

The State Board of Regents met on Wednesday, October 15 and Thursday, October 16, 1986, at the University of Northern Iowa. The following were in attendance:

	<u>October 15</u>	<u>October 16</u>
<u>Members of State Board of Regents</u>		
Mr. McDonald, President	All sessions	All sessions
Dr. Harris	All sessions	All sessions
Mrs. Anderson	All sessions	All sessions
Mr. Duchon	All sessions	All sessions
Mrs. Murphy	All sessions	All sessions
Mr. VanGilst	All sessions	All sessions
Mr. Greig	All sessions	All sessions
Mr. Tyler	Excused	Excused
Miss VanEkeren	All sessions	All sessions
<u>Office of the State Board of Regents</u>		
Executive Secretary Richey	All sessions	All sessions
Director Barak	All sessions	All sessions
Director Maxwell	All sessions	All sessions
Director True	All sessions	All sessions
Director Wright	All sessions	All sessions
Assoc. Dir. Runner	All sessions	All sessions
Assoc. Dir. Stanley	All sessions	All sessions
Asst. Dir. Peters	All sessions	All sessions
<u>State University of Iowa</u>		
President Freedman	All sessions	Exc. 10 a.m.
Vice President Ellis	All sessions	Exc. 10 a.m.
Vice President Remington	All sessions	Exc. 10 a.m.
Associate Vice President Small	All sessions	Exc. 10 a.m.
Asst. to President Mears	All sessions	Exc. 10 a.m.
Asst. to Vice President Davis	All sessions	Exc. 10 a.m.
Director Stork	All sessions	Exc. 10 a.m.
Director Bauer	All sessions	Exc. 10 a.m.
<u>Iowa State University</u>		
President Eaton	All sessions	
Executive Vice President McCandless	All sessions	
Vice President Christensen	All sessions	Exc. 10:10 a.m.
Vice President Madden	All sessions	Exc. 10:10 a.m.
Assistant to President Crawford	All sessions	Exc. 10:10 a.m.
Director Lendt	All sessions	Exc. 10:10 a.m.
<u>University of Northern Iowa</u>		
President Curris	All sessions	All sessions
Provost Martin	All sessions	All sessions
Vice President Conner	All sessions	All sessions
Vice President Follon	All sessions	All sessions
Director Chilcott	All sessions	All sessions
Director Stinchfield	All sessions	All sessions
<u>Iowa School for the Deaf</u>		
Superintendent Giangreco	All sessions	Exc. 10:12 a.m.
Business Manager Kuehnhold	All sessions	Exc. 10:12 a.m.
<u>Iowa Braille and Sight Saving School</u>		
Superintendent DeMott	All sessions	Exc. 10:15 a.m.
Business Manager Berry	All sessions	Exc. 10:15 a.m.

#### GENERAL

The following business pertaining to general or miscellaneous business was transacted on Wednesday, October 15 and Thursday, October 16, 1986.

President Curris introduced Connie Hessberg, President of University of Northern Iowa Student Body.

Ms. Hessberg welcomed the board to the campus of the University of Northern Iowa. Ms. Hessberg stated the students were concerned that the discussion of tuition was to take place in November and December rather than in September and October as had been the practice in the past. She indicated they were apprehensive about this change and concerned it would not set a precedent. She suggested a written policy outlining the tuition would first be discussed in September with the final decision in November. Another suggestion was the first proposal in November with the final decision in February. She asked that the board keep the need for an affordable education in mind as it made the tuition decision. She thanked the board for its efforts in getting approval of the classroom building for the University of Northern Iowa.

President McDonald stated the board would consider the suggestions made concerning tuition.

President McDonald stated he was pleased to sign the first Doctor of Education degree awarded at the University of Northern Iowa.

President McDonald introduced Senator Joy Corning.

President McDonald stated that Regent Tyler was excused from meeting.

**IOWA STATE UNIVERSITY ACADEMIC PLANNING SEMINAR.** The board received the final session of the Iowa State University Academic Planning Seminar.

**APPROVAL OF MINUTES.** The minutes of the September 17-18, 1986, meeting were approved by general consent of the board.

**CONSENT DOCKET.** The items on the consent docket appear in the appropriate sections of these minutes.

President McDonald stated the items on consent docket with the exception of the Iowa Braille and Sight Saving School Register of Personnel Changes were approved by general consent of the board.

**COMMITTEE ON EDUCATIONAL COORDINATION. a. Post Audit of the Master of Agriculture Degree.** The Board Office recommended the board receive the post audit report and approve the continuance of the program.

Vice President Remington stated the Committee on Educational Coordination felt this was a unique program which was meeting a clear need and provided an example of continuing statewide service provided by Iowa State University. The committee also recommended acceptance of the report and continuation of the program.

The Master of Agriculture Degree with major in Professional Agriculture was proposed by Iowa State University in 1980. The program was designed to provide opportunities for persons involved in professional agricultural careers to work toward an advanced degree without leaving their places of employment. Students in the program complete coursework offered through at least four departments in the School of Agriculture: Economics, Agricultural Engineering, Agronomy, and Animal Science. The interdisciplinary program requires the completion of short courses or workshops and the inclusion of a creative component.

The post audit report revealed the program met or exceeded all of the board's criteria. The program continued to meet an important need in Iowa, and it has been very successful in attracting more students than were initially projected for the program. The program has been self-supporting and brought in considerable revenues through continuing education to support the program. In fact, the university reported that it brought in additional revenue that could be used for expansion of the program if the college had the opportunity to use that money for this purpose. The university is giving consideration to expanding the program to one additional site in 1987.

## MOTION:

Mrs. Murphy moved that the board receive the post audit report on the Master of Agriculture Degree with major in Professional Agriculture at Iowa State University and approve continuation of the program. Mr. Greig seconded the motion, and it passed unanimously.

b. Post Audit Report on the BBA and the BS Degree in Business Administration at Iowa State University. The Board Office recommended the board receive the post audit reports and approve continuation of the programs.

The Committee on Educational Coordination in its recommendation for approval noted that the board might express concern over duplication with programs at the other universities. The committee believed that Business Administration is, in the 1980's, a core field of high demand and that any comprehensive university like Iowa State University must meet the demand. The BBA and BS degrees at Iowa State University meet a clear need expressed by Iowa citizens, and the committee strongly believed the programs should be continued.

The Bachelor of Business Administration Degree (BBA) with majors in Accounting, Finance, Management, Marketing, and Transportation/Logistics was proposed to provide an indepth education in Business with professional concentration in one of five formal majors. The Bachelor of Science (BS) with a major in Business Administration was basically a change in name from a previous BS with a major in Industrial Administration.

## MOTION:

Mr. Greig moved that the board accept the post audit report of the Bachelor of Business Administration and Bachelor of Science Degrees in Business Administration and approve continuation of the programs. Mr. Duchon seconded the motion, and it passed unanimously.

c. Master of Science Degree Program in Quality Management and Productivity. The Board Office recommended approval of the establishment of a Master of Science Degree Program in Quality Management and Productivity at the University of Iowa.

Vice President Christensen stated the committee was pleased to recommend approval of the degree program. He noted this was an interdisciplinary degree involving the Departments of Statistics and Actuarial Science, Industrial and Management Engineering, and Management Science. He stated the committee looked at the program very closely from the standpoint of duplication and found this to be the first and only truly interdisciplinary degree.

The degree program will, according to the university, be mounted with existing courses and faculty. The new aspect is the interdisciplinary

curricular arrangement with the existing courses. The board had previously been apprised of this program in the University of Iowa's Long-Range Plan presented to the board last spring.

The need for this program has been established in several ways. First, the university made a strong case for the need for greater emphasis on quality. This program addresses the improvement of quality in products and services, an important aspect of improving Iowa's economy and more generally America's economic fight for life in the international marketplace. Secondly, the projections for personnel in this particular area developed by the U.S. Department of Labor indicate a viable marketplace for graduates. Third, the university claims to have students interested in pursuing this particular major; and the faculty are interested and willing to combine their talents in an interdisciplinary program addressing quality management and productivity.

The cost for implementing this program is projected to be minimal. The estimated marginal increases in expenditure that would be necessary as a result of the adoption of this program over the next three years was only \$3,000 for general expenses. These funds would be used for making known the availability of this program. The request for the program indicated the source of funds for this purpose would be the Graduate College. No additional personnel have been requested, and the university indicated that none would be needed if the program remained relatively small as projected.

The proposed program is consistent with the mission of the University of Iowa which includes Business Administration and Engineering.

The quality of the proposed program appears to meet at least the minimum standards expected of graduate programs at Regent institutions. The university has strong programs in the disciplines contributing to the programming in this area.

MOTION:

Miss VanEkeren moved that the board approve the establishment of a Master of Science Degree Program in Quality Management and Productivity at the University of Iowa. Mr. Duchon seconded the motion, and it passed unanimously.

**NEW PROGRAM APPROVALS.** d(1). Iowa State University Ph.D. Program in Public Policy. The Board Office recommended the board not approve the proposed Ph.D. in Public Policy at Iowa State University.

Vice President Martin stated the Committee on Educational Coordination had reviewed the proposed program and recommended approval with some concerns. The committee felt that the proposed program did not appear to duplicate the research oriented Ph.D. in Political Science at the University of Iowa. It was the understanding of the committee that any proposed expansion of the degree beyond agriculture, science and technology would be brought to the Board of Regents for approval.

The Board Office noted the proposed Ph.D. in Public Policy has some unique aspects, primarily its proposed emphasis in Agriculture, Science, and Technology requiring a major substantive focus outside of the Department of Political Science. It is, however, for all practical purposes another Ph.D. in Political Science. The proposed program does not appear to have been even mentioned in previous long-range planning reports from Iowa State University.

Mr. Richey stated he felt the proposed program duplicated the existing Ph.D. in Political Science at the University of Iowa and was in a field where the employment opportunities were quite limited and in an area not central to the mission of Iowa State University.

The University of Iowa already has a well established and respected Political Science Ph.D. Program. The Board Office noted it might be possible that through a cooperative effort the same specialties could be made available to students wishing specialization in those areas. In fact, some Iowa State University students have already utilized this approach at the University of Iowa. In times of limited resources such as these, real interinstitutional cooperative programming should be considered as a first alternative to establishing new programs.

The university estimated there would be no marginal increases in expenditures necessary as a result of the adoption of this program. Apparently resources had previously been allocated for this purpose before the board had an opportunity to approve the program.

In its recommendation to deny the program, the Board Office stated the funds that are currently being spent on this proposed program might be better spent to support programs more central to the mission of Iowa State University. For example, it has been said that Iowa State University is comparatively low in support of research in agriculture, is under budgeted for scientific equipment and is understaffed in engineering. The institution has already allocated funds for a new Ph.D. in Political Science, a degree already offered at the University of Iowa and eighty two other universities throughout the United States.

Vice President Christensen stated he did not want to imply criticism to the writers of the Board Office recommendation but that he disagreed on every issue. He stated, first of all, this was not just another Ph.D. in public policy. He said when it was first discussed, it was going in that direction; and President Parks met with the entire department. President Parks explained they could not bring such a proposal to the board. He said the program as it was currently presented has been thoroughly evaluated with respect to possible duplication, and they felt it did not duplicate the Ph.D. in Political Science at the University of Iowa. He said because there was already a baccalaureate and masters program, the faculty was in place. He said the program would emphasize agriculture, science and technology and was supported by the history department. He indicated this was a unique program and was very important to Iowa State University. He said that the University of Iowa did feel Iowa State should be allowed to have a general degree in public policy. He said the university would come to the board if there was a desire to expand the program beyond what was currently proposed.

Vice President Christensen stated they had not put funds aside for this. He said there was a strong faculty in the department, and this program would help them keep the present faculty and attract new faculty. He said, with regard to jobs, the employment of graduates from institutions offering similar degrees has been close to 100 percent. He said employment possibilities were in areas such as state government agency director, city planner, specialist in rural development, environmental law firms in addition to academe.

President McDonald stated this was a situation where good people disagree. He said there was some question whether it is really central to the mission of Iowa State University. He said that it appeared to him to be duplicative of the University of Iowa program.

Regent Duchen asked the members of Committee on Educational Coordination to expand on its recommendation for approval of the program "with some reservations."

Vice President Martin stated, speaking for one-third of the committee, there was some concern about need notwithstanding Vice President Christensen's argument. He said he did not see a compelling need.

Vice President Remington read from a letter from the Political Science department head at the University of Iowa raising concerns the proposed program may evolve into a research-based degree. He said the department would have no concerns if the distinction could be made between public policy and political science.

Vice President Christensen stated the concerns from the University of Iowa had been shared with the department, and it voted 18 to 2 in favor of supporting the stipulation.

Mr. Richey stated he had never heard of a free Ph.D. program especially with respect to library and faculty. He said there was still the question of allocating funds to programs central to the mission of the university.

Regent VanEkeren asked if, in fact, money had been channelled into this program already, would that money be diverted to other programs?

Mr. Richey stated it would seem with the review process that is going on, reallocation would be possible.

Regent Harris stated that Vice President Christensen had said there had been no funds set aside.

Vice President Madden stated substantially Mr. Richey was correct when he said no program could be done without cost. He stated as far as library resources were concerned, the Iowa State University library has the responsibility to provide research materials for a broad spectrum of study, and the library had indicated that there had been no specific increase in funds to accommodate the principles of this program. They have hired faculty

members to teach in the spectrum of courses they offer in the department but have not specifically hired people to accommodate this program. He indicated no other specific resources had been devoted to this program. Without this program, the possibility of outside funding in the department may be reduced; and the result of this program could actually add dollars to Iowa State University. He stated if the program were to be approved, he would expect that in the budgetary and planning processes, the Ph.D. in Public Policy would have to compete with all the other programs.

Mr. Richey stated the unit cost studies weight graduate enrollments much more heavily in terms of work load and costs. He said nine hours was used to denote full-time study; and, if you analyze the graduate student, the nine hours is broken down even further. This program could displace up to three or four undergraduate students in terms of the departmental ability to carry the load. He said also if a Ph.D. program brings in as much money as was alluded by Vice President Madden, perhaps all of the universities should have more of them.

Vice President Christensen stated there were 20 members of the faculty in the department who were members of the graduate faculty. He said it was designed to have five graduate students per year and would not involve hiring new faculty members.

Regent Anderson asked if the added time the Ph.D. program cost the faculty would be balanced by the graduate students carrying part of the teaching load?

Mr. Richey stated the formula for unit cost presumably took that into consideration.

Regent Greig stated at this time and in this kind of atmosphere, the board had to be extremely careful with duplication. He said there was a reservation in his mind that this was duplication and was not related to the mission of Iowa State University. He stated he would have to deny approval of the program.

MOTION:

Mr. Greig moved that the board deny approval of the proposed Ph.D. in Public Policy at Iowa State University. Mr. VanGilst seconded the motion, and it passed unanimously.

d(2). Approval of a Minor in Criminal Justice Studies at Iowa State University. The Board Office recommended approval of the request for a minor in Criminal Justice Studies at Iowa State University on the condition that no additional resources be required to implement this program and that no consideration be given to expansion of this program to a major without board planning approval.

Vice President Martin stated the Interinstitutional Committee on Educational Coordination had reviewed the proposal and had recommended approval. He stated the university had indicated there would be no incremental cost for

the program since the courses were currently being offered. He said that some seniors may already have this configuration of courses. The committee felt the minor could be useful and attractive to pre-law students, arts and sciences majors, and business majors.

The Board Office noted that this was a request for approval of a "minor" and not "major" program of interdisciplinary study. The university appears to currently offer most of the courses required for this minor in various disciplines within the college and the university as a whole. It appeared this program would meet at the board's minimal qualitative standards, and there did not appear to be a problem with duplication. The University of Northern Iowa offers a program in Criminology and would be a more appropriate Regent institution to offer a major program if one was necessary.

President Eaton stated the university had come to the board last month with requests for three new programs, and the board's action was delayed until the university could do some review. He indicated there was still some concern about the management information system program. He stated they had four other programs in the pipeline for approval, and once those come through, the board would see no more until the planning program was completed because he had placed a moratorium on new program development.

Regent Anderson asked if the university should not consider any more programs until the long range planning was completed. She asked President Eaton if he was acting in the best interest of the university.

President Eaton stated the four new programs had several areas yet to pass through at the university before they get to the board. He said there was the matter of faculty morale.

MOTION:

Mr. Duchon moved that the board approve the request for a minor in Criminal Justice Studies at Iowa State University on the condition that no additional resources be required to implement this program and that no consideration be given to expansion of this program to a major without board planning approval. Mrs. Murphy seconded the motion, and it passed unanimously.

**ACCREDITATION REPORTS.** a. Iowa State University by the North Central Association. The Board Office recommended acceptance of the report on accreditation from the North Central Association (NCA) on Iowa State University.

Vice President Christensen stated he had been honored to serve as a member of the NCA. He said the Iowa State University report was the most concise report he had seen for a major university. He stated the team came in and looked at the institution very carefully and thoroughly. He indicated the university was satisfied with the report, and it was clearly one of the most positive he had ever seen.

President McDonald stated the university should be congratulated. He said it had been a fine experience for him to meet with the team.

Regent VanGilst stated he had certainly learned a great deal when he had met with the accreditation team. He said he had not realized that such a thorough review was done.

A complete copy of the accreditation materials is on file in the Board Office.

ACTION: President McDonald stated the accreditation report was accepted by general consent of the board.

b. Accreditation of the Agricultural Engineering, Construction Engineering, and Surveying Engineering Programs by the Related Accreditation Commission of the Accreditation Board for Engineering and Technology. The Board Office recommended acceptance of the accreditation report.

Iowa State University has been given preliminary notification that its programs in Agricultural Engineering, Construction Engineering, and Surveying Engineering have been reaccredited by the Related Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). The result of this accreditation action is to bring the Agricultural Engineering, Construction Engineering, and Surveying Engineering programs in line with all of the other accredited programs in the College of Engineering. Below is a summary of the "Final Statement" provided by ABET.

Faculty members appear to be highly qualified and possess adequate academic credentials. However, there is a lack of diversity in the academic backgrounds of the faculty (i.e. too many ISU graduates) especially in Agricultural Engineering and Construction Engineering. The Enrollment Management Plan noted in previous accreditation reports remains operative and appears to function adequately. The availability of computer facilities is impressive. The institution is encouraged to establish an advising system which requires and insures all students meet ABET engineering criteria related to work in the Humanities and Social Sciences. With respect to the university as a whole, the report also notes the problems of providing proper space for laboratories, and maintaining equipment housed at ISU is a persistent problem. There is also a need for addition of laboratory technicians to reduce the amount of time spent by faculty members maintaining laboratory equipment.

