

The State Board of Regents met on Wednesday, January 11, 1989, at Iowa State University. The following were in attendance:

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Members of the State Board of Regents

Mr. Pomerantz, President	All sessions
Mr. Duchon	All sessions
Mr. Fitzgibbon	All sessions
Mr. Greig	All sessions
Dr. Harris	All sessions
Mr. Tyler	All sessions
Miss VanEkeren	All sessions
Mr. VanGilst	All sessions
Mrs. Williams	All sessions

Office of the State Board of Regents

Mr. Richey	All sessions
Director Barak	All sessions
Director Eisenhauer	All sessions
Director Wright	All sessions
Associate Director Jensen	All sessions
Associate Director Kading	All sessions
Assistant Director Peters	All sessions
Administrative Ass't. Kuntzelman	All sessions
Minutes Secretary Briggie	All sessions

State University of Iowa

President Rawlings	All sessions
Vice President Phillips	All sessions
Acting Vice President Vernon	All sessions
Associate Vice President Small	All sessions
Assistant to President Mears	All sessions
Director Cooper	All sessions

Iowa State University

President Eaton	All sessions
Provost Glick	All sessions
Vice President Madden	All sessions
Vice President Moore	All sessions
Vice President Thielen	All sessions
Treasurer Thompson	All sessions
Director Lentz	All sessions
Director Stanley	All sessions
Assistant to Vice President Pickett	All sessions

University of Northern Iowa

President Curris	All sessions
Provost Martin	All sessions
Vice President Conner	All sessions
Vice President Follon	All sessions
Assistant to President Gadelmann	All sessions
Director Chilcott	All sessions

Iowa School for the Deaf

Superintendent Johnson	All sessions
Business Manager Ahrens	All sessions

Iowa Braille and Sight Saving School

Superintendent Thurman	All sessions
Director Hauser	All sessions

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The following business pertaining to general or miscellaneous business was transacted on Wednesday, January 11, 1989.

APPROVAL OF MINUTES OF BOARD MEETINGS, DECEMBER 12 AND DECEMBER 14-15, 1988.

President Pomerantz asked for corrections, if any, to the Minutes.

ACTION: President Pomerantz stated the Minutes of the December 12 and December 14-15, 1988, meetings were approved by general consent.

REPORT ON ORGANIZATIONAL AUDITS. (a) General Progress Report. The Board Office recommended the Board hear the report on progress of the Organizational Audits by representatives of Peat Marwick Main and Co.

Two final reports for the organizational audits were completed and were on the docket for consideration by the Board. They included the report on the Board of Regents and the Board Office, and a report on Selected Internal Policies and Procedures at the University of Iowa.

President Pomerantz recognized Dr. Alceste Pappas of Peat Marwick Main and Co.

Dr. Pappas stated that she would be reviewing three organizational audit areas: 1) the schedule of reports that will be presented at the Regents' meetings, 2) provide an overview of the Regents' staff audit, and 3) selected internal policies and procedures at the University of Iowa. At the conclusion of this meeting the Board will have received four of the completed organizational audit reports. The bulk of the reports will be generated at the end of January and February; therefore, the February and March Board of Regents meetings will be filled with reports. In February they will review the special schools. In March the primary focus will be on areas of academic program review including potentially redundant programs, the length of time required to complete an undergraduate degree, and a review of faculty workload. In April the Board will be provided with the results of the physical plant study.

Regent Fitzgibbon stated that he personally had a feeling that as important as this is they may be pushing the completion more rapidly than they should. He

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said that if a deadline jeopardizes the integrity of a report it would be a mistake to not take another 30 to 60 days to complete that report. If necessary, he said they should consider a process that makes sure the consultants have ample time to do a thorough job.

President Pomerantz said he agreed that the consultants should not short cut but rather take the time necessary to evaluate and completely discuss the area. However, he said the process has been going on for a year and the consultants should be completing their inquiry.

Dr. Pappas said she felt that all along where they have had concerns about getting data from the campuses they have extended deadlines, when necessary. She said that to this point in time she believes they have been able to do that. She noted that was not to say that it has not been a burden to the campuses because it has. She felt that they have not short changed on the work they have done.

Regent VanGilst said he felt the process could be slowed down to allow the Regents to assimilate the reports.

Regent Fitzgibbon asked if Dr. Pappas were to review deadlines with the institutions and were to find that the time element is a little too tough would she recommend to the Board to delay a report? Dr. Pappas responded that if, in fact, they have ever felt the institutions did not have enough time to provide the consultants with the necessary data they have and will continue to modify work programs and time schedules.

Regent Tyler said that with respect to the report on the Board and the Board Office, they had received substantial information and there was a variance of opinion. He felt there were some things that had to be resolved before there was anything to accept.

Regent Harris said he was pleased to hear Dr. Pappas say that when there were obstacles and more time was needed she had requested that. He noted that he saw a very time-consuming process ahead of the Board in terms of the recommendations for the Board and the Board Office staff.

