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Report on Portland Center for OIT

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ADJOURNMENT 161
A regular meeting of the State Board of Higher Education was held in the Main Lounge, Hoke Center, Eastern Oregon State College, La Grande, Oregon.

The meeting was called to order at 10:30 a.m., May 27, 1983, by the President of the Board, Mr. Robert C. Ingalls, and on roll call the following answered present:

Mr. John W. Alltucker
Mr. Alvin R. Batiste
Mrs. Jane H. Carpenter
Mrs. Harriett J. Flanagan
Mr. Randal D. Gill

Mr. Edward C. Harms, Jr.
Mr. Louis B. Perry
Mr. James C. Petersen
Mr. Loren L. Wyss
Mr. Robert C. Ingalls

Absent: Mr. Weatherford was absent for personal reasons.

OTHERS PRESENT

Centralized Activities--Chancellor William E. Davis; Secretary Wilma L. Foster; J. I. Hunderup, Vice Chancellor for Facilities Planning; Clarethel Kahananui, Acting Vice Chancellor for Academic Affairs; W. T. Lemman, Vice Chancellor for Administration; Jerry Lidz, Assistant Attorney General; Melinda Grier, Compliance Officer; Larry Pierce, Assistant to the Chancellor for Strategic Planning; J. Richard Pizzo, Assistant Vice Chancellor, Student Services; Tim Marsh, Information Director; Kay Juran, Legislative Liaison.

Oregon State University--President Robert MacVicar; Judith Kuipers, Dean, Undergraduate Studies.

University of Oregon--President Paul Olum; Richard J. Hill, Provost.

Oregon Health Sciences University--President Leonard Laster; J. T. McGill, Vice President; Carol Lindeman, Dean, School of Nursing; Donna Schantz, Associate Dean, School of Nursing; Jeanne Tucker, Instructor, School of Nursing; Caroline White, Chairperson, Community Health, School of Nursing; Marcia Shoup, Coordinator, School of Nursing (EOSC); Patricia Taylor, Associate Professor, School of Nursing (EOSC); Constance H. Calvin, Professor, School of Nursing (EOSC); Carol Grubbe, Secretary, School of Nursing (EOSC); Shirley Petersen, Administrative Assistant, School of Nursing (EOSC); Constance Smith, Instructor, School of Nursing (EOSC).

Portland State University--President Joseph Blumel; Margaret J. Dobson, Vice President for Academic Affairs.

Eastern Oregon State College--President David Gilbert; Katsuyuki Sakamoto, Associate Dean; James Lundy, Dean of Business Affairs.

Oregon Institute of Technology--President Larry Blake; John Smith, Dean of Administration; William W. Smith, Dean of Academic Affairs.

Southern Oregon State College--President Natale Sicuro; Ernest Ettlich, Dean of Academic Affairs; R. A. McCoy, Chairman, Department of Mathematics; Sheldon T. Rio, Director, School of Science/Mathematics.

Western Oregon State College--President Richard Meyers; Dori Beeks, Assistant to the President; Jack Bergman, Dean, College of Liberal Arts and Sciences; Edward B. Wright, Director, Academic Computing; George L. Wyatt, Professor of Economics.
Meeting #501

MINUTES APPROVED

The Board dispensed with the reading of the minutes of the last regular meeting held on April 22, 1983, and approved them as previously distributed. The following voted in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Wyss, and Ingalls. Those voting no: None. Director Petersen was absent from the meeting at this time.

CHANCELLOR'S REPORT

Appointments to Administrative Positions

Daniel A. Williams, Vice President for Administration at the University of Oregon, effective July 1, 1983, at an annual salary rate of $52,500.

Jo Anne J. Trow, Vice President for Student Services at Oregon State University, effective July 1, 1983, at an annual salary of $48,840.

Joe Sicotte, Associate Vice Chancellor for Personnel Services, effective June 13, 1983, at an annual salary rate of $44,700.

The Board approved the appointments as recommended, with the following voting in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Wyss, and Ingalls. Those voting no: None. Director Petersen was absent from the meeting at this time.

M. J. Christlieb, Designation as Dean Emeritus

The Chancellor recommended that Mary J. Christlieb be given the title Dean Emeritus at Southern Oregon State College, effective July 1, 1983. The Chancellor said Dean Christlieb had completed 26 years of very distinguished service at that institution.

The Board approved the recommendation as presented, with the following voting in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Wyss, and Ingalls. Those voting no: None. Director Petersen was absent from the meeting at this time.

Report on Appointment of Joint Committee

The Chancellor indicated that he had met with Dr. Verne Duncan, State Superintendent of Public Instruction, to discuss the appointment of an ongoing standing joint committee which would be concerned with areas of mutual cooperation and overlap among the community colleges, the public school sector and the State System of Higher Education. The committee is envisioned to include nine or ten people from the two departments of education and is expected to meet several times a year.

Distribution of Documents

The Chancellor stated that he had prepared a response to the Portland City Club report. Copies were distributed to Board members.

Position Paper No. 14 also was distributed to the Board. The paper dealt with the degrees and enrollments in the sciences. The Chancellor noted that almost all of the master's and doctoral activity in the sciences is within the State System of Higher Education.

Summary of Biennial Operating Budget Action

The Chancellor reviewed the tentative action of the Education Subcommittee of the Joint Ways and Means Committee as of May 25. At least one additional work session is scheduled. He said it had been very helpful to have the participation of Board members in a number of the hearings, particularly those in which various aspects of the institutional budgets were presented.

The base in the Governor's budget was $325,954,000. In the previous biennium it was slightly over $300 million. The base was adjusted to increase the allocation for communications and to decrease the amount for fuel and energy costs by $4.6 million. The latter did not represent a budget reduction because the costs were not as great as had been anticipated.
Early in the Legislative Session, $4 million was allocated to Higher Education as part of the difference of $117 million between the Governor's recommended budget and the maximum revenues that could be raised without a revenue change. This was an adjustment to the base simply to balance the base, and it did not represent program cuts.

The Chancellor indicated that most of the items specifically recommended in the Governor's budget had been approved by the Ways and Means Subcommittee. He noted that the Governor's budget for General Funds and Other Funds amounted to $562.9 million and the approved total was $561.1 million. If a revenue increase should occur, it would be desirable to get the $4 million restored to the base and to obtain some relief for faculty and staff salaries in the next biennium.

At the request of Mr. Wyss, the Chancellor explained further the plan for distinguished professorships. He indicated that the presidents and representatives of the institutions had stated that the limitation on salaries was one of the critical factors in retaining exceptionally high quality faculty members. The subcommittee considered this an important issue and placed an undesignated salary reserve in the budget to provide six or seven salary supplements for outstanding faculty members in each year of the biennium. The president of the institution would submit a request to the Chancellor's Office for consideration. The request would be reviewed along with other requests and would be subject to the approval of the Board. The Chancellor said he had stated to the subcommittee that once the supplement was made, it would be a permanent adjustment to that individual's salary. He cautioned that good judgment would be required in the presentation of requests and the administration of the program.

The Chancellor indicated also that the development of the Asian studies and trade centers as part of the high technology development had attracted interest and support. The proposal submitted was for an international trade center to be located at Portland State University as an interdisciplinary institute crossing several fields. There would be a heavy concentration on the Port of Portland and the potential further development of trade and commerce.

The Chancellor recommended that the Board approve the budget items which were not part of the original budget request. These included the operating costs of the Water Bureau Building, the International Trade Institute at Portland State University, the salary supplement for distinguished professors, funds for toxicology and new and alternative crops, two half-time field positions in Yamhill County, and tree and wood quality cooperative research.

The Board approved the Chancellor's recommendation, with the following voting in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Wyss, and Ingalls. Those voting no: None. Director Petersen was absent from the meeting at this time.

Later in the meeting, Mr. Ingalls asked the Chancellor about the present status of the purchase of the Water Board Building. The Chancellor said the building is leased until February 1, 1984, for one dollar. Outside funding is being sought to purchase the building. The legislative appropriation will fund the utilities until February 1, 1984, and the remaining amount for utilities will be held in reserve pending a determination on the possible purchase. It would be possible to issue bonds for half of the purchase price. The Constitutional requirement is that under Article XI-G the state may not authorize bonding in any amount in excess of the amount of the General Fund appropriation in any biennium for capital construction. If the Legislature were to appropriate funds from the General Fund for half of the acquisition cost, the Legislature could authorize the issuance of bonds for the other half. Therefore, any gift funds would need to be placed in the General Fund to meet the Constitutional requirements.
Mr. Ingalls introduced Mr. Stafford Hansell, a former legislator, a member of the Governor's Commission on Foreign Languages, and a farmer from the Hermiston area. Mr. Ingalls said Mr. Hansell was one of Oregon's most distinguished citizens and invited him to make his presentation.

Mr. Hansell explained the importance of a knowledge of foreign languages as business people and farmers negotiate with people of other countries in business transactions. He said over the years he had had an opportunity to employ a number of exchange students in work programs. These students were from Japan, the Philippines, Great Britain, Brazil, and Denmark. He said this has been a tremendous program that had been advantageous to him, to his workers, and to the students in the program. Mr. Hansell concluded by saying that he supported and recommended the establishment of a foreign language requirement in the entrance requirements.

Mr. Wyss asked whether Mr. Hansell had an opinion about how quickly that recommendation should be implemented in view of the complaints received from the local school districts about the tremendous costs of allocating new people to new subjects. Mr. Hansell said the Board should be very sensitive to that issue and that he did not think requirements prior to 1990 would be effective. He suggested the possibility of exceptions because of the burden to some of the small school districts. However, the faster it could be done, the better.

The Chancellor thanked President Gilbert and his staff for their very gracious hospitality. He commended them on their outstanding cooperation with the community and their high morale and effectiveness. He congratulated them on an advertisement placed in the local newspaper announcing the names of their ten President's Scholars and the ten donors from the local area.

Mrs. Virginia Lindberg, a member of the Educational Coordinating Commission, and Mr. Batiste were requested to present the report of the Joint Committee on High School/College Connection.

Mr. Batiste indicated that at the May 13 meeting of the Board of Education, the Board of Higher Education, and the Educational Coordinating Commission, all three boards accepted the report of the committee. The Board of Higher Education reserved any further action on the report, other than acceptance, to the regular May Board meeting.