Regent Duchen stated with respect to the comment concerning too many of the faculty held Iowa State University degrees that could also happen in a place of business.

Vice President Christensen stated they look at positions when they become vacant and emphasize the need to look outside if the resources allow them to do that.

President McDonald stated this accreditation removed a previous accreditation where the period of accreditation was less than full accreditation on the programs due to program deficiencies.

Regent Greig asked if there were any problems with the engineering building.

Vice President Christensen stated the team had concerns, but they saw the funding limitations in the state and respected the fact the institution and the Board of Regents were working to correct the conditions.

A complete copy of the accreditation materials is on file in the Board Office.

ACTION: President McDonald stated the accreditation report was received by general consent of the board.

c. Accreditation of the Biomedical Engineering Program at the University of Iowa. The Board Office recommended acceptance of the accreditation report.

Vice President Remington stated the university was very pleased with the report and agreed with the comments of the reviewers.

In August, the university was notified that the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET) accredited its Bio-medical Engineering Program. This action is based on the program satisfying minimum educational criteria as prescribed by ABET. Below is a summary of the "Final Statement" of the Engineering Accreditation Commission of ABET.

The College of Engineering has continued to make significant progress since the 1984 visit under effective leadership by college administrators. The college is making good use of available resources and the university administration is commended for continuing to provide appropriate resources for the Engineering Programs despite the unfavorable economic climate in the state.

The use of modern computer methods in the Engineering curriculum provides appropriate experiences for students. The Iowa Computer Aided Engineering Network (ICAEN), which is under development, will further enhance the colleges' programs; the institution is commended for taking this significant initiative. The approach to cost recovery via a user fee from students to supplement the allocation of funds designated for general laboratory equipment and maintenance for ICAEN is innovative, and appropriate, as long as these fees are kept within reason.

The existing space in the college is generally of high quality and well utilized. Renovation is in progress to provide additional space for ICAEN terminals and work stations. However, the institution must insure that the ongoing and planned emphasis on the graduate and research programs does not occur at the expense of the space and resources dedicated to the undergraduate programs. Until funds are authorized by

the state legislature for the planned addition to the Engineering Building, space allocations will need to be carefully monitored by the college administration.

Regent Anderson asked if this was the first accreditation of the program.

President Freedman said it was, and the University of Iowa program was one of 13 accredited programs in the country.

Regent VanGilst stated the students had the highest ACT scores of any program in the university.

Vice President Remington stated one of the graduates of the program is a Rhodes Scholar this year.

A complete copy of the accreditation materials is on file in the Board Office.

ACTION: President McDonald stated the report was received by general consent of the board.

d. Accreditation of the Doctoral Program in Clinical Psychology at the University of Iowa. The Board Office recommended acceptance of the accreditation report.

Vice President Remington stated this was a favorable report. This was a program of long standing at the university going back to the 1920's. He indicated he was anticipating some changes in the department with a new department chair and that he would judge the department chair would find this report very helpful.

The university was notified in August that the American Psychological Association's Committee on Accreditation awarded full accreditation for a five-year period to the Doctoral Program in Clinical Psychology at the University of Iowa. The committee's decision was based upon its review of the programs self-study reports admitted during academic year 1984-85 and the report of a team of site visitors who visited the university in April 1986.

In the letter from the American Psychological Association informing the university of its action, it is noted that:

The program, being among the first to be accredited by the American Psychological Association, is strong in its adherence to the "Boulder Model" of training in clinical psychology, with an excellent faculty, bright students, and a departmental setting long distinguished for its research in scholarly contributions to the discipline of psychology. With Professor Harvey assuming responsibility for the Department of Psychology, as the site visitors note in their report, that strength seems most certain to be maintained.

In that context, the program is encouraged to make every effort to recruit female and ethnic minority faculty as well as minority students.

Further attention should be given as well to a more effective integration of the students practicum experiences with their coursework and research training, both of which are of excellent quality. Issues of staffing and practicum supervision in the Seashore Psychology Clinic were noted especially by the site visitors in need of additional attention.

The site team unanimously and strongly recommends full accreditation to the Clinical Training Program at the University of Iowa. We see no need for a site visit until the normal, five-year cycle is completed. The program has in our opinion, adequately addressed all of the concerns raised by the Committee on Accreditation at the time of the last site visit.

In future self studies and reports, the replacements of the clinic staff and the status and role of the clinic staff in providing practicum training will need to be addressed. The replacement of the child/clinical position is very important to the program. Continued support of clinical students and possibly a slight increase in the overall total number of clinical students may enhance the program once critical lines are stabilized.

The department needs to continue their excellent good faith efforts to recruit qualified women and minorities for faculty positions and for the graduate training program.

The Board Office noted that the university indicated that five first-year students will begin the program this fall. In addition, two new students will be entering the joint graduate program in clinical psychology and health and behavioral science.

Regent Anderson stated the board had heard a report from Iowa State University on a rather successful result of an extraordinary effort that came out of the Vice President's office in terms of encouragement to the terms concerning affirmative action. She asked what actions were being taken at the University of Iowa with respect to affirmative action in hiring.

Vice President Remington stated they worked very closely with all of the deans and urge them to work closely with the department heads in recruitment efforts. He indicated he believed they were progressing. He stated one of the problems was that, when the university did not do much hiring, there is no way to address such problems. He said they have had very few opportunities to address the problems. He said they had been very fortunate to recruit an outstanding women faculty member in the urban and regional planning program. He said there was one ominous fact that all universities would be facing. On the basis of analysis, a very critical situation will exist in the 1990's with respect to the employment of faculty. Large numbers of faculty members will be reaching retirement age. There will then be opportunities to replace these individuals with improved, enriched and more varied people. Present data on the fields being elected by graduates is not encouraging. There are definite problems in the areas of natural sciences and other quantitative areas. He said the efforts will have to be directed at urging minorities and women to enter Ph.D. programs in those particular

areas. He indicated the university had started the Iowa Fellows Program in an attempt to do that.

President Freedman stated they would be announcing a new program in the next few weeks which would widen the opportunities for women and minorities in administration. He stated the situation presented by Vice President Remington did paint an ominous picture. He said not only were there fewer members of minority groups seeking careers in higher education but also that business was competing with academe for both women and minority group members. He said that the University was going to have to work even harder in order to insure that women and members of minority groups were adequately represented. He said one of the great problems that the universities were facing was the two career family which made recruitment more difficult when the university was in a small community.

A complete copy of the accreditation materials is on file in the Board Office.

ACTION: President McDonald stated the accreditation report was received by general consent of the board.

e. Reaccreditation by the Foundation of Interior Design Research of the Interior Design Program at Iowa State University. The Board Office recommended acceptance of the accreditation report.

Vice President Christensen stated the university was pleased with the accreditation and satisfied with the suggestions made.

In August, the university was notified that its Bachelor of Fine Arts in Interior Design had been reaccredited by the Foundation for Interior Design Education Research (FIDER). The program has been granted reaccreditation for the normal five-year period subject to the review of annual reports. Annual reports are required of all FIDER accredited programs. The expected date for a revisit to the program is Spring 1991.

In "Part III" of the accreditation report are several recommendations for program improvement. The report noted that:

Iowa State University Interior Design Programs' increasing enthusiasm for self-improvement has made it even better able to fulfill its consistent goals and objectives. The devotion of faculty members to their program which is sustained by department, college, and university administration should allow this program to become a leader in the field of interior design education. In the spirit of support rather than criticism, the team wishes to make the following recommendations:

- A. Recommendations within the Scope of Specific FIDER Standards and Guidelines:

1. The team believes that program course evaluation should be an ongoing process. Refinements should be made in courses falling within FIDER's minimum basic requirements in the following areas:
  - a. Drafting for Interior Designers. The FrE 125 drafting course lacks emphasis on graphic skills required of interior designers.
  - b. Textiles for Interior Designers. Required options ART 204 or ART 201 and 205 do not adequately address textile requirements for interior designers.
  - c. Sequential relationships of kitchen and bath planning to housing design. Course ART 462 does not come early enough in the curriculum to be of benefit in studio courses dealing with space planning. In fact, all courses dealing with space planning should be sequentially scheduled to provide foundations for subsequent design studios.
  - d. A materials course for Interior Designers ART 361 Interior Furnishings and Materials needs to be restructured to meet specific requirements of Interior Design.
  - e. ART 165 Fundamentals of Interior Design. Those fundamentals differ for Interior Design pre-majors and non-majors, and the course structure should reflect such differences at least in the studio portions.
2. In considering applicants for the faculty position currently open, a primary requisite should be extensive experience in contract design.

B. Recommendations for desirable improvements to strengthen the program:

3. The unique makeup of Iowa State University College of Design involving art and design, architecture, landscape architecture, and community and regional planning, has great potential for interdisciplinary studies and greater interactive efforts should be made.
4. The team recommends that the composition of the Interior Design Advisory Council include members who represent other mutually interested disciplines and include sufficient members of geographical proximity to respond more rapidly to the program's problems as they occur. Being an Iowa State University graduate should not be a membership requirement.

Regent Murphy asked the precise meaning of recommendation #4 above.

Vice President Christensen indicated he, too, was unclear about that and would check.

A complete copy of the accreditation materials is on file in the Board Office.

**ACTION:** President McDonald stated the accreditation report was received by general consent of the board.

f. Accreditation of the Computer Science Program at Iowa State University.  
The Board Office recommended acceptance of the accreditation report.

Vice President Christensen stated this was a new field for accreditation. He said the university went into it with the understanding the accrediting body was new, and the university program was new. He indicated they were very pleased with favorable report. The areas of advising and curriculum were examined very carefully. He stated they would work with the department in order to implement the recommendations.

In August, the university was notified that its Computer Science Program has been accredited. This accreditation action by the Computing Sciences Accreditation Board, Inc. is based on satisfying minimum educational criteria. This accreditation action represents the initial accreditation of this program.

Below is a summary of the accreditation recommendations contained in the "Final Statement to Iowa State University".

Iowa State should make every effort to address the following continuing concerns, which will be of particular interest to the Computer Sciences Accreditation Board team on the next visit:

--insuring that the revised curriculum is operating satisfactorily, particularly in its coverage of basic and advanced computer science, science, and mathematics.

--insuring that the proposed upgrading of departmental laboratory computer facilities and space is in place and contributing to undergraduate instruction in the program.

--insuring that measures to compensate for large class sizes continue to be effective in preventing deterioration of the program quality.

--insuring that students dissatisfied with advising are heard and their concerns are addressed.

--improving faculty accessibility to students.

--improving travel opportunities for young faculty.

--improving faculty salary level to the level necessary to attract and retain quality faculty members.

Regent Duchen asked what was meant by the statement "improving faculty accessibility to students."

Dean Kelly stated the program was understaffed at the present time; and, as a result of that, the faculty was not as available to the students for advising. He indicated the department did employ a professional advisor.

Vice President Christensen stated the reference should not be taken to mean the faculty did not want to see the students.

Dean Kelly stated the reference also troubled the faculty. He stated, after the accreditation report was received, they lost six faculty members.

Regent Anderson asked what was meant by the statement, "insuring that students dissatisfied with advising are heard and their concerns are addressed."

Dean Kelly stated the issue was raised by only one or two students.

Vice President Christensen stated it was something they would certainly look at.

A complete copy of the accreditation materials is on file in the Board Office.

ACTION: President McDonald stated the accreditation report was received by general consent of the board.

g. Reaccreditation of the Veterinary Diagnostic Laboratory at Iowa State University. The Board Office recommended acceptance of the accreditation report.

Vice President Christensen stated the laboratory was discussed briefly at the seminar. He noted the laboratory served practitioners and farmers in every county of the state and was doing an excellent job. He said the report did note some suggestions for improvement. He stated the staff was very hard working, and there was a need for additional resources.

In July, the university was notified that the Accreditation Committee of the American Association of Veterinary Laboratory Diagnosticians voted to reapprove the Veterinary Diagnostic Laboratory as an accredited full-service laboratory. The evaluation report prepared by the site visit team covered personnel, facilities, reporting, equipment and budget. It also included specific evaluation of the pathology, micro-biology, bacteriology, toxicology, and chemistry laboratories.

In summary, the site visit report noted that:

... it is the opinion of the site visit team that the Laboratory is one that the college, university and State of Iowa can be justifiably proud of. The Laboratory is a large volume operation, yet turn around time appears to be minimal for all procedures handled. The group is to be complimented on the efficient manner in which cases are handled, the attention that is given to detail, and the general cleanliness observed throughout.

The administration is to be complimented on the loyalty and dedication that has been instilled into the staff. The encouragement for board certification and the active participation in affiliated groups which brings national recognition to the individuals and the Laboratory is to be commended.

This laboratory does have some problems but these are relatively minor when viewing the entire scope and can be easily resolved.

The site visit report continued with several suggestions and recommendations. The major points are reemphasized and the recommendations of the committee follow:

1. Bacteriology services need to be strengthened as indicated in the report.
2. The traffic pattern between necropsy and the bacteriology laboratory be studied and alternative means of routing samples to that area be investigated.
3. Consider providing additional help in the histopathology laboratory.
4. Develop competency in chick embryo work to enhance both virology and bacteriology.
5. The administration should plan for the replacement of the aging equipment in the chemistry and toxicology sections in the near future.

It was the opinion of the site visit committee that this laboratory be re-accredited as a Full Service Laboratory for five years.

A complete copy of the accreditation materials is on file in the Board Office.

**ACTION:**

President McDonald stated the accreditation report was received by general consent of the board.

**IOWA COORDINATING COUNCIL FOR POST HIGH SCHOOL EDUCATION.** The Board Office recommended receipt of the report on the October meeting of the council.

Regent Anderson stated the council was supposed to have presentations from Representative Tauke and Senator Harkin, but they were unable to attend since Congress had not yet adjourned. She indicated their aides were present and told of the federal education funding. She stated they were optimistic that the funds would not be cut even more than they currently were.

President Curris stated he wanted to raise a question both with the Board of Regents and at the annual meeting of the College and University Presidents. He stated it seemed to him there was a growing sentiment that all of post secondary education needed to have a more cooperative relationship. He asked if any of the members of council had any suggestions as to how the Regent institution or the board could help to promote cooperation in all of post secondary education.

President McDonald stated it seemed to him that the council did fulfill a role in that direction in that it provided a foundation for community colleges and private colleges and Regent institutions to meet on a common ground and certainly did away with any need or sentiment for a so-called super board in this state. He said it also seemed to him at this particular time there was a great deal of good will and cooperation between the public and private sectors. He indicated the council was a modest endeavor but worked for a lot of good will.

Regent Anderson stated she agreed with President McDonald's remarks. She stated at a couple of AGB meetings she had attended, she was surprised to find that, in general, Iowa had far more cooperation than any other state. She said she felt that, after five years of serving on the council, it was really coming to grips with the problems that face higher education in the state; and, as long as the representatives continue to meet together, they can continue to work out their frustrations. She asked President Curris what he was looking for the group to be doing? She said she was not sure confronting all the issues would be the thing to do. She said one of the issues at the October meeting was the asking of the Iowa College Aid Commission for aid to private colleges. She said she was sure all of the members had totally different feelings about the issue since it was a very large percentage increase.

Regent VanGilst stated people should not become discouraged. He said meeting together as a group and working as a group for total higher education in the state was one pretty good accomplishment. He said he was in the legislature before there was a coordinating council, and there was terrible competition. He said he felt the council somewhat alleviated that. He said working together and talking was one of the best things about the council.

Regent Anderson stated one of her concerns was that the council actually did not talk about the problems.

Mr. Richey said the fact was that over the last 20 years or so everyone had come to recognize there were three segments of post secondary education in the state; each was there to stay, and all were "eating at the same table." He said they had all found ways to co-exist on a year-to-year basis with some understanding of each other's problems. He said the feeling he had with

respect to maintaining good relationships between the segments, other than through the coordinating council, was that they depended on actions that took place almost on a daily basis, almost a "micro" relationship. He gave the example of discussion of new program offerings by the universities in areas served by the private colleges. He said a lot of that kind of consultation and cooperation needs to be done. He said such consideration and sensitivity were what kept everyone going in the same direction and obviated the need for some kind of legislatively mandated coordinating body.

Mr. Richey stated he attended the Iowa College Aid Commission meeting when it adopted the budget request for private colleges. The reason the percentage increase reported had little meaning was that it was a presentation of information. There was no expectation on the part of the commission that the entire amount of money would be financed. He said it indicated what the current cost was, what it would cost to add increments of 2,000 students, and also what it would cost to raise the level of assistance from \$2,300 to \$2,800. He indicated the commission knew full well that perhaps only one of the alternatives would be funded. He said that when the enrollment reports come in during the next month, it would be seen what was happening with Regent freshmen enrollment as well as in the private colleges and universities. He noted if the independent college enrollments drop, there could be serious problems. He added the private colleges and universities also prefer the Regent tuition rates to be higher because they can compete with the Regent institutions on a more even basis. He stated the area schools were a different proposition, and the Regent institutions did not have many direct relationships with them.

Regent Harris asked if there had not been some information stating the private colleges were realizing an increase in their freshmen enrollments.

President Freedman stated he had seen some newspaper reports of individual colleges stating enrollments were up.

Mr. Richey stated that information would be part of Part II of the enrollment report presented to the board in November.

**ACTION:**

President McDonald stated report of the meeting of the Iowa Coordinating Council for Post High School Education was received by general consent of the board.

**IOWA COLLEGE AID COMMISSION.** The report of the meeting of the Iowa College Aid Commission was received as a part of the consent docket.

The major item on the agenda was consideration of budget requests for fiscal year 1988 for the various programs administered by the commission. The request for the Iowa Tuition Grant Program was made in increments of 2,000 additional students. Each increment required an additional \$4,086,000. If all currently estimated eligible students were funded, the additional cost would be \$10.6 million, an increase of approximately 50 percent over the present level of funding. The commission requested additional funding for State of Iowa Scholarships both on the basis of merit and of need. The

Osteopathic Subvention Program is currently funded at \$725,410. The commission requested an additional \$474,590, which would provide for ten more students and restore the tuition remission for Iowa students from \$2,000 to \$2,500.

President McDonald recognized Regent VanEkeren.

MOTION: Regent VanEkeren moved that the board postpone the tuition decision until the January meeting. Regent Murphy seconded the motion.

