting #387-93

Stauffer Chemical Company

$300 - "Research Work with Insecticides," under the direction of Dr. R. G. Rosenstiehl, Associate Professor of Entomology. Washington Certified Strawberry Plant Growers, Inc.

$2,250 - "Research on Strawberry Virus," under the direction of Dr. Richard Converse, Professor of Plant Pathology.

University of Oregon

Scholarships & Fellowships

Gifts totaling $10,955 from the following donors for scholarships and fellowships:

- Big Bend Electric Co-operative, Ritzville, Washington $ 500.00
- The Ford Foundation, New York City 3,936.00
- Grande Ronde Parent-Teacher Organization, Grande Ronde 200.00
- Latin American Scholarship Program, Cambridge, Massachusetts 1,367.00
- National Collegiate Athletic Association, Kansas City, Missouri 1,000.00
- National Merit Scholarship Corporation, Boise, Idaho 100.00
- Portland Linebackers Scholarship, through Portland State University 1,000.00
- Sherman City Scholarship Association, Moro 100.00
- S&H Foundation, Inc., New York City 450.00
- Soul Assembly, Jefferson High School, Portland 100.00
- Standard Oil Company of California, San Francisco, California 750.00
- U. S. National Bank of Oregon, Portland, (Work/College Scholarship) 952.00
- Wagner High School Scholarship Award, Dependent Schools, APO San Francisco 500.00

Corporation for Public Broadcasting

Grant of $7,500 from the Corporation for Public Broadcasting, New York City, "in support of public radio broadcasting, station KWAX," May 1, 1970, through April 30, 1971, under the direction of Dr. John Shepherd, Director, Division of Broadcast Services.

Educational Coordinating Council

Grants totaling $48,087.81 from the Educational Coordinating Council, Salem, for research and other purposes, as follows:

1. $4,344.81 - For improvement of undergraduate instruction in a project entitled, "Development of an Elementary German Language Course Based Exclusively on Audiovisual Media," June 12 through December 31, 1970, under the direction of Dr. Helmut R. Plant, Assistant Professor of German.

2. $5,905 - For improvement of instruction in a project entitled, "Experimentation in Teaching Shakespeare," June 12, 1970, through June 30, 1971, under the direction of Dr. Waldo R. McNair, Professor of English.
3. $37,838 - "Description and Analysis of Oregon's Fiscal System," April 17, 1970, through December 31, 1972, under the direction of Dr. Richard Lindholm, Dean, College of Business Administration.

Eugene Water and 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, 1970, through June 30, 1971, under the direction of Dr. Russell Donnelly, Professor and Head of the Department of Physics.

State of Idaho

Grant of $1,200 from the State of Idaho, Boise, through the Department of Education, to provide traineeships for two trainees in special education for the 1970 summer session, June 22 through August 14, 1970, under the direction of Dr. Robert Mattson. The traineeships include tuition and a cost-of-education allowance.

National Merit Scholarship Corp.

Gift of $100 from the National Merit Scholarship Corp., Evanston, Illinois, for the unrestricted use of the institution under the direction of Mr. W. N. McLaughlin, Business Manager.

National Science Foundation

Grants totaling $350,462 from the National Science Foundation, Washington, D.C., for research, training programs, and other purposes, as follows:

1. $1,712 - "In further support of the Graduate Traineeship Program," for the 1968-69 academic year, under the direction of Dr. Leona E. Tyler, Dean of the Graduate School.

2. $30,400 - "Willamette Valley Prehistory," May 1, 1970, through April 30, 1971, under the direction of Dr. C. Melvin Aikens, Assistant Professor of Anthropology.

3. $26,600 - "Research at Pine Mountain Observatory," May 1, 1970, through May 1, 1971, under the direction of Dr. Russell Donnelly, Professor and Head of the Department of Physics.

4. $24,700 - "Problems on Groups and Rings," June 1, 1970, through May 31, 1971, under the direction of Dr. Charles W. Curtis and Dr. David K. Harrison, Professors of Mathematics.

5. $5,000 - "Solvable Group Theory," June 1, 1970, through May 31, 1971, under the direction of Dr. Charles R. B. Wright, Professor of Mathematics.

6. $49,900 - "Mammalian Fatty Acid Synthetase," June 1, 1970, through May 31, 1972, under the direction of Dr. Allan R. Larrabee, Assistant Professor of Chemistry.

7. $9,250 - For support of "A Teaching Collection for Old World Prehistory," Beginning June 15, 1970, under the direction of Dr. C. Garth Sampson, Professor of Anthropology.

9. $15,000 - "Problems in Geometry and Number Theory Arising from the Theory of Modular Functions," July 1, 1970, through June 30, 1971, under the direction of Dr. Michio Kuga and Dr. John V. Leahy, Professors of Mathematics.


12. $16,000 - "For the purchase of Instructional Scientific Equipment," July 1, 1970, through July 31, 1972, under the direction of Dr. Virgil Boekelheide, Chairman of the Department of Chemistry.

13. $27,000 - "Theory of Molecular Excitone and Primary Photochemical Processes," August 1, 1970, through July 31, 1972, under the direction of Dr. Michael R. Philpott, Assistant Professor of Chemistry and Research Associate in Theoretical Chemistry.


State of North Dakota

Grant of $675 from the State of North Dakota, Department of Public Instruction, Bismarck, North Dakota, to provide a "support grant on behalf of John A. Gray, student in special education, 1970 Summer Session," June 22 through August 14, 1970, under the direction of Dr. Robert Mattson, Chairman, Special Education.

Oregon State Board of Education

Grant of $12,600 from the Oregon State Board of Education, Salem, to provide a cost of education allowance and tuition for 21 trainees in the elementary and secondary program under P.L. 85-926, June 22 through August 14, 1970, under the direction of Dr. Robert Mattson, Chairman of Special Education, and Dr. K. S. Wood, Director, Speech and Hearing Clinic.

Oregon Divn. of Vocational Rehabilitation

Grant of $10,000 from the State of Oregon, Division of Vocational Rehabilitation, Salem, "for a three to five day workshop in Management Personnel Development for Division of Vocational Rehabilitation staff," April 9 through June 30, 1970, under the direction of Dr. John W. Loughary, Chairman, Counseling Department, College of Education.
Meeting #387-96

D. R. Strong

Gift of $435 from Mr. Donald R. Strong through the Graduate School as an unrestricted gift which will be used for the Graduate Aid Loan Fund, under the direction of Mr. W. N. McLaughlin, Business Manager.

Research Corporation

Grant of $6,000 from Research Corporation, New York City, for research entitled, "Mechanistic Studies of the Photochemical Vinylcyclopropane-Cyclopentene Rearrangement," September 1, 1970, through August 31, 1971, under the direction of Dr. R. S. Cooke, Assistant Professor of Chemistry.

Alfred P. Sloan Foundation

Grants totaling $32,200 from the Alfred P. Sloan Foundation, New York City, September 16, 1970, through September 15, 1972, for research, as follows:

1. $16,100 - "For the support of basic research in the Physical Sciences," under the direction of Dr. Paul L. Csonka, Assistant Professor of Physics.

2. $16,100 - "For support of basic research in the Physical Sciences," under the direction of Dr. Michael Philpott, Research Associate, Institute of Theoretical Science.

U. S. Atomic Energy Commission

Grants totaling $102,000 from the U. S. Atomic Energy Commission, Richland, Washington, for research as follows:

1. $20,000 - "Cell Renewals and Secretions in Male Accessory Sex Organs," June 1, 1970, through May 31, 1971, under the direction of Dr. Paul L. Risley, Professor of Biology.

2. $82,000 - "Theory of Elementary Particles," June 1, 1970, through May 31, 1971, under the direction of Dr. Michael J. Moravcsik, Professor of Physics.

U. S. Forest Service

Grant of $6,000 from the U. S. Forest Service, Pacific Northwest Forest and Range Experiment Station, Portland, for a study entitled, "Mineralogy, Chemistry, and Physical Properties of Soils Developing on Rocks of Known Mineralogy in the South Umpqua River Drainage," June 15, 1970, through June 30, 1972, under the direction of Dr. M. Allan Kays, Associate Professor of Geology.

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

Grants totaling $1,386,863 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., for research, training programs, fellowships, and other purposes, as follows:

1. $7,029 - "Oregon Center for Research and Demonstration in the Early Education of Handicapped Children of the National Laboratory on Early Childhood Education," December 1, 1969, through May 31, 1970, under the direction of Dr. George Shepard, Associate Professor of Education. This grant is a subgrant through the University of Illinois, Urbana, Illinois.

2. $81,873 - "Supplemental funds for operation of a Special Education Instructional Materials Center," September 1, 1969, through August 31, 1970, under the direction of Dr. Wayne Lance, Director of the Center.
3. $375,041 - "Regional Resource Center for Handicapped Children," July 1, 1970, through June 30, 1971, under the direction of Dr. Melton C. Martinson, Associate Professor of Education.

4. $56,800 - "Doctoral Fellowship Program in Development and Evaluation of Education Program for Disadvantaged," July 1, 1970, through June 30, 1971, under the direction of Dr. Donald L. Carr, Associate Professor, Educational Psychology.

5. $8,650 - "For support of Gale Dixon's dissertation research in Malaysia, Brunei, and Indonesia," June 1, 1970, through February 29, 1972, under the direction of Dr. Leona E. Tyler, Dean of the Graduate School.

6. $23,000 - "Special Project Prototype Grant for Preparation of Professional Personnel in the Education of Handicapped Children," June 1, 1970, through August 31, 1971, under the direction of Mr. Larry Neal, Assistant Professor, School of Health, Physical Education and Recreation.

7. $366,212 - "Training, management, and research support for Fellow-Through Districts (Engelmann-Becker Model)," June 15, 1970, through August 31, 1971, under the direction of Dr. Robert Mattson, Chairman, Special Education.