Mrs. Lindberg expressed her personal appreciation to President Gilbert and the faculty and staff at Eastern Oregon State College for their help in enabling her to complete her teaching certification. She said the citizens in the less populated areas of the state really need the type of service provided by an institution such as Eastern Oregon State College.

Mrs. Lindberg said all three boards agreed that there is a need for new higher standards of academic preparation for college. The only immediate issue is on what basis these standards should take place and the implementation schedule. She summarized the concerns expressed by educators. The class of 1985 is now finishing the sophomore year in high school and some of its members may not have completed two years of English and one year of mathematics. For those students to meet the requirements would lead to a demand for extra sections. The alternate admission policies proposed by the Chancellor might resolve that difficulty. There is also a concern because of the existing shortage of mathematics, science, and foreign language instructors. Agreement on the educational outcomes from the proposed requirements should precede rather than follow the establishment of unit requirements.
Mr. Batiste emphasized that the course content has not been developed. He reviewed the timeline for developing the curricula to support the established outcomes. The recommended unit requirements are only proposed units and may change once the course content review is completed. He noted that once subject requirements are discussed, the implementation begins to occur.

Mr. Wyss asked whether the committee had considered the alternative of an earlier implementation with a liberal system of exceptions as opposed to the later implementation dates with less liberal exceptions.

Mrs. Lindberg said she had favored the 1985 implementation but the rest of the committee, based on the information available, had determined that it was apparently more realistic to set a 1986 implementation date, especially for the smaller school districts. Consequently, she had acquiesced, but she said she was still concerned about the students who would not be meeting the requirements in the meantime.

Mr. Wyss inquired whether the statistics did not show that a large number of the schools were currently supplying course work that would be acceptable for the proposed admission standards.

Mrs. Lindberg replied affirmatively. Mr. Batiste pointed out that the number of students that have taken the traditional courses, as proposed in the requirement, has been decreasing. He also indicated that the courses to meet the proposed requirements have not been developed yet in terms of the acceptable course content.

Mr. Wyss suggested this might be a reason to move more quickly to implement the new requirements.

Mr. Batiste indicated that the joint committee chose the phased-in process in order to move as rapidly as resources would permit. One of the limited resources would be the available supply of science and mathematics teachers.

Mr. Wyss said he would agree to the extent that there was a supply or resource limitation that could not be increased, but he commented that a question of priorities might be involved also.

Mr. Batiste said the committee had been persuaded by the fact that the freshmen students would still have time to complete the requirements by the 1986 date.

In discussing the ability of the school districts to implement the requirements by 1985, it was stated that 86 districts had said that it could be done and 77 had said that it could not be done by that date in their districts. Definite information was not presented on whether the larger or smaller districts would have greater difficulty.

Mr. Batiste pointed out in closing that the colleges also have a responsibility to examine their curricula and review graduation requirements.

Staff Report to the Board

Pursuant to authorization granted by the Board on July 26 and December 13, 1960, a lease agreement was executed with the Portland Center for Hearing & Speech, Inc., for approximately 0.4706 acres of land north of the Crippled Children's Division Building on the campus of the Oregon Health Sciences University in order to provide a site for the construction of a building for the Center. The lease agreement was dated December 31, 1960, and extends to December 31, 2010. The initial one-story structure for the Center was completed in 1962 with financing from a federal grant and private donations. No state tax funds were involved.

Later, on two occasions, when the need for services provided to the public and to the Medical School increased, the Board authorized modifications to the original lease. On June 27, 1966, an additional 0.0408 acres was added on the west side to allow space for needed service areas to the building.
The Center raised the funds and added a second story to the building at no cost to the State of Oregon, increasing the area of the structure to 16,740 square feet. A portion of the second story houses the Kresge Hearing Research Laboratory which is a division of the Department of Otolaryngology and Maxillofacial Surgery of the Medical School. This space is leased to the institution by the Center under the provisions of a separate agreement and the rental payment is negotiated annually.

The second modification to the land lease was executed on May 15, 1967, to provide an additional 0.0849 acres on the east side of the site for an adequate parking area to service the facility.

The directors of the Portland Center for Hearing & Speech, Inc., have advised officials of the Oregon Health Sciences University recently of their intent to construct a two-story addition (measuring 20' x 96' on each floor) which would add about 3,840 square feet to the existing building. According to preliminary plans prepared with the assistance of Ivars Lazdins, AIA, the addition would be constructed on the south side of the building. The increased space on the first floor would provide offices for the audiology staff, a hearing testing chamber, an underground RF shielded room for electrophysiologic studies and research, an audiology equipment calibration laboratory and computer room, an area for a new voice clinic, and an office for the Center's women's auxiliary. The new second floor addition would house a tinnitus tests clinic, an electronystagmography (ENG) clinic, an auditory brain stem response clinic, a laboratory for tinnitus electrophysiological studies, and offices for laboratory and clinic personnel. The estimated cost of $275,000 for the building addition and $140,000 for new equipment and furnishings would be financed from gifts now being solicited from local and national foundations, selected corporations, service clubs and individuals.

Inasmuch as the site of the proposed addition would extend beyond the southern boundary of the land now being leased, and a new underground research testing area is being considered so as to eliminate electrical interference with research equipment from the Council Crest radio transmitting tower, a further modification of the lease is requested by the directors of the Center. It is expected that the amendments would cover a strip of land 10' x 96' (960 square feet) along the entire south side of the existing building and another strip of land 17' x 118' (2,006 square feet) along the west side of the existing leased parcel. Assuming that adequate funds are raised by the Center, the construction of the proposed addition could begin this Summer and be completed in five to seven months.

Because of the benefits which accrue to the Oregon Health Sciences University from the programs and activities of the Center, no charge is made for the use of the campus land.

Staff Recommendation to the Board

It was recommended that the appropriate Board officials be authorized to execute a further amendment to the lease agreement of December 31, 1960, with the Portland Center for Hearing & Speech, Inc., to include sufficient additional land for the proposed expansion of the facilities and that the Board's staff be authorized to indicate the Board's approval of the drawings and specifications for the project following review prior to construction.

Board Discussion and Action

The Board approved the staff recommendation as presented, with the following voting in favor: Directors Altucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Wyss, and Ingalls. Those voting no: None. Director Petersen was absent from the meeting at this time.
In August 1982 the Chancellor proposed the addition of 14 required college preparatory courses as a condition for admission to Oregon's public four-year colleges and universities. Since then the proposal has been carefully reviewed by all three educational segments and by the public. Public hearings were held across the state by the State Board and by a Joint Boards Committee appointed to consider this issue. Hundreds of people testified at the hearings. Many letters have been received from concerned parents, teachers, school administrators, and lay members of school boards and public advisory groups.

Most parents, teachers, and citizens at large support the addition of course requirements for admission to State System colleges and universities. Although some public school administrators have raised concerns regarding the proposed timetable for implementation, the majority of high schools have indicated that necessary courses were or could be made available to meet the time-line proposed. The Board's staff is therefore persuaded that it would be in the best interest of Oregon college-bound students to adopt the proposed course requirements for freshmen admission effective fall term 1985.

Some high schools may not be able to comply with all the requirements by that date. Exception to the admission requirements would provide high schools time to meet fully the course requirements. This exception should be available, but only until fall term 1987 and then only for students from high schools certifying that they were unable to provide the required course(s) for which the exception is granted.

Alternatives to the course requirements, outlined in Section 4 of the admissions summary found on p. 138, should be adopted to provide admission opportunities for nontraditional students and others who did not complete the specified course requirements in high school.

The Board should continue to review its admission requirements at frequent intervals and initiate further changes determined to be appropriate. Particular attention needs to be paid to requirements in foreign language, both as a condition for admission to and graduation from the state's public four-year colleges and universities. It is obvious, too, that attention must be paid to careful articulation between the public schools, community colleges, and four-year institutions in computer science instruction. Committees should be established to work cooperatively in this area. However, instruction in computer science has not been developed to the extent that requirements in this field should be made a part of either admission or graduation requirements at this time.

It was recommended that the Board take the following actions to provide advance notice to high schools and to prospective students concerning admission requirements for 1984-85 and 1985-86:


2. Continue the admissions requirements and alternatives now in effect for 1984-85.

3. Adopt, as an addition to the present admissions requirements and alternatives, specific course requirements and alternatives, as set forth pp. 137 and 138, effective 1985-86.

4. Provide that students from high schools unable to provide course(s) to meet the admission requirements by 1985 will be admitted without the unavailable course(s). This exception is to be available only until fall term 1987 and then only to students from high schools certifying that they were unable to provide the required course(s) for which the exception is granted.
NOTE: Course requirements as proposed below are for freshmen admission of resident and nonresident students to all State System institutions. Levels of performance as demonstrated in the overall high school grade point average and/or scholastic aptitude tests required of entering students will vary (as now) among the institutions.

COURSE REQUIREMENTS

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>YEARS (UNITS)</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
<td>All four years in preparatory composition and literature with emphasis on and frequent practice in writing expository prose.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>Shall include algebra, geometry, and a third year of college preparatory mathematics such as advanced algebra, trigonometry, analytical geometry, calculus, and probability &amp; statistics, (one of these or an advanced mathematics course recommended in the senior year). (Algebra taken in the eighth grade accepted.)</td>
</tr>
<tr>
<td>Science</td>
<td>2</td>
<td>Shall include a year each in two fields of college preparatory science such as biology, chemistry, physics, or earth and physical science (one recommended as a laboratory science).</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3</td>
<td>Shall include one year of U.S. History, one year of global studies (world history, geography, etc.), and one-half year of government.</td>
</tr>
<tr>
<td>Other College Prep</td>
<td>2</td>
<td>May be foreign language (highly recommended); computer science; fine and performing arts; or other college prep electives, which may, at the discretion of the admitting institution, include a comprehensive sequence of units in a vocational-technical area of study.</td>
</tr>
</tbody>
</table>

TOTAL REQUIRED UNITS: 14
### ORGAN ADMISSION

To be admitted, students need to fulfill each of the requirements - or one of the alternatives - as specified and outlined in 1, 2, 3, 4, and 5 below.