Regent VanEkeren stated the first discussion of tuition in November and the final decision being made in December was not giving the students a chance to respond to the recommendations made by the Board Office. She said the precedent had been to give the students 30 days to prepare their presentations. She noted the students had constituents to whom they had to answer. She said it had been suggested to move the date of the December meeting as not to interfere with finals which would only give the students two weeks between the November meeting and the December meeting to work on their proposals. She said she was aware of the problems with the legislature that would be caused by moving the tuition discussion to January. A January decision by the board would allow the students time over the Christmas vacation to work on their proposals. She indicated it was only fair and in the board's best interest to give the students the time they need.

Mr. Richey stated the Governor would prepare his budget proposal in December for submission to the legislature. With no decision by the board prior to the convening of the General Assembly, the Governor and legislature may involve themselves directly in the formulation of the tuition policy. He stated those were the disadvantages.

President McDonald stated he felt it was a compromise to move the December meeting ahead so that it would not fall during finals.

Regent Anderson stated that it seemed to her the problem of moving the decision to January would mean the board would not make the decision. The Governor had to have a figure to go in the budget. She said she did not feel it would work in the best interest of the students.

Regent Duchen stated he could see the problem and was troubled by it.

Regent Harris asked why.

Regent Duchen stated he wanted to make the decision along with his colleagues on the board.

Regent Harris stated perhaps the board should give the legislature an opportunity to give more money to the institutions.

President Freedman introduced Mike Reck, President, Student Organizations.

Mr. Reck stated the students had two things that were very important to them--finals and tuition. They were concerned that both were falling at the same time this year. He said he felt strongly that the students should be present and have input in the decision. He thanked Regent VanEkeren for her motion and Regent Murphy for the second so that the issue could be brought to the floor for discussion.

Regent Anderson stated she was afraid changing the date of the tuition decision would alter the whole relationship with the Governor and the legislature and would set a precedent for the future.

Regent VanGilst stated the legislature did not take action on the budget until April or May.

Mr. Richey stated, if the board waited until January, it would give almost complete authority to the Governor to set the tuition; and the tuition policy could affect all the other aspects of the budget including Improving Educational Quality and faculty vitality. He said there was a lot more at stake than just setting tuition. He said that the Governor had always recommended the tuition policy which had been approved by the board.

Regent Duchen stated they did not even know who the Governor would be. He said he had not been convinced the board would be giving up its authority.

Regent Anderson stated the whole budget depends on what figures go in for tuition. She said she did not know how a budget could be submitted without having made a decision on tuition.

President McDonald stated moving the December meeting ahead seemed like a viable alternative.

Regent VanEkeren asked what the earliest the students could see the Board Office tuition proposal.

Mr. Richey said the earliest would be November 15 or perhaps earlier in that same week.

Stacie Rhine, President of the Student Senate the University of Iowa, asked what the procedure was.

Mr. Richey stated the student representative make their cases at the first meeting that tuition was considered with the board making the decision in the following month.

Brian Kennedy, President of the Iowa State University Student Body, stated the compromise proposed by President McDonald was moving in the wrong direction.

President McDonald stated compromise was a poor choice of words. He said it was an attempt to get away from finals week.

Mr. Kennedy stated the students seriously wanted to participate in the proposals. He said if they were to strongly respond at the November meeting, they needed more time. He said they would like to see a permanent policy to see the initial figures in September with the final decision in November. He stated he understood the constraints of the January decision.

Regent Murphy stated, with the January decision, the students might "win the battle and lose the war."

Regent Greig asked how early the proposal could be out in November.

Mr. Richey stated November 12 would be the very earliest date.

Regent Greig stated, if the board could guarantee the students a certain time at the December meeting for the tuition discussion, he thought it would be much better than January.

Mr. Reck stated the problem was that they were getting too close to finals week to do necessary preparation.

Regent Harris stated he did not understand what was wrong with giving the Governor the opportunity to express his generosity as far as the Regent institutions were concerned. He said the board members all knew that the Governor would not do anything without contacting the Board Office.

Mr. Richey stated that was normally the case but that would also mean the Governor would set the tuition aid policy. He said if the board would come in in January and raise tuition less than what the Governor had approved, the budget would be underfunded. On the other hand, if the board's policy called for a greater increase than the Governor's recommendation, there would be additional money which the legislature and the Governor could shift elsewhere. He said the whole thing involved a crucial issue of governance.

Regent Anderson stated in the past, if the board had changed the Board Office recommendation, it had always been downward. She said this system would mean that the recommendation going to the Governor would be whatever the Board Office decided and that figure would be locked into the budget. She said it would be assured once that was done, it would be very unlikely that the board would change it. She said she did not understand why the students wanted it done that way. She did not feel it was in their best interest.

Regent Harris stated he would not be opposed to challenging whoever is Governor on his promises to support higher education. He said a lot of the discussion was academic as far as he was concerned because he was against any tuition increase.

Mr. Richey stated he made the decision to postpone the tuition discussion until November and December in consultation with institutional personnel last summer.

VOTE ON MOTION:

AYE: VanEkeren, VanGilst.  
NAY: Anderson, Duchen, Greig, Harris,  
McDonald, Murphy.  
Motion failed to pass.

Regent Duchen stated the entire board wanted the students' input.

Regent VanEkeren stated, in her dealing with the students, she felt they had not always been realistic; but this year they were willing to work for an equitable solution.

Regent Murphy stated the board should be very careful to give the students specific time for the December discussion.

Regent Greig suggested that the students set the time and day for the discussion.

**ENROLLMENT REPORT, PART I.** The Board Office recommended acceptance of Part I of the Annual Enrollment Report.

Highlights of the report are as follows:

- \* Total headcount enrollments have decreased at the University of Iowa (-0.5 percent) and at Iowa State University (-0.4 percent) and increased at the University of Northern Iowa (0.5 percent).
- \* It appears that total enrollments have passed or are approaching their peak at the universities and that in the next few years, we should expect modest decreases in enrollment at all three universities.
- \* Enrollments of freshman students increased at all three universities (3.2 percent) University of Iowa, (1.2 percent) Iowa State University, and (0.5 percent) at University of Northern Iowa.
- \* Graduate enrollments increased at the University of Iowa (1.3 percent), Iowa State University (3.7 percent) and University of Northern Iowa (1.1 percent).
- \* FTE (Full-time equivalent) enrollment decreased at the University of Iowa (-1.4 percent), Iowa State University (-1.4 percent) and increased at the University of Northern Iowa (1.0 percent).
- \* Enrollment at the Iowa School for the Deaf decreased by 33, while Iowa Braille and Sight Saving School's enrollment decreased by 3.
- \* The actual enrollments at the Regent universities are consistent with the U.S. Dept of Education national projections for colleges and universities in Fall 1986.

The headcount enrollment at the three Regent universities is shown in the following table.

REGENT UNIVERSITIES HEADCOUNT

	1983	1984	# CHANGE 1983-84	% CHANGE 1983-84	1985	# CHANGE 1984-85	% CHANGE 1984-85	1986	# CHANGE 1985-86	% CHANGE 1985-86
SUI	29,599	29,712	113	0.4%	29,651	-61	-0.2%	29,504	-147	-0.5%
ISU	26,020	26,321	301	1.2%	26,529	208	0.8%	26,431	-98	-0.4%
UNI	11,204	11,161	-43	-0.4%	11,514	353	3.2%	11,577	63	0.5%
TOTAL	66,823	67,194	371	0.6%	67,694	500	0.7%	67,512	-182	-0.3%

GENERAL

October 15 and 16, 1986

Nonresident enrollments increased at the University of Iowa and decreased at Iowa State University. The percentage of change in total nonresident enrollments in 1986 over 1985 was 1.8 percent at the University of Iowa, -4.2 percent at Iowa State University, and 1.5 percent at the University of Northern Iowa. It was noted the increase in nonresident enrollment at the University of Iowa was interesting in view of the recent raising of admission standards for nonresidents students.

Interesting patterns also emerged in enrollment by class level in each of the universities. Enrollment by class level is shown in the tables on the following two pages.

ENROLLMENT BY CLASS LEVEL  
UNIVERSITY OF IOWA

UNDERGRADUATES =====	1982	1983	% CHANGE 82-83	1984	% CHANGE 83-84	1985	% CHANGE 84-85	1986	% CHANGE 85-86
FRESHMEN	5,746	5,995	4.3%	5,640	-5.9%	5,411	-4.1%	5,582	3.2%
SOPHOMORES	4,560	4,725	3.6%	4,825	2.1%	4,718	-2.2%	4,299	-8.9%
JUNIORS	4,886	5,322	8.9%	5,498	3.3%	5,610	2.0%	5,665	1.0%
SENIORS	4,083	4,360	6.8%	4,668	7.1%	4,918	5.4%	4,898	-0.4%
SPECIAL	999	975	-2.4%	972	-0.3%	929	-4.4%	895	-3.7%
TOTAL	20,274	21,377	5.4%	21,603	1.1%	21,586	-0.1%	21,339	-1.1%
GRADUATE * =====	6,279	6,645	5.8%	6,541	-1.6%	6,521	-0.3%	6,606	1.3%
FIRST PROFESSIONAL =====	1,587	1,577	-0.6%	1,568	-0.6%	1,544	-1.5%	1,559	1.0%
GRAND TOTAL	28,140	29,599	5.2%	29,712	0.4%	29,651	-0.2%	29,504	-0.5%

\* includes law

ENROLLMENT BY CLASS LEVEL  
IOWA STATE UNIVERSITY

UNDERGRADUATES =====	1982	1983	% CHANGE 82-83	1984	% CHANGE 83-84	1985	% CHANGE 84-85	1986	% CHANGE 85-86
FRESHMEN	6,371	6,389	0.3%	6,541	2.4%	6,411	-2.0%	6,487	1.2%
SOPHOMORES	4,549	4,654	2.3%	4,609	-1.0%	4,551	-1.3%	4,389	-3.6%
JUNIORS	4,525	4,771	5.4%	4,810	0.8%	5,006	4.1%	4,688	-6.4%
SENIORS	5,134	5,599	9.1%	5,932	5.9%	6,034	1.7%	6,215	3.0%
SPECIAL	289	326	12.8%	333	2.1%	328	-1.5%	317	-3.4%
TOTAL	20,868	21,739	4.2%	22,225	2.2%	22,330	0.5%	22,096	-1.0%
GRADUATE =====	3,564	3,811	6.9%	3,626	-4.9%	3,734	3.0%	3,872	3.7%
FIRST PROFESSIONAL =====	474	470	-0.8%	470	0.0%	465	-1.1%	463	-0.4%
GRAND TOTAL	24,906	26,020	4.5%	26,321	1.2%	26,529	0.8%	26,431	-0.4%

ENROLLMENT BY CLASS LEVEL  
UNIVERSITY OF NORTHERN IOWA

	1982	1983	% CHANGE 82-83	1984	% CHANGE 83-84	1985	% CHANGE 84-85	1986	% CHANGE 85-86
UNDERGRADUATES =====									
FRESHMEN	2,994	2,944	-1.7%	2,795	-5.1%	3,050	9.1%	3,065	0.5%
SOPHOMORES	2,057	2,149	4.5%	2,186	1.7%	2,111	-3.4%	2,265	7.3%
JUNIORS	2,244	2,198	-2.0%	2,325	5.8%	2,384	2.5%	2,332	-2.2%
SENIORS	2,290	2,467	7.7%	2,472	0.2%	2,552	3.2%	2,558	0.2%
SPECIAL	367	385	4.9%	346	-10.1%	334	-3.5%	262	-21.6%
TOTAL	9,952	10,143	1.9%	10,124	-0.2%	10,431	3.0%	10,482	0.5%
GRADUATE =====	1,036	1,061	2.4%	1,037	-2.3%	1,083	4.4%	1,095	1.1%
FIRST PROFESSIONAL =====	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRAND TOTAL	10,988	11,204	2.0%	11,161	-0.4%	11,514	3.2%	11,577	0.5%

The University of Iowa FTE enrollments declined by -119 (-0.5 percent). Iowa State University showed a decrease in FTE of -190 (-0.8 percent). This was the second largest decrease in FTE enrollments at Iowa State University since 1981 when the university had a decrease in enrollments of -0.6 percent. FTE enrollment at the University of Northern Iowa increased by 93 (1.0 percent).

A comparison of the institutional enrollment projections and actual enrollments for Fall 1986 (headcount and FTE) is shown in the table below.

ESTIMATED AND ACTUAL FALL 1986 ENROLLMENTS  
(FTE AND HEADCOUNT)

	ESTIMATED FALL 1986	ACTUAL FALL 1986	% DIFFERENCE BETWEEN ACTUAL AND ESTIMATED
***SUI***			
HEADCOUNT	29,072	29,504	-1.5%
FTE	24,276	24,713	-1.8%
***ISU***			
HEADCOUNT	26,564	26,431	0.5%
FTE	24,625	24,482	0.6%
***UNI***			
HEADCOUNT	11,354	11,577	-1.9%
FTE	9,545	9,785	-2.5%
*REGENT WIDE*			
HEADCOUNT	66,990	67,512	-0.8%
FTE	58,446	58,980	-0.9%

Total enrollments by grade level for the Iowa School for the Deaf and the Iowa Braille and Sight Saving School are shown in the table below.

FALL ENROLLMENT (HEADCOUNT)  
IOWA SCHOOL FOR THE DEAF

LEVEL	1982	1983	1984	1985	1986
Preschool	7	10	13	7	8
Kindergarten	10	10	13	7	2
First Year	6	10	11	10	7
Second Year	4	7	0	9	8
Third Year	6	5	7	0	9
Fourth Year	8	9	6	7	0
Fifth Year	5	7	8	6	6
Sixth Year	6	6	8	6	8
Seventh (prev. Jr. High I)	9	6	5	9	6
Eighth (prev. Jr. High II)	15	10	6	4	9
Jr. High III	16	15	12	8	
Freshmen	30	18	17	11	10
Sophomore	27	27	16	15	14
Junior	65	46	32	18	17
Senior	64	71	41	46	26
TOTALS	278	257	195	163	130

Estimated Headcount for 1987: 131

FALL ENROLLMENT (HEADCOUNT)  
IOWA BRAILLE & SIGHT SAVING SCHOOL

LEVEL	1982	1983	1984	1985	1986
Elementary	6	0	2	0	0
Kindergarten	2	1	0	1	0
One	1	3	1	0	3
Two	3	3	1	1	0
Three	1	0.5	3	2	1
Four	2	1.5 *	2	3	2
Five	5	2	2	1	4
Six	1	6	2	5	4
Seven	2	0	4	1	2
Eight	2	1 *	0	5	0
Nine	3	2 *	1	1	4
Ten	2	3	2	1	1
Eleven	4	4	3	3	2
Twelve	3	4	5	6	3
Continuing Ed.	0	0	0	0	1
Developmental I	6 **	4 *	6	6	6
Developmental II	6	6 **	7 *	6	6
Developmental III	4 *	4	5	6 *	4
Developmental IV	8	5 *	7 *	8	8
Developmental V	9 *	8 **	9 *	7 *	9
Developmental VI	0	8	0	0	0
TOTAL	70	66	62	63	60

298

\* Deaf-Blind integrated student(s).  
Each \* represents one Deaf-Blind Student.

Estimated Headcount for 1987: 68  
(1 Deaf-Blind based upon definition used for Title VI-C)

While declining enrollments have been projected for years based on the known declines in elementary and secondary school enrollments, just the opposite has been occurring in recent years until this fall. Those who study enrollments have offered the explanation that Iowa's sluggish economy has egood, retention might be greater than it is now.

Director Barak stated the board would receive a five-year report on retention in the next few months.

President Curris stated that significant trends were occurring. He said it was absolutely correct the number of high school graduates going on to post secondary education was increasing. He said there was every indication that it would increase again next year. He said he did not know the degree if that was related to the difficult economic circumstances or not. He said he did not know if it was nationally prevalent or just occurring in Iowa. He said a second thing was there was some indication students nationwide particularly those that would be graduating from high school will be less likely to go to community colleges than they were two years ago. He said those were two trends that may be impacting the Regent universities.

ACTION: President McDonald stated Part I of the enrollment report was received by general consent of the board.

**BUDGET REQUESTS FOR FISCAL YEAR 1988 - OPERATING BUDGET.** The Board Office made the following recommendations:

1. Approve the following university operating budget request recommendations for Fiscal Year 1988, exclusive of salary adjustments:

<u>University of Iowa</u>	
General University	\$204,956,970
Hospitals and Clinics	158,233,456
Psychiatric Hospital	9,102,451
Hospital School	5,143,269
Oakdale Campus	2,819,560
Hygienic Laboratory	3,299,667
Family Practice	1,487,188
Specialized Child Health Services	
Cancer and Hemophilia	445,456
<u>Iowa State University</u>	
General University	\$171,642,842
Agriculture and Home Economics	
Experiment Station	17,260,919
Cooperative Extension Service	19,284,790
<u>University of Northern Iowa</u>	
General University	\$ 60,273,072

2. Approve the following special purpose budget request recommendations for Fiscal Year 1988.

Water Resources Research Institute	\$135,000
Fire Service Education	150,000
Small Business Development Centers	825,000
Rural Concern Hotline	95,000

3. Approve a tuition replacement budget request recommendation for Fiscal Year 1988 of \$17,412,000.
4. Endorse the study by the Board Office and the Interinstitutional Committee on Educational Coordination of the need for baccalaureate nursing programs in Iowa and the proposed program of the University of Northern Iowa with the report to the board in June 1987.

Mr. Richey stated the salary issues were deferred at the request of the institutions until December. He said the special school budgets were deferred at his request because information submitted was not complete and did not follow the prescribed format and there had not been ample time to come to a conclusion. He said the long-range plans for the special schools would be considered in November.

Mr. Richey stated the overall recommendations total \$664.7 million, a \$35 million increase in expenditures, and a \$33.7 million increase in appropriations. He said the amount of appropriations would be affected when the tuition decision was made. He said the institutions were required by law to identify 25 percent of their base programs in terms of priority. He said he felt the institutions had done that very well and did it with broad budget categories. He said he had reviewed those categories and priorities identified, and they appeared to be in order with past decisions and existing policies of the board.

Mr. Richey presented the following summary of the budget recommendations:

Supplies and Services: The recommended increase in the budget included a 5 percent price inflation for supplies/services as compared to 8 percent requested by the institutions.