President Pomerantz said the Board Office and the institutions are too important to be frivolous with how the Board deals with this information. He said it seemed to him that the Board members are going to have to engage in a series of special meetings and to spend perhaps several days in some cases to deal with those issues. He added that he didn't think they were going to resolve conflicts. The Regents' job is to take the suggestions and come up with a process to reflect changes.

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Regent Greig asked President Pomerantz for his plan on dealing with the reports. President Pomerantz suggested they should hold special meetings with one agenda item on the big issues and go through the reports.

Dr. Pappas questioned the involvement of Peat Marwick Main officials at those meetings. President Pomerantz said the consultants have a role and should make a presentation. He said that to the degree that works a hardship the Board would be glad to use teleconferencing.

ACTION: President Pomerantz stated the Board received the report on progress of the Organizational Audits by representatives of Peat Marwick Main and Co. by general consent.

(b) Report on Board and Board Office. The Board Office recommended the Board give preliminary consideration to the findings, conclusions and recommendations contained in the report by Peat Marwick Main and Co. on its organizational review of the Iowa Board of Regents and the Board of Regents Office.

The executive summary in the organizational audit on the Board of Regents and the Board of Regents Office notes that the recommendations seek to focus the Board more on strategic planning and policy development, to streamline the process of Board meetings, to enhance the Board's communication with its constituencies, and to sharpen its public image as the advocate for the Regent institutions.

The recommendations concerning the Board Office focus on its mission and purpose, the organization, reporting relationships and staffing, its role and responsibilities, the management of human resources and work flow, and operations.

Dr. Pappas introduced John Fry of Peat Marwick Main to report on the study of the Board and Board Office.

Mr. Fry stated that the principles involved in this study have experience with other boards. They believe the members of the Board of Regents have begun to involve themselves in very meaningful issues and are asking some very tough, probing questions. He said there are four major thrusts to the report. They individually and collectively need to focus much more on planning and policy development as a governing body. The process for preparing for Board meetings, including docket preparation, needs to be streamlined. Those issues relate to what is provided to the Regents, the number of meetings, the length of meetings and the content. They need to begin to enhance the Board communication with its constituencies. They need to sharpen the image of the Board as an advocate for public higher education in the state. The consultants feel very strongly that the role of the Board needs to be

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governance and accountability. The accountability is to ensure that the leadership of the institutions is being evaluated in terms of their end of the bargain. He said they took considerable time looking at the structure and size of the Board and honestly believe that there should not be any change. At some point the Board may want to revisit that.

Mr. Fry said there are several opportunities to increase the effectiveness of the Board staff. One is the docket process. The other is to upgrade the automated support in the Board Office. Much of the work is done manually. The issue of facilities is another area.

President Pomerantz asked if in their evaluation they did, in fact, evaluate other states' boards. He also asked what some of the bases were for their conclusions.

Mr. Fry said they did do some peer work which included looking at similar structures in 25 states. In every case they verified some of the recommendations they had. He noted that while there are currently many things that are positive there are a number of good ideas out there.

Regent Fitzgibbon suggested that perhaps the consultants minimized one of the important functions of this Board which is the amount of money they deal with. He said they have the largest budgets in the state.

Mr. Fry said they felt that in some cases other types of issues tend to not get as much attention as they might.

Regent Duchen asked if the consultants interviewed any former members of the Board. Mr. Fry said they did not.

Regent Duchen asked why the consultants did not address the qualifications of the Regents. Dr. Pappas stated that the issue of appointment of the Board was not included in the purview of the study because it is out of the hands of the Board. She noted that they did comment on mandatory training of Regents, whether or not they have been on the Board previously.

Regent Williams referred to the following section of the docket memorandum:

The report categorizes the Board's responsibilities into three areas:

a) Core

- Strategic direction for the system
- Institutional strategic plan review and accountability
- Executive appointments
- Major capital projects
- Board/other financial issues
- General Fiduciary responsibilities

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- b) Oversight
 - Institutional budget updates
 - Major academic program changes
 - Approval of institutional calendars
 - Summary report (e.g. Regents Merit System)
 - Summary reports on personnel changes

- c) Delegation
 - Institutional roads and traffic regulations
 - Dormitory management
 - Faculty development leaves

Regent Williams said she thought the function of the Regent institutions was educational and academic.

Mr. Fry said the consultants provided examples of each of the three tiers of responsibility.

Dr. Pappas stated that those were just a few examples. She said that one of the areas they recommended the Board spend more time on is the strategic planning process. She said the Regents seem to spend more time on financial and construction areas because those are the backgrounds the Regents are more comfortable with.