8. $115,200 - "For support of the Upward Bound program for disadvantaged students who have potential for success in post high school education," June 15, 1970, through June 30, 1971, under the direction of Mr. James Hill, Associate Director, Upward Bound Program.

9. $24,400 - "Operational Phase of the Experienced Teacher Fellowship Program in Learning and Behavioral Problems," March 16, 1970, through June 14, 1971, under the direction of Dr. Leona Tyler, Dean of the Graduate School, and Dr. James Notchkiss, Assistant Professor of Education.

10. $8,982 - "Supplemental funds to cover the costs of publishing 2,000 copies each of two monographs on the activities of the Research and Training Center," March 1, 1970, through February 28, 1971, under the direction of Dr. Herbert J. Prehm, Professor of Education.

11. $319,676 - "Continued support of an Institute for Studies in Gerontology," July 1, 1970, through June 30, 1971, under the direction of Dr. Frances Scott, Associate Professor of Education and Community Service.
Grants totaling $490,106 from the U. S. Office of Economic Opportunity, Washington, D.C., for the following projects:

1. $400,106 - "For support of the Oregon NewGate Project, (Education of prisoners in Oregon Penitentiary, parolees and ex-prisoners)," July 1, 1970, through June 30, 1971, under the direction of Mr. V. Lee Layman, Associate Professor, Community Service and Public Affairs.

2. $90,000 - "For the VISTA training center for Region 10," June 1 through September 30, 1970, under the direction of Mr. James Booth, Director of the Center.

Grants totaling $777,881 from the U. S. Public Health Service, Washington, D.C., for research, training programs, fellowships, and other purposes, July 1, 1970, through June 30, 1971, unless otherwise indicated, as follows:

1. $40,658 - "For continued support of a training program in Social Sciences," under the direction of Dr. Walter Martin, Professor of Sociology.

2. $106,150 - "Continued support of a training grant in Clinical Psychology," under the direction of Dr. Robert L. Weiss, Professor of Psychology.

3. $35,236 - "For a training program in Biochemistry," under the direction of Dr. Raymond G. Wolfe, Professor of Chemistry.

4. $9,685 - "International Research Fellowship on behalf of Alberto Hamabata, in Molecular Biology," under the direction of Dr. Peter H. von Hippel, Director, Institute of Molecular Biology.

5. $25,311 - "Development Award-Research Career Program on behalf of Dr. Donald E. Winber, Professor of Biology," under the direction of Dr. S. S. Tepfer, Chairman, Department of Biology.

6. $28,393 - "Development Award-Research Career Program on behalf of Dr. Edward Herbert," under the direction of Dr. Virgil Boekelheide, Head of the Department of Chemistry.

7. $21,760 - "Development Award-Research Career Program Grant on behalf of Dr. Andrew Bajer, Professor of Biology," under the direction of Dr. S. S. Tepfer.

8. $50,470 - "Nitroxide Probes and Membrane Structure," June 1, 1970, through May 31, 1971, under the direction of Dr. 0. Hayes Griffith, Associate Professor of Chemistry and Research Associate in Molecular Biology.
9. $95,644 - "Maturational Reform and Rural Delinquency," June 1, 1970, through May 31, 1971, under the direction of Dr. Kenneth Polk, Associate Professor of Sociology.

10. $308,200 - "Continued support of Health Sciences Advancement Award," June 1, 1970, through May 31, 1971, under the direction of Dr. Philip S. Grant, Professor of Biology.

11. $14,044 - "Studies on Organ Formation in Excised Root Cultures," May 1, 1970, through April 30, 1971, under the direction of Dr. Howard T. Bonnett, Jr., Associate Professor of Biology.

12. $1,700 - "Predoctoral fellowship award on behalf of Ivan A. Brady, in Anthropology," June 1 through August 31, 1970, under the direction of Dr. Homer G. Barnett, Professor of Anthropology.

13. $5,300 - "Predoctoral fellowship on behalf of Alice Dawes, in Biology," June 15, 1970, through June 15, 1971, under the direction of Dr. Donald E. Wimber, Professor of Biology.

14. $1,330 - "Predoctoral fellowship in Biology on behalf of Rodney Murphey," June 15 through August 31, 1970, under the direction of Dr. Graham Hoyle, Professor of Biology.

15. $34,000 - "New Methods of Fertility Regulation," June 24, 1970, through June 23, 1971, under the direction of Dr. Paul L. Risley, Professor of Biology.

State of Wyoming

Grant of $600 from the State of Wyoming, Department of Education, Cheyenne, to provide a cost-of-education allowance on behalf of Sister Marie Monica Borden, under P.L. 85-926, for the 1970 Summer Session, under the direction of Dr. Robert Mattson, Chairman, Special Education.

Gifts to the Library:

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

R. M. Brown

Manuscripts and correspondence of William L. Brown, from Mrs. Rosalie M. Brown, Fairfax, California. The gift is valued at $140.

Mrs. G. E. Carter, Jr.

Sermons and related materials of the late George E. Carter, Jr., from Mrs. Carter, Chicago, Illinois. Mr. Carter was a clergyman in Portland, and the gift is valued at $310.

D. Detweiler

Sermons and related materials of Dr. Charles S. Detweiler from his daughter, Miss Dorothy Detweiler, Denver, Colorado. The gift is valued at $195. Dr. Detweiler served as a missionary in Central and South America.
Meeting #387-100

M. R. Greene  Approximately 125 volumes dealing with marketing and management from Dr. Mark R. Greene, Eugene. The gift is valued at $266.25.

C. Jones  Approximately 90 titles in the field of secretarial science, including both books and journals, from Miss Catherine Jones, Eugene. The gift is valued at $186.

M. Marshall  Manuscripts and related materials from western author Mel Marshall, Borger, Texas. The gift is valued at $300.

W. P. Murphy  Approximately 90 volumes of twentieth century American fiction from Dr. William P. Murphy, Brookline, Massachusetts. The gift is valued at $118.95.

Mrs. L. E. Nye  Sermons, correspondence, and related materials of the late Laurence E. Nye, Portland clergyman, from Mrs. Laurence E. Nye, Portland. The gift is valued at $1,600.

Mrs. Lois D. Phillips  Manuscripts and related materials of the late Oregon writer, Ray Palmer Tracy, from Mrs. Lois D. Phillips, Brandon, Vermont. The gift is valued at $1,050.

E. M. Root  Manuscripts, correspondence and related material from Mr. E. Merrill Root, Kennobunkport, Maine. Mr. Root is a poet and Conservative. The gift is valued at $425.

W. C. Smith  Additional manuscripts and correspondence from Dr. W. C. Smith, McMinnville. The gift is valued at $145.

Mrs. V. Werner  Manuscripts, valued at $200, from Mrs. Vivian Werner, Paris, France.

University of Oregon Medical School

Scholarships & Fellowships  Gifts totaling $1,450 from the following donors for scholarships and fellowships:

Benton County Chapter March of Dimes, Corvallis  $ 500.00
Clatsop County Tuberculosis and Health Association, Astoria  350.00
Scholarship Committee, Women's Auxiliary to the Marion-Folk County Medical Society, Salem  600.00

American Cancer Society  Grant of $48,558 from the American Cancer Society, New York City, in support of Research entitled, "Free Radicals and Oxygen Metabolism," July 1, 1970, through June 30, 1971, under the direction of Dr. Howard S. Mason, Professor of Biochemistry.

American Heart Association  Grants totaling $24,200 from the American Heart Association, New York City, for research, July 1, 1970, through June 30, 1971, as follows:

1. $13,200 - "The Formation and Metabolism of Vascular Connective Tissue Components," under the direction of Dr. J. Peter Bentley, Associate Professor of Biochemistry.
2. $11,000 - "Anticoagulant Prophylaxis with Prosthetic Valves," under the direction of Dr. Arthur J. Seaman, Professor and Head of the Division of Hematology.

| **Beta Sigma Phi** | Gift of $565 from Beta Sigma Phi, Astoria, to be used for cancer research, under the direction of Dr. Charles N. Holman, Dean. |
| **Columbian Bifocal Company, Inc.** | Gift of $100 from the Columbian Bifocal Company, Inc., Portland, as a memorial for Franklin T. Smith, to be used in the Department of Ophthalmology, under the direction of Dr. Kenneth C. Swan, Chairman of the Department. |
| **Doernbecher Hospital Guild** | Grant of $5,000 from the Doernbecher Hospital Guild, Portland, in support of the programs in the Doernbecher Hospital for Children, under the direction of Dr. Richard W. Olmsted, Chairman of Pediatrics. |
| **Joe Fisher Mustang Club** | Gift of $200 from the Joe Fisher Mustang Club, Portland, for the unrestricted use of Doernbecher Hospital for Children, under the direction of Dr. Michael D. Baird, Medical Director. |
| **Miss Helen Gates** | Gift of $1,000 from Miss Helen F. Gates, Cincinnati, Ohio, for DMSO Research, under the direction of Dr. Stanley Jacob, Associate Professor of Surgery. |
| **C. B. Haygarth** | Gift of $100 from Mr. Charles B. Haygarth, Aurora, for DMSO Research, under the direction of Dr. Stanley Jacob. |
| **H. Joselson** | Gift of $100 from Dr. Howard Joselson, Perth Amboy, New Jersey, for cancer research, under the direction of Dr. Bernard Pirofsky, Professor of Immunology. |
| **Junior League of Portland** | Gift of $499 from the Junior League of Portland, Oregon, to be used for research service in the Nutrition Laboratory, under the direction of Dr. Richard L. Sleeter, Assistant Dean, Director of the Crippled Children's Division. |
| **R. Knause** | Gift of $142.25 from Mr. Reid Knause, Business Manager, Doctors Clinic, Moses Lake, Washington, to be used for student loans, under the direction of Dean Holman. |
| **Eli Lilly and Company** | Grant of $1,185.35 from Eli Lilly and Company, Greenfield, Indiana, for research entitled, "Investigation in Guinea Pigs To Compare the Ototoxicity in Nebramycin and Gentamicin," beginning July 1, 1970, under the direction of Dr. Robert E. Brummett, Assistant Professor of Otolaryngology. |
| **Marquam Medical Center** | Gift of $100 from the Marquam Medical Center, Portland, to be used for a 35 mm projector, under the direction of Dr. Richard L. Sleeter, Assistant Dean. |
Meeting #387-102

July 27, 1970

Medico Bowling League
Gift of $150 from the Medico Bowling League, Portland, for the unrestricted use of the Crippled Children's Division, under the direction of Dr. Richard L. Sleeter.