Equipment: The recommended increase in the budget for equipment included 5 percent for inflation. In addition, he had recommended an additional \$1 million at the University of Iowa, \$1,000,000 at Iowa State University, and \$500,000 at the University of Northern Iowa for equipment. He said there were also equipment requests in the individual institutional requests for Improving Educational Quality which were recommended by the Board Office.

Library Books: He said the institutions had requested 18 percent increase for library books, and he had recommended 12 percent.

Building Repairs: He had also recommended 5 percent increase for building repairs. In addition, he had recommended an increase of \$3 million over and above price inflation because of the serious need at all three universities.

He recommended an additional \$1.3 million at the University of Iowa and Iowa State University and \$400,000 at the University of Northern Iowa. He noted the institutions' requests were \$3.5 million higher based upon the depreciation formula. He indicated that the institutions requests were not unreasonable, but his recommendations were based on staging the requests over a number of years. He stated he preferred to give a high priority to Improving Educational Quality requests.

Opening New Buildings: Mr. Richey stated his recommendation included \$1.8 million for buildings expected to be opened in Fiscal Years 1987 and 1988. The Board Office recommendation was \$100,000 less than institutional requests.

Improving Educational Quality: Mr. Richey indicated he had placed great emphasis on improving undergraduate instruction and had recommended \$4.8 million. He had also recommended \$2.1 million for agricultural research; medical education, \$3 million; economic development, \$3.5 million of which \$2.5 million will be a nonrecurring item and should be shifted from this category to capital improvements. He also recommended \$1,850,000 for libraries and an additional \$750,000 to avoid further cuts in the Cooperative Extension Service.

Special Purpose Requests: Mr. Richey stated the special purpose programs recommendations were basically at the existing program level and did not allow for increase in the program. He noted some substantial increases had been requested by the institutions.

Tuition Replacement: Mr. Richey stated the tuition replacement appropriation was assumed to be \$17,412,000 at this time. He said that once the refunding was completed, the figure would be refined and presented to the board and the Governor.

The Fiscal Year 1988 institutional budget request and Board Office recommendation is shown in the table on the following page. The table does not indicate the \$2.5 million shifted from the category of Improving Educational Quality to the capital budget.

STATE BOARD OF REGENTS  
FY 1988 INSTITUTIONAL BUDGET REQUEST AND BOARD OFFICE RECOMMENDATION  
REGENT INSTITUTION TOTALS

EXPENDITURE/RESOURCE CATEGORY	FY 1987	Institutional Request - FY 1988					Board Office Recommendation (d)		
	Regent Approved Budget (a)	75% Base Budget (b)	Restoration Requests	Restatement for Utilities Enterprises (c)	Inflation and Annualization Adjustments	Other Adjustments	Total Budget (d)	FY 1988 Budget	Change From FY 1987
	(1)	(2)	(3)	(3a)	(4)	(5)	(6)	(7)	(8)
<b>EXPENDITURES</b>									
Fac. & Inst. Officials' Salaries	\$235,646,267	\$197,768,376	\$37,877,891	\$0	\$19,360	(\$33,627)	\$235,632,000	\$235,665,627	\$19,360
Prof. & Scientific Staff Salaries	133,082,606	114,172,490	18,910,116	(815,039)	34,752	(9,743)	132,292,576	132,302,319	(780,287)
General Service Staff Salaries	130,438,717	112,416,204	18,022,514	(3,105,341)	25,458	(50,820)	127,308,015	127,358,835	(3,079,822)
Vacancy Factor	(7,586,578)	(6,877,691)	(708,887)	42,528	0	0	(7,544,050)	(7,544,050)	42,528
Subtotal - Salaries	\$491,581,012	\$417,479,379	\$74,101,634	(\$3,877,852)	\$79,570	(\$94,190)	\$487,688,541	\$487,782,731	(\$3,798,281)
Fuel (FY 1987)/Utilities (FY 1988)	\$25,761,901	\$24,434,178	\$1,327,723	\$8,260,940	\$267,395	\$394,231	\$34,684,467	\$34,684,467	\$8,922,566
Supplies and Services	93,777,322	84,700,459	9,058,798	(4,333,088)	7,246,558	64,126	96,736,853	94,175,277	397,955
Equipment	6,912,449	6,304,520	607,929	0	590,016	8,362,433	15,864,898	9,755,559	2,843,110
Library Books	7,079,631	5,820,200	1,259,431	0	1,336,994	(540)	8,416,085	7,928,235	848,604
Building Repairs	4,297,525	3,763,439	534,086	(50,000)	602,192	6,290,088	11,139,805	7,565,918	3,268,393
Opening New Buildings	0	0	0	0	0	1,918,828	1,918,828	1,818,828	1,818,828
Improving Educational Quality	0	0	0	0	0	26,781,720	26,781,720	20,977,560	20,977,560
Subtotal - Other Expenses	\$137,828,828	\$125,022,796	\$12,787,967	\$3,877,852	\$10,043,155	\$43,810,886	\$195,542,656	\$176,905,844	\$39,077,016
<b>TOTAL EXPENDITURES</b>	<b>\$629,409,840</b>	<b>\$542,502,175</b>	<b>\$86,889,601</b>	<b>\$0</b>	<b>\$10,122,725</b>	<b>\$43,716,696</b>	<b>\$683,231,197</b>	<b>\$664,688,575</b>	<b>\$35,278,735</b>
<b>RESOURCES</b>									
Student Fees	\$116,718,172	\$116,718,172	\$0	\$0	\$0	\$0	\$116,718,172	\$116,718,172	\$0
Federal Funds	10,207,284	10,207,284	0	0	0	(1,799,753)	8,407,531	9,306,381	(900,903)
Sales and Services	136,023,638	136,023,638	0	0	3,102,250	3,920,500	143,046,388	138,512,296	2,488,658
Other Income	16,941,980	16,923,980	0	0	24,750	0	16,948,730	16,948,730	6,750
Subtotal - Institutional Income	\$279,891,074	\$279,873,074	\$0	\$0	\$3,127,000	\$2,120,747	\$285,120,821	\$281,485,579	1,594,505
Appropriations (e)	\$349,518,766	\$262,629,101	\$86,889,601	\$0	\$6,995,725	\$41,595,949	\$398,110,376	\$383,202,996	\$33,684,230
<b>TOTAL RESOURCES</b>	<b>\$629,409,840</b>	<b>\$542,502,175</b>	<b>\$86,889,601</b>	<b>\$0</b>	<b>\$10,122,725</b>	<b>\$43,716,696</b>	<b>\$683,231,197</b>	<b>\$664,688,575</b>	<b>\$35,278,735</b>

(a) Amended as needed to reflect changes in salary adjustment and comparable worth appropriations.

(b) Defined as 75% of FY 1987 appropriations (including supplemental salary increases) and 100% of institutional income.

(c) Adjustments needed to convert from Fuel category to Utilities category.

(d) Excludes FY 1988 salary adjustments and changes in tuition income.

(e) Includes Federal Block Grant for SCHS-Mobile and Regional Clinics and Muscular Dystrophy

Vice President Ellis stated it was with a considerable degree of gratification the University of Iowa received the Board Office recommendations with regard particularly to the areas of supplies/services, equipment, library books, and building repairs because, while the Board Office had not recommended all that had been requested and urgently needed, it seemed to the university that what was recommended was generally within the range of reasonableness in terms of what might be received and constituted a recognition on the part of the Board Office of the severe situation the university found itself in in these areas. He indicated the problems in these areas was particularly acute because they had been compelled to take the reversions out of those categories because they were the nonpersonnel categories.

President McDonald asked institutional executives to comment on the Improving Educational Quality requests.

President Freedman stated they had splendid cooperation with the Board Office, and they were in full accord with the recommendations. He said the university's requests represented very central corridors of concern with concern to maintaining quality of the instructional program. The University of Iowa's Improving Educational Quality requests are summarized below:

Maintaining the quality of basic health science and medical education:

President Freedman stated the program was aimed at both the graduate and undergraduate levels and also encompassed funding for the College of Medicine. He indicated there had been a five-year program to add \$1 million per year to the College of Medicine, but the appropriations had only been approved for the first two years. He said only 14 percent of the budget of the College of Medicine came from appropriations. The remainder comes from other sources. He indicated the \$3 million request would go only a very short distance toward both strengthening basic science education and overcoming the lack of state support.

Strengthening undergraduate education: President Freedman indicated this was an old-fashioned, back to basics request to respond to strong student demand in the liberal arts and engineering.

Computing support for instruction and research: President Freedman stated computer support was increasing in all areas even in the humanities and social sciences. He said there was increasing demand to have more faculty and student access to computers.

High technology resources for economic development: President Freedman indicated this was a bare bones request for research equipment, and he supported the Board Office recommendation of \$1 million for this project. He said the money would be beginning support for a faculty which had last year brought in \$88 million in outside grants. He added that receiving outside grants was dependent upon having research equipment.

Strengthening library resources and services: President Freedman stated nearly the entire amount of this request would go to library staff. He

said the holdings of the library placed the university 26th in the country, and the staff size was 50th in the country. He said - consequently they were ordering items but did not have the staff to make them available. He indicated they would attempt to bring a balance between the size of the staff and the size of the collection.

Library automation: President Freedman stated this was a process going forward across the entire country. This request would permit automation of the law library and the health sciences library.

Regent Harris asked with regard to lack of library staff if it would be possible to train students to catalog the new acquisitions of the library so that they could be available.

President Freedman stated they have relied too heavily on nonprofessionals in the library.

Vice President Madden stated the Board Office had been very cooperative in working through the budget. He said that Dr. Kuhn who had been coordinating the interinstitutional library automation continued to feel that a higher increase for library books could be justified. Vice President Madden indicated the Iowa State library was in the process of reviewing about 1,000 serials because of budget constraints. He said even with the 12 percent increase, they would still be forced to make reductions. He summarized the university's Improving Educational Quality requests.

University Research Park Development: Vice President Madden indicated that this request would also require ongoing operating funds in addition to the nonrecurring funds for park development.

Maintenance of the College of Veterinary Medicine Program - Lost Contract Funds: Vice President Madden said they had requested \$630,000 of which \$400,000 was recommended. He indicated the \$400,000 did cover the loss of the \$14,300 per student caused by the termination of the contract with Nebraska. The additional \$230,000 reflected losses that occurred this year as well as in prior years and would present some further budgetary reductions in that college. He said if the \$630,000 was not replaced, they would be faced with a \$230,000 reduction.

Microelectronics Materials Research: Vice President Madden stated the university would like to have general fund support for microelectronics.

President Eaton stated the request for the Presidential Fund for Excellence would allow the university to provide counter offers to faculty being recruited by other universities and also to anticipate possible loses and adjust salaries. It would also allow the university to offer sufficient salaries to new faculty. He indicated the support might well be in equipping a laboratory rather than in salary. He said the fund would also be useful in a marketplace where both spouses were academicians. He said there would be certain select opportunities to enhance what the university could pay from conventional salary funds for qualified minorities. He said the university did have some areas of traditional strength where the funding level had sunk

so low that the quality was in jeopardy. He said the request may seem very large; but, when it was viewed in perspective with total headcount, it would amount to \$600 per faculty member if it were all allocated to salaries.

Regent Anderson asked why the request was seen as a one-time thing.

President Eaton said, through enrollment management and reallocation of funds, the university can start helping itself.

Mr. Richey said it would not be recurring as a specific request but would appear elsewhere in budget categories.

President Curris said he would like to praise Mr. Richey for his good judgment as well as his cooperation. He said at the University of Northern Iowa there was a sense of gratitude for the position taken by the Board Office in supporting the bulk of the university's recommendations. He said he knew some degree of criticism would come from such a large recommendation. He said he would like to express a special note of appreciation to the Board Office staff. He said that the request for Instructional Support to Relieve Enrollment Pressures and Equity Funding Adjustment were critical needs for the university. He said with regard to the request for Bachelor of Science in Nursing Degree Program that the Board Office staff had been in touch with the university relative to a study of nursing education needs in Iowa. He said hopefully they would have that study concluded by June and would anticipate submission to the board during this academic year. He said it was important for the board members to know that the adoption of the program would not increase the number of nurses in Iowa. He said the proposal is to maintain the same number which insures that the Allen Hospital program continues. He said he would like to speak to the items not recommended for funding.

Expansion of Small Business Development Center: President Curris said the university proposed a variation of what had been established. He said the Small Business Development Centers were established in Washington to bring the resources of the university business departments to small business people throughout a given state to help not only in making good business decisions but also to expand their opportunities and to provide assistance to them in advising them to do things that were economically advantageous. He stated about 70 percent of all business failures stemmed from bad business decisions. He said four centers were initially set up in Iowa--at the three Regent institutions and Drake University. He said as additional dollars became available both at the federal and state level, the movement had been to establish subcenters. He indicated there were 11 subcenters in Iowa, and many of those do not have the university base that was necessary for effective counseling. He said they were now at the limit of federal dollars, and any increase in the program would have to be made in terms of state dollars. He said the university found itself with a \$155,000 budget and increase in demand throughout the region. He said they had 540 clients last year; and, because of flat funding, they were going to be doing less this year than in the past. He said they were talking about economic development for the state; and, if the state was going to pull itself out of the economic

doldrums, it would have to do it itself. He indicated one way to do this was to strengthen home-grown businesses so that they could expand; and this was one way the board could provide assistance to the state. He encouraged the staff of the board to look at this request not only for the University of Northern Iowa but for the sister institutions and allow a minimal amount of money so that they could serve more clients.

Mr. Richey stated about \$700,000 in lottery funds was allocated to Iowa State University to administer this program, and the Board Office was recommending \$825,000 in Fiscal Year 1988. He suggested that the lottery be looked to for this because that is where the economic development focus is. He said he considered the very serious needs at the University of Northern Iowa to be instructional.

Regent Duchen asked President Curris to provide more explanation about the nursing program.

President Curris stated most of the students currently in the Allen School of Nursing were already enrolled at the University of Northern Iowa for some of the liberal arts classes. He said he did not feel the program would have an impact on enrollment at the university. He said the students are currently counted for three years; and, with the approval of the program, they would be counted for the fourth year. He said for years people who wanted to go into nursing had basically four choices: Licensed Practical Nurse - 1 year; Associate Degree Nurse - 2 years; Diploma Nurse - 3 years; and the Bachelor of Science in Nursing - 4 years. He said what was happening nationally and promoted by the Nurses Association would be to have only two options: a two-year program and a four-year program. He said diploma programs would eventually have to turn out baccalaureate nurses or go under.

Regent Duchen asked with the approval of the nursing program, would the university be getting into something that down the road would lead to something too advanced for the university to handle. He said there were well-established universities in the country that have had nursing programs and were doing away with the programs.

President McDonald stated that was the kind of thing which would be brought out in the study.

The universities' Improving Educational Quality requests and Board Office recommendations are outlined on the table on the following two pages. The table does not indicate the shift of Iowa State University Research Park Development from the category of Improving Educational Quality to nonrecurring capital projects.

\$000s Omitted

Institutional Priority Number	Request	Program	Institutional Request FY 1988	Board Office Recommendation FY 1988
<b>Agricultural and Home Economics Experiment Station</b>				
1	Continued Development of Crops Processing Research Center	Research	\$40	\$40
2	Restoration of Research Capability	Research	1,075	1,000
3	Meat Export Technology and Policy Center	Research	500	500
4	Center for Agricultural and Rural Development	Research	500	0
5	Restoring Profitability to Agriculture	Research	250	0
6	Agricultural Diversification - New Crops	Research	170	170
<b>Subtotal - ISU Experiment Station</b>			<b>\$2,535</b>	<b>\$1,710</b>
<b>Cooperative Extension Service</b>				
1	Revitalizing the Agricultural and Economic Base of Rural Iowa	Public Service	\$925	0
2	Avoidance of Further Staff Reductions	Public Service	740	740
<b>Subtotal - ISU Cooperative Extension Service</b>			<b>\$1,665</b>	<b>\$740</b>
<b>TOTAL - IOWA STATE UNIVERSITY</b>			<b>\$12,898</b>	<b>\$9,850</b>
<b>UNIVERSITY OF NORTHERN IOWA</b>				
1	Instructional Support to Relieve Enrollment Pressures	Instruction	\$1,400	\$1,400
2	Equity Funding Adjustment	Instr./Academic Support/ Inst. Supp./Student Serv.	1,000	1,000
3	Bachelor of Science in Nursing Degree Program	Instruction	150	0
4	Minority Teacher Education Program	Instr./Academic Support/ Scholar. & Fellow.	200	200
5	Expansion of Small Business Development Center	Public Service	100	0
6	Curricular and Instructional Development Program for Small High Schools Project	Academic Support	100	0
7	Library Automation	Academic Support	392	250
<b>TOTAL - UNIVERSITY OF NORTHERN IOWA</b>			<b>\$3,342</b>	<b>\$2,850</b>
<b>GRAND TOTAL - REGENT INSTITUTIONS</b>			<b>\$26,604</b>	<b>\$20,800</b>

IMPROVING EDUCATIONAL QUALITY REQUESTS: FY 1988  
\$000s Omitted

Institutional Priority Number	Request	Program	Institutional Request FY 1988	Board Office Recommendation FY 1988
<b>UNIVERSITY OF IOWA</b>				
General University				
1	Maintaining the Quality of Basic Health Science & Medical Education	Instruction	\$3,000	\$3,000
2	Strengthening Undergraduate Education	Instruction	2,000	2,000
3	Computing Support for Instruction and Research	Academic Support	2,000	1,000
4	High Technology Resources for Economic Development	Instruction/Research	2,000	1,000
5	Strengthening Library Resources & Services	Academic Support	600	600
6	Library Automation	Academic Support	707	500
Subtotal - University of Iowa, General University			\$10,307	\$8,100
University Hygienic Laboratory				
1	Health Effects Monitoring Program	Public Health Services	\$57	0
<b>TOTAL - UNIVERSITY OF IOWA</b>			<b>\$10,364</b>	<b>\$8,100</b>
<b>IOWA STATE UNIVERSITY</b>				
General University				
1	Improving Instructional Programs	Instruction	\$1,413	\$1,400
2	Maintenance of College of Veterinary Medicine Program - Lost Contract Funds	Instruction/Research	630	400
3	Presidential Fund For Excellence - Faculty Retention/Recruitment	Instruction/Research	1,300	1,300
4	University Research Park Development	Public Service	2,500	2,500
5	Health & Safety-Asbestos Removal, Hazardous Waste	Institutional Support	200	200
6	Computation Center Support	Academic Support	1,000	1,000
7	Microelectronics Materials Research	Research	300	0
8	Satellite Downlinking	Public Service	250	0
9	Expanded Student Aid	Student Aid	100	0
10	Agricultural Products Assistance Programs	Public Service	100	100
11	Child Care Support	Institutional Support	100	0
12	Campus-Wide Information System	Institutional Support	100	0
13	Library Automation		705	500
Subtotal - Iowa State University, General University			\$8,698	\$7,400

GENERAL  
October 15 and 16, 1986

**BUDGET REQUESTS FOR FISCAL YEAR 1988 -- CAPITAL BUDGET.** The Board Office recommended the board approve the capital recommendations totaling \$127,505,000 as outlined on the following pages.