1. Must have been graduated from a standard or accredited high school.

2. Must submit scores of the Scholastic Aptitude Test (SAT) or American College Test (ACT).

3. Must have a Minimum High School GPA of 2.75.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>OSU</th>
<th>PSU</th>
<th>OSU</th>
<th>OSU</th>
<th>PSU</th>
<th>OSU</th>
<th>OSU</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAT or ACT</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>SAT or ACT</td>
<td>2.00 (regional non-core counties)</td>
<td>2.50</td>
<td>2.50</td>
<td>2.50</td>
<td>2.25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 3.1 Or Satisfy a Testing Alternative of

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Scores 6 grades to predict a GPA of 2.00 or above</th>
<th>Scores 6 grades to predict a GPA of 2.00 or above</th>
<th>890 SAT or ACT</th>
<th>890 SAT or ACT</th>
<th>890 SAT or ACT</th>
<th>Scores 6 grades to predict a GPA of 2.00 or above</th>
<th>890 SAT or ACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test</td>
<td>2.00 GPA or above in 9 hours (prescribed) taken at PSU</td>
<td>2.00 GPA or above in 9 hours (prescribed) taken at PSU</td>
<td>2.00 GPA or above in 9 hours (prescribed) taken at PSU</td>
<td>2.00 GPA or above in 9 hours (prescribed) taken at PSU</td>
<td>2.00 GPA or above in 9 hours (prescribed) taken at PSU</td>
<td>2.00 GPA or above in 9 hours (prescribed) taken at PSU</td>
<td>2.00 GPA or above in 9 hours (prescribed) taken at PSU</td>
</tr>
</tbody>
</table>

### 4. Must meet Course Requirements of 14 units (see description in reverse)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Scores 6 grades to predict a GPA of 2.00 or above</th>
<th>Scores 6 grades to predict a GPA of 2.00 or above</th>
<th>890 SAT or ACT</th>
<th>890 SAT or ACT</th>
<th>890 SAT or ACT</th>
<th>Scores 6 grades to predict a GPA of 2.00 or above</th>
<th>890 SAT or ACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

### 5. Must score a minimum of

<table>
<thead>
<tr>
<th>Requirement</th>
<th>30 TIME or 12 ACT-English</th>
<th>30 TIME or 12 ACT-English</th>
<th>30 TIME or 12 ACT-English</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score</td>
<td>35</td>
<td>35</td>
<td>35</td>
</tr>
</tbody>
</table>

### 6. Graduates of non-standard or unaccredited high schools and non-high school graduates need only meet the specified GED scores and submit SAT or ACT scores.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>15 hrs</th>
<th>15 hrs</th>
<th>15 hrs</th>
<th>15 hrs</th>
<th>15 hrs</th>
<th>15 hrs</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option</td>
<td>15 hrs</td>
<td>15 hrs</td>
<td>15 hrs</td>
<td>15 hrs</td>
<td>15 hrs</td>
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</tbody>
</table>

### Transfer Admissions

1. 2.0 GPA or better in acceptable collegiate coursework

<table>
<thead>
<tr>
<th>Requirement</th>
<th>12 hrs</th>
<th>12 hrs</th>
<th>12 hrs</th>
<th>12 hrs</th>
<th>12 hrs</th>
<th>12 hrs</th>
<th>12 hrs</th>
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<tbody>
<tr>
<td>Option</td>
<td>12 hrs</td>
<td>12 hrs</td>
<td>12 hrs</td>
<td>12 hrs</td>
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<td>12 hrs</td>
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</tbody>
</table>

*Does not apply to options 3.2 above, GED admits, or transfer students.

**Minimum hours to transfer to OSU baccalaureate programs (nursing, med-tech, dental hygiene) are substantially higher than for other OSSHE institutions (see catalog).**

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May 27, 1983
Board Discussion and Action

The Chancellor said it was his opinion that some tentative conclusions could be reached within a year with respect to course content. However, it is known that students who have taken the specified courses do better in college than those who have not, so it would be desirable to move into the requirements as soon as possible. In discussing the two units of other college preparatory courses, the Chancellor said he was a strong advocate of foreign languages and would hope that it would be possible to make a foreign language a condition of entrance to the State System institutions in the very near future. He said neither foreign language nor visual arts is required as a condition of graduation from the collegiate institutions. For that reason, he questioned whether it should be expected as an entrance requirement. The intent of the staff recommendation was that these were subjects with high academic content and should be recognized in the total of the 14 academic-type units which would be required for entrance, but they should not necessarily at this time be a requirement for all students.

The Chancellor said the major point of disagreement was the 1985 implementation date. The State Superintendent of Public Instruction prefers a four-year phase-in so nothing should be imposed beyond the entering freshman class. Formal and informal surveys and an analysis of the data revealed that the size of the school or district did not make as much difference as did the attitude of the administration and school board as to whether they could comply. A disclaimer or waiver was distributed which would be attached to the application form of every student from every high school or school district that has a problem meeting the requirements. In essence, 1985 is the target date, but it is recognized that there are some complications, funding restrictions, or reasons which prevent some schools, with good reason, from meeting the target date. The purpose is not to create barriers to the entry of students but to prepare them for the experience once they are in the institutions. The Chancellor said there is still reasonable flexibility, even in the senior year for adding courses. It should be well understood that students who graduate from high school, but with waivers attached to their admission applications, will be admitted without prejudice and with an opportunity to make up those courses in the institution itself. Every effort will be made to reach conclusions on the course content as rapidly as possible.

Mrs. Kahananui added that the admissions officers, counselors, and those working with the high schools had requested especially that the Board adopt one date for implementation and deal with the exceptions through the exception process rather than using a phased-in program. A single date would be better understood by students and parents and would be easier to administer. She also explained the other alternative routes for admission for those students who, for some reason, did not complete a course which was available.

Mr. Batiste said the University of Massachusetts had used a phased-in plan and he believed Oregon could do it also.

Mr. Harms said it was somewhat hypocritical to object to the phased-in approach because it was administratively inconvenient while at the same time asking the public schools to make a radical shift in their curriculum in a shorter time than the public schools think is appropriate.

Mr. Wyss moved that the staff recommendation be approved and the motion was seconded.

In response to a question from Mrs. Carpenter concerning efforts to encourage an increase in the supply of mathematics and science teachers, the Chancellor stated that a number of innovative and crash programs for retraining personnel have been proposed and a report could be made at a later time.

Mrs. Kahananui indicated that the deans of education were very aware of the proposed course requirements and have been encouraging students with talents in mathematics and science to select these as their teaching fields.
Mrs. Flanagan commented that the Board should be very sensitive to the problems that some of the school districts will have in the area of administration. If the Board wants to do this in the spirit of cooperation, it should consider the implementation date of 1986.

Mr. Batiste pointed out that the joint committee report went beyond the Chancellor's recommendations. It discussed evaluation and the obligations of both the high schools and the State System. Mr. Batiste said the staff had not responded to the joint committee report and he presumed that the motion would mean that the joint committee report was not adopted.

The Chancellor said the staff did respond to the joint committee report but he did not recommend that it be adopted. He said he did not agree with the recommendations pertaining to performing arts and language requirements. He said he did not agree with or recommend the adoption of the phased-in program over a period of time. He indicated that he had considered and did not recommend the implementation date nor agree that it would take two, three, or four years to implement. The Chancellor said he agreed the report went beyond the entrance requirements. The Chancellor said the report was read most carefully and each of the decision points was considered, but in good conscience, he and the staff were not concurring in the recommendations for the reasons stated.

Mr. Alltucker said there appeared to be two reasons for recommending the proposed standards: (1) to reduce the amount of resources in higher education used for remedial courses; and (2) to improve quality. It is helpful to quality improvement if the entering students are of higher quality. Mr. Alltucker said these factors would lead him to support the earliest possible implementation date. Mr. Alltucker said it had been his experience that whenever he was overwhelmed with reasons why something could not be done, it was often due to inertia. Under these circumstances, leadership sometimes must make the decision. Mr. Alltucker said he was ready to vote in favor of the staff recommendation to implement the requirements in 1985.

Mrs. Carpenter said the chairman of the Medford School Board had expressed support for the proposals and the earlier adoption date. The chairman also said that the Board should make welcoming, not punitive, exceptions to the requirements.

Mr. Perry commented that he had viewed the joint committee report as informational rather than as something the Board would necessarily adopt. The recommendations did not represent anything new because they were similar to those established a number of years ago and which still exist at many excellent institutions. He said he would favor adoption of the staff recommendations with every effort at cooperation and humaneness in administering the exceptions.

Mr. Wyss said that the presidents should have an opportunity to comment before action was taken on the admissions requirements.

President MacVicar said that in the interests of the time constraints, the presidents had prepared a common statement although they had some differences in the matter of detail. In summary, the presidents supported the staff recommendation with the understanding that the exceptions would apply not only to schools but also to individual students, based on appropriate evaluation. If the Board chooses to delay the implementation of the requirements to 1986 or some later date, it would be presumed that the same exceptions would be applied to those later dates. The presidents pledged to cooperate fully with the schools and the staff of the Department of Education in the development of curriculum guidelines for courses in mathematics, science and social science which would be part of the college preparatory program. These curriculum guides would be widely disseminated for guidance and use in the schools. Every effort will be made to match the production of certified teachers of mathematics and science, where there is an alleged shortage, with the expanded demand which may be created by
the imposition of these requirements. However, it is believed that the demand may be less than anticipated because there are certified teachers who are currently teaching subjects other than mathematics or science. With the pressure that exists, perhaps some of the contractual limitations which now exist may be modified to permit their reassignment. President MacVicar said the presidents believe there should be some guidance from either the Teacher Standards and Practices Commission, the State Department of Education, or from a survey conducted by the Board's staff to determine the actual circumstances with respect to supply and demand so that the institutions will know better how to proceed in the preparation of mathematics and science teachers.

There was a brief discussion of the number and success of students admitted under the present alternative admissions requirements. It was stated that the waivers issued for the new course requirements would be in addition to the 5% admissions exception presently allowed.

Mr. Harms said he had stated from the beginning that it was extremely important that the method of implementation of the new course requirements take place on a cooperative basis with the public schools. He said the Board would get assistance from the public schools and compliance with the requirements as quickly under the suggested timeline of the joint committee as it would under the earlier date. He said it should be understood, regardless of the individual votes, that the public schools were urged to consider earlier implementation if at all possible.