National Cystic Fibrosis Research Foundation, Oregon Chapter
Grant of $475 from the National Cystic Fibrosis Research Foundation, Oregon Chapter, Portland, for "Cystic Fibrosis Research," under the direction of Dr. Robert A. Campbell, Associate Professor of Pediatrics.

National Cystic Fibrosis Research Foundation
Grant of $1,500 from the National Cystic Fibrosis Research Foundation, New York City, for a supplement to the "Cystic Fibrosis Care, Teaching and Research Center," March 1, 1970, through February 28, 1971, under the direction of Dr. Robert A. Campbell, Associate Professor of Pediatrics.

The National Foundation
Grant of $700 from The National Foundation, New York City, for "Musculo-Skeleton Cases," under the direction of Dr. Richard L. Sleeter, Assistant Dean.

Oregon Cancer Society
Grant of $10,700 from the Oregon Cancer Society, Portland, for research entitled, "A Study of Tumor Immunity," June 1, 1970, through May 31, 1971, under the direction of Dr. Denis R. Burger, Assistant Professor of Microbiology.

Oregon Heart Association
Grants totaling $39,662 from the Oregon Heart Association, Portland, July 1, 1970, through June 30, 1971, unless otherwise indicated, for research, fellowships, and other purposes, as follows:

1. $1,300 - "Normal Values for Erythropoietin in Newborns, Premature Infants with Congenital Heart Disease and Pre and Post-Surgery," June 7 through September 7, 1970, under the direction of Dr. Arthur J. Seaman, Head of the Division of Hematology.

2. $1,200 - "Local Intravascular Coagulation in Children with Hypertension, Acute and Chronic Renal Failure," June 15 through September 15, 1970, under the direction of Dr. Robert A. Campbell, Associate Professor of Pediatrics.

3. $10,500 - "In further support of a Postdoctoral Fellowship in Cardiology," under the direction of Dr. John Antonovic, Postdoctoral Fellow in Cardiology.

4. $10,376 - "Studies of Renin-Angio Aldosterone Interrelationship in Acute Saline Depletion," under the direction of Dr. Albert Castro, Senior Research Fellow in Diabetes and Metabolism.
<table>
<thead>
<tr>
<th>Organization / Source</th>
<th>Description</th>
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<tbody>
<tr>
<td>Oregon Medical Association</td>
<td>Gift of $500 from the Oregon Medical Association, Portland, to be used for grants in aid for selected medical students, under the direction of Dean Charles N. Holman.</td>
</tr>
<tr>
<td>Oregon Physician's Service</td>
<td>Gift of $300 from the Oregon Physician's Service, Portland, to be used for grants in aid for selected medical students, under the direction of Dean Charles N. Holman.</td>
</tr>
<tr>
<td>Dr. and Mrs. B. Pirofsky</td>
<td>Gift of $100 from Dr. and Mrs. Bernard Pirofsky, Portland, to the &quot;Leukocytic Sarcoma Fund,&quot; under the direction of Dr. Robert Goldman, Associate Professor of Medicine.</td>
</tr>
<tr>
<td>Portland Federation of Women's Organizations</td>
<td>Gift of $221 from the Portland Federation of Women's Organizations, Portland, for the unrestricted use of Doernbecher Hospital for Children, under the direction of Dr. Michael D. Baird, Medical Director.</td>
</tr>
<tr>
<td>Student American Medical Assoc. UOMS Chapter</td>
<td>Gift of $320 from the University of Oregon Medical School Chapter of the Student American Medical Associations, Portland, to provide grants in aid for selected medical students, under the direction of Dean Charles N. Holman.</td>
</tr>
<tr>
<td>Selectra Club</td>
<td>Gift of $150 from the Selectra Club, Portland, to be used for cancer research, under the direction of Dean Holman.</td>
</tr>
<tr>
<td>D. W. Sutherland</td>
<td>Gift of $100 from Dr. D. W. Sutherland, Portland, for the unrestricted use of the Crippled Children's Division, under the direction of Dr. Richard L. Sleeter, Assistant Dean.</td>
</tr>
<tr>
<td>Mr. &amp; Mrs. J. P. Tribe</td>
<td>Gift of $200 from Mr. and Mrs. John P. Tribe, Klamath Falls, to be used for a K-machine and additional blankets, under the direction of Dr. Michael D. Baird, Medical Director.</td>
</tr>
</tbody>
</table>
Grants totaling $2,000,888 from the U. S. Public Health Service, Washington, D.C., for research, training programs, and other purposes, July 1, 1970, through June 30, 1971, unless otherwise indicated, as follows:

1. $28,217 - "Training Grant in Urological Oncology," under the direction of Dr. Clarence V. Hodges, Head of the Division of Urology, and Dr. Russell Lawson, Assistant Professor of Urology.

2. $35,990 - "Graduate Training Program in the Division of Endocrinology," under the direction of Dr. Monte A. Greer, Head of the Division of Endocrinology.

3. $50,045 - "Graduate Training Program in the Department of Ophthalmology," under the direction of Dr. Kenneth C. Swan, Chairman of the Department of Ophthalmology.

4. $46,440 - "Training Program for Residents in the Department of Psychiatry," under the direction of Dr. George Saslow, Chairman of the Department of Psychiatry.

5. $10,388 - "Training Program in the Area of Clinical Anesthesiology," under the direction of Dr. Frederick P. Haugen, Head of the Division of Anesthesiology.

6. $29,700 - "Career Award in Neuroendocrinology and Thyroid Physiology," under the direction of Dr. Monte A. Greer.

7. $20,000 - "Career Development Award to Study the Structure and Function of Transfer RNA," under the direction of Dr. Michael Litt, Associate Professor of Biochemistry.

8. $18,711 - "Molecular Nature of Flagellar Antigen Specificity," under the direction of Dr. Terence M. Joys, Associate Professor of Microbiology.

9. $74,567 - "Training Program in the Department of Diagnostic Radiology," under the direction of Dr. Charles T. Dotter and Dr. Marcia K. Bilbao, Professors of Diagnostic Radiology.

10. $32,132 - "Graduate Training Program in the Department of Anatomy," under the direction of Dr. Robert L. Bacon, Professor of Anatomy.

11. $27,893 - "Training Program in the Area of Psychiatric Nursing," under the direction of Charlotte Market, Associate Professor of Psychiatric Nursing.
12. $194,214 - "Training Program in the Department of Psychiatry," under the direction of Dr. George Saslow, Chairman of the Department of Psychiatry.

13. $53,781 - "Training Grant in the Area of Bio-Psychology," under the direction of Dr. Joseph D. Matarazzo, Chairman of the Department of Medical Psychology.

14. $16,476 - "Allied Health Professions Advanced Traineeship Grant," under the direction of Dr. Tyra T. Hutchens, Professor of Clinical Pathology.

15. $78,669 - "Multidisciplinary Basic Research Training in the Department of Dermatology," under the direction of Dr. Walter C. Lobitz, Professor of Dermatology.

16. $58,806 - "Training Program in the Area of Child Psychiatry," under the direction of Dr. Harold I. Boverman, Associate Professor of Psychiatry.

17. $72,446 - "Graduate Training Grant in the Department of Otolaryngology," under the direction of Dr. David D. DeWeese, Chairman of the Department of Otolaryngology.

18. $56,396 - In further support of a graduate training project entitled, "Psychiatry - GP Post Graduate Education," under the direction of Dr. Robert I. Daugherty, Assistant Clinical Professor of Psychiatry.

19. $23,454 - "Graduate Training Program in the Division of Medical Genetics," under the direction of Dr. Robert D. Koler, Chairman, Division of Medical Genetics.

20. $81,000 - "Graduate Training Program in the Division of Cardiopulmonary Surgery," under the direction of Dr. Albert Starr, Head of the Division of Cardiopulmonary Surgery.

21. $55,895 - "Training Program in the Department of Microbiology," under the direction of Dr. Arthur W. Frisch, Chairman of the Department of Microbiology, and Dr. Terence M. Joys, Associate Professor of Microbiology.

22. $54,876 - "Graduate Training Program in the Department of Biochemistry," under the direction of Dr. Richard T. Jones, Professor and Chairman of the Department of Biochemistry.

23. $51,956 - "Graduate Training Program in the Department of Physiology," under the direction of Dr. John M. Brookhart, Chairman of the Department of Physiology.

24. $199,000 - In further support of a training program entitled, "Health Professions Educational Improvement Program - Institutional Grant," under the direction of Dean Charles N. Holman.
25. $41,487 - "Training Program in the Area of Cardiovascular Physiology," under the direction of Dr. James Metcalfe, Professor of Medicine.

26. $51,069 - "Graduate Training Program in Medical Cardiology," under the direction of Dr. Herbert E. Griswold, Chairman of the Division of Cardiology.

27. $42,672 - "Training Program in Undergraduate Psychiatry," under the direction of Dr. George Saslow, Chairman of the Department of Psychiatry.