Since the September meeting the Board Office, working with the institutions, has carefully reviewed the capital projects requested by the institutions. Last year, the Board of Regents approved a capital program of \$42,360,000. The General Assembly authorized \$29.15 million in Academic Building Revenue Bond financing for construction and equipment purchases.

The Board of Regent institutions presented capital requests for Fiscal Year 1988 totaling \$220,303,000. The institutional requests include the construction of major new research facilities in the areas of molecular biology and laser science.

The Board Office recommended a capital program for 1987-89 of \$127,505,000. Institutional requests of \$92,798,000 for projects were not included in the recommendation. In developing this recommendation, the Board Office attempted to identify and provide for essential institutional needs, particularly projects related to instructional research missions of the university. Other essential institutional needs recommended include utility system improvements and power plant replacements.

Priorities have not been established among the recommended projects at this time. After the board takes action on the capital program, the Board Office will consult with the institutions and return with a recommendation on priorities within the Regents' capital program for approval in November.

The following table summarizes the Board Office recommendations by type of project. Note that a major portion of the recommended capital program involves new structures for Laser Science at the University of Iowa, Molecular Biology Research at Iowa State University, in addition to the Engineering Building at the University of Iowa, and the Home Economics Building--Phase I at Iowa State University. The other major project is the addition to the power plant at the University of Northern Iowa to construct replacement boiler capacity that will be lost with the demolition of Power Plant #1. This \$8.5 million project is an estimate at this point in time. The university has initiated a selection process to obtain professional engineering assistance to evaluate the various alternative technologies to provide the required boiler capacity. The estimated project cost will be refined as the result of the study by the engineer. The number and type of boilers to be installed will determine the initial capital cost of the power plant addition.

Board Office Recommendation

<u>Type of Project</u>	<u>Dollar Amount</u>	<u>Percent of Total</u>	
New Buildings and Additions	\$91,000,000	76%	
Remodeling		12,000,000	9%
Utilities		15,000,000	12%
Equipment		2,000,000	
	2%		
Fire and Environmental Safety	<u>1,450,000</u>	1%	
	\$127,500,000		

The Board Office recommended for funding two large research facilities--a laser/biotechnology research facility at the University of Iowa, and a molecular biology building at Iowa State University. However, because planning for both facilities is still in the conceptual stage, both universities should work closely with the Board Office staff in refining the overall size and cost of these important new structures. Early planning efforts should be to confirm the appropriate size and budget for both projects. It is appropriate to have the cost of construction of these facilities in the board's recommended capital program so that the true magnitude of the recommendation can be recognized. However, there could be some phasing of the financing for these projects that might be considered.

As noted previously, Mr. Richey had recommended shifting of \$2.5 million from the operating budget to the capital budget for the nonrecurring cost of development of Iowa State University Research Park.

UNIVERSITY OF IOWA

Two major structures are recommended for the University of Iowa. One is a laser/biotechnology research facility. The facility will house a major national research and educational center in laser science and engineering. The building will provide office and laboratory space for endowed professorships and faculty members in the Departments of Chemistry, Physics, and Astronomy, and the College of Engineering. The substantial portion of the 82,000 net square feet of space will be devoted to research laboratory and support space.

President Freedman stated the laser science facility would be located at the corner of Iowa Avenue and Dubuque Street adjacent to Van Allen Hall. The building would be two floors underground and two or three floors above ground. He indicated there were three outstanding scientists who are prepared to come to the university if the university was able to make facilities for research available. He noted they were not prepared to come to Iowa on a promise. They would work as consultants to the university after a commitment concerning the construction of the building was made, and actually make the move in two or three years. He added the facility bore every evidence of being self supporting.

The other major structure is an addition to the College of Engineering Building. The high demand program of electrical, computer engineering, biomedical engineering, and chemical engineering do not have an adequate amount of space in the existing College of Engineering Building. The Engineering Building addition will provide properly designed laboratory space that incorporates computer-aided engineering. The addition will provide 65,000 net assignable square feet of new space and remodel portions of the existing building to provide modern undergraduate and instructional laboratories.

President Freedman stated it had been 21 years since the College of Engineering had gotten additional space, and much of the college library was in storage.

The remodeling of the Old Law Center and upgrading the heating, ventilating, and air conditioning system in the Pharmacy Building are recommended for funding. The Old Law Center project will correct fire safety and building code deficiencies as well as remodel space for an international studies center. The improvements in the Pharmacy Building will improve the ventilation and fume hood efficiencies and provide adequate ventilation and properly functioning fume hoods.

President Freedman stated the old law building would be designated as the International Center.

Regent Duchen asked what would be the square foot cost of remodeling the law building.

Associate Director Runner stated the cost would be \$57 per gross square foot.

The final project recommended for the University of Iowa is \$500,000 to continue the ongoing program to correct fire and environmental safety deficiencies. This project will address outstanding problems that have been identified by university officials and the State Fire Marshall's office.

The university identified several critical utility problems that must be addressed. Three of these utility problems are recommended for funding. The first is construction of a new 15 kilovolt electrical substation to serve the eastern part of the campus and provide adequate electrical service. This project is estimated at \$3.5 million. \$2 million of the project cost has been budgeted from the Boiler Replacement Project. Therefore, the remaining \$1.5 million is included in the recommended capital program. The second utility project is expansion of the university's Water Treatment Plant to meet water treatment requirements and improve facility operations. The third critical utility project is replacement of the water line serving the west campus. This project is a continuation of the replacement of the water main that is severely corroded and is near failure.

President Freedman stated the College of Business Administration is currently overrun with demands for space. He said that Phillips Hall was too small for the college and that the growth in the college's faculty, academic programs, computer resources, and outreach activities required additional space if the college was to continue to meet the many demands it faced. He urged the Board to approve plans for a new building.

Vice President Ellis complimented the Board Office on its judgment and stated he hoped the board would concur with the recommendations. He indicated there were other capital projects within the recommendations that were not too glamorous but were urgently needed by the university such as the air conditioning in the pharmacy building and water and utility projects. He said the water plant was a fairly urgent need and that the plant is functioning at about 25 percent above its peak capacity.

#### IOWA STATE UNIVERSITY

The recommendations include two major structures for Iowa State University. The initial phase of the Home Economics Building project is recommended. The overall project cost is \$17,720,000. The initial phase of \$5.1 million is recommended in this biennium. The initial phase will construct an addition to provide new laboratory and classroom spaces for the College of Home Economics. Planning funds for this project were appropriated by the General Assembly in 1984. This phase in the overall Home Economics Building project was defined as a result of that planning.

President Eaton stated the Home Economics project had come before the board on a repeated basis for a number of years. This request would be for Phase 1 of a three-phase project.

Regent Anderson stated the Home Economics Building had always been near the top of the list. She said there had to be a commitment from Iowa State University to get it built. She noted there had not been as much outside pressure this past year as in other years. She indicated the merit of the building should not be based on the number of people who lobby.

President Eaton stated he was fully supportive of the building. He said he had over the past six or eight weeks met with three groups of alumni of the college and had made a commitment to each of those groups.

Regent Anderson stated the building also had to be a priority of the Regents.

Mr. Richey stated the institutional priorities would be presented to the board in November.

The second major structure is the construction of a new modern building to house the university's molecular biology programs. The programs and department will be located in the new building for biotechnology research, biochemistry and biophysics, and genetics. These programs are currently located in various buildings throughout campus in inadequate space. The Molecular Biology Building will enable the university to focus the efforts of some of the faculty in the basic biological sciences to enhance research efforts in molecular biology.

President Eaton stated this request was the result of protracted discussions. He indicated the only space that existed at the moment was on the lowest floor of the Agronomy Building which was wholly inadequate.

The Veterinary Medicine Research Institute--Animal Care Facility contains two components. The first is a production laboratory for the creation of quality antibodies necessary to conduct the animal disease research. The second component is an animal holding facility that will meet new, stringent federal regulation concerning laboratory research animals. The absence of such a facility will hinder the university's research program in this area and limit the availability of necessary research animals. The Meat Irradiation Facility represents the state's contribution toward funding of the addition to the university's Meats Laboratory. The remaining funding, approximately \$3.3 million to construct the national research center in this field will be provided by the United States Department of Energy. The facility is for food irradiation demonstration projects and will be used to assess the potential for commercial use of irradiation in fresh and processed meats. The potential economic impact of this research for the creation of additional jobs and expansion of the meat processing industry in Iowa is significant. Planning funds are recommended to prepare designs for replacement and improvements to the Animal Science Research Facilities at the university's five major research centers. Existing facilities in these locations are in extremely poor condition and severely limit the university's ability to be in the forefront of research in swine nutrition management and environmental research. Funds are for planning to provide the necessary documents to undertake the required remodeling and construction of new facilities at the five centers. Due to the importance of agriculture and the centrality of this research, consideration will be given to funding the construction phase at \$4,576,000 if the opportunity arises.

President Eaton stated the present facility was very old and inadequate and posed a real threat of loss of federal funding.

Two million dollars is recommended for the purchase of the most critical equipment requirements for the Agronomy Building. Vice President Madden stated no equipment funds were provided for the building last year, and the need was critical.

The Food Crops Research Center remodeling is a continuation of a project funded by the legislature in 1984. The \$750,000 project involves renovation of existing facilities to expand the current research efforts to increase the utilization of Iowa-produced grain crops.

The university needs to enhance its reliability of electrical service by making connection with the state's utility grid system. Without this project, the university has no back-up capacity in case of an emergency. This project will install two 69 kilovolt electrical interconnections with the City of Ames to construct the necessary transformers and switchgears and fund the university's contribution to the construction of a new primary feeder line to the Iowa Electric Light and Power Company grid system with the City of Ames.

Funds are recommended to correct identified fire and environmental safety deficiencies at Iowa State University.

President Eaton stated all the construction requests were in areas of existing programmatic strengths.

#### UNIVERSITY OF NORTHERN IOWA

Funding is recommended for remodeling major university structures, Latham Hall and Wright Hall. The remodeling in Latham Hall will provide modern instructional facilities for Home Economics and Earth Science. Both of these academic departments currently occupy buildings that are located across the campus. With the remodeling of Latham Hall, the departments will have their programs in a single location. The Latham remodeling includes updating the heating and ventilating system and providing air conditioning.

The second major remodeling recommended for the University of Northern Iowa is Wright Hall. This 1914 structure no longer adequately supports modern instructional programs. Remodeling would modernize the various building systems including electrical and ventilation. After completion of the remodeling and the relocation of Home Economics to Wright Hall, the building will be able to sufficiently accommodate the popular programs of Mathematics and Computer Science which will remain in the building.

Funding for construction of the Library Addition were recommended for this biennium.

The university needs to replace the boiler capacity currently located at Power Plant #1. This site is adjacent to the site of the new Classroom/Office Building. Therefore, the university wants to move with deliberate speed to install replacement boiler or boilers at the new power plant on the west edge of campus. After completion of the new boilers, the existing Power Plant #1 may then be demolished. The university requested the board's permission to obtain an engineering consultant to conduct a feasibility study. The study will identify the alternative types of boilers that can be installed. The initial cost and the life cycle cost will also be addressed by the consultant as part of this preliminary planning.

The funds to finance the acquisition of the replacement boilers are included in the Board Office recommendation. The \$8.5 million cost is a preliminary estimate. That cost will be adjusted as a result of the engineer's studies and recommendations.

\$450,000 is recommended to correct fire and environmental safety deficiencies on the University of Northern Iowa campus. This request is part of a continuing program by the university to eliminate hazards and unsafe conditions.

#### IOWA SCHOOL FOR THE DEAF

The Iowa School for the Deaf has no capital projects that are being considered for Fiscal Year 1988.

IOWA BRAILLE AND SIGHT SAVING SCHOOL

No projects are recommended for the Iowa Braille and Sight Saving School as part of the Fiscal Year 1988 capital program. The school should examine financing the construction projects requested from institutional building repair funds or other operating money.

The institutional requests and Board Office recommendations are shown on the following pages. The table does not reflect the shifting of \$2.5 million for nonrecurring projects at the Iowa State University research park as recommended by the Board Office.

State Board of Regents  
Capital Institutional Request  
1987-89 Biennium  
(000's omitted)

<u>Institution/Name of Project</u>	<u>---Institutional Request---</u>		<u>Board Office</u>
	<u>FY 1988</u>	<u>FY 1989</u>	<u>Recommendation</u>
<u>University of Iowa</u>			
Laser-Biotechnology Laboratories--Phase I	\$ 25,100	--	\$ 25,100
Engineering Building Addition	20,000	--	19,500
Old Law Center Remodeling	4,325	--	4,325
Pharmacy Building Air Conditioning	400	--	400
Maclean Hall Remodeling, Phase II	--	1,100	--
15 KV Electrical Substation L	1,500	--	1,500
Water Plant Expansion	2,930	--	2,930
Waterline Replacement--to West Campus, Phase II	326	--	326
Waterline Distribution Improvements, Phase I	--	400	--
Steam Line Replacement--Theatre to Hancher	--	1,215	--
15KV Electrical Loop F	--	500	500
15KV Electrical Loop J	--	1,000	--
Fire and Environmental Safety Improvements	500	--	500
Business Administration Building	1,600	\$ 18,400	500
SUBTOTAL	\$ 56,681	\$ 22,615	\$ 55,081
<u>Iowa State University</u>			
Home Economics--Phase I	\$ 5,100	--	\$ 5,100
Molecular Biology Building	37,500	--	37,500
VMRI Animal Holding and Monoclonal Antibody Production Laboratory	1,925	--	1,925
Animal Science--Outlying Research Centers-- Planning	624	4,576	624
Meat Irradiation Facility	1,500	--	1,500
Agronomy Building Equipment	2,000	500	2,000
Gilman Hall--Phase II Equipment	--	540	--
Food Crops Research Center Remodeling	750	--	750
Coover Hall Remodeling (Electrical Engineering)	3,300	--	--
Gilman Hall Remodeling--Phase III	--	9,500	--
Education Building Remodeling	--	6,550	--
Landscape Architecture	--	1,560	--
Increased Electrical Capacity	2,500	7,000	--
Electrical Interconnection with City of Ames	2,000	2,400	2,000
Water Pollution Control	2,030	2,030	--
Water Distribution System	375	400	--
Material Handling Repairs and Improvements	500	1,000	--
Distribution System Repairs and Improvements	550	1,000	--
Fire and Environmental Safety	500	500	500
SUBTOTAL	\$ 61,154	\$ 37,556	\$ 51,899

<u>Institution/Name of Project</u>	<u>---Institutional Request---</u>		<u>Board Office Recommendation</u>
	<u>FY 1988</u>	<u>FY 1989</u>	
<u>University of Northern Iowa</u>			
Library Addition	\$ 5,800	--	\$ 5,800
Power Plant Addition (Boiler Replacement Project)	8,500	--	8,500
Health, Physical Education, Wellness	9,500	--	--
Plant Services Addition	--	875	--
Russell Hall Addition	--	1,500	--
Biology Research Greenhouse	--	900	--
Latham Hall Remodeling	3,360	--	3,360
Wright Hall Remodeling	2,415	--	2,415
Art II Remodeling	945	--	--
Museum Remodeling	168	--	--
Auditorium Building Remodeling	--	3,906	--
Latham Hall Equipment	579	--	--
Wright Hall Equipment	362	--	--
Bartlett Hall Equipment	190	--	--
Museum Equipment	70	--	--
Library Addition Equipment	--	868	--
Art II Equipment	--	189	--
Classroom/Office Building Equipment	--	1,530	--
Fire and Environmental Safety	450	--	450
SUBTOTAL	\$ 32,339	\$ 9,768	\$ 20,525
<u>Iowa School for the Deaf</u>	None		
<u>Iowa Braille and Sight Saving School</u>			
Roof and Window Replacement	\$ 105	--	--
Energy Management and Control	15	--	--
Roof Replacement--Services Building	--	\$ 25	--
Utilities Distribution System	--	45	--
SUBTOTAL	\$ 120	\$ 70	\$ --
TOTAL	\$ 150,294	\$ 70,009	\$ 127,505

MOTION: Mrs. Anderson moved that the board approve the operating and capital budgets for Fiscal Year 1988 as presented. Mr. Duchon seconded the motion, and it passed unanimously.

The following business was transacted on October 16, 1986.

**BUDGET REQUESTS FOR FISCAL YEAR 1988 - SPECIAL SCHOOLS.** Director True explained the budgets and programmatic proposals of the special schools would be thoroughly evaluated in the next few weeks and presented to the board at a future meeting.

ACTION: President McDonald stated the report was received by general consent of the board.

**BOARD OFFICE BUDGET REQUESTS - FISCAL YEAR 1988.** The Board Office recommended approval of the revised Board Office budget of \$789,766 for Fiscal Year 1987 and request \$810,415 for operation of the Board Office in Fiscal Year 1988.

The amount of the budget request for Fiscal Year 1988 is \$20,649 above the revised budget for Fiscal Year 1987. The revised budget includes \$3,500 in additional funds allocated by the Department of Management to cover a portion of the salary increase for the executive secretary. All the increase in the budget would be financed from the general fund rather than institutional reimbursement.

Mr. Richey explained the office has had an unusual problem with retention of secretarial personnel because the office had attempted to eliminate two positions. He stated there had been three resignations in a matter of weeks, and the most senior secretary has been with the office for less than a year.

The budgeted increases for Fiscal Year 1988 are for price inflation, equipment, and needed adjustments in the amount of salary savings.

Every state agency is required to identify in priority order 25 percent of the current appropriations for examination during the budget review process. The total amount that is required to be identified for the Board Office is \$115,000. The amounts are shown below by unit:

Personnel and Employment Relations	32,000
Academic Affairs and Research	30,000
General Office Support including Secretarial Staff	21,000
Business and Finance	<u>32,000</u>
TOTAL	\$115,000

The detailed positions and categories of expenditures would be identified later as required by the Department of Management. At least four positions,

and possibly five, would have to be abolished together with all supporting expense should this budget not be restored.