Mr. Harms moved to amend the staff recommendation to delete in recommendation 3 the words "effective 1985-86" and substitute "effective in accordance with the schedule set forth on page 2 of the docket." Mr. Harms proposed that the schedule also be amended to insert the fall of 1986 for English; the fall of 1986 for two units of mathematics, and the fall of 1987 for the third year; the fall of 1986 for one term of science, and the fall of 1987 for the second year; the fall of 1986 for the three years of social science; and the fall of 1986 for the two units of other college preparatory courses. The motion was seconded by Mr. Batiste.

Mr. Wyss said that regardless of one's opinion on the 1985 or the 1986 implementation date, the staff and institutional people recommended that the Board choose one or the other.

Mrs. Carpenter said there had been ample discussion of the proposals throughout the state. She said the Board should indicate utmost support and great faith in the efforts of the school districts to achieve this particular goal.

The Chancellor said he would prefer an amendment that would reflect a clear choice between 1985 and 1986.

Mr. Petersen said he was opposed to the amendment. Delaying implementation was, in his opinion, a mistake. He indicated he was satisfied the staff recommendation included adequate room for exceptions for those school districts that were unable to meet immediately the requirements for the class of 1985. In view of the national report on excellence in the schools, public opinion would favor stiffening entrance requirements and the Board would not be subject to criticism for doing so too quickly. In view of the possibilities for exceptions and the alternatives that have existed for many years for students unable to meet the entrance requirements, Mr. Petersen said he believed it would be a mistake to delay implementation.

Mr. Batiste said the amendment addressed more than one issue and dealt with the issue of cooperation.

The amendment was defeated on a four to six vote. The following voted in favor: Directors Batiste, Flanagan, Harms, and Ingalls. Those voting no: Directors Altucker, Carpenter, Gill, Perry, Petersen, and Wyss.
Mr. Batiste made and withdrew a motion to approve the report of the joint committee with the exception of the timeline for the courses and the course requirements.

The Board then approved the staff recommendations as presented, with the following voting in favor: Directors Alltucker, Carpenter, Gill, Perry, Petersen, and Wyss. Those voting no: Directors Batiste, Flanagan, Harms, and Ingalls.

Mr. Harms explained on behalf of the negative votes that they certainly were not voting against the adoption of admission requirements. He then moved that except for the changes that were made by adoption of the staff recommendations on unit requirements, the report of the joint committee be approved.

The Board approved the motion, with the following voting in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill Harms, Perry, Petersen, Wyss, and Ingalls. Those voting no: None.

Mr. Ingalls complimented the Board members for their patience and for their understanding of other peoples' positions. He also complimented the Chancellor for being ahead of the national trend.

The Chancellor then recommended that with the completion of this last section of the Strategic Plan, the Board adopt the Strategic Plan in its entirety.

The Board approved a motion to adopt the Strategic Plan as an instrument for planning purposes and as a flexible planning instrument. A copy is on file in the Board's Office. The following voted in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Petersen, Wyss, and Weatherford. Those voting no: None.

President Blake reported that Oregon Institute of Technology had explored in depth the possible funding method of starting the Portland Center for Oregon Institute of Technology in September. The plan is to request business and industry to allow the center to utilize equipment or to donate equipment or money to satisfy approximately $400,000 of the $1.4 million request. The remainder of the operating expenses will be provided on a self-support basis for one or two years, depending on the length of time required to get on a state-support basis. This proposal has been discussed with the Chancellor's staff, the state advisory council, the two bodies of the task force, and the president's council on the campus.

President Blake said this would change the nature of the student slightly because it will be more likely that students will already be employed with their employers paying their tuition. Tuition will be in the range of $70 to $80. The curriculum is planned and the timetable is being developed. Student and faculty recruitment is in progress.

It is anticipated that Tektronix will provide facilities for equipment-intensive programs in the electronic engineering technology curriculum and the computer systems engineering technology curriculum. Arrangements are being made with Portland State University for housing the other two programs in civil engineering technology and industrial management.

Mrs. Carpenter reported that the Committee on Instruction, Research, and Public Service Programs had met prior to the Board meeting to consider the following programs:

1. Proposal To Offer Ph.D. Program in Nursing, OHSU
2. Request for Authorization To Offer a BA/BS Degree Program in Business, WOSC
3. Baccalaureate Programs in Computer Science in the State System of Higher Education, SOSC, WOSC
Mrs. Carpenter said the first request had been deferred to the June Board meeting with a request for additional information. The remaining requests were forwarded to the present meeting and appear following this report.

During the Board meeting, Mr. Wyss reminded the Board that it was his recollection that neither the Board's Committee nor the Board was willing to accept the development of a Ph.D program in nursing as a legitimate goal when it was presented earlier. However, the Board did not prevent further discussion.

Mr. Petersen said decisions of previous Boards were not binding on subsequent Boards and the issue should be addressed in today's perspective. He said the questions raised were legitimate ones and he looked forward to the discussion at the June meeting with the added information available.

Staff Report to the Board

Western Oregon State College requests authorization to develop baccalaureate degree programs in business, computer science and international studies. The program in business is described on pp. 1-13 in the document entitled "Western Oregon State College Request For Authorization To Offer a BA/BS Degree Program in Business." The program in computer science is presented in a separate document, titled "Baccalaureate Programs in Computer Science in the State System of Higher Education." The program in international studies will be brought to the Board for discussion at a later meeting. Complete copies of both documents are on file in the Board's Office.

Program Objectives

Western Oregon State College finds itself in the difficult position of trying to provide regional college services to the state's third largest population without programs of most interest to today's students, to business and industry, and to state employees working in Salem.

Economic Development. Western Oregon State College and the region see the development of baccalaureate degree programs in business, computer science, and international studies as a way to use Western Oregon State College's strong liberal arts staff (developed in support of its teacher education programs) and excellent campus facilities just 15 miles from Salem in full partnership in the economic development of Salem and the mid-Willamette valley.

Letters urging the expansion of Western's curriculum to include programs seen as critical to effective regional service are found on pp. 15-49 of the full document.

Enrollment Stabilization. Western Oregon State College is eager to expand its services as a regional college. The reason is graphically illustrated in the Figure 1, on p. ii of the full report.

Western Oregon State College is underenrolled. At the close of a decade which has seen a massive shift of student interest--and societal need--from preparation of teachers to areas of business, Western Oregon State College remains primarily a teacher education institution. Ten years ago 84% of its baccalaureate graduates were prepared to teach; today 66% are.

Development of baccalaureate programs in business and computer science is expected to attract some students now leaving the mid-Willamette area to enroll in these programs elsewhere as well as provide opportunities for graduates of the vocational-technical associate degree programs, many of whom live and work in the Salem area, to further their education at the baccalaureate level.

To the extent Western Oregon State College programs attract students from the three universities, none of whom are able to accommodate all students seeking instruction in these fields, implementation of the new programs will simply make these educational services available to more students. Development of the proposed programs will affect enrollment at Southern Oregon State College and Eastern Oregon State College. (Fall term 1982 undergraduate enrollment from Marion county numbered 77 at SOSC; 20 at EOSC.)
In summary, Western Oregon State College's proposals to develop programs in business and other areas of interest to business and industry have several objectives:

- improvement of services as a regional institution in the state's third largest population area;
- more efficient use of physical plant and faculty resources at WOSC by providing major instruction to offset enrollment reductions resulting from reduced need for teachers;
- expanded transfer opportunities for graduates of vocational associate degree programs in business from Chemeketa and other Oregon community colleges;
- additional upper-division courses responsive to the needs of state employees for use in the Chemeketa-Western-Willamette cooperative program offered in Salem.

Duplication

Five State System institutions and some 10 independent colleges and universities in Oregon offer some form of undergraduate program in business. In addition, Oregon Institute of Technology offers an upper-division program in industrial management for associate degree graduates in engineering, industrial, and some business technologies.

Business majors account for 21% of the upper-division enrollment of the multi-purpose institutions of the State System of Higher Education, as shown below:

**TABLE I**

UPPER-DIVISION HEADCOUNT ENROLLMENT IN BUSINESS AS A PERCENT OF TOTAL UPPER-DIVISION ENROLLMENT, SIX INSTITUTIONS, FALL 1982

<table>
<thead>
<tr>
<th>Institution</th>
<th>Upper-Division Enrollment</th>
<th>% in Business</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Business</td>
<td>Total</td>
</tr>
<tr>
<td>------------------------------</td>
<td>----------</td>
<td>-------</td>
</tr>
<tr>
<td>University of Oregon</td>
<td>1,285</td>
<td>5,810</td>
</tr>
<tr>
<td>Oregon State University</td>
<td>1,193</td>
<td>7,128</td>
</tr>
<tr>
<td>Portland State University</td>
<td>1,385</td>
<td>4,897</td>
</tr>
<tr>
<td>Southern Oregon State College</td>
<td>401</td>
<td>1,420</td>
</tr>
<tr>
<td>Eastern Oregon State College</td>
<td>57</td>
<td>605</td>
</tr>
<tr>
<td>Western Oregon State College</td>
<td>0</td>
<td>1,023</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4,321</strong></td>
<td><strong>20,883</strong></td>
</tr>
</tbody>
</table>

The three university programs are accredited by the American Assembly of Collegiate Schools of Business. Southern Oregon State College has not yet achieved full accreditation. The Eastern Oregon State College program offers a combined major in business and economics and does not qualify for accreditation at this time.

All three universities have restricted admission to the upper-division program through admission and retention requirements and, for some programs, numerical limitations. Despite this, the programs are not able to accommodate all qualified applicants. Because of the heavy enrollment pressure, non-major and part-time students have difficulty enrolling in business courses in which they have special interest or need.
Cost of Undergraduate Instruction in Business

Analysis of cost figures for the five programs shows no economies of scale, in fact, the smaller programs at Southern and Eastern are slightly less costly per FTE student than the university programs. Estimated salary costs per undergraduate FTE major for 1981-82 range from $760 at Eastern Oregon State College (with 41.80 FTE majors) and $875 at Southern Oregon State College (458.40 FTE majors) to $1,076 at Oregon State University (1,109.60 FTE majors).