28. $44,280 - "Training Program in the Division of Neurology," under the direction of Dr. Roy L. Swank, Head of the Division of Neurology.

29. $40,109 - "Research Training—Biological Sciences," under the direction of Dr. John M. Brookhart, Chairman of the Department of Physiology.

30. $6,612 - "Training Program in Speech Pathology," September 1, 1970, through August 31, 1971, under the direction of Dr. Harold S. Lillywhite, Professor of Speech Pathology.

31. $11,534 - "Public Health Nursing Traineeship Program," September 1, 1970, through August 31, 1971, under the direction of Miss Lucille Gregerson, Associate Professor of the School of Nursing.

32. $17,114 - "Development and Reproduction of Pygmy Goats," June 1, 1970, through May 31, 1971, under the direction of Dr. James Metcalfe, Professor of Medicine.

33. $2,500 - "Carbohydrate Metabolism of Corneal Epithelium," May 1, 1969, through June 30, 1970, under the direction of Dr. Robert P. Burns, Associate Professor of Ophthalmology.

34. $37,915 - "Mechanism of DMSO Toxicity," June 1, 1970, through May 31, 1971, under the direction of Dr. Don C. Wood, Assistant Professor of Surgery.


36. $40,339 - "To continue studies of mechanism of chemical carcinogenesis," June 1, 1970, through May 31, 1971, under the direction of Dr. A. W. Horton, Professor of Environmental Medicine.

37. $1,000 - "A supply allowance for Dr. William J. Kimberling, a postdoctoral fellow in Medical Genetics," March 1, 1970, through February 28, 1971, under the direction of Dr. William J. Kimberling.
38. $5,467 - "Development of Normal Human Communication Skills," May 1, 1970, through April 30, 1971, under the direction of Dr. Herold S. Lillywhite, Professor of Pediatrics.

39. $73,781 - "Mechanism of Oxygen Metabolism," June 1, 1970, through May 31, 1971, under the direction of Dr. Howard S. Mason, Professor of Biochemistry.

40. $31,935 - "Steroid Inhibition of Lymphoma Cells in Vitro," June 1, 1970, through May 31, 1971, under the direction of Dr. John D. Gabourel, Associate Professor of Pharmacology.

41. $32,914 - "Effect of Function on Grafts and Implants of Collagen," May 1, 1970, through April 30, 1971, under the direction of Dr. William W. Krippaehne, Chairman of the Department of Surgery.

42. $40,733 - "Steroidal Regulation of Active Sodium Transport," June 1, 1970, through May 31, 1971, under the direction of Dr. George A. Porter, Assistant Professor of Cardiology.

43. $39,236 - "Allied Health Professions Educational Improvement Program - Basic Improvement Grant," April 15, 1970, through April 14, 1971, under the direction of Dr. Tyra T. Hutchens, Chairman of the Department of Clinical Pathology, and Rachel K. Espey, RDH, Director, Dental Hygiene Department.

44. $1,000 - "Supply allowance for Dr. Marian W. Baldy, a postdoctoral fellow in the Department of Biochemistry," April 1, 1970, through March 31, 1971, under the direction of Dr. Baldy.

45. $1,273 - "Electronic Method of Detecting Blood Volume Changes," September 1, 1969, through August 31, 1970, under the direction of Dr. David Gowing, Associate Professor of Anesthesiology.

46. $19,656 - "Metabolism of Messenger RNA in Differentiating Cells," May 1, 1970, through April 30, 1971, under the direction of Dr. David Kabat, Assistant Professor of Biochemistry.

The Upjohn Company

Gift of $200 from The Upjohn Company, Kalamazoo, Michigan, for student aid in the Department of Microbiology, under the direction of Dean Holman.

Mrs. H. F. Wendel

Gift of $100 from Mrs. Harold F. Wendel, Portland, to the Harold F. Wendel Memorial Fund.

Mrs. Nina Young

Gift of $105 from Mrs. Nina M. Young, Portland, for the unrestricted use of the Medical School, under the direction of Dean Holman.
Portland State University

Scholarships and Fellowships

Gifts totaling $4,955 from the following donors for scholarships and fellowships:

- American Business Women's Association, Portland $100.00
- Benson High School Parent-Teacher Association, Portland 100.00
- Mrs. Maribeth Collins, Portland 100.00
- Crockerline Memorial Trust Fund, Salem 108.00
- Crown Zellerbach Foundation, San Francisco, California 136.00
- Executive Women's Club of Oregon, Portland 310.00
- First United Methodist Church, Vancouver, Washington 100.00
- Georgia-Pacific Foundation, Portland 250.00
- Jewett, Barton, Leavy & Kern, Portland 100.00
- Lebanon Union High School, Lebanon 125.00
- Phi Beta, Portland 150.00
- Lloyd Porter International Business Scholarships, Portland 500.00
- Esther C. Richards, Portland 225.00
- Tektronix Foundation, Beaverton 2,015.00
- Washington Association of Retarded Children, Inc., Longview, Washington 300.00
- Willamette Chemical Company, Portland 100.00
- Women's Society of Christian Service, Hermiston 236.00

American Cancer Society, Oregon Division

Gift of $136 from the American Cancer Society, Oregon Division, Portland, for the "Smoking and Health Seminar," June 15, 1970, through June 19, 1970, under the direction of Mr. Paul Reiling, Coordinator, Special Programs.

Association for Systems Management

Gift of $100 from the Association for Systems Management, Portland, "to purchase library material in the field of systems science," under the direction of Dr. Frank Rodgers, Director of the Library.

Educational Coordinating Council

Grant of $17,490 from the Educational Coordinating Council, Salem, for "Improvement of Undergraduate Instruction - Development of Specially Integrated Class Sections in Social Science, Science and Arts and Letters Which Will Satisfy Basic University Requirements," April 24 through September 1, 1970, under the direction of Dr. Julius W. Wilkerson, Director of OPERATION PLUS.

J. Moore

Gift of $100 from Mr. Jim Moore, Portland, for the Portland State University Basketball Day Camp (student), July 27 to August 1, 1970, under the direction of Mr. Marion Pericin, Assistant Professor of Health and Physical Education.
Multnomah County Tuberculosis and Health Assoc. Gift of $102 from the Multnomah County Tuberculosis and Health Association, Portland, for the 1970 Portland State Summer Term Special Program, "Smoking and Health Seminar," June 15 to 19, 1970, under the direction of Mr. Paul Reiling, Coordinator, Special Programs.

Oregon State Board of Education Grants totaling $10,038.26 from the Oregon State Board of Education, Salem, for special programs, as follows:

1. $4,735.80 - To support a summer institute entitled, "Listening Skills for Visually-Handicapped Children," May 19 through September 30, 1970, under the direction of Miss Madge Leslie, Associate Professor of Education.

2. $5,302.46 - "To support the 1969 Portland State University Summer Program in Mental Retardation," June 1, 1969, through August 30, 1969, under the direction of Mr. Keith Larson, Coordinator, Special Education Programs.

Oregon Council on Economic Education Grant of $500 from the Oregon Council on Economic Education, Salem, "to replenish funds in the Economic Education Gifts Account," under the direction of Mr. Hugh G. Lovell, Professor, Center for Economic Education.


Oregon Tuberculosis and Respiratory Disease Assoc. Gift of $181 from the Oregon Tuberculosis and Respiratory Disease Association, Portland, for the 1970 Portland Summer Term Special Program, "Smoking and Health Seminar," June 15 through 19, 1970, under the direction of Mr. Paul Reiling, Coordinator, Special Programs.

Mr. & Mrs. O. J. Gates Gift of a collection on African and Afro-American life, valued at $538.58, from Mr. and Mrs. Osly J. Gates, Portland, to the library, under the direction of Dr. Frank Rodgers, Director of the Library.

Portland Garden Club Gift of $368.40 from the Portland Garden Club, Portland, for the 1970 Portland State Summer Term Special Program, "Conservation of Natural Resources," August 16 through 29, 1970, under the direction of Mr. Paul Reiling, Coordinator of Special Programs.

Tektronix Foundation Gift of $100 from Tektronix Foundation, Beaverton, for convention expenses of the Portland State University delegation to the Model UN, April 13 to 18, 1970, under the direction of Dr. E. Dean Anderson, Assistant to the President for University Relations.
U.S. Dept. of Health, Education & Welfare

Grants totaling $1,205,389 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., for research, training programs, library materials, and other purposes, as follows:


2. $2,244 - "3-Hydroxytyramine, in Monostroma Fuscum," May 1 through June 30, 1970, under the direction of Dr. Richard D. Tocher, Assistant Professor of Biology.

3. $2,970 - To support a special study institute in the Visually Handicapped program entitled, "Utilization of Low Vision," June 1, 1970, through August 31, 1971, under the direction of Dr. Madge Leslie, Associate Professor of Education.


5. $16,537 - "Allied Health Professions Educational Improvement Program - Basic Improvement Grant," April 15, 1970, through April 14, 1971, under the direction of Dr. Verne Reierson, Director, Center for Public Health Studies.

6. $28,201 - "Partial support of the Zagreb Institute for Central European Studies," 1969-70, under the direction of Mr. Fred Holling, In-Country Director, Central European Studies.

7. $35,304 - "Support of Biomedical Sciences," June 1, 1970, through May 31, 1971, under the direction of Dr. Bruce Brown, Assistant Dean of the Faculties.


9. $190,000 - "Trainers for Teachers of Teachers for Disadvantaged Youth Program," March 26 through May 30, 1970, under the direction of Dr. David E. Willis, Professor of Education.

10. $134,300 - "To support educational programs for the Mentally Retarded, Visually Handicapped and for Speech and Hearing," June 1, 1970, through August 31, 1971, under the direction of Dr. Keith Larson, Associate Professor of Education.