Mr. Richey noted the proposed budget for Fiscal Year 1988 included no new programs or services but would rather maintain the existing level of staff services in the office.

**MOTION:**

Mr. Duchon moved that the board approve the revised Board Office budget of \$789,766 for Fiscal Year 1987 and request \$810,415 for operation of the Board of Regents Office in Fiscal Year 1988. Mr. Greig seconded the motion, and it passed unanimously.

**FINAL APPROVAL OF ADMINISTRATIVE RULES FOR EQUAL OPPORTUNITY, AFFIRMATIVE ACTION, AND TARGETED SMALL BUSINESS SET ASIDES.** The Board Office recommended that the board (1) approve the rules and policies for contract compliance, affirmative action and targeted small businesses; and (2) authorize the executive secretary to appoint two ad hoc advisory committees, one for construction and one for the balance of purchases.

Senate File 2175, the state government reorganization bill, requires the Board of Regents to adopt equal employment and affirmative action rules in accordance with Chapter 17A. The original rules were presented to the board in July and were filed as emergency rules on July 25, 1986. A hearing was held on September 4 at which time the public was given an opportunity to comment. The executive secretary appeared before the Legislative Rules Review Committee on September 10 and responded to questions which were raised. Following the hearing, the executive secretary and members of the Board Office staff met with groups of minority and women business owners and representatives of the building trades.

The amended rules contain the recommendations as suggested by legislators, institutions, and Board Office staff members. The changes include the following:

1. Inclusion of veterans of the Vietnam era as persons of the protected classes
2. Additional definitions in Section 7.1
3. Clarification of language

4. Exclusion of fuels as part of the procurement targeted set-aside
5. Dividing total purchases into small tasks or quantities when it is economically feasible

The rules have been received favorably by members of the General Assembly, women and minority businesses and organizations.

The executive secretary requested the board's approval to appoint two ad hoc advisory committees, one for representatives of minority and women owned businesses and one for similar representation from the construction industry. These individuals would be called upon to assist the institutions and Board Office in implementing the Targeted Small Business Set-Aside Program. They would work with the institutions as resource persons in the areas of purchasing and contracting.

Mr. Richey explained the board had been asked to initially approve the rules on an emergency basis so that the new law could be implemented as soon as possible. Concurrently, the regular rules adoption process has been followed. He indicated every interested organization and person who could be identified was consulted. He stated changes had been made which were recommended by legislators and by minorities and women. Some proposals by the Master Builders and other contracting associations were considered but not adopted because the effect would have been to repeal the law. He indicated he felt all the groups except perhaps the contractor organizations were very happy with the rules.

Regent Duchen asked for an explanation of the advisory groups.

Mr. Richey stated even with the law and the administrative rules in place, detailed procedures within the institutions must be developed to administer the rules. He stated these groups could be very helpful in writing those detailed internal procedures at the institutional level.

Regent Duchen asked who would be the members of the advisory groups.

Mr. Richey stated they would be located throughout the state and would be such people as minority and women contractors, and minority and women business owners.

Regent Duchen asked how long it would take to set up the groups.

Mr. Richey stated he was hopeful the groups would be ready to begin work by the end of the calendar year.

Regent Duchen asked how the institutions were being involved.

Mr. Richey stated they were involved in the formulation of the groups.

Vice President Ellis stated, since it was the institutional purchase and construction personnel would be involved, he was concerned how these advisory committees would work. He stated there may have been someone at the university who knew about these committees, but he did not know until he read the docket memorandum. He said he was particularly concerned at the notion that at the end of the year they were going to be judged on performance with regard to the two percent set aside. He said currently they are working under severe restraints. He said outside of the construction industry, they do not have a list of certified small businesses and, therefore, are not in a position to comply with the law. He said they were not in a position to talk about two percent across the board but are talking about larger amounts in some areas. He said a certain volume of purchases are taken away because of the availability of the products.

Mr. Richey stated the two percent applied only to Iowa businesses, and actually there would have to be 15 percent of the Iowa purchases to Iowa small businesses to comply with the overall two percent. He said this was the usual process to adopt procedures for purchasing and construction contracts with the involvement of institutional personnel. He noted the advisory committee would be consulted at the beginning and again at the end.

Director True stated the concept of the advisory committees was brought out in the course of listening to comments at the public hearing, by the Board Office, and from special groups talking afterward to the Board Office. He indicated about two weeks ago, he informed the business officers about the quarterly reporting requirements and the kind of specific things that needed to be done and the idea of using the ad hoc advisory committees. He said the quarterly report would go to the Department of Management at the end of November.

Mr. Richey stated there was also a construction contracts committee which meets every few years to look at the standard language in the Regent construction contracts.

Regent Duchon presented an illustration of a possible problem. He used the example of business who was not an Iowa business and not minority owned and came in with a bid below other bidders. He asked who would get the contract.

Mr. Richey stated if the difference was a large amount, the non-Iowa business would get the contract. If it were close, it may go to an Iowa business under the law. He said bids for certain products would be solicited only from targeted small businesses, and other businesses may not have an opportunity to bid.

Regent Duchon asked if the committees would really be used or would just be window dressing. He said the committees could become discouraged in a hurry.

Mr. Richey said the committees would have to be used because it was the law. He said the reason they were talking about the ad hoc nature is that the new procedures have to be developed and once they are the committees' job would be done.

Regent Anderson asked if the institutions were involved in the development of the rules.

Vice President Ellis stated yes they were.

Regent Anderson stated, in regard to the committee, it seemed to her that there was value on the other side and that is those persons representing the interests involved may see some of the problems about the need to get the 15 percent.

Vice President Ellis asked why two committees were needed when there was only one set-aside requirement.

Mr. Richey stated the procedures were different for different products and there were different people working in construction and other purchasing at the institutions.

Regent Anderson stated as the Board Office and institution were working on this, it seemed to her that it was terribly important to keep in mind a change in the law might be required since Regent institutions were unique in the kinds of products they purchase.

Mr. Richey stated the construction industry would undoubtedly ask for repeal of the law.

Regent Anderson stated the law effectively meant 15 percent for the Regents rather than two percent which was a substantial difference and probably other agencies were not affected in that way.

Mr. Richey said it was probably more pronounced with the Regents but were probably not that different. He stated he would not recommend trying to amend or question the law.

Regent Anderson stated she would be very interested to see how it really works and affects the institutions in terms of costs.

MOTION:

Mr. Duchen moved that the board (1) approve the rules and policies for contract compliance, affirmative action, and targeted small businesses and (2) authorize the executive secretary to appoint two ad hoc advisory committees, one for representatives of minority and women owned businesses and one for representatives of the construction industry. Dr. Harris seconded the motion, and it passed unanimously.

Vice President Madden stated he shared some of Vice President Ellis' concern about the administrative process. He said he was afraid they were getting into more of a process than was needed.

Mr. Richey stated one thing the board needed to do to keep its good name was to insure that purchasing and construction contract people knew what the law was about and have a commitment to carry it out and have procedures in place to have effective administration. Part of the work of the advisory committee would be to sensitize the purchasing and construction contract people to some of their problems and needs.

**REGENTS MERIT SYSTEM ANNUAL REPORT - FISCAL YEAR 1986.** The Board Office recommended the board accept the annual report.

Highlights of the report are as follows:

The total number of Regents Merit System employees at the end of the fiscal year decreased slightly from the previous year:

	<u>Fiscal Year 1985</u>	<u>Fiscal Year 1986</u>
SUI	5,221	5,256
ISU	2,511	2,432
UNI	630	637
ISD	105	119
IBSSS	<u>103</u>	<u>96</u>
TOTAL	8,569	8,540

The number of minority employees in merit system position increased from 2.8 percent in Fiscal Year 1985 to 2.9 percent in Fiscal Year 1986.

The average salary for Regents Merit System employees in Fiscal Year 1985 was \$14,450 as compared to \$15,019 in Fiscal Year 1986.

The number of reclassification requests decreased from 429 in Fiscal Year 1985 to 325 in Fiscal Year 1986. Thirteen reclassification decisions were appealed to a classification review committee. Four classification decisions were reversed by the committees.

There were 1,053 original entry appointments in the Regents Merit System (686 - SUI, 248 - ISU, 97 - UNI, 13 - ISD, 9 - IBSSS).

The entire annual report is on file in the Board Office.

**ACTION:** President McDonald stated the annual report of the Regents Merit System was received by general consent of the board.

**REPORT OF THE BANKING COMMITTEE.** Director True explained the Banking Committee had been scheduled to meet in conjunction with the October board meeting but was deferred at the request of the institutional treasurers. The Regents' investment policy requires the institutional treasurers to prepare a report on all invested funds each quarter for presentation to the Banking Committee. The report would include a summary of cash and endowment portfolio investments and comparisons of investment results with bond indices, stock indices and the performance of other funds would be presented to the committee in November.

**ACTION:** President McDonald stated the report was received by general consent of the board.

**BOARD OFFICE PERSONNEL REGISTER.** The following action on the register was approved as a part of the consent docket: Resignation: Laurie Helton, Secretary II, effective October 3, 1986.

GENERAL

October 15 and 16, 1986

**NEXT MEETINGS.** Mr. Richey stated the board would be interviewing finalists for the Superintendent of the Iowa School for the Deaf on December 16 at the Marriott Hotel in Des Moines.

November 19-20	University of Iowa	Iowa City
December 17-18	Iowa State University	Ames
January 21-22, 1987		Des Moines
February 18-19	University of Northern Iowa	Cedar Falls
March 11-12	Iowa State University	Ames
April 22	University of Iowa	Iowa City
April 23	Iowa Braille and Sight Saving School	Vinton
May 20-21	Iowa School for the Deaf	Council Bluffs
June 17-18	University of Northern Iowa	Cedar Falls
July 8-9	Iowa State University	Ames
August	NO MEETING	
September 16-17	University of Iowa	Iowa City
October 21-22	Iowa State University	Ames
November 18-19	Iowa School for the Deaf	Council Bluffs
December 16-17	University of Iowa	Iowa City

President McDonald stated the student groups had indicated having the tuition discussion docketed for 10 a.m. on Thursday, December 18 would be acceptable to them.

**ACADEMIC PLANNING SEMINARS.**

November 19	Academic Planning Seminars for Special Schools
December 17	Review of Proposed Plans and Conclusions

President McDonald then asked board members and institutional executives if there were items to be discussed pertaining to general or miscellaneous items. There were none.

President McDonald stated the student groups had indicated having the tuition discussion docketed for 10 a.m. on Thursday, December 18 would be acceptable to them.

STATE UNIVERSITY OF IOWA

The following business pertaining to the State University of Iowa was transacted on Thursday, October 16, 1986.

**REGISTER OF PERSONNEL CHANGES.** The register for the month of September 1986 was approved as part of the consent docket.

**ANNUAL REPORT OF RESIGNATIONS.** The Board Office recommended the board receive the annual report of resignations at the University of Iowa for the period July 1, 1985, through June 30, 1986.

The University of Iowa reported a total of 73 resignations in the 1985-86 year, five more than the number reported last year. As shown in the table below, the number of resignations per year ranged from 54 in 1982-83 to 84 in 1980-81. The past average is 74 resignations per year. The table indicates the reasons for resignations and notes that 58 percent of the faculty members who resigned accepted positions in other universities of higher learning.

RESIGNATIONS BY TYPE  
UNIVERSITY OF IOWA  
1976-77 THROUGH 1985-86

	ACCEPTED POSITION WITH ANOTHER UNIVERSITY		RETURNED TO SCHOOL TO CONTINUE EDUCATION		ACCEPTED JOB IN GOVERNMENT/ PRIVATE SECTOR		OTHER		TOTAL #
	#	%	#	%	#	%	#	%	
Total 1976-77	47	59%	0	0%	28	35%	5	6%	80
Total 1977-78	38	51%	0	0%	26	35%	11	15%	75
Total 1978-79	48	60%	2	3%	21	26%	9	11%	80
Total 1979-80	47	61%	1	1%	21	27%	8	10%	77
Total 1980-81	51	61%	5	6%	22	26%	6	7%	84
Total 1981-82	39	50%	4	5%	28	36%	7	9%	78
Total 1982-83	36	67%	2	4%	12	22%	4	7%	54
Total 1983-84	37	54%	2	3%	18	26%	11	16%	68
Total 1984-85	45	66%	3	4%	15	22%	5	7%	68
Total 1985-86	42	58%	3	4%	21	29%	6	9%	73
10 YEAR AVERAGE	43	58%	2	3%	21	29%	7	10%	73

The proportion of the resignations for women (25 percent) is about the same as reported in the previous year.

The College of Medicine continued to show the largest percentage (39 percent) of resignations -- a seven percent increase from the previous year. The College of Liberal Arts again has the second greatest percent of resignations (35 percent); this is an increase of about 15 percent from the previous year.

RESIGNATIONS BY COLLEGE  
 UNIVERSITY OF IOWA  
 1985-86

	# of Resignations	% of Resignations
Business Admin.	7	9.59%
Dentistry	3	4.11%
Education	0	0.00%
Engineering	4	5.48%
Law	1	1.37%
Liberal Arts	26	35.62%
Medicine	29	39.73%
Nursing	2	2.74%
Pharmacy	<u>1</u>	<u>1.37%</u>
Total	73	100.0%

Vice President Remington stated there was both good news and bad news. The good news was that the number of resignations was not above the ten-year average. The bad news was that the resignations in the most recent four years showed an upward trend. He indicated the faculty who resigned were among some of the very senior faculty members and were people who would have never dreamed of leaving the university in other times.

Regent Murphy asked why the College of Liberal Arts was so drastically high.

Vice President Remington stated there was always turnover in any large faculty, and liberal arts faculty was typically the largest and represented a faculty which was present in every public and private university. He noted most universities were constantly looking for good liberal arts faculty members.

Regent Duchen stated he was troubled when he saw faculty members leaving to go to less prestigious universities.

Regent Anderson stated it would be helpful to her to see the percentage of resignations in a college based on the total number of faculty in that college.

**ACTION:** President McDonald stated the resignation report was received by general consent of the board.

**GRADUATE PROGRAMS IN BIOMEDICAL ENGINEERING.** The Board Office recommended referral of the establishment of Master of Science and Doctor of Philosophy Degree programs in Biomedical Engineering to the Interinstitutional Committee on Educational Coordination and the Board Office for review and recommendation.

**ACTION:** President McDonald stated the proposed programs were referred to the Interinstitutional Committee on Educational Coordination and the Board Office by general consent of the board.

Regent Anderson stated it would be helpful to her if the institutional exhibits concerning new program approvals were included in the docket book along with the Interinstitutional Committee's recommendation during the month when the board would make the decision.

Mr. Richey indicated the exhibits could be the docket book both in the month of referral and in the month of the board's action unless they were particularly voluminous.

**REGISTER OF CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS.** The Board Office recommended approval of the register for the period of September 8 through October 3, 1986.

Highlights of the register are as follows:

**PROJECT DESCRIPTIONS AND BUDGETS:**

<u>Parklawn Apartments Renovation</u>	Budget <u>\$620,000</u>
Source of Funds: Dormitory Improvement Reserves	

This project involves renovating the interior of Parklawn Apartments. The renovation includes correction of fire code deficiencies, replacement of piping, and upgrading of the electrical and ventilation services.

The renovation will be accomplished during the summer of 1987 when the apartments are vacated. In September, the board approved the selection of Pierce King Architect and Associates, Iowa City, Iowa, as project architect.

Medical Laboratories Building--Remodel Lecture Room

No. 1

Source of Funds: National Institute of Health Grant	\$382,717
Pearson Gift Fund	<u>\$310,783</u>
TOTAL	\$693,500

This project involves remodeling an existing lecture room into two medical research laboratory suites. The two laboratories will be created by dividing the two-story high lecture room. The project includes construction of a new floor dividing the space into two levels, new ventilation, electrical and plumbing systems, and installation of laboratory case work.

The university indicated that the laboratories would be utilized by the National Heart, Lung, and Blood Shared Research Facility of the Department of Internal Medicine. A grant from the National Institute of Health is financing a portion of the construction project.

In July, the board approved the selection of Robert Burns and Associates to provide design services.

CONSULTANT AGREEMENTS:

The university requested approval of two consultant contracts:

Recreation Building--Roof Repair Fee \$116,000  
Wiss, Janney, Elstner Associates, Inc., Northbrook, IL

The university requested approval of Wiss, Janney, Elstner Associates, Inc., to provide design services on the Recreation Building roof repair project. The firm assisted the Iowa Attorney General's Office in assessing the present condition of the building and the history of the problems with the roof structure.

The firm specializes in the analysis and repair of failed structures. Because of its involvement in the assessment for the Attorney General's Office, the university believes that the firm is best qualified to perform design services on the reconstruction project.

A preliminary estimate of the construction and repair of the roof structure is \$1,564,000.

After approval of the agreement, the firm will complete preparation of

construction documents within ten weeks. The university anticipates the actual repair work will start in the spring of 1987.

Chilled Water Plant Parking Structure

Rich and Associates, Southfield, Michigan, in association  
with Neumann Monson, Iowa City, Iowa  
(Feasibility Study)  
(Design Services)

\$ 30,000  
\$150,000

The university requested approval of Rich and Associates in association with Neumann Monson Architects as project design consultants on this project. In July, the board authorized the university to proceed with project planning for a parking ramp on the west campus. The proposed 400-car parking ramp will be constructed on the west campus chiller water plant.

The university advertised its interest in obtaining a design consultant for the parking structure. Thirteen responses from architectural firms and parking consultants were received. Interviews were conducted by the university's architectural selection committee with three firms. A representative of the Board Office participated in the interviews.

The university negotiated a two-part agreement with the consultants. The initial phase is a study of the feasibility of constructing the parking structure on the chilled water plant. The second phase is for preparation of the actual design of the parking structure.

CONSTRUCTION CONTRACTS:

The following contract was awarded by the Executive Secretary on behalf of the board:

Main Power Plant Boiler Replacement Program--Phase I  
Boiler No. 11--Contract 4, Substructure

Award to: M. A. Mortenson Company, Minneapolis, MN  
Base Bid of:

\$1,423,700

(4 bids received)

This contract is part of the boiler replacement project and involves erection of the building substructure for the addition to the power plant that will house the new boiler.