Board Policies in Respect to Professional Education

As background for the Board's consideration of new degree and certificate programs March 25, 1983, the Board's staff distributed a compilation of the curricular policies and procedures of the Board (Requests of the Institutions for New Degree or Certificate Programs Being Held in the Board's Office, Appendix A).

Policies in respect to professional education included in this document pertinent to consideration of WOSC's request for authorization of a baccalaureate degree in business are summarized as below:

"... in some professional areas, characterized by widespread student interest and moderate costs, it is feasible for the State System to establish new (additional) programs to serve additional students (some of whom would find it difficult financially to enroll in the existing programs) in lieu of continued expansion of existing programs."

"The Board will consider each request on its merits." Among the factors to be considered are:

- relationship to institutional guidelines;
- relationship to other State System programs in same field;
- number of students to be served, growth prospects;
- employment opportunities for graduates;
- capacity of institution to offer a high quality program;
- cost implications;
- relationship to future aspirations of the institution;

"The Board will seek to inform itself concerning..."

- the likely impact of the proposed program upon similar programs in the state;
- could the program be offered more efficiently or to benefit more students at some other institution;
- alternative means for meeting the needs identified.

"[The Board will] approve a new professional program only if the Board feels assured of the availability, at the time or in the immediate future, of sufficient funds to develop the program to a respectable standing; to enable it to become accredited, and, once accredited, to maintain its accreditation."
"As a general principle [the Board will] be reluctant to approve any professional program that cannot, within a reasonable period of time, become accredited.

Nature of the Program

The proposed course of study is described in the Western Oregon State College proposal on pp. 3-4 of the full report. It will be noted that the program is designed as an integrated four-year curriculum, with admission to the upper-division major at the junior level. The program as presently outlined would serve students who began their college work at Western Oregon State College or some other four-year institution and students transferring to WOSC from a lower-division collegiate transfer program offered in a two-year college.

In conversations with the Board's Office of Academic Affairs, Western Oregon State College has emphasized that another important clientele they would seek to serve are graduates of community college vocation-technical associate degree programs in business. Graduates of these programs have a very heavy concentration of course work in business in their associate degree programs and are not well-served by the equally heavy upper-division major in business typical of four-year curricula. Graduates of the associate degree programs in Oregon and elsewhere complain that many courses in the upper-division major overlap courses they have already completed, yet they are dissatisfied with general studies degree programs which better suit their educational needs.

Western Oregon State College has stated that it intends to develop an upper-division business major for these students which will build upon their associate degrees. The Board should recognize, however, as does Western Oregon State College, that development of such a program, which must necessarily be more of an inverted curriculum than an upper-division major, will make difficult program accreditation.

Resources to Offer Program

The Board does not expect that institutions seeking authorization to inaugurate new professional programs will have all the professors, course work, library resources, and supporting services in place before the program is approved.

In fact, however, Western Oregon State College already offers courses in business in support of a 27-credit-hour minor in business authorized some years ago. The minor serves campus students enrolled in major programs of study in economics, geography, or general social science and provides upper-division courses for part-time students enrolling in interdisciplinary studies under the Chemeketa-Western-Willamette cooperative program in Salem.

Resources presently available are not adequate to offer a credible upper-division major, even on the small scale envisioned by Western Oregon State College, as Western very well knows. Hence the institution proposes to employ "at the earliest opportunity" one additional PhD or MBA faculty member with specialization in accounting.

Such reallocation is essential and minimal. The Board has required institutions wishing authorization to offer a baccalaureate degree in a liberal arts field to show that they have three faculty with preparation in the discipline at the PhD level. Although WOSC has seven faculty members with the PhD degree who will be involved in teaching major courses in business, only one of these faculty, Dr. Royce Smith, holds the PhD in business. Other areas of specialization are economics (3 faculty), systems management (1), geography (2), and educational administration (1). Supporting courses in business writing, psychology, sociology, mathematics, statistics, and computer science are well staffed.
The need for at least one and preferably two persons with doctoral level preparation in basic areas of business is thus urgent and critical and may be hard to accomplish not only because of budget restrictions but also because of the severe shortage of faculty in this professional field.

Library resources (described on p. 10 of the full report) are less difficult, but will require reallocation of $5,000 each year from Western's limited resources for the business program. Facilities and equipment (pp. 10-11 of the full report) appear adequate for the proposed instruction.

**Budgetary Impact**

Western Oregon State College states that inauguration of the program as presently planned (see p. 13 of the full report) will require reallocation of $77,600 of college funds over the first four years of the program operation.

This figure is identified as line b. at the bottom of the Summary of Estimated Costs for the Proposed Program, p. 12 of the full report. It is made up of:

- **First Year** - $5,000 library; $500 services & supplies; $800 equipment.

- **Second Year** - $5,000 library; $1,000 services & supplies; $400 equipment; $16,700 cost of replacing .5 FTE adjunct faculty in accounting with 1.00 FTE faculty.

- **Third Year** - $5,000 library; $1,500 services & supplies; $500 equipment; and $17,700 to continue the additional accounting faculty.

- **Fourth Year** - $2,000 library; $1,500 services & supplies; $200 equipment; and $19,900 to continue the accounting faculty.

**Discussion and Recommendation by the Committee**

President Meyers said the change in name from Oregon College of Education to Western Oregon State College implied a new mission, and the Strategic Plan speaks to that mission in the mid-Willamette Valley. Business courses are not new at Western Oregon State College. They have been offered for a number of years as part of an interdisciplinary studies program. He said it was very clear that the business needs in the Willamette Valley should be part of the mission of Western Oregon State College and that the College would not be fulfilling its function if it did not respond to the changing needs of the community and the people it served. There has been widespread community support in the Salem area for the proposed program.

In response to a request from the Chancellor to comment on communication and coordination with Chemeketa Community College and Willamette University, President Meyers indicated that Western Oregon State College had asked not only Chemeketa Community College but also the five other community colleges nearest to Western Oregon State College how Western should best serve their students and meet their needs. The response was that Western Oregon State College must offer a business program and do it immediately. Dr. Meyers commented that one of the true strengths of the proposed programs was the fact that Western Oregon State College had received support at the community college level and also from Willamette University indicating that it was totally consistent with their goals.

Mr. Ingalls quoted from a letter he had received from the Dean of Instruction at Chemeketa stating that more students from Chemeketa transferred to Western Oregon State College than to any other Oregon college or university. The preferred major of all of the Chemeketa students attending a state four-year institution is business, and the Chemeketa business majors would be particularly well served by a degree in business at Western Oregon State College.
Dr. H. J. Bergman, Dean of Liberal Arts and Sciences, reported that over the past several years he had worked personally with the graduate school in management and with the Dean of Academic Studies at Willamette University, where they are beginning this fall a program in business economics, to see if there was any duplication. Dean Bergman said Western Oregon State College had the full support from both the graduate and undergraduate program at Willamette for proceeding with the proposed BA/BS degree program in business.

Mr. Wyss inquired how the proposed curriculum would differ from the current offerings in business.

Dr. George Wyatt, Professor of Economics, said Western Oregon State College presently offers a large number of business courses which are designed as an interdisciplinary studies program. This was done deliberately to meet the needs of students from the community colleges and older students in the business community, particularly those in the Salem area, who wanted to pursue a business-type program. Consequently, over the past five years, Western Oregon State College has continued to upgrade the number and type of courses, and the direction of the business program, as an interdisciplinary studies offering. The proposed program would add an area referred to in the proposal as an upper-division specialization to provide students with an option to give emphasis to the direction of their program. He indicated the total program would be a 72-hour major which would incorporate an 18-hour conceptual base providing the economic and basic accounting. Students would then take a general core of 36 hours directed to the functional areas of business, followed by an upper-division specialization involving a 12-hour component, and 6 hours of electives to complete the 72-hour program. This 72-hour program in business would be combined with a 72-hour program in the liberal arts core.

In response to a question concerning the relative number of hours in the major concentrations for various programs, it was indicated that in some institutions, the program format includes only the courses in the major discipline with additional required courses outside the major. At Western Oregon State College, traditionally the major requirement has included the support and allied course work required of a majors. Consequently, major requirements may appear to be heavier there than at some of the other institutions, but in reality they are not.

Mr. Gill commented that he liked the selection of concentrations in small business administration and labor management relations. He asked why these concentrations would not be emphasized from the beginning rather than later in the development of the program.

Dr. Bergman responded that the institution was not yet ready to specialize in those areas but they were ones in which the institution could be of real help. However, some staff enrichment would be required before the institution would be ready to offer those concentrations.

Mr. Alltucker said he had no quarrel with the need for the program but he was concerned with the course content. He stated that the majority of the jobs in Oregon are provided by small business concerns, many with fewer than 25 employees. There is no place in this state, or any other state, that is training people for that level. He said the critical problem for survival in the small business field is not being addressed in the business curriculum and that is the ability to forecast the future environment in which business operates. He said this involves the political climate as it relates to taxes, restrictions and restraints on the free market, environmental problems, land use planning problems, forecasting financial situations, the availability of funds, and possible changes in interest rates, both the short-term and long-term. Training in the competitive environment, and technological changes and their effect on small business is also needed. He said Western Oregon State College had an opportunity to fill the need for this instruction, but he was not satisfied that the proposed program would accomplish those objectives.
Dr. Wyatt said the program at Western, even as it currently exists, is primarily directed to educate students who relate to the small business environment. This is due to the nature of the students because they plan to be involved in small business enterprises but not in large corporations. Most of the electives will focus on small business and the planned course development will address some of the issues raised by Mr. Alltucker.

Mr. Perry asked whether the proposed program had been discussed with Oregon State University. The Chancellor indicated that there had been limited time to develop this proposal, primarily because President Meyers had arrived on campus only recently. The request was expedited because there was some urgency in the need to develop this and other programs.

Staff Recommendation to the Board

The Chancellor said the staff recommendation was for conditional approval pending development of adequate staff and the consideration of interactions with Oregon State University for maximum utilization of the personnel in these subject areas. He indicated that Salem is a large city heavily impacted by state employees seeking an opportunity on the upper-division level to complete degrees or obtain additional degrees in the field of business. The proximity of Western Oregon State College to Salem offers an ideal position for the development of such programs, one in business and one in computer science to be presented later in the meeting.