Weyerhaeuser Company
Grant of $800 from the Weyerhaeuser Company, Tacoma, Washington, for the 1970 Portland State Summer Term Special Program, "Conservation Workshops," August 16 through 29, 1970, under the direction of Mr. Paul Reiling, Coordinator, Special Programs.

Investment Analysis Center
Gifts totaling $19,964 from the following donors for the unrestricted use of the Investment Analysis Center:

- Institute for Quantitative Research in Finance, New York City: $17,000.00
- May & Company, Inc., Portland: $1,964.00
- National Quotation Bureau, Inc., New York City: $1,000.00

Oregon College of Education
Bureau of Indian Affairs
Grant of $3,500 from the Bureau of Indian Affairs, Washington, D.C., to establish a noncredit workshop entitled, "Bureau of Indian Affairs Fine Arts Program," May 3 through July 2, 1970, under the direction of Dr. David Wallace, Professor of Music.

Salem Public Schools
Grant of $8,280 from the Salem Public Schools, to establish a summer program entitled, "Salem-Oregon College of Education Reading Institute," April 20 through July 29, 1970, under the direction of Dr. Donald H. Duncan, Professor of Education. The program is to prepare reading teachers for the elementary schools.

U.S. Dept. of Health, Education & Welfare
Grant of $181,700 from the U. S. Department of Health, Education, and Welfare, Office of Education, Washington, D.C., for "Training of Teachers of the Handicapped," June 1, 1970, through August 31, 1971, under the direction of Dr. Dennis J. Fahey and Dr. C. Ellery Young, Associate Professors of Education; Dr. Josephine M. Carr and Dr. Beverly H. Herzog, Assistant Professors of Education.

Southern Oregon College
Educational Coordinating Council
Grants totaling $59,119.28 from the Educational Coordinating Council, Salem, for research and other programs, as follows:

1. $12,363.04 - Improvement of undergraduate instruction in a project entitled, "Development and Testing Programmed Visual Media for Improving Mass Lectures in Introductory Psychology," April 1970 to April 1972, under the direction of Dr. Ronald Taylor, Assistant Professor of Psychology.

2. $28,260 - Improvement of undergraduate instruction in a project entitled, "Introduction of Computer-Aided Learning and Teaching Methods in Undergraduate Chemistry Courses," June 1970 through June 1972, under the direction of Dr. Bernhard Binder, Assistant Professor of Chemistry.
3. $18,496.24 - Improvement of undergraduate instruction in a project entitled, "Competency-Based Laboratory-Centered Program for Developing Professional Skill in Teaching Strategy," June 1970 through June 1972, under the direction of Dr. John A. McCollum, Associate Professor of Education.

**National Science Foundation**

Grant of $45,000 from the National Science Foundation, Washington, D.C., for research entitled, "Cellular Interactions During Limb Development," June 1, 1970, through June 1, 1972, under the direction of Dr. Michael J. Flower, Assistant Professor of Biology.

**R. W. Stevens**

Gift of 577 law volumes, valued at $2,885, from Mr. R. Wayne Stevens, Portland, "to provide depth in meeting needs in Law Enforcement and Political Science Departments," under the direction of Mr. Norman Alexander, Director of the Library.

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

Grants totaling $35,929.58 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., for research and other purposes, as follows:

1. $29,383 - "Cellular Interactions During Limb Development," June 1, 1970, through May 31, 1971, under the direction of Mr. Don Lewis, Dean of Administration.

2. $6,546.58 - "National Defense Student Loan Program," beginning June 30, 1969, under the direction of Dr. Terry Brown, Director of Financial Aid.

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**Eastern Oregon College**

**Scholarships & Fellowships**

Gifts totaling $1,007 from the following donors for scholarships and fellowships:

- Delta Kappa Gamma Society, Zeta Chapter, La Grande $ 264.00
- M Club, Mapleton High School, Mapleton 100.00
- Georgia-Pacific Foundation, Portland 250.00
- Oregon State Elks Association, Madras 125.00
- Soroptimist Club, La Grande 136.00
- U. S. National Bank of Oregon, Portland 132.00

**Educational Coordinating Council**

Grant of $3,028.46 from the Educational Coordinating Council, Salem, for improvement of instruction in a project entitled, "The New Geography: A Shift in Instructional Objectives for Small Colleges," July 1, 1970, through June 30, 1971, under the direction of Dr. Peter Van Dusen, Assistant Professor of Geography.

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

Grants totaling $96,601 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., for training programs, as follows:

1. $60,000 - "Special Counselling and Tutoring for Disadvantaged Students at Eastern Oregon College," July 1, 1970, through
June 30, 1971, under the direction of Dr. Edward H. Hosley, Associate Professor of Anthropology. This program will serve primarily the American Indians.

2. $26,601 - "To provide employment for qualified students while they are attending Eastern Oregon College," January 1 through December 31, 1970, under the direction of Dr. Howard A. Anderson, Associate Professor, Financial Aids Officer.

**Oregon Technical Institute**

**Scholarships & Fellowships**

Gifts totaling $2,851 from the following donors for scholarships and fellowships:

- Champoeg Lodge No. 27, A.F. & A.M., Canby $125.00
- Ford Motor Company Fund, Dearborn, Michigan $250.00
- Lane County Electric Cooperative, Inc., Eugene $100.00
- Pacific Gas Transmission Company, San Francisco, California $1,000.00
- Quota Club of Klamath County, Klamath Falls $210.00
- Mrs. Margaret W. Reed, Klamath Falls $816.00
- Standard Oil Company, San Francisco, California $250.00
- West Tualatin View Teacher Group, Portland $100.00

**D. Bauer**

Gift of a 250 KV Picker Deep Therapy Unit, valued at $1,400, and assorted books and periodicals, valued at $1,159, from Dr. Donald Bauer, Hollywood California, for use in Physical Sciences Technology, under the direction of Mr. Ray G. Prevost, Dean of Faculty.

**Hewlett-Packard Corporation**

Gift of an electronic counter and assorted electronic components, valued at $1,450, from the Hewlett-Packard Corporation, Palo Alto, California, for use in Engineering Technology-Electronics, under the direction of Mr. Prevost.

**National Science Foundation**

Grant of $8,800 from the National Science Foundation, Washington, D.C., for the purchase of instructional equipment, under the direction of Mr. Prevost. The equipment will be used in the Mathematics-Science Department and for Engineering Associates-Mechanical.

**A. E. Smith**

Gift of books, valued at $151.55, from Mr. A. E. Smith. The books are in the field of accounting, general business and economics.

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

Grant of $55,200 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., "to provide matching funds for grants to low-income students under a special program for the disadvantaged," July 1, 1970, through June 30, 1971, under the direction of Mr. Lawrence A. Stevens, Director of Financial Aids. Matching funds will be provided from state and private sources.

**Wah Chang, Albany**

Gift of an Electro Glas EB furnace with power supply and gun parts, valued at $50,000, from the Wah Chang Albany Corporation, Albany, for use in the Department of Metals, under the direction of Mr. Ray G. Prevost, Dean of Faculty.
Division of Continuing Education

Corporation for Public Broadcasting

Grants totaling $35,000 from the Corporation for Public Broadcasting, New York City, as follows:

1. $15,000 - "For educational radio broadcasting," July 1, 1970, through June 30, 1971, under the direction of Mr. William F. McGrath, General Manager, KOAP-FM.

2. $22,500 - "To apply toward general costs of public television broadcasting, excluding capital expenditures," June 1, 1970, through June 1, 1971, under the direction of Mr. McGrath.

3. $7,500 - "To upgrade and expand ongoing public radio efforts," May 1, 1970, through April 30, 1971, under the direction of Mr. Robert C. Hinz, General Manager, KOAC-AM. The funds will also be used to acquire one or more syndicated program services in the area of drama, symphonic music, and some new equipment.

Oregon Council for Public Broadcasting

Gift of $220 from the Oregon Council for Public Broadcasting, Inc., for "Public Television Broadcasting," December 1969 through June 1970, under the direction of Mr. William F. McGrath, General Manager, KOAP-FM-TV.

Society of Real Estate Appraisers

Gift of $500 from the Society of Real Estate Appraisers, Portland, "for staff professional development," beginning February 23, 1970, under the direction of Dr. Leroy R. Pierson, Director of Administration.

Western Institute of Drug Problems

Grant of $13,750 from the Western Institute of Drug Problems, "to operate the Western Institute of Drug Problems' Third Annual Summer School, August 17-21, 1970, sponsored by the Oregon Mental Health Division, Alcohol and Drug Section," under the direction of Dr. Kenneth Waldroff, Assistant Professor. Any remaining funds will be used for publications, scholarships or other activities related to the broad programs of the Western Institute of Drug Problems.

Teaching Research Division

Corvallis Public Schools

Grant of $45,085 from the Corvallis Public School System, for a joint venture entitled, "Implementing Phase II of the Corvallis Experiment in Systematically Designed Personalized and Data Dependent Instruction," August 15, 1969, through June 30, 1970, under the direction of Dr. H. Del Schalock, Research Director.

Michigan State University

Subgrant of $110,264 from Michigan State University, East Lansing, Michigan, "to conduct planning for a behavioral science institute," February 5, 1970, through June 30, 1971, under the direction of Dr. Jack V. Edling, Research Professor.
U.S. Dept. of Health, Education & Welfare

Grant of $84,729 from the U. S. Department of Health, Education, and Welfare, Office of Education, Washington, D.C., for research "to develop protocol materials to be used in classrooms on a nationwide basis," June 1, 1970, through June 30, 1971, under the direction of Dr. Paul Twelker, Associate Research Professor.

ADJOURNMENT

The Board adjourned at 3:15 P.M.