CHANGE ORDERS TO CONSTRUCTION CONTRACTS

New Telecommunications System

Universal Communications Systems, Roanoke, VA

Change Order #5  
Change Order #6

Add \$ 5,423.30  
Add \$35,287.23

Change Order #5 involves the installation of additional feeder cable in Westlawn to accommodate additional pre-wired work stations. The cost is calculated on the amount of additional wiring needed. The cost per linear foot of the feeder cable was established in the bid price.

Change Order #6 is a consolidation of five individual revisions to Universal Communications' installation contract. The revisions include providing additional coaxial cable. Two of the revisions involve credit received for coaxial cable not installed in residence halls. These credits total \$46,880.90.

The remaining revisions contained in Change Order #6 involve installation of additional coaxial cable for building complexes, insulation of alarms in the equipment rooms, and the addition of call detail recording back-up tape to the university's call accounting system. The largest cost revision, \$62,000, is for the installation of new coaxial cable extending the campus cable backbone. Universal Communication Systems will be installing the additional coaxial cable in the same trench in which they are placing the university telephone cable system.

The university obtained quotations from other vendors to assure that the \$62,000 quotation from Universal Communications was competitive. A comparison of the price quotations indicates that Universal Communications' price is the least expensive alternative. Documentation supporting the quotations and the comparison of the prices has been supplied to the Board Office.

The new amount of the contract with Universal Communications, including Change Orders #5 and #6, is \$15,131,143.28.

#### ACCEPTANCE OF COMPLETED CONSTRUCTION PROJECTS:

The university reported acceptance of construction contracts on four completed capital projects. Inspection found that in each case the contractor complied with the plans and specifications. The university recommended that the work be accepted as complete.

#### FINAL REPORTS:

The university submitted final reports on 13 completed capital projects.

#### SEMI-ANNUAL REPORT ON CAPITAL PROJECT STATUS:

The University of Iowa presented a status report on all ongoing capital projects with budgets over \$250,000. The status report was attached to this month's capital register. The university indicated that 35 capital projects with a combined budget of \$134 million were presently active.

The entire register is on file in the Board Office.

**MOTION:** Mr. VanGilst moved that the board approve the Register of Capital Improvement Business Transactions as presented. Mr. Greig seconded the motion, and it passed unanimously.

**LEASES.** The Board Office recommended approval of leases with tenants as follows:

With WORLDVIEW CORPORATION for use of approximately 1,584 square feet of office space (Rooms 19, 21, 23, 25, 27, and 31) in the Technology Innovation Center at the Oakdale Campus for a period of one year commencing November 1, 1986, and ending October 31, 1987, at a rate for the period of \$9,504.

With SOLA MENTE for the use of approximately 286 square feet of office space (Room 131) in the Technology Innovation Center at the Oakdale Campus for a period of one year commencing November 1, 1986, and ending October 31, 1987, at a rate for the period of \$1,716.

With EDUCATIONAL CONCEPTS, LTD., for the use of approximately 550 square feet of office (Rooms 219 and 221) in the Technology Innovation Center at the Oakdale Campus for a period of one year commencing November 1, 1986, and ending October 31, 1987, at a rate for the period of \$3,300.

The rental rates are calculated at \$6 per square foot and include utilities and services.

**MOTION:** Mr. Duchon moved that the board approve the lease as follows: With WORLDVIEW CORPORATION for use of approximately 1,584 square feet of office space (Rooms 19, 21, 23, 25, 27, and 31) in the Technology Innovation Center at the Oakdale Campus for a period of one year commencing November 1, 1986, and ending October 31, 1987, at a rate for the period of \$9,504; with SOLA MENTE for the use of approximately 286 square feet of office space (Room 131) in the Technology Innovation Center at the Oakdale Campus for a period of one year commencing November 1, 1986, and ending October 31, 1987, at a rate for the period of \$1,716; and with EDUCATIONAL CONCEPTS, LTD., for the use of approximately 550 square feet of office (Rooms 219 and 221) in the Technology

Innovation Center at the Oakdale Campus for a period of one year commencing November 1, 1986, and ending October 31, 1987, at a rate for the period of \$3,300. Mrs. Murphy seconded the motion, and upon the roll being called, the following voted:

AYE: Anderson, Duchen, Greig, Harris, McDonald, Murphy, VanEkeren, VanGilst.

NAY: None.

ABSENT: Tyler.

**RESOLUTION TO AUTHORIZE ISSUANCE OF DUPLICATE HOSPITAL REVENUE BONDS.**

Director True presented a supplemental item requesting the board to adopt "A resolution authorizing and providing for the issuance of duplicate Hospital Revenue Bonds, Series 1978, in the aggregate principal amount of \$10,000." Bonds dated June 1, 1978, maturing September 1, 2001, original bonds number 1953 and 1955.

Director True explained the bond holder had notified the university treasurer of the loss of the bonds in the denomination of \$5,000.

Chapman and Cutler, the Regents' bond counsel, advised the board in 1982 that there was no specific provision for the replacement of lost, destroyed, or stolen bonds in either the statutory provisions pursuant to which these bonds were issued or in the original bond resolution adopted by the board to authorize their issuance. The bond counsel advised that the provisions of the Code of Iowa which are of general application to investment securities, Section 554-8405 was sufficient to permit the board to authorize the issuance of duplicate bonds upon satisfaction of the requirements of that section. The Code provides that the owner of the original security must meet the following requirements:

- a. Request a replacement bond before the issuer has notice that the security has been acquired by a bona fide purchaser.
- b. File with the issuer a sufficient indemnity bond.
- c. Satisfy any other reasonable requirements imposed by the issuer.

The resolution drafted by the bond counsel set forth the above conditions and authorizes the issuance of the duplicate bonds together with appropriate coupons. The costs incurred in connection with furnishing the duplicate bonds will be borne by the bond holder.

MOTION:

Dr. Harris moved that the board adopt "A resolution authorizing and providing for the issuance of duplicate Hospital Revenue Bonds, Series 1978, in the aggregate principal amount of \$10,000." Mr. VanGilst seconded the motion, and upon the roll being called, the following voted:

AYE: Anderson, Duchen, Greig, Harris, McDonald, Murphy, VanEkeren, VanGilst.

NAY: None.

ABSENT: Tyler.

President McDonald then asked board members and institutional executives if there were additional items to be discussed pertaining to the State University of Iowa. There were none.

## IOWA STATE UNIVERSITY

The following business pertaining to Iowa State University was transacted on Thursday, October 16, 1986.

**REGISTER OF PERSONNEL CHANGES.** The register for the month of September 1986 was approved as a part of the consent docket.

**ANNUAL REPORT OF RESIGNATIONS.** The Board Office recommended acceptance of the annual report of resignations at Iowa State University for the period July 1, 1985, through June 30, 1986.

Iowa State University reports a substantial increase in the number of faculty resignations, in 1985-86. There were 35 resignations in 1984-85 and 61 in 1985-86. This represents an increase of 14 percent, or 26 resignations from the previous year. This number of resignations is above the average of 46 for the last ten years. It is the highest total number during the ten year period, compared to 60 in 1977-78 and 59 in 1981-82. A comparison of reasons for the resignations reveals that the largest percentage (52%) accepted a position with another university. Another 23% accepted positions in government or in the private sector. This general pattern has been fairly consistent over the years, however there is a recent increase in persons accepting positions in government and the private sector.

RESIGNATIONS BY TYPE  
IOWA STATE UNIVERSITY  
1976-77 THROUGH 1985-86

	ACCEPTED POSITION WITH ANOTHER UNIVERSITY		RETURNED TO SCHOOL TO CONTINUE EDUCATION		ACCEPTED JOB IN GOVERNMENT/ PRIVATE SECTOR		OTHER		TOTAL
	#	%	#	%	#	%	#	%	#
Total 1976-77	20	44%	0	0%	20	44%	5	11%	45
Total 1977-78	29	48%	2	3%	19	32%	10	17%	60
Total 1978-79	26	52%	3	6%	6	12%	15	30%	50
Total 1979-80	14	42%	1	3%	10	30%	8	24%	33
Total 1980-81	18	44%	4	10%	13	32%	6	15%	41
Total 1981-82	27	46%	0	0%	23	39%	9	15%	59
Total 1982-83	16	57%	1	4%	8	29%	3	11%	28
Total 1983-84	19	43%	1	2%	13	30%	11	25%	44
Total 1984-85	26	74%	0	0%	2	6%	7	20%	35
Total 1985-86	<u>32</u>	<u>52%</u>	<u>0</u>	<u>0%</u>	<u>14</u>	<u>23%</u>	<u>15</u>	<u>25%</u>	<u>61</u>
10 YR AVERAGE	23	50%	1	3%	13	28%	9	19%	46

Assistant professors now account for 65 percent of the resignations (last year 51 percent were assistant professors). There has also been a corresponding change in the percentage of full professors resigning. Last year 34 percent were full professors, this year they represent only 19 percent of the total resignations. The percentage of females resigning has also increased from 17 percent (6) last year to 24 year (15) this reporting year.

As was the case in the past several years, the largest number of resignations was received from the College of Sciences and Humanities. The Colleges of Agriculture, Design and Engineering continue to have a large percentage of the resignations. The other colleges are in similar proportions to previous years.

RESIGNATIONS BY COLLEGE  
IOWA STATE UNIVERSITY  
1985-86

	<u>Number of Resignations</u>	<u>Percentage of Resignations</u>
Agriculture	10	16.4%
Business Administration	3	4.9%
Design	6	9.8%
Education	2	3.3%
Engineering	6	17.1%
Home Economics	5	8.2%
Library	3	4.9%
Science & Humanities	22	36.1%
Veterinary Medicine	4	6.6%
Total	61	100.00%

Vice President Christensen stated the comments made by Vice President Remington would fit equally at Iowa State University. He noted there were basically two concerns by the faculty. One was the salary issue, and the other was the concern about the future economy of Iowa.

Regent Anderson stated, unlike the University of Iowa, Iowa State University was experiencing its highest number of resignations. She asked what happened four years ago to cause such a low number of resignations.

Vice President Madden stated that was the year with the high salary increases. He noted, too, that was the year mortgage interest rates were extremely high which made the cost of relocating very expensive.

Mr. Richey added that several surrounding states were having very rough years at that time.

**ACTION:** President McDonald stated the annual report of resignations was received by general consent of the board.

**REGISTER OF CAPITAL IMPROVEMENT TRANSACTIONS.** The Board Office recommended approval of the register for the period of September 19 through October 16, 1986.

Highlights of the register are as follows:

PROJECT DESCRIPTIONS AND BUDGETS:

The university requested approval of revised budget and fund source on the following project:

<u>Agronomy Building Addition</u>	Original Budget	<u>\$26,565,000</u>
Source of Funds:	70th General Assembly	
	Academic Revenue Bonds	\$25,825,000
	Alumni Achievement Foundation	650,000
	Income from Treasurer's	
	Temporary Investment	<u>1,175,000</u>
	Revised Budget	<u>\$27,650,000</u>

The university requested approval of a \$1,085,000 increase in the budget in part to cover of cost of remodeling space for biotechnology research. The university previously informed the board of its intention to locate biotechnology research laboratories in the Agronomy Building Addition.

The remodeling of approximately 7,000 net square feet of space in the basement of the Agronomy Building Addition was incorporated into the planning for the Agronomy Building remodeling project. This was to minimize the added cost for the biotechnology remodeling.

The additional cost will come from income from treasurer's temporary investment. Bids were received on that portion of the project on October 2, 1986. The award of the contract is discussed in Section E of this memorandum.

Amended budgets were presented on the following three projects reflecting recent awards of construction contracts:

<u>Beardshear Hall--Atrium Sprinkler System</u>	Amended Budget	<u>\$335,000</u>
Source of Funds:	70th General Assembly Capital	
	Appropriations and Building	
	Repair Fund or Income from	
	Treasurer's Temporary Investment	

The amended budget was presented on the register because the award of the negotiated contract for the automatic fire sprinkler system. The amended budget reflected board approval in September for the use of Physical Plant forces for general, mechanical, and electrical portions of the sprinkler system project. The total budget remained unchanged.

<u>Central Campus--Parking Lot No. 2 Extension</u>	Amended Budget	<u>\$250,000</u>
Source of Funds:	ISU Achievement Foundation	

The amended budget reflected an award of a construction contract for \$188,901 to Des Moines Asphalt and Paving Company. The budget amount remained unchanged.

Utilities--Replace Steam Generators No. 1 & 2 Amended Budget \$26,500,000  
Source of Funds: Utility System Revenue Bonds,  
Series ISU 1985

In September, 1986, the board approved the project description and budget for the utility project. The amended budget was included on the register because of an award of a contract for the site preparation portion of the project. The contract for \$1,192,260 with Brad Construction Corporation is identified in the Construction Contracts section of the capital register. The overall budget amount was unchanged.

Also included in this section of the capital register were projects of less than \$250,000 that the university is initiating. This month the university presented seven new projects which would be initiated in the coming months and reported one revised budget on a project previously approved by the board. Of the seven new projects, it was expected that four would be funded from the disbursement of Exxon oil overcharge funds. Last month, the board approved a program for oil overcharge funds which included these four projects.

CONSULTANT AGREEMENTS:

Utilities--Wallace-Wilson Boiler Replacement \$24,000  
SEGA, Inc., Stanley, KS  
(Engineering Services)

In September, the board approved the project which will replace the current boilers in the Wallace-Wilson residence complex. The existing boilers, which are 18 years old, operate inefficiently and are costly to maintain.

The university negotiated an agreement with SEGA, Inc., of Stanley, Kansas, to provide engineering services on the project.

CONSTRUCTION CONTRACTS:

The following project was referred to the board for action because the project is funded by Academic Revenue Bond proceeds:

Agronomy Addition  
Award to: General Business Equipment, Ltd., Sioux City, IA  
Base Bid of: \$38,471.40  
(4 bids received)

The university requested award of this contract. Provisions of the Academic Revenue Bonding Statute in Section 262A of the Code of Iowa require that equipment purchases over \$25,000 funded with proceeds from Academic Revenue Bonds be awarded by the Board of Regents.

Agronomy Addition--Phase 3

Award to: Larson Construction Company, Inc., Independence, IA

Base Bid of:

\$3,949,202

(8 bids received)

This contract involves remodeling of the original Agronomy Building and completion of unfinished space in the Agronomy Addition for biotechnology research laboratories.

In addition to the eight bids accepted, one bid was presented one minute after the time clock registered 2:00. The late bid was not received and was returned to the bidder unopened.

The following contract award was made by the Executive Secretary on behalf of the board:

Utilities--Replace Steam Generators No. 1 & 2--

Site Preparation

Award to: Brad Construction Corporation Des Moines, IA

Base Bid of:

\$1,192,260

(2 bids received)

This contract is part of the Power Plant Replacement project.

ACCEPTANCE OF COMPLETED CONSTRUCTION PROJECTS:

The university reported completion of two construction contracts during the reporting period. One of the projects completed is construction of the Agronomy Building Addition. Inspection of the work on the contracts found that the contractors complied with the plans and specifications. The university recommends that the work be accepted as complete.

SEMI-ANNUAL REPORT ON CAPITAL PROJECT STATUS:

This month, Iowa State University presented its status report on all ongoing capital projects with budgets over \$250,000. The status report was attached to this month's capital register. The university indicated that 24 capital projects with a combined budget of \$104 million were underway.

The entire register is on file in the Board Office.

MOTION:

Mrs. Anderson moved that the Register of Capital Improvement Business Transactions be approved as presented. Mrs. Murphy seconded the motion, and it passed unanimously.

**LEASES.** The Board Office recommended approval of the following leases with landlords:

With CEDAR RAPIDS COMMUNITY SCHOOL DISTRICT for the use of approximately 1,426 square feet of office space in the building at 346 2nd Avenue SW, Cedar Rapids, for the period October 1, 1986, through December 31, 1991, at an annual rent of \$6,404.52; and

With MAX E. GUERNSEY for the use of approximately 2,592 square feet of space at 209 West 5th Street, Waterloo for the period September 1, 1986, through November 30, 1986, with an option for December 1986, at a monthly rent for the period of \$1,045.

Cedar Rapids Community School District: At its September meeting the board approved a lease with the Cedar Rapids Community School District for this space. During the course of preparation of the lease documents, it was noted by the university that it had incorrectly stated the rental rate for space which the school district had to improve for use by the university as an Area Extension Office. In September, the university reported the rate on the 1,046 square feet of improved space to be \$3.64 when in fact the rate was to be \$5.32. The university reported that the actual rate for the improved space is fair and equitable and below the market rate for comparable space in Cedar Rapids. All other terms and conditions of the lease remain as approved by the board in September.

Max E. Guernsey: The Waterloo Area Extension Office is expecting to move to a new location in December 1986 or January 1987. The lease for its existing space expired August 31, 1986. Therefore, the university desired to extend the lease for its existing space through either November or December 1986, depending on the availability of the new space. The landlord has agreed to a rental rate of \$1,045 per month for the period September 1, 1986, through November 30, 1986. The landlord has also agreed that, if the university needed the space for December 1986, it would be available at the same rate. Mr. Madden reported the university may, in fact, need the space for January 1987, and that the landlord agreed to such an extension if needed. The rate for extension is 10 percent above the rate on the lease that expired. The university reported that the rate for the extension period was reasonable. All other terms and conditions of the lease remain the same.

MOTION:

Mr. VanGilst moved that the board approve the following leases: With CEDAR RAPIDS COMMUNITY SCHOOL DISTRICT for the use of

approximately 1,426 square feet of office space in the building at 346 2nd Avenue SW, Cedar Rapids, for the period October 1, 1986, through December 31, 1991, at an annual rent of \$6,404.52; and with MAX E. GUERNSEY for the use of approximately 2,592 square feet of space at 209 West 5th Street, Waterloo for the period September 1, 1986, through November 30, 1986, with an option for December 1986, at a monthly rent for the period of \$1,045. Mr. Greig seconded the motion, and upon the roll being called, the following voted:

AYE: Anderson, Duchen, Greig, Harris, McDonald, Murphy, VanEkeren, VanGilst.

NAY: None.

ABSENT: Tyler.

**ACADEMIC BUILDING REVENUE REFUNDING BOND RESOLUTIONS.** The Board Office recommended the board adopt a "Resolution authorizing the Executive Secretary to fix date or dates for sale of up to \$17,000,000 Academic Building Revenue Refunding Bonds, Series I.S.U. 1986."

Last month, the board concluded the first refunding of outstanding Academic Building Revenue Bonds. The September refunding was for two University of Iowa series of Academic Building Revenue Bonds. This month, the board was asked to initiate actions which would lead to the refunding of selected Academic Building Revenue Bonds for Iowa State University and the University of Northern Iowa.