Further, Western Oregon State College is best suited to interact directly with Chemeketa and the other community colleges in terms of merging their two programs. However, Oregon State University has some areas of expertise which could be made available through a strong cooperative effort between Western Oregon State College and Oregon State University. This effort would address some of the faculty and staffing problems for Western Oregon State College. The Chancellor said there should be a strong cooperative effort between Western Oregon State College and the other institutions, such as Willamette University with its graduate programs in Salem, Chemeketa and the other community colleges, and with the program at Oregon State University. The programs in business at the three state universities are fully enrolled with limited opportunity for expansion. Business is a field in which the demand is great and the employment opportunities are excellent.

President MacVicar said the program in business at Oregon State University has been, and continues to be, very popular. Although the institution has not established any selective entry standards, it is moving toward higher retention standards for the School of Business than those for the University as a whole. This is an effort to cope with numbers. Dr. MacVicar said Oregon State University would, at the direction of the Chancellor and the Board, be most pleased to be of support and assistance in the implementation of the proposed program at Western Oregon State College, if it were approved.

Committee Recommendation to the Board

The Committee recommended that the Board grant Western Oregon State College conditional approval for the development of a BA/BS degree program in business with the final approval to be made following presentation of a report to the Board on the arrangements for implementation of the program. Four areas were emphasized: (1) The need for business training for governmental employees in the Salem area; (2) the need for business training aimed particularly at the needs of small businesses, including the business area; (3) implementation with the complete cooperation and coordination with programs at Oregon State University, Willamette University, Chemeketa Community Colleges and any other community colleges; and (4) the programs were to have a solid basis in the liberal arts for all students in the program.

Board Discussion and Action

The Board approved the committee recommendation as presented, with the following voting in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Petersen, Wyss, and Ingalls. Those voting no: None.
Baccalaureate Programs in Computer Science in the State System of Higher Education

Staff Report to the Board

Southern Oregon State College and Western Oregon State College request authorization to offer BA/BS degree programs in computer science. The requests are described in detail in the document entitled, "Baccalaureate Programs in Computer Science in the State System of Higher Education," which is on file in the Board's Office.

Eastern Oregon State College has also expressed interest in expanding its computer science instruction to provide two-year and four-year major programs of study and, indeed, in 1982 sought and received authorization of the Board to seek Title III federal grant funds to develop pilot curricula in this area. (The grant was not funded.)

Characteristics of the Discipline

Computer science programs traditionally in Oregon have developed as a component of mathematics. As demands for computer literacy and computer proficiency for the general student body burgeoned, mathematics departments struggled to obtain faculty and equipment to meet the new demand. Students wishing to seek employment in computer science crowded upper-division courses and sought waiver of requirements for the major in mathematics which did not pertain to their study goals. Increasingly, computer science has come to be viewed as a distinctive discipline with its own faculty, programs of study, and degree requirements.

Three of the institutions of the State System--Oregon State University, the University of Oregon, and Portland State University--are authorized to offer baccalaureate degree programs in computer science and two institutions--Oregon State and the University of Oregon--offer master's and doctoral programs.

Because of the excellent employment opportunities in computer science, many more students seek opportunity to major in the field than the departments are able to accommodate and still carry out their responsibilities to serve the basic literacy and proficiency needs of the general student body. The field thus has many characteristics of a professional or occupational field, but in its pervasiveness in basic general education of students it is a liberal art.

If computer science is an occupational field, with only peripheral obligations to the general student body, it is reasonable that the Board should seek to allocate responsibility for undergraduate instruction to a few institutions.

If computer science is a liberal art essential to the general education of a large portion of, if not all, undergraduate students, then the Board can examine the requests for authorization to offer baccalaureate majors under policies pertaining to the liberal arts.

Board Policies in Respect to Undergraduate Programs in the Liberal Arts

Curricular policies in respect to the liberal arts were assembled for the reference of the Board in Appendix A to the March report on new degree and certificate programs being held in the Board's Office.

Those policies pertaining to authorization of departmental major programs in the regional colleges may be summarized as follows:

There should be available at all four-year multi-purpose institutions a basic commonality in the liberal arts.
The Board will authorize departmental major programs at the regional schools and Western Oregon State College in selected subject matter fields in which the institutions can demonstrate (1) a need for the program and (2) resources adequate to offer a program of good quality.

The policy in respect to departmental major programs at the regional schools had two roots: (1) it recognized that the regional colleges and Western Oregon State College had developed substantial resources in the liberal arts in support of their teacher education programs (teaching majors), and (2) these strengths, when made the basis for departmental major programs, expanded the service of the State System at a very moderate cost to persons residing in the regions served by these schools.

The Board's staff believes all of the multi-purpose institutions will find it increasingly necessary to offer a very substantial body of instruction in computer science to serve general education needs of their students. When this instruction can also serve some students as a major program of study, efficient use of the state's resources in service both to students and to the geographic regions of the state would suggest that this be permitted.

If this is true, decisions authorizing BA/BS degree programs in computer science at Southern and Western Oregon State College, and, in due time at Eastern Oregon State College, will be dependent upon whether the institutions can demonstrate (1) need for the programs and (2) resources adequate to offer programs of good quality.

Need for the Program

Both Southern Oregon State College and Western Oregon State College speak persuasively of the need for the programs, citing student interest and employment opportunities, service in the economic development of their respective regions, provision of a small-college alternative for students who do not wish to attend a large university, restrictions on the numbers of students accepted into established majors, and service to employed persons in their communities who would like to increase their upper-division background in the computer sciences.

Resources to Offer Programs

Resources to offer the programs are reviewed on pp. 5-8 of the Southern Oregon request, pp. 7-11 of the Western Oregon request, in separate sections of the complete report.

The Board's staff believes the critical issues concerning the two requests revolve around adequacy of faculty and equipment. These are questions the Board will wish to review with the institutions.

Committee Discussion

Dr. Meyers said the request for a baccalaureate program in computer science at Western Oregon State College was basically an upgrading of a minor in computer science to a major. This is an important future program for serving the mid-Willamette Valley, and outside funding sources are available.

Dr. Bergman indicated that grants have made it possible to acquire the hardware and to provide substantial faculty retraining. The institution received a grant of a mini-computer for use in research and academic areas. A major emphasis has been in the direction of training teachers who would be able to use the computer in the classroom and, at the high school level, to teach computer science.

Dr. Edward Wright, Associate Professor of Mathematics, said he believed the use of computers in teacher education and small business should concentrate on the use of the personal computer as an extension of the human being and as a tool.
There was some discussion of the propriety of referring to computer science as one of the liberal arts. This issue was not resolved, but it was agreed that some knowledge of computer science was essential and was a basic area of education.

In response to a question concerning coordination of the acquisition of software and hardware, it was indicated that various approaches were now under study. There has been planning for coordination of administrative data processing, but a single approach or network in terms of hardware or software for academic use is less feasible because of the differing nature of the programs.

Also in response to a question concerning the adequacy of staffing, Dr. Wright described the expertise of the faculty who would be involved in the program. One or two courses would be developed each year during the implementation of the program.

**Staff Recommendation to the Committee**

It was recommended that the request from Western Oregon State College for a baccalaureate program in computer science be approved.

**Committee Recommendation to the Board**

The Committee recommended that the Board approve the development of this program.

The Committee then considered the Southern Oregon State College request. Dr. Ernest Ettlich, Dean of Academic Affairs described the development of computer science and the computing center at Southern Oregon State College. He gave a brief review of the faculty and equipment available for the program. He stated that the proposed curriculum would be a traditional current curriculum in computer science and would not be aimed primarily toward application in business education. The proposed program is a broad program. Programs using the application of computers in education, business, and other areas are in place and are expanding. Dr. Ettlich said he did not believe it would be possible to have viable colleges within the next ten or twelve years that did not offer a significant amount of training in computer science, not only in the application but in the theoretical foundation for computer science. He explained that there was no budgetary impact because students who would be in this program were already enrolled in the baccalaureate programs. The proposal would change the title and slightly change the emphasis of the curriculum within the current bachelor's degree in mathematics computer science. The 50-60 students in that program, plus the 30-40 in the general studies computer science program would be the students in the proposed program.

**Staff Recommendation to the Committee**

It was recommended the proposal from Southern Oregon State College to proceed with the implementation of a BA/BS degree program in computer science be approved.

**Committee Recommendation to the Board**

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

**Board Discussion and Action**

There was some continued discussion of the place of computer science and computer literacy in the academic spectrum and whether a formal degree was justified.
The Board approved the requests from Western Oregon State College and Southern Oregon State College, with the understanding that a strong basis in the liberal arts would be part of the program. The following voted in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Petersen, Wyss, and Ingalls. Those voting no: None.

Staff Report to the Board

The current problems with the primary power distribution facilities on the campus of Eastern Oregon State College require correction at the earliest possible opportunity. The present electrical feeders have smaller-sized conductors than the primary service and they lack fusing. Under these conditions, there is no opportunity to isolate individual feeders or sections of the line for maintenance or repair without shutting down most of the campus.

A study was made by Morrison, Funatake, Inouye, Andrews, Inc., consulting engineers, under the provisions of their retainer-type contract, which confirmed that modifications should be made initially to the distribution facilities along "K" Avenue and its primary feeders to the Science Building (now called Badgley Hall), Pierce Library, the Administration Building (now called Inlow Hall), and Hunt Hall. It was acknowledged that whatever funds would be spent for an immediate or short-range solution would need to permit a maximum amount of that investment to be salvaged when later stages of the system improvements could be accomplished.

Specifically, the engineers recommended that a bank of outdoor metal-enclosed switchgear be installed at the south side of the Library, and that a new duct-bank and cable be installed along the west of the Library between the new switchgear and the sidewalk vault serving the Science Building. New cable would be provided and spliced so that each building feeder (Science, Library and Administration) would be switched and fused at the new switchgear. Oil switches and sectionalizer would be removed from the sidewalk vaults. The transformer on the east end of the Library would be subfed from the spare switch cabinet on the west end, and the existing lead line removed. The transformers at Hunt Hall would be refed from a new switch at the Heating Plant switchbank with supplemental switching on padmount at Hunt Hall. Provisions would be made for the future expansion of the new switchgear and the future extension of the "K" Avenue system to permit future loop or back-feed or transfer of load from the tunnel feeder.