George H. Layman, President

R. L. Collins, Secretary
SUPPLEMENTARY MATERIAL


Appendix B -- July 23, 1970, Memorandum from Mrs. Johnson Concerning Curricular Requests
The 1971-1973 Budget Request

An Interim Report

Bringing together the elements of a biennial budget for a $200 million-
year enterprise, with employees (more than 20,000 of them) in every county
of Oregon, several states and foreign countries, and with concerns ranging from
marine biology to a mountain observatory, serving more than 50,000 students,
utilizing 24,000 volunteer workers, operating hospitals, car pools, and TV
studios--this is a job a little more intricate than some of the tasks in our
society.

Fortunately, the State System of Higher Education has had no lack of
advisers on how to make its budget more meaningful—if not more munificent.

Some of that advice was offered by me—some years ago. It looked better
to me then than it does now. But some of it still stands.

Fifteen months ago, the Ways and Means Committee offered a number of its
own recommendations. They have been taken very seriously and are being incor-
porated, so far as is feasible, in the budget request we will be laying before
the Board next month. Those recommendations requested:

1. Data on enrollment and staff personnel by rank, segregated between
those with teaching responsibility and those without.

2. Improved workload measurement (dissatisfaction with student-teacher
ratio; desire for measure of student contact hours, research effort,
public service, administration).

3. Line item budgets for Administration, Institutional Services, Operation
and Maintenance of Physical Plant, and Auxiliary Enterprises.

4. More specific information with respect to Agricultural Experiment Station
Operation, Forest Research Laboratory, and Gifts, Grants and Contracts.

We are sensitive to these expressions of legislative intent and will provide
substantial compliance.

We have, also, the directions of the Executive Department. We are endeavor-
ing to comply with these in full. The major change for 1971-1973 is in the effort
to relate more closely State System budget needs to state objectives as described
in the working draft of an Executive Department document entitled "Goals for a
Livable Oregon." Since the Executive Department seeks to describe state goals in
comprehensive terms, problems do arise in correlating State System budget detail to
the nature of the goals.
Like the Ways and Means Committee, the Executive Department requires explicit statements of the kinds of activities and levels of accomplishment anticipated, including identification of "output-oriented accomplishment measurements." This requirement will be met, although we are taking the precaution of seeking measurements that relate to the resources required. For example, "graduates" is a measure of output from the "Instruction" function; but we could multiply our output by taking in only senior transfers. "Student credit hours" seems to be a more valid measure of output and workload.

There is, furthermore, the national fad for planning, programming budgeting systems. Institutions and systems of higher education are moving toward methods of planning and program analysis that clearly identify the cost impact of proposed changes in programs. Our accounting and workload data do not yet permit us to make the kinds of analyses we intend, but Portland State University's participation in the testing of WICHE's Resource Requirements Prediction Model is laying the foundation for more meaningful budgets.

**The 1971-1973 budget process.**

This budget season has involved substantial changes in procedure both at the Chancellor's Office and in the institutions and statewide services. The primary burden of budget initiation has been placed squarely on the institutions and at most institutions the executive has enlisted the collaboration of the department heads. This has resulted in an extensive documentation of program and activity objectives and the identification of some unexpected and evocative workload measurements.

The task has been approached by the institutions with extraordinary responsiveness. It is difficult to express adequately our appreciation for their response to an enormously demanding assignment.

Although most of the institutions did not meet the schedule for submission, the requests are now in hand and have received their initial review. The review by the Budget Office staff is, itself, a new process. It is a grueling challenge, with many elements of chore.

Our process begins with a reading of the program narrative, so as to get a "feel" for the institution's perception of its budgetary needs. The second step is a review of the mechanical construction of the budget to identify deviation from instructions (proper classification of "base" budget, workload improvement, etc.; use of proper salary rates; prior Board approval of requests for new academic programs; etc.). The third step is the review of cost components to assess the reasonableness of the request and to assure an equitable relationship with similar programs at other institutions.

On the basis of this review and assessment, the Office of Administration has made a series of recommendations, which have been forwarded to the institutions for their review. If there is basic disagreement, the executives will have an opportunity tomorrow or Wednesday to make their views known in conference with the Chancellor.

The Board will have before it on August 18 the results of these processes, together with the recommendations of the Committee on Finance and Business Affairs.

**The dollar requirements.**

It is not appropriate at this time to discuss specific dollar numbers, since the figures we have are entirely tentative. However, it is clear that the recommendation to be made by the Board will require a substantial increase in financial resources.
To afford some glimpse of the problem, consider the following elements of increased requirements for "Education and General Services," simply to continue present programs in 1971-1973, without one additional student!

1. **Academic salaries.** Salary adjustments in 1970-71 average 6.2%. The additional amount required to fund this level of salaries in both 1.78% years of the new biennium requires an increase in the operating budget of 1.78%.

2. **Classified wages.** Similarly, the general increase in 1970-71 for state employees (4.25%) will require an increase in 1971-1973 of approximately 0.55%.

3. **Other personal expenses** (retirement, unemployment compensation, etc.). The additional dollars just referred to will require an increase of 1.04% .23% in the total budget and, in addition, other changes (as in Social Security) will boost the amount required from 9% to 10% of the total salaries and wages budget.

4. **Services and supplies.** Quite apart from the general increases in prices for supplies, there are increases in charges for utilities and the services of central state agencies that will require at least $1 million above 1969-1971 budgeted costs.

3.95% To summarize the "automatic" increase in our "base budget" at 3.95% provides no allowance for the impact of inflation, either to the extent it has exceeded legislative expectations in 1969 or as it will be experienced in 1971-1973.

Our next, unavoidable, priority is the amount required for the operation of new facilities which have come "on-line" in 1969-1971 and the operation of which must be fully funded in 1971-1973 and those new facilities which will be completed and operated for all or a portion of the new biennium. The amount involved is approximately $2 million.

The total, "fixed" increase in our budget comes to 5.1%.

But that is not the end of our budgetary problems. The estimates of enrollment for 1971-1973 anticipate an increase in the total number of students of 10.07%.

Assuming that workload implies an equivalent expenditure increase, we could be looking to a total increase of 15.17%--without allowing for a single program improvement or new program, without making any provision for inflation, and without providing for any salary adjustment.

Considering the probability that the increase of state revenues from present sources may not reach the 15% level, it is clear that we have not passed the last budget crunch.

**The Board's preliminary policy issues.**

It is the Board's responsibility to present for Executive Department consideration a budget request that clearly and fairly presents the needs of the
State System of Higher Education, if the Board is to perform its assigned functions fully and effectively. Therefore, it must submit a request that represents a considered judgment of the quality of higher education needed in Oregon. The fact that the request may exceed the fiscal resources immediately available cannot preclude the request but the Board does have a responsibility to acknowledge the probable limits of state appropriations.

1. The basic priorities

Accordingly, the most fundamental budget policy before the Board is that of how to acknowledge the difference between demonstrable, defensible, and desirable improvement, while identifying those portions of System needs that are most critical. It is proposed that the Board submit as its formal recommendation a budget that would provide funds to maintain present levels of service, meet the costs associated with the increased number of students, plus the most urgent of the program improvements and new programs. Considering the impact of inflation on all costs, excluding salaries, it is probable that the total budget request under these terms would require an increase on the order of 22 to 26%.

It is further suggested that the Board's budget proposal be accompanied by a supplementary document, conveying to the Governor the Board's recommendation of the additional desirable programs that should be undertaken, if sufficient funds are available.

In a sense, this proposes that the Board identify two classes of priorities for program improvement. The identification of these two classes will give evidence of our recognition of the realities of the state's fiscal condition, without obscuring the fact that there are other acknowledged needs.

2. Proposed program changes

In advance of the completion of the review process, we have several issues on which Board guidance at this time would be helpful.

a. Gym suit service. It is our assumption that the Board intends that the gym suit service budget be transferred from its present "auxiliary enterprise" category to the General Fund portion of the budget.

b. Health service. It has been suggested that the health service budgets should be similarly treated. In either case, the transfer would need to be accompanied by an equitable adjustment of the student incidental fee.

c. Programs for the disadvantaged. Each institution has requested funds to expand and/or improve the quality of its programs for minority and disadvantaged students. It is our assumption that these program improvements are near the top of the Board's priority list.
d. **Campus security.** We assume that the Board will wish to continue the funding of the personnel authorized by the Emergency Board last Friday and provide somewhat similar improvements at the other institutions. A high priority for this item is predicated primarily on the deplorable rise in the incidence of theft, vandalism and other crimes.

e. **Reductions in Federal and other grants.** The recent reductions in Federal grant programs and promises have posed new and serious problems for some of the institutions. An embarrassing recent incident is in the completion of the new Rehabilitation Center to be operated by the Crippled Children's Division. Constructed with Federal funds and with the expectation of Federal operating funds, we are required now to seek state funds for its operation. It has been consistently our position that grant programs do not create a higher level of state cost: when a grant is reduced or withdrawn, the program is completed and disappears, unless it can be absorbed through enrollment-related increases in level of expenditure. In the requests before us are proposals for replacement of the disappearing Federal and other grant money by new state money. Unless we are advised to the contrary, we expect to recommend—in a very limited number of cases—that these requests be approved.

3. **Academic salary adjustments**

We would prefer, and are discussing with the Executive Department, the submission of Board recommendations for academic salary adjustments in a package separate from the budget document. Since academic salary change is considered in conjunction with all other state salary and wage changes, we believe that a separate submission is warranted.

It has been established Board policy for many years to seek a salary scale that would place our salaries in a reasonably competitive relationship with the salaries of 19 comparable institutions in other states. This approach has been accepted in principle by the Governors and by the legislatures for more than a decade. In 1969, Governor McCall proposed that academic salaries be adjusted so as to reach the average of the 19 institutions in 1974-75.