The reason for refunding selected Academic Revenue Bonds is to allow substantial restructuring of tuition replacement appropriations needed through 1990. The sale of the five issues would enable the issuance of \$29 million in new Academic Revenue Bonds without causing debt service needs to exceed existing appropriations for tuition replacement.

It is expected that \$17 million would be sufficiently large to refund outstanding principal on two bond issues which were sold in 1981 and 1982. Those two bond issues sold at net interest rates of 11.19 percent and 10.16 percent. Last month, the refunding bonds for the University of Iowa sold at a net interest rate of 6.29 percent. The refunding bonds which would be issued as a result of this resolution would be expected to sell at a net interest rate of less than 7 percent.

The two Iowa State University issues would be refunded in November or early December. The University of Northern Iowa issue would probably be refunded at the same time.

The resolution would authorize the Executive Secretary to set the date for the sale of the Iowa State University refunding. A similar resolution for the University of Northern Iowa appears in the appropriate section of these minutes. It is likely that the sale would take place in conjunction with the November board meeting; however, flexibility in setting the date for the sale is needed.

The need for flexibility in setting the date of the sale is because only a two-month lag will have occurred since the University of Iowa bonds were refunded at the September board meeting. Traditionally, the board attempts to keep a three-month lag between the sale of bond issues. This allows the Iowa market to digest these bonds prior to the next sale. The board's financial advisors, Springsted, Inc., will monitor closely the sale of the remaining University of Iowa refunding bonds. Springsted will advise the Board Office and the Board President on whether to proceed with the sale at the November board meeting or whether to defer the sale to December.

The objective is to achieve the most favorable interest rate for the Iowa State University and the University of Northern Iowa refunding issues. Therefore, the resolution has been drafted granting the Executive Secretary the authorization to set the date of the sale. Iowa State University and the board's bond advisors have concurred with this recommendation. In carrying out this responsibility, the Executive Secretary will consult with Iowa State University and secure the approval of the Board President before setting a sale date. Should the sale date be other than the regular November board meeting, a telephonic meeting of the board would be required.

MOTION:

Dr. Harris moved that the board adopt a "Resolution authorizing the executive secretary to fix date or dates for sale of up to \$17,000,000 Academic Building Revenue Refunding Bonds, Series I.S.U. 1986." Mr. Greig seconded the motion, and upon the roll being called, the following voted:  
AYE: Duchen, Greig, Harris, McDonald, Murphy, VanEkeren, VanGilst.  
NAY: None.  
ABSENT: Anderson, Tyler.

President McDonald then asked board members and institutional executives if there were additional matters to be raised for discussion pertaining to Iowa State University. There were none.

## UNIVERSITY OF NORTHERN IOWA

The following business pertaining to the University of Northern Iowa was transacted on Thursday, October 16, 1986.

**REGISTER OF PERSONNEL CHANGES.** The register for the month of September 1986 was approved as part of the consent docket.

**OTHER PERSONNEL TRANSACTIONS.** The board was asked to approve the change of status of Dr. Jonathan J. Lu from Professor to Professor and Acting Head, Department of Geography for the Spring Semester 1987 at a salary of \$18,454 for the period.

**ACTION:** President McDonald stated the change in status was approved by general consent of the board.

**ANNUAL REPORT OF RESIGNATIONS.** The Board Office recommended acceptance of the annual report of resignations for the period July 1, 1985, through June 30, 1986.

The University of Northern Iowa reported the university experienced a reduction in the number of resignations (i.e. 17) from the previous year when twenty-one resignations were reported.

The table below provides data on the reasons for faculty resignations and indicates that 41 percent of those resigning in the 1985-86 year did so in order to accept a position with another university. The general pattern of having the largest number of faculty resignations related to accepting positions with another university has not changed in a decade.

UNIVERSITY OF NORTHERN IOWA  
RESIGNATIONS BY TYPE  
1976-77 THROUGH 1985-86

	ACCEPTED POSITION WITH ANOTHER UNIVERSITY		RETURNED TO SCHOOL TO CONTINUE EDUCATION		ACCEPTED JOB IN GOVERNMENT/PRIVATE SECTOR		OTHER		TOTAL
	#	%	#	%	#	%	#	%	#
Total 1976-77	10	30%	0	0%	8	24%	15	45%	33
Total 1977-78	4	17%	3	13%	8	35%	8	35%	23
Total 1978-79	14	47%	1	3%	6	20%	9	30%	30
Total 1979-80	14	44%	0	0%	9	28%	9	28%	32
Total 1980-81	14	47%	0	0%	11	37%	5	17%	30
Total 1981-82	20	80%	1	4%	3	12%	1	4%	25
Total 1982-83	6	60%	0	0%	2	20%	2	20%	10
Total 1983-84	12	57%	0	0%	5	24%	4	19%	21
Total 1984-85	14	67%	1	5%	4	19%	2	10%	21
Total 1985-86	7	41%	1	6%	5	29%	4	24%	17
10 YR AVERAGE	12	50%	1	4%	6	25%	6	25%	24

The number of resignations by sex is similar to that reported last year. Resignations of twelve men and five women reflect the fact that there are more male faculty than female.

The resignation data for 1985-86 indicated that all of the collegiate units had at least one resignation. As shown below, the largest number of resignations were in the College of Humanities and Fine Arts, Social and Behavioral Sciences. The university indicated that the reasons for these resignations were "rather idiosyncratic and any explanation is necessarily subjective."

UNIVERSITY OF NORTHERN IOWA  
RESIGNATION BY COLLEGE  
1985-86

	# of Resignations	% of Resignations
Business	3	18%
Education	1	6%
Humanities/Fine Arts	7	41%
Natural Sciences	2	12%
Social/Behavioral Sci.	4	23%
Total	17	100.0%

While the number of resignations in 1985-86 is below the nine-year average, the data indicated that the overall pattern of resignations for 1985-86 was fairly consistent with previous years in all categories.

Vice President Martin indicated there were some very painful losses this past year. He indicated he felt higher salaries were involved in the resignations. He noted that faculty morale was higher than it had been, and to some extent that could be substituted for compensation but there were limitations.

Regent VanGilst asked if the salary trend continued, would the quality of the faculty go down.

Vice President Martin stated there was an institutional loyalty factor, and people were staying out of that.

President Curris stated a problem was in the hiring of new faculty and the meeting of market place salaries for the new faculty causes a morale problem in the present faculty.

Regent Duchen stated his comment may be redundant but this was a monumental problem, and the institutions would start to lose top notch students as a result of losing high quality professors. He indicated this was a point that had to be gotten across to the legislature.

**ACTION:** President McDonald stated the annual report of resignations was received by general consent of the board.

Vice President Martin introduced Dr. John Deegan, the new Dean of the College of Science and Humanities.

**REGISTER OF CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS.** The Board Office recommended approval of the register for the period of September 3 through September 29, 1986.

Highlights of the register are as follows:

**APPROVAL OF PROGRAM STATEMENTS:**

Classroom-Office Building

The university completed preparation of a program statement on this project. The program statement provided an overview of the Classroom-Office Building project. It included an estimate of the size, cost, and definition of the parameters of the proposed facility.

In May, the board authorized the university to initiate planning for the Classroom-Office Building. The project will construct approximately 88,000 square feet of space to serve the School of Business. The Classroom-Office Building will provide classrooms, seminar rooms, laboratories, faculty offices, and administrative space for the School of Business.

On this month's capital register the university also requested approval of the project description and budget for the new Classroom-Office Building. The \$10.2 million project budget will be financed through the anticipated sale of Academic Building Revenue Bonds scheduled for December 1987. The university reported approval of a consultant agreement with Hansen Lind Meyer, Iowa City, Iowa, as project architect on the Classroom-Office Building. In July, the university reported the recommendation of the architectural selection committee. The approval of the appointment of Hansen Lind Meyer as architects on the project was requested at that time. The university requested that the Executive Secretary be authorized to approve the finalized agreement on behalf of the board.

Negotiations have now been completed, and the university reported an architectural services agreement with Hansen Lind Meyer for \$575,000. The fee represents 5.6 percent of the project budget.

**PROJECT DESCRIPTIONS AND BUDGETS:**

Classroom-Office Building

Budget \$10,200,000

Source of Funds: Anticipated Academic Building  
Revenue Bonds--1987

This project involves construction of an 88,000 square foot structure to house the School of Business.

The one project under \$250,000 presented for ratification by the board is Renovation of the University Museum. The university reported that the \$129,000 project is to be funded through a combination of building repairs and/or extension allocation for continuing education funds.

**CONSULTANT AGREEMENTS:**

The university requested the board's action on selection of design consultants on the following two projects:

Power Plant Replacement Study

Last month, the university requested permission to initiate planning on a project that will replace four outdated boilers. The replacement boiler capacity will be constructed at the new power plant site.

The board approved the university's request to conduct a comprehensive study of the overall power and system generating and distribution needs of the university. Preliminary estimates indicate the cost for fabrication and installation of the new boiler or boilers plus the associated equipment may range up to \$11.3 million. The cost figures will be refined as a result of the engineer's study.

The initial step in the study is to obtain the services of qualified, professional engineering firms. The university has finalized a Request for Proposal which is being distributed to consulting engineers. Proposals from interested consulting engineers are to be returned to the university by October 20, 1986. A university committee will review the proposals and make a recommendation for selection.

Because of its wish to select a consultant for this project prior to the November board meeting, the university requested that the Executive Secretary be authorized to approve the selection and to sign the contract. It is expected that a member of the Board Office staff will participate with university staff in evaluation of the proposals.

The selection of an engineering consultant to conduct the feasibility study on the Power Plant Replacement Project and the terms of the agreement will be reported to the board at the November meeting. It is expected that the cost of the engineering study will be funded from Exxon oil overcharge funds. A project description and budget will be prepared and presented for board approval at a subsequent meeting.

Classroom-Office Building

Fee \$575,000

Hansen Lind Meyer, Iowa City, Iowa  
(Architectural Services)

In July, the board approved the university's recommendation to appoint Hansen Lind Meyer as architectural consultant on the Classroom-Office Building. Negotiations have now been finalized, and the university presented an agreement for services through construction of the project.

Regent Murphy stated that Hansen Lind Meyer were considered to be experts in the hospital area.

Associate Director Runner stated the firm had done a substantial number of projects besides hospitals. He noted that the University of Iowa did use the firm for its hospital projects. He stated he had participated with the University of Northern Iowa in the architect interviews, and Hansen Lind Meyer gave a superb presentation and addressed the significance of the project to the university and to the university's programs.

Director Thompson stated the firm was involved in the construction of a new business building at the University of Minnesota.

Associate Director Runner noted the firm had also worked with Iowa State University on the Soil Tilth Laboratory.

Director Thompson stated the Classroom-Office Building would be a \$10.2 million project, and they were in the process of refining the building program. He said the building was targeted primarily toward the major departments in the School of Business plus external service areas. He said the university would be back to the board in January with schematic drawings. He noted the major problem in the next month would be the selecting of the building site. He said they would stay very close to the university's master campus plan, and the site for the building would be somewhere in the southwest quadrant of the campus in the vicinity of power plant #1. He added the campus also said that buildings should be situated so that there was only a 10-minute walk between buildings, and the buildings create a park-like atmosphere.

Regent Harris asked what would be done about the parking areas that would be lost.

Director Thompson indicated the university had built a parking area across University Avenue in anticipation that part of the parking lot might be used as a site for the building.

Regent Duchon asked what would be done with the smokestack.

Director Thompson said the university's plan was to take the power plant down.

Vice President Connor said power plant #1 because of its age did contain a large segment of the distribution system of the heat for the campus and for that reason a portion of the plant would have to remain but the smokestack would no longer be needed.

Regent Anderson asked about the timetable.

Director Thompson stated they would be working with the architects and refining the selection of the site within the next two weeks. He indicated they were looking at early fall for acceptance of bids.

Mr. Richey reminded the university the bonds for the construction of the building were scheduled to be sold in December of 1987. He indicated adherence to the schedule was essential due to the tuition replacement appropriation.

President Curris stated he understood the schedule but would love to sell the bonds at this time because the interest rates were known.

#### FINAL REPORTS:

The university submitted a final report on Russell Hall Renovation.

#### SEMI-ANNUAL REPORT ON CAPITAL PROJECT STATUS:

This month, the University of Northern Iowa presented its status report on all ongoing capital projects with budgets over \$250,000. The status report was attached to this month's capital register. The university indicated that eight capital projects with a combined budget of \$22.4 million were underway.

The entire register is on file in the Board Office.

#### MOTION:

Mr. VanGilst moved that the board approve the Register of Capital Improvement Business Transactions as presented. Mrs. Murphy seconded the motion, and it passed unanimously.

**RAZE BUILDINGS.** The Board Office recommended approval of the razing of five farm buildings on the former Heckroth property.

The university purchased this property in May 1986 and indicated that a house, barn, corn crib, garage, and silo were badly deteriorated and did not comply with current building or safety codes. The university indicated that it lacked sufficient funds to renovate these structures into usable

facilities. The corn crib would be maintained on temporary basis to provide short-term storage for university materials.

**MOTION:** Miss VanEkeren moved that the board approve razing of the five farm buildings on the former Heckroth property. Dr. Harris seconded the motion, and it passed unanimously.

**ACADEMIC BUILDING REVENUE REFUNDING BOND RESOLUTION.** The Board Office recommended the board adopt a "Resolution authorizing the executive secretary to fix date or dates for sale of up to \$6,000,000 Academic Building Revenue Refunding Bonds, Series U.N.I. 1986.

The refunding of the University of Northern Iowa Academic Revenue Bond issue is part of an effort to lower present debt service requirements through 1990 and obtain net present value savings.

It is expected that \$6 million would be sufficiently large to refund outstanding principal of \$4.5 million on the UNI bond issue. The original bond issue sold in 1981 at a net interest rate of 9.73 percent. Refunding bonds issued today are expected to sell at a net interest rate of less than 7 percent.

**MOTION:** Mr. Duchon moved that the board adopt a "Resolution authorizing the executive secretary to fix date or dates for sale of up to \$6,000,000 Academic Building Revenue Refunding Bonds, Series U.N.I. 1986. Mr. Greig seconded the motion, and upon the roll being called, the following voted:  
AYE: Anderson, Duchon, Greig, Harris, McDonald, Murphy, VanEkeren, VanGilst.  
NAY: None.  
ABSENT: Tyler.

President McDonald then asked board members and institutional executives if there were additional items to be raised for discussion pertaining to the University of Northern Iowa. There were none.

### IOWA SCHOOL FOR THE DEAF

The following business pertaining to the Iowa School for the Deaf was transacted on Thursday, October 16, 1986.

**REGISTER OF PERSONNEL CHANGES.** The register for the month of September 1986 was approved as part of the consent docket.

**ANNUAL REPORT OF RESIGNATIONS.** The Board Office recommended acceptance of the report of resignations for the 1985-86 fiscal year.

The Iowa School for the Deaf reported a total of seven academic resignations for the 1985-86 school year. These resignations were for a variety of reasons, including acceptance of other positions and personal and family reasons. As shown below, the total number of resignations for 1985-86 was about average for the eight years in which data has been collected on resignations at the school.

#### RESIGNATIONS 1978-79 THROUGH 1985-86 IOWA SCHOOL FOR THE DEAF

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FACULTY RESIGNATIONS			
YEAR	MALE	FEMALE	TOTAL
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1978-79	2	8	10
1979-80	1	4	5
1980-81		3	3
1981-82		2	2
1982-83	3	6	9
1983-84	2	4	6
1984-85		5	5
1985-86	2	5	7

Superintendent Giangreco indicated they had not replaced any of the faculty who had resigned.

**ACTION:**

President McDonald stated the annual report of resignations was accepted by general consent of the board.

IOWA SCHOOL FOR THE DEAF  
October 16, 1986

**REGISTER OF CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS.** The register contained no transactions for the month.

President McDonald then asked board members and institutional executives if there were additional matters to be discussed pertaining to the Iowa School for the Deaf. There were none.

**IOWA BRAILLE AND SIGHT SAVING SCHOOL**

The following business pertaining to the Iowa Braille and Sight Saving School was transacted on Thursday, October 16, 1986.

**REGISTER OF PERSONNEL CHANGES.** Mr. Richey stated the register had not been approved as a part of consent docket so that certain appointments listed on it could be clarified. He noted that, following consultation with the institution, the register was now in order; and he recommended approval.

**ACTION:** President McDonald stated the Register of Personnel Changes for the period August 24 through September 20, 1986, was approved by general consent of the board.

**ANNUAL REPORT OF RESIGNATIONS.** The Board Office recommended acceptance of the annual report of resignations for the 1985-86 academic year.

The Iowa Braille and Sight Saving School reported seven resignations for the 1985-86 academic year. This number represented four more than the previous year. Three of the resignations were for persons accepting other educational positions and two persons left for personal reasons. No information was provided on the others. The number of resignations this year is above average (5.5) for the eight years in which data has been collected.

**RESIGNATIONS 1978-79 THROUGH 1985-86  
IOWA BRAILLE AND SIGHT SAVING SCHOOL**

YEAR	FACULTY RESIGNATIONS		
	MALE	FEMALE	TOTAL
1978-79	2	1	3
1979-80	2	2	4
1980-81	3	9	13
1981-82	1	3	4
1982-83	1	0	1
1983-84	0	4	4
1984-85	1	2	3
1985-86	2	5	7

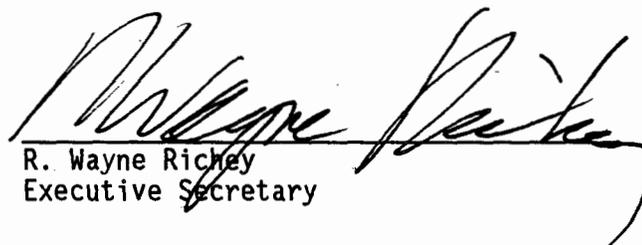
IOWA BRAILLE AND SIGHT SAVING SCHOOL  
October 16, 1986

**ACTION:** President McDonald stated the report of resignations was received by general consent of the board.

**REGISTER OF CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS.** The register contained no transactions for the month.

President McDonald then asked board members and institutional executives if there were additional items to be discussed pertaining to the Iowa Braille and Sight Saving School. There were none.

**ADJOURNMENT.** The meeting of the State Board of Regents adjourned at 10:40 a.m. on Thursday, October 16, 1986.

  
R. Wayne Richey  
Executive Secretary