For the portion of the work applicable to the educational and general plant, it is estimated that state funds of approximately $90,000 will be required. An additional amount of about $15,000 will be needed from auxiliary enterprise resources to cover the portion applicable to Hunt Hall.

Because of the urgency of this rehabilitation work, it is proposed that the state-fund portion be financed from the remaining balance of $90,867 within the Board's reserve for physical plant rehabilitation and minor capital outlay during the current fiscal year, and that the auxiliary enterprise portion be financed from excess sinking fund reserves from commingled student building fees. (More appropriately, the latter portion should come from resources applicable to the residence halls, but in view of the difficulties which the institution is experiencing in meeting operating costs and debt service requirements for student housing, an alternate source needs to be used.)

Staff Recommendation to the Board

It was recommended that the appropriate Board officials be authorized to allocate $90,867, or as much thereof as may be required, from the Board's reserve for physical plant rehabilitation and minor capital outlay to cover a portion of the cost of proposed campus power distribution system modifications at Eastern Oregon State College, and also authorize the expenditure of an additional $15,000 or so from excess sinking fund reserves from commingled student building fees for the remaining portion of the project applicable to auxiliary enterprises.
Board Discussion and Action

The Board approved the staff recommendation as presented, with the following voting in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Petersen, Wyss, and Ingalls. Those voting no: None.

Staff Report to the Board

As part of the 1983-1985 capital construction program for auxiliary enterprises, the Board is seeking legislative authorization for the expenditure of $115,000 of Article XI-F(1) bond proceeds to cover the estimated requirements for completing the proposed new Stadium at Eastern Oregon State College. The playing field was constructed as part of the Surface Drainage Improvements and Physical Education Fields Relocation project authorized by the 1979 Legislature, but spectator seating has had to be provided through the use of portable bleachers pending the completion of the grandstand on the west side of the field.

Several components of the athletic-recreation complex have been undertaken or are assured as a result of the efforts of the Eastern Oregon State College Foundation in obtaining donations. For example, the poles and cross arms for new field lights have been installed, the fixtures have been purchased and the conduit is in place. A new utility building has been completed and electrical service to it has been provided. A new scoreboard donated by the Coca-Cola Company has been installed, and a former photostand given to the College will be installed by the La Grande Rotary Club for use as the principal ticket booth.

Currently, it is estimated that the remaining expenditure requirements will be $188,000, including $130,000 for the purchase and installation of a prefabricated grandstand with self-weathering steel I-beam understructure. It would provide seating for approximately 2,000 persons. A galvanized steel litter shield would be fastened to the underside of the understructure. The pitch would reflect a 4-inch rise in each foot. Other specifications of the facility would include three 42" wide aisles; double 2" x 12" footboards; single 2" x 10" seatboards (except for the top middle section which would be equipped with theatre-type seats for 100 sponsors and other VIP guests); provision for a 33' x 8' pressbox at the center rear of the grandstand; a roof over the center section, with a metal wind shield for the roofed area, designed in such a way that the roof could be extended later to cover the entire grandstand; and chain link fencing on the rear and sides.

The budget total of $188,000 includes not only the estimated cost of the grandstand but also utility service connections, landscaping, walks, a public address system and the finish materials and fixtures for the proposed restroom and concession stand which local construction suppliers and tradesmen are planning to construct. To finance this budget, exclusive of the gifts-in-kind for both materials and services, institutional officials have indicated that $73,000 will be provided through donations from individuals and from various organizations. The remaining $115,000 needs to be provided from self-liquidating bond proceeds or from balances available for auxiliary enterprises, such as excess sinking fund reserves from commingled student building fees.

When the capital construction program requests for 1983-1985 were approved by the Board in mid-1982, it was expected that the basic stadium facility would be erected later that year by the Eastern Oregon State College Foundation and that the additional resources of $115,000 would be utilized for "a roof, sidewalks, landscaping and other items to finish the project". As noted in the introductory paragraphs above, the program must be modified now to reflect the changed conditions.
RECAPITULATION UPON COMPLETION OF PRELIMINARY PLANS

Project - EOSC Stadium Completion
Architects - None
Board's priority - No. 12 in 1983-1985 (Auxiliary Enterprises)
Legislative authorization - Being requested in 1983

Estimated total project cost $188,000
Estimated cost of grandstand construction $130,000

Tentative schedule:
  Bidding - June 1983
  Completion - September 1983

Tentative financing plan:
  Article XI-F(1) bond proceeds and/or balances for auxiliary enterprises $115,000
  Gifts and grants 73,000
  Total $188,000

Staff Recommendation to the Board

It was recommended that the preliminary plans for the proposed Stadium Completion project at Eastern Oregon State College be approved and that the appropriate Board officials be authorized to amend the 1983-1985 capital construction program requests to reflect a revised expenditure limitation of $188,000 for this work, including $73,000 from gifts and $115,000 from Article XI-F(1) bond proceeds and/or balances available for auxiliary enterprises.

Board Discussion and Action

The Board approved the staff recommendation as presented, with the following voting in favor: Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Petersen, Wyss, and Ingalls. Those voting no: None.

Mr. Perry referred to an article in the Chronicle of Higher Education which pertained to summer sports schools run by coaches. The Chancellor said it was his opinion that coaching clinics or sports camps run in the summer by coaches were common nationally. The concern is that those in the State System be consistent with the Board's rules and policies. This is being monitored.

Mr. Petersen indicated that during the visitation there had been a discussion of the contract food service operation. It was learned that this arrangement had enabled Eastern Oregon State College to manage its debt service better. He asked whether a study had ever been done on the effect contracting of food services would have systemwide in terms of minimizing or reducing room and board fees for students. He proposed that an investigation be made of those possibilities on a systemwide basis.

In addition, a similar study with respect to janitorial services would be desirable to determine whether savings could be made in providing those services.

Mr. Petersen moved that both contract food services and janitorial services be investigated on a systemwide basis to discover whether savings could be made. The study should include the advantages and disadvantages as well as the cost factors.
The Board approved the motion, with the following voting in favor:
Directors Alltucker, Batiste, Carpenter, Flanagan, Gill, Harms, Perry, Petersen, Wyss, and Ingalls. Those voting no: None.

Mr. Petersen reported that the nominating committee had met and recommended that the Board's slate of officers be reelected for 1983-84. These officers are: Robert Ingalls, President; Loren Wyss, Vice President; and Edward Harms and Louis Perry, members of the Executive Committee.

Officers will be elected at the June Board meeting.

Mr. Ingalls expressed concern about the negative reports of the Portland City Club and FORE. He asked whether the Board wished to consider a response to those reports other than that mentioned by the Chancellor with respect to the Portland City Club.

Mr. Wyss indicated that the letter from the Chancellor to the chairman of the Portland City Club had transmitted the position papers and suggested that these would be useful references for the Portland City Club in determining the true state of higher education in Oregon. A copy of the letter was made available to the press.

The Chancellor said one of the main concerns had been a repetition in the report of the same mythology and misinformation on program duplication without being specific. At the same time, there were complaints that programs were not duplicated in the Portland area. He said he would be pleased to share information and discuss issues with the group.

Mr. Alltucker commented that his discussion with the director of FORE gave him the impression that the action intended by that group would not be inconsistent with what the Board would like them to do.

A revised semifinal project budget is shown below in comparison with the budget reported to the Board on July 23, 1982:

<table>
<thead>
<tr>
<th></th>
<th>Revised Budget 3/21/83</th>
<th>Original Budget 7/23/82</th>
<th>Increase or (Decrease)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs - Kent Brandon Construction, Portland</td>
<td>$386,487</td>
<td>$363,000</td>
<td>$ 23,487 (1)</td>
</tr>
<tr>
<td>Professional services fees (including those applicable to furnishings and equipment)</td>
<td>71,464</td>
<td>62,500</td>
<td>8,964</td>
</tr>
<tr>
<td>Furnishings and equipment</td>
<td>124,468</td>
<td>124,468</td>
<td>-</td>
</tr>
<tr>
<td>Works of art</td>
<td>3,630</td>
<td>3,630</td>
<td>-</td>
</tr>
<tr>
<td>Construction supervision, legal and miscellaneous costs, including force account work by Physical Plant Department</td>
<td>33,951</td>
<td>37,362</td>
<td>(3,411)</td>
</tr>
<tr>
<td>Contingencies</td>
<td>-</td>
<td>29,040</td>
<td>(29,040)</td>
</tr>
<tr>
<td>Total</td>
<td>$620,000</td>
<td>$620,000</td>
<td>-</td>
</tr>
</tbody>
</table>

-156-
Report of Inspection and Acceptance of Hospital and Clinic Rehabilitation and Alterations Projects (University South Fourth Floor Surgical Pathology Alterations), OHSU

May 27, 1983

(1) Includes changing drapery material and track, adding doors, installing rubber bumper at counter and building out plaster wall, renovating offices, and other minor modifications within ten approved change orders.

The work within this phase included further modifications to some of the food service areas, such as the Viking Scramble Bar and Sidewalk Cafe; the remodeling of the Box Office/Parking/Information Center near the main building entry from S.W. Broadway to create a larger, more visible area for these functions; the renovation of the ballroom and adjoining Room 338 for the improvement of the acoustics and lighting, and the carpeting of Room 338; the consolidation of the fire alarm system and a direct connection to the Portland Fire Bureau's central alarm system; and the installation of new lanes and the replacement of pinsetting equipment in the basement bowling alley. Additionally, improvements in the building's mechanical and hot water distribution systems were made.

The expenditures for this project were charged against Article XI-F(1) bond proceeds allocated from the total amount of $660,000 authorized for these purposes by Chapter 539, Oregon Laws 1981.

RECAPITULATION UPON INSPECTION AND ACCEPTANCE

Project - PSU Smith Memorial Center Remodel Phase III
Architects - Thompson & O'Doherty, Portland
Board's priority - No. 15 in 1981-1983 (Auxiliary Enterprises)
Legislative authorization - Chapter 539, Oregon Laws 1981

Estimated total project cost $620,000
Estimated direct construction costs $386,487

Financing plan:
Article XI-F(1) bond borrowings $620,000

Board Discussion and Action

The Board accepted the report as presented.