So that we may develop the data for the 1971-1973 recommendation, the Board will wish to consider whether it intends to propose achievement of the estimated 19-institution average in 1971-72, in 1972-73, or in some later year. The Board could, of course, propose some other basis of adjustment, such as relating the adjustment to the cost of living index or to the adjustments recommended for the classified employees.

4. **Budget format**

In a separate document we have identified the "program structure" and "workload indicators" we have proposed in response to Executive Department directive. The program structure is substantially similar to that which was followed in preparing the 1969-1971 request.
There are, however, some changes in terminology and classification: "Education and General Services" replaces "Instruction, Related Research and General Services."

"Instruction" includes "related research." It will also include summer sessions.

"Extension and Public Services" is limited to the activities of the institutions. It does not include the Statewide Public Services or the Division of Continuing Education.

"Service Departments" are those activities, such as car pools, university presses, and other services whose costs are met entirely through charges to other accounts.

"Statewide Public Services" is unchanged except for the addition of DCE.

With respect to the "workload indicators," there is little that is new. What may prove helpful is the closer correlation between the data and the programs or subprograms affected. Board suggestions of other or additional indicators will be welcome.

"Research and Other Projects" is a new title for "Gifts, Grants, and Contracts."

Although format is not, strictly speaking, a policy matter, it does reflect policy and may influence policy. For example, we plan to focus analytical attention on programs, not institutions. We plan to present budgetary detail for auxiliary enterprises and relate it to workload.

Board counsel on matters of format is invited.

* * * * * * *

The preparation and review of budget plans is perhaps the second most significant enterprise to receive the Board's attention for it is the biennial translation into specific program segments of the Board's long-range plans. The "Master Plan"--by whatever name--is the most significant of your responsibilities but it is the budget through which the plan is transformed into deed.

In the work that has been done so far, it has not been possible for me to anticipate the issues as far ahead as I should have liked. Even so, by the time the budget process is concluded for this year, you will have had several additional opportunities--in the Finance Committee and otherwise--to provide the guidance appropriate to the importance of the work.
State System of Higher Education

1971-1973 Budget Request

Program Structure and Workload Indicators

Part II of the Executive Department's 1971-1973 Biennial Budget Preparation Manual directs the submission of "a proposed program and budget request structure outline" and an "outline of activities and workload data."

The following outline endeavors to respond to both directives.

Program and Subprograms

Education and General Services

Instruction

Student credit hours produced
No. of students (3-term FTE)
Lower division
Upper division
First level graduate
Second level graduate
Medical School
Dental School
No. of summer session students

Organized Activities Related to Instruction

No. of research projects
Dollar cost
Publications
Number
Number of copies

Extension and Public Services

No. of formal courses
No. of students
No. of persons served
No. of groups led
No. of publications
No. of copies

Libraries and Museums

Number of books
Annual requisitions
Number of current serials
Average weekly hours of operation
Meeting #387-123

Student Services

No. of students (full-time headcount)
- Freshmen
- Sophomores
- Juniors
- Seniors
- Graduates

Annual No. of graduates

Operation and Maintenance of Physical Plant

Areas of campus grounds
- Building areas used for
  - Education and General Services (gross square feet)
  - Classroom
  - Laboratory
  - Office
  - Other

General Administration

No. of personnel (headcount)
- Academic
- Classified
- Student workers
- Other

No. of budget accounts
No. of vouchers issued

General Institutional Expense

No. of alumni
- Value of buildings
  - Restoration Fund
  - Other

No. of classified personnel
No. of purchase orders

Service Departments

Statewide Public Services

Teaching hospitals and clinics
- Patient days
- Laboratory tests and procedures
- Outpatient visits

Crippled Children's Division
- No. of outpatient visits
- Patients on register

Dental Clinics
- No. of patient visits

Cooperative Extension
- No. of persons served
- No. of groups led
- No. of publications
  - No. of copies
- No. of volunteer leaders
<table>
<thead>
<tr>
<th>Auxiliary Activities</th>
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<tr>
<td>Residence and Dining halls</td>
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<td>Cafeterias and snack bars</td>
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<td>Student Centers</td>
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<td>Bookstore</td>
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<td>Athletics</td>
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<td>Other housing</td>
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<td>Parking</td>
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<td>Health Service</td>
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<tr>
<td>Research and Other Projects</td>
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</tbody>
</table>

- No. of research projects
  - Dollar cost
- Publications
  - Number
  - No. of copies
- No. of projects
  - Dollar cost
- No. of demonstrations
- No. of publications
- No. of copies
- No. of formal courses
  - No. of persons served
- No. of other meetings
  - No. of persons served
- Hours of programming per year
  - Radio
  - Television
- No. of residents (3-term average)
- No. of transients served
  - Housing
  - Meals
- Persons served
- No. of students (3-term average)
- Gross dollar volume
- No. of persons housed
- No. of spaces maintained
- Patient days
  - Outpatient visits
  - Laboratory tests and procedures
- No. of Projects
  - Publications
    - Number
    - No. of copies
MEMORANDUM:

To Members of the Academic Affairs Committee and
Board of Higher Education

Subject:

Requests of Oregon State University and the University of
Oregon to change the requirements for English composition
and hygiene.

Nationally, there has been a tendency in the last few years to look
at the basic group requirements traditionally accepted as part of the courses
common to the earning of an undergraduate degree at most colleges and uni-
versities. Demands for changes have grown from some of the following charges, among others:

1. That the needs of students and society have markedly changed.
2. That the normally-required courses restrict the flexibility of
   choice for particular students.
3. That required courses are often dull, repetitive, boring.
4. That students are better prepared, knowledgeable or skilled when
   they enter colleges or universities.
5. That required courses, as they presently are being taught, are
   "not getting the job done."

The requests of the University of Oregon and Oregon State University
to reduce the requirements in English composition, and in the case of O.S.U.,
to drop the required one-hour course in hygiene, are cases in point.

(cont)
However, if one assumes the necessity for graduates of colleges and universities to be able to express their ideas and thought effectively in written or oral communication; if one assumes there is validity in oft-expressed and strongly-held complaints of employers, professional and graduate schools, editors, and others, that much of the writing, spelling, punctuation, grammar and organization of thought exhibited by many students is poor-to-"atrocious"; if one is aware of best results showing need for improvement; if one accepts the relevance to the individual and to society of an ability to convey knowledge and thinking in clear, concise, understandable form, then one must question where, if not in schools and colleges, such proficiency is to be taught and learned. This means that any claims that English composition, as presently taught, "is not getting the job done" includes all segments and levels of education, and should involve joint planning and a united attack on and evaluation of the problems. It is wasteful and defeating, as well as a source of confusion, to have each level of education looking to another for responsibility and placing the onus for failure or disappointing results somewhere else.

It is less than satisfactory, it seems to me, to have the professionals who are experts in the fields of communications say, "Yes, we recognize the importance of teaching - and learning - the arts of effective communication; yes, the approaches we presently are making are not accomplishing the results we would like; yes, we think every department and school should be involved, and they may be - on an elective or required basis - with, or without, our direct involvement; meanwhile, since we are 'not getting the job done' by a required three-term, nine-hour sequence, horizontal or vertical, in English composition, our recommendation is to cut back the required hours, in the hope that somehow, sometime, the other departments and schools will pick up the slack, or that

(cont.)
students will recognize their own shortcomings or needs, and volunteer for, or be referred to, a no-credit 'writing clinic' for remedial work, or for self-improvement. The hours freed by abandoning the requirement in English composition (6 hours at O.S.U. and 3 hours at the U. of O.) can be used to gain greater flexibility in selecting elective courses."

The matter of ascertaining the proficiency levels necessary for (a) waiving the required composition courses, or (b) for measuring the satisfactory level of competency after completion of Writing 121 has been left very vague. As quoted from the minutes of the Academic Affairs Committee on July 6:

"...Various ways are proposed to measure the proficiency level. The U. of O. waives composition for about 10% of its students on the basis of CEEB best scores. S.O.C. is experimenting with permitting students (only those in general studies - about 30% of the entering class) to demonstrate proficiency before an examining committee, or by successfully completing six hours of composition, and three hours of speech. O.S.U. (which has eliminated the English and Math achievement Test for incoming freshmen - see report of Counseling Center 1969-70) proposes a single term of composition, the passing of which (on a satisfactory-unsatisfactory basis) will constitute demonstration of satisfactory proficiency for graduation insofar as institutional standards are concerned. (Students will be required to repeat the course until a grade of "satisfactory" (undefined - with no apparent way to recognize excellence) is achieved...

The institutions will offer courses beyond the proficiency level for those students requiring additional skill in communications, either to meet professional requirements of their major field of...
study or to serve personal interests and needs. Dr. Romney observed
that it is anticipated by the institutions, particularly O.S.U., that
schools and departments will establish their own requirements as to
communications skills and will require work in this area in excess
of the minimum institutional requirements. He said it was unfortunate
that the institutions had not presented a complete picture of the
communication skill requirements proposed by the institution and by
the schools and departments within the institution. The total
picture would be more reassuring, he said. Dean Nicodemus said that
not all the schools (especially Humanities and Social Sciences)
(parentheses mine) at O.S.U. had decided what their requirements
would be, but that he would seek to provide more information along
this line."

The "solution" offered at the U. of O. is that since the second course
(Writing 222) is an "ineffectual" and "superfluous" tool for teaching "because
it concentrates on the general techniques of the research paper, a matter which
increasingly is taught in high school courses, and which, therefore, makes the
course repetitious," it should be dropped. This assumes that, at age 17 or 18,
one has learned as much as he needs for preparing a lengthy, expository paper,
that he will not - or cannot - improve; or, perhaps, hasn't broadened his
interests or knowledge in the intervening year or so. (By way of example, I
might cite my experience this spring as one of three or four "judges" of a
state-wide writing contest for high school students which carried a substantial
scholarship award as a prize. The finalist papers (selected from all over
the State) were sent to the judges. While the judges were unanimous in their
selection of the "best" entry, they all questioned the quality of the papers
as to originality, freshness, clarity of thought, punctuation, sentence structure,
organization, etc. I would be reluctant to think that these students could not -
(cont.)
or would not - write better two years later, especially under the direction of a highly-educated professional).