Staff Report to the Board

Upon the recommendation of institutional officials and WEGroup, PC, project architects, Portland, which was received in the Board's offices on April 21, 1983, the work of the prime contractor for the University Hospital South Fourth Floor Surgical Pathology Alterations project on the campus of the Oregon Health Sciences University in Portland, was accepted on behalf of the Board as of February 18, 1983.

A revised semifinal project budget is shown below in comparison with the budget reported to the Board on May 28, 1982:

<table>
<thead>
<tr>
<th></th>
<th>Revised Budget 2/18/83</th>
<th>Original Budget 5/28/82</th>
<th>Increase or (Decrease)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Associated Building Contractors, Inc., Beaverton</td>
<td>$191,998</td>
<td>$176,728</td>
<td>$15,270 (1)</td>
</tr>
<tr>
<td>Professional services fees</td>
<td>19,200</td>
<td>18,000</td>
<td>1,200</td>
</tr>
<tr>
<td>Furnishings and equipment</td>
<td>50,000</td>
<td>50,000</td>
<td>-</td>
</tr>
<tr>
<td>Construction supervision and miscellaneous costs</td>
<td>37,035</td>
<td>35,905</td>
<td>1,130</td>
</tr>
<tr>
<td>Works of art</td>
<td>1,767</td>
<td>1,767</td>
<td>-</td>
</tr>
<tr>
<td>Contingencies</td>
<td>-</td>
<td>17,600</td>
<td>(17,600)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$300,000</strong></td>
<td><strong>$300,000</strong></td>
<td><strong>$ -</strong></td>
</tr>
</tbody>
</table>
(1) Includes saw cutting and patching concrete flooring, substituting stainless steel exhaust duct, revising rooms 7, 8 and 9, and other minor modifications within four approved change orders.

The work of the contract included the relocation of Surgical Pathology from the first floor of the Basic Science Building to the fourth floor of University Hospital South. The space in the hospital was remodeled to provide an accession room, gross room, flammable storage room, an Histology Laboratory area, a Cytology area, and office space for medical staff, residents, and administrative support personnel.

The expenditures for this project were charged against Article XI-F(1) bond proceeds allocated for Hospital and Clinic Rehabilitation and Alterations Projects at the Oregon Health Sciences University from amounts authorized for these purposes by Chapter 539, Oregon Laws 1981.

RECAPITULATION UPON INSPECTION AND ACCEPTANCE

Project - OHSU Hospital and Clinic Rehabilitation and Alterations Projects (University Hospital South Fourth Floor Surgical Pathology Alterations)

Architects - WEGroup, P.C., Portland

Board's priority - Part of No. 5 in 1981-1983 (Auxiliary Enterprises)

Legislative authorization - Chapter 539, Oregon Laws 1981

Estimated total project costs (this portion only) $300,000

Estimated direct construction costs (this portion only) $191,998

Estimated area remodeled - 2,565 square feet

Financing plan: Article XI-F(1) bond borrowings $300,000

Board Discussion and Action

The Board accepted the report as presented.

Staff Report to the Board

Upon the recommendation of institutional officials and Lerch, Bates & Associates, Inc., project consulting engineers, Seattle, Washington, the work of the prime contractor for the modifications of the two elevators within University Inn, a residence hall for single students at the University of Oregon, was accepted on behalf of the Board as of April 15, 1983, subject to the completion of minor unfinished items.

A revised semifinal project budget is shown below in comparison with the budget reported to the Board on June 25, 1982:

<table>
<thead>
<tr>
<th></th>
<th>Revised Budget 4/15/83</th>
<th>Original Budget 6/25/82</th>
<th>Increase or (Decrease)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct construction costs -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Otis Elevator Company, San Francisco</td>
<td>$ 82,356</td>
<td>$ 82,304</td>
<td>$ 52 (1)</td>
</tr>
<tr>
<td>Professional service fees</td>
<td>6,500</td>
<td>6,500</td>
<td>-</td>
</tr>
<tr>
<td>Construction inspection and miscellaneous costs</td>
<td>18,144</td>
<td>9,966</td>
<td>8,178</td>
</tr>
<tr>
<td>Contingency</td>
<td>-</td>
<td>8,230</td>
<td>(8,230)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$107,000</strong></td>
<td><strong>$107,000</strong></td>
<td><strong>$ -</strong></td>
</tr>
</tbody>
</table>
Includes minor modifications within two approved change orders.

The elevator changes were made to improve the vertical transportation system within the building by enabling both cars to stop at all of the seven floors and to accelerate, decelerate, self-level and stop with the smoothness normally characteristic of such equipment through the replacement of the control mechanism with a newly-developed automatic feedback controller. The work also included provision of new operators, locks, safety edges, and electronic protection for doors, new signaling devices, improved call buttons, and a capability for emergency mode operation.

The expenditures for the project were provided from balances available to the institution within its dormitory building repair reserve. No state tax funds were involved. The expenditures were charged against the limitation of $1,415,000 approved by the Board and the 1981 Legislature for Housing Improvements at the University of Oregon.

RECAPITULATION UPON INSPECTION AND ACCEPTANCE

Project - UO Housing Improvements (University Inn Elevator Modifications)


Board's priority - Portion of 14 in 1981-1983 (Auxiliary Enterprises)

Legislative authorization - Chapter 539, Oregon Laws 1981

Estimated total project costs (this portion only) $107,000

Estimated direct construction costs (this portion only) $82,356

Financing plan:

Balances available from the building repair reserve of student residence halls at the University of Oregon $107,000

Board Discussion and Action

The Board accepted the report as presented.

Staff Report to the Board

The costs of energy have increased substantially since 1973 and each institution within the Oregon State System of Higher Education is allocating a greater portion of its available resources to such energy costs, thus masking the considerable energy conservation efforts that have been made over the last several years. The following report has been prepared for the Board by Arthur E. Mancl, Director of Campus and Building Planning, in order to acknowledge and dramatize these efforts by focusing on the considerable costs that have been avoided through reductions achieved since 1973 in the consumption of energy per square foot of the facilities available. Energy cost avoidance is important because the resources that might have been spent for energy are available for other purposes.

Although various factors entering into the computation of the figures shown in the table may have the effect of distorting the record of each institution, the cumulative results are very significant. Among the factors which distort direct comparison between institutions are inflation, the time period in which the greatest percentage of the cost avoidance was made, the energy efficiency of the facilities added to the inventory immediately after 1973, the availability of resources for capital energy conservation improvements, and the particular type of energy used at the institution. The cumulative cost avoidance figures indicated in the table have not been adjusted for inflation and the capital costs noted are reflected primarily in the 1982 cost avoidance data, except at Portland State University and Oregon State University where energy management systems were installed a
few years earlier. Some additional capital costs were incurred but will be reflected in 1983 consumption data, especially at Eastern Oregon State College, the Oregon Health Sciences University, Portland State University and Oregon Institute of Technology.

APPROXIMATE ENERGY COST AVOIDANCE

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Eastern Oregon State College 431,486</td>
<td>$ 40,000</td>
<td>$ 30,000</td>
<td>$ 50,000</td>
</tr>
<tr>
<td>Western Oregon State College 777,853</td>
<td>$ 600,000</td>
<td>$ 225,000</td>
<td>$ 75,000</td>
</tr>
<tr>
<td>Oregon State University 5,364,650</td>
<td>4,325,000</td>
<td>1,180,000</td>
<td>890,000</td>
</tr>
<tr>
<td>Southern Oregon State College 993,425</td>
<td>850,000</td>
<td>200,000</td>
<td>400,000</td>
</tr>
<tr>
<td>University of Oregon 3,300,748</td>
<td>1,000,000</td>
<td>700,000</td>
<td>250,000</td>
</tr>
<tr>
<td>Oregon Health Sciences University 2,140,383</td>
<td>1,800,000</td>
<td>520,000</td>
<td>-</td>
</tr>
<tr>
<td>Portland State University 1,680,616</td>
<td>4,245,000</td>
<td>1,100,000</td>
<td>385,000</td>
</tr>
<tr>
<td>Oregon Institute of Technology 555,704</td>
<td>Energy Consumption Approximately Stable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total cost avoidance for eight institutions $12,860,000 $ 3,955,000 $ 2,050,000

* Except for the energy management systems at OSU and PSU the capital improvements began to have significant impact on cost avoidance data beginning with 1982.

Facts supporting more cost avoidance than a direct comparison of the data in the table indicates may be summarized as follows:

EOSC - Immediately after 1973, two major facilities added to the building inventory used considerably more energy per square foot than other facilities, increasing the average approximately forty percent. Thus the modest cost avoidance indicated in the table represents a much larger effort.

SOSC - A considerable effort in cost avoidance was made prior to 1976 and resources for capital improvements have not been available except for a tunnel and interconnection of the steam plant within the physical education facility on the north campus with the main steam plant on the south campus. The tunnel provided advantages in addition to energy conservation.

UO - The very great fluctuations in the cost of hogged wood waste fuel make direct comparisons difficult at best.

PSU - With fewer square feet than three other institutions, a significant cost avoidance was achieved prior to 1976 as well as subsequent to 1976.

OIT - The geothermal hot water heating system, which was the first large scale installation in the United States, began operation in 1964. By the late 1970's the corrosive effect of the direct flow-through use of geothermal hot water was taking its final toll on various controls and piping, making opportunities for cost avoidance minimal. An increasing amount of hot water was lost from leaks in the direct-buried distribution system and the controls became inoperative, thus requiring excessive amounts of hot water.
to be consumed to achieve results. Major reworking of the system was undertaken beginning with the installation of a new geothermal hot water distribution system within tunnels and concluding with an air-moving equipment control system project that received federal Institutional Buildings Grants Program funding. The results of this extended effort are expected to be evident in 1983 cost avoidance.

Additional projects, such as an incinerator with heat recovery to help heat the campus of the Oregon Health Sciences University, the completion of a variable volume fan system in Science II at Portland State University, the extension of an energy management system for the residence halls and insulation of various facilities at Oregon State University, will be reflected in cost avoidance data beginning in 1983.

Board Discussion and Action

The Board accepted the report as presented.

ADJOURNMENT

The Board meeting was adjourned at 2:18 p.m.

Robert C. Ingalls, President
Wilma L. Foster, Secretary