It seems to me an indefensibly casual statement to justify retaining Writing 121 as a requirement to say, as the University of Oregon Composition Department paper does,

"We believe that it is important to retain this first year course at least partly to insure that the high schools will continue to give attention to the teaching of composition to college-bound students."

I find it difficult to see much organized or substantive approach to solving the problem of improving communications skills in the reasoning of the U. of O. that:

1. "Proficiency in writing comes only through frequent and disciplined practice..... and that students should be required to do so" - but not in the English composition department, it seems. The writing should be required in history, philosophy, law, psychology, etc., but there is nothing in the proposal to indicate how this "requirement" would be implemented - or even if there is faculty interest and determination in seeing that it should be so. The U. of O. English Composition Department says: "If there is a general wish to improve student writing, we in the English Department would endorse it fully...." However, they indicate that the task is arduous, that many faculty members in other subjects recoil from it, and "their reluctance to insist on good writing must be overcome." That there is anything going on at the U. of O. to correct this is not indicated.

2. No mention is made of any interest in requiring any level of proficiency in oral communications.

(cont.)
3. No mention is made of any requirements, or proficiency tests, in departments or schools of the U. of O., despite President Clark's statement on July 6, that he felt "improvement of writing skills would come about only through the interest and cooperation of the individual schools and departments. He said the U. of O. would have difficulty staffing the junior course in writing if it were required to retain the sophomore course as a required offering, that if instruction in composition tied into the departments is to be really effective, much greater resources must be put into the effort than now are available. He said that once the severe economic condition of the State is resolved, he hoped more resources would be available, but at that time (emphasis added) he would recommend putting the money into academic departments and professional schools to enable them to participate in this kind of instruction, rather than into the Composition Department."

Meanwhile?

Since the State seems to be headed for an even tighter financial situation in the next biennium, and since there is a crisis in funding for local school districts and community colleges, which will demand priority considerations, apparently the students attending the U. of O. in the interim will continue to be short-changed.

4. The U. of O. has not made any indication of its proposed budgetary allocations of the funds which would be released by the elimination of Writing 222 as a required course. Certainly, as an elective, and especially as discredited by the English Department itself, Writing 222 will draw a much smaller enrollment.
In like manner, I am concerned about the O.S.U. response to the problem of improving communications skills.

1. With no allusion to oral communications, it would cut back to one three-hour course, Writing 121, and despite statements to the effect that "students will be required to repeat the course until a grade of 'satisfactory' is achieved," there was no indication of what level of proficiency would constitute "satisfactory" and no indication of what kind of requirements the different schools would substitute, or add, to achieve improvement or demonstrate proficiency in communications.

2. O.S.U. suggests no-credit "writing clinics" be established to provide special help in achieving the level of competency in writing required by some of the major schools and departments (unspecified). Since these clinics would be open to students who are not meeting standards of their instructors or departments, and to students who voluntarily seek their services and would offer no credit, it is extremely doubtful that many students would thus be exposed to the additional help envisioned.

3. The writing 121 course would be offered only on a "satisfactory or unsatisfactory" basis, thus giving students only the roughest kind of estimate as to their achievement. I am puzzled by a statement in the report of the Counseling Center, 1969-70, page 5, under "Testing:" "Because of the elimination of the English and Mathematics Achievement Test requirement for incoming freshmen, the number of College Entrance Board Tests administered during registration was reduced from 1062 to 143."

Apparently, OSU measures the "input" into English composition (cont.)
by G. P. A's from high schools. And yet, evidence based on
studies conducted by the Department of Education at intervals
since 1951 in Oregon's elementary and secondary schools (see
report "Improving Teaching of Written Communication," Sept.
9, 1968), shows that:

A. "Though Oregon pupils have consistently achieved
slightly above national norms in written composition,
their performance in composition as measured by
standardized tests has been generally lower than it
has been in other subjects."

B. "Oregon pupils compare less favorably with the
national norms for written composition at the
eleventh grade than they do at the ninth grade."

The possible causes for this are listed as (1) "the time
and attention devoted to the subject, (2) the qualifications
of English teachers [the responsibility of Schools of
Education], (3) classroom conditions including teaching
loads, and (4) the methods [responsibility of Higher Education]
and materials used for instruction." [There is documentation
for these possible "causes"]

4. This evidence, the testimony of employers, editorials, and
general public opinion contradict assertions made that
Oregon students come from high school better prepared, and
that "the writing capability of students has improved over
the years."

5. O.S.U. indicates that its present 9-hour English composition
course (vertical) is "not doing the job," that they expect
the schools and colleges will substitute other requirements

(Cont.)
to assure improvements and higher levels of skills, but the substantive means and the proposals of the schools and colleges have not, apparently, been worked out, nor presented to the Curriculum Committee at Oregon State University for approval.

6. Much of the evidence indicates that the elementary and secondary teachers assigned to teach English composition have themselves concentrated on literature and have not studied either the content or methods of teaching composition in any depth. (See Board of Education Report).

The O.S.U. proposal apparently would drop the 9-hour requirement to three for all students, including those in the professional schools, contrary to the proposed experimental program authorized for S.O.C.

**HYGIENE**

As far as the requirement of one term of work in General Hygiene is concerned, the assertions have been made that:

1. "The requirement of work in General Hygiene has been a source of dissatisfaction for both students and staff for the past several years."

2. Basis of the complaint has been that for many students, much of the work presented is dull, boring and repetitive of information they already have received in high school and junior high school, and/or information studied in much greater depth in other college courses.

3. O.S.U. will attempt to revise a three-hour course (elective) to make it more relevant and more "interesting," but since it will not be required except for students majoring in Health and Physical Education, most students will not elect to take it. (cont.)
Evidence assembled on a national scale and evidence presented by the American Collegiate Health Association would indicate that students have not been taught many basic facts concerning nutrition, (Robert B. Choate, an assistant on the staff of the White House Conference on Food, Nutrition and Health, and a consultant to the Department of Health, Education and Welfare, is quoted in a UPI release July 23, 1970 as saying: "Most Americans are nutritional illiterates." - Bend, THE BULLETIN, July 23, 1970 - ), drug usage, alcoholism, sexuality, etc. The Education Commission of the States' National Assessment Report on Science indicated that only 27% of 17 year-olds knew the day on which ovulation occurred. Venereal disease is rising at an alarming rate, unwanted pregnancies have shown a marked increase, and abortion laws are being changed as a partial solution to many problems connected with controlling population, and coping with the "new morality". Doctors and nurses attending the National Conference of the ACHS repeatedly warned of "abyssmal ignorance" of college students about basic health information.

Rather than drop the one-hour requirement it would seem more appropriate to challenge the professional experts in the Health and Physical Education Department to come up with a required course that would be relevant, timely, substantive, and in touch with the big social issues centering on health problems and individual well-being.

As Chairman of the Academic Affairs Committee I would recommend that the Board not approve the request of O.S.U. to drop the required course in Hygiene, but, as one of the leaders in health education, turn its attention to devising a timely, relevant syllabus and take a fresh look at the possibility of providing leadership in this area.

As to the requirements in English Composition, I hold no brief for holding to the necessity of approaching the difficult problems of teaching communication skills by the present three-term, nine-hour composition courses,
arranged horizontally or vertically. I do have strong feelings about making courses in communications skills a requirement, not an elective, and in making evaluations of a student's progress as meaningful as possible in order to guide him in further efforts. It flies in the teeth of experience, human nature and predictability to suggest that many students will voluntarily elect rigorous courses in composition and/or speech.

The Board should reaffirm its concern about and its commitment to improving the standards and proficiency levels in written and oral communications skills as part of the requirements for a degree. Any approval of the proposed changes in the English composition requirements for the baccalaureate degree should be on the premise that they are temporary and must be followed up by required proposals from the various departments and schools within the institution to deal with the problem.

There should be made to the Board, by January of 1971, a report and a revised proposal from the University of Oregon and Oregon State University, and any other institution that has been authorized to make or intends to make changes in its approach to teaching communications skills, indicating:

1. The objectives and goals that it seeks to reach. These should include the student proficiencies at entrance, the requirements of the professions, graduate schools, employers, the areas of the student's major concentration, etc.

2. A realistic and frank appraisal of the state of the art at the time, and plusses and minuses as they are assessed by the professional staffs and the institutional executives.

3. Recommendations for changes tied to (1) the objectives and goals, (2) proficiency levels, (3) other schools and departments within the institution, (4) other institutions in the state system, (5) the lower division college transfer programs of the community colleges.

(cont. )
4. Some suggested means for evaluating the "outputs" of the courses or programs. (This would, of necessity, call for some means of evaluating the "inputs" - that is, the proficiency level of the student when he commenced the communications courses, and his progress - or lack of it - through the institution's program).

5. Budgetary considerations: Staffing, library, learning centers, clinics, self-help aids, counseling, testing, etc.

6. Recommendations for additional changes or new approaches. There should be "sharing" among State system schools and community colleges of effective ways to teach some of the basic skills in these common basic courses, so that each institution is not in the position of "inventing the wheel". The Coordinating Council, which was responsible for distributing $750,000 of general fund money for the improvement of undergraduate teaching, should be involved.

7. A clear affirmation of the point made by Mr. Layman at the committee meeting - that the Board should not try to exercise judgement on every detail of the administration of the basic course requirements, but that with respect to the basic requirements for a degree from any State system institution, the Board should take action - should be a part of this motion.