President Pomerantz said it isn't a matter of comfort level because of individual experience. He said that by law they are a governing body and if they start to inject their attitudes into areas of academic freedom there is going to be a conflict. The Regents' responsibility is to select and review the executive officers of the institutions. It is the executive officers' job to deal with academics. He said it is not the role of the Regents to engage in an effort that would impede or conflict with the executive officers' responsibilities in the academic areas.

Mr. Richey said he thought that what Regent Williams was saying is that major academics should listed under core areas.

President Pomerantz said they were referring to strategic planning as an over arching policy. He provided several examples: If the Board says one objective is that the University of Iowa be in the top 10 universities in the nation and if they say that Iowa State University should be the best land grant university in the nation, that denotes policy. But if they start delineating how to do that they are getting into the president's area.

Regent Greig said he agreed with President Pomerantz.

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Regent Fitzgibbon said the overall goal is the responsibility of the Board but how they get there goes back to the institutions.

In regard to the consultant's review of Board Office procedure, Regent Harris asked how far into the past they went in terms of how the procedure worked 2 to 3 years ago and whether they looked at former dockets.

Mr. Fry said they reviewed most of 1987 and the end of 1986. He noted that there were substantial improvements and modifications.

Regent Harris said he thought that the change the consultants were referring to was in terms of the process. He said it is also a matter of space. He said the process since Marvin Pomerantz has been Board President is much more streamlined. The Regents no longer have two docket books to read through. He said that within the past 2 years this process has changed quite a bit.

President Pomerantz reported to the Board the possible relocation of the Board Office to better and more appropriate quarters.

President Pomerantz said they were to the point in this discussion that they needed to schedule a full scale review of the report regarding the Board Office itself. He said that scheduling will take place.

Regent Harris said he hoped that the consultants understood that the Regents are mostly positive about their report.

ACTION: President Pomerantz stated the Board, by general consent, received the findings, conclusions and recommendations contained in the report by Peat, Marwick, Main and Co. on its organizational review of the Iowa Board of Regents and the Board of Regents Office.

(c) Report on Selected Internal Policies and Procedures - University of Iowa.
The Board Office recommended the Board receive the plan for implementing recommendations contained in the Peat Marwick Main & Co. final report of Selected Internal Policies and Procedures at the University of Iowa.

The final report of the University of Iowa Selected Internal Policies and Procedures included an examination of accounting, purchasing, internal audit and utilities functions. Within the accounting function, the study analyzed the cash management, accounts receivable and accounts payable activities of the university.

A Board memorandum dated December 23, 1988, described the study's suggestions for improving procedures, providing more efficient services, reducing costs or generating additional revenue.

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Twenty-five specific recommendations were made in the report. Responses were described in the docket memorandum indicating the university's plan for implementation. The university has already begun implementing many of the recommendations and will be implementing others as soon as possible. A few recommendations need further review with respect to their feasibility and cost benefits.

Dr. Pappas stated that at the time of the review there were a number of issues that the university vice president for finance was taking under consideration. A number of items have already been reviewed and scheduled for implementation during the balance of this academic year.

Vice President Phillips stated that the docket memorandum was a very good summary of the university's responses to the recommendations. She said that out of the 25 recommendations they are doing or have implemented 20 of them. Several have to be reviewed to ensure they can be done at a reasonable cost.

Regent Greig told Vice President Phillips that he appreciated very much the response to the suggestions and that they were very logically laid out.

President Pomerantz stated that the universities cannot deal with several hundred million dollar budgets without adequate accounting systems. He suggested that should be a top priority. There is a recognized need for an accounting system improvement and asked that university officials not get caught up in where the money will come from.

Vice President Phillips stated that is one of the areas where they have to perform a major implementation. University officials recently issued a Request for Proposals to help draft a Request for Proposals for administrative system computer software. They are talking with the other Regent institutions that may want to join in.

Regent Fitzgibbon stated that the Request for Proposals for the software is very important.

President Pomerantz asked that University of Iowa officials bring all the appropriate institutions along.

Director Eisenhower stated that they are making progress in that regard. University of Iowa officials have been the lead in drafting the Request for Proposals. They will include an addendum to add the other Regent institutions. The goal is to have their accounting systems as close to identical as possible.

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Vice President Phillips stated that an interinstitutional committee is moving forward to examine the software Request for Proposals. Additional meetings are planned.

Dr. Pappas said she continues to want to thank everyone because it has been a very intensive effort.

ACTION: President Pomerantz stated the Board, by general consent, received the plan for implementing recommendations contained in the Peat Marwick Main & Co. final report of Selected Internal Policies and Procedures at the University of Iowa.

PRIORITY ISSUES - REPORT ON PRIVATIZATION RULES. The Board Office recommended the Board receive the report of the Priority Committee as presented by Regent Tyler.

An interinstitutional workgroup was formed to review and refine the emergency rules adopted by the Board to implement House File 529. Administrative rules would be drafted based on direction provided by the priority committee for presentation to the Board at the February meeting. The rules will include further definition of allowable exemptions under House File 529.

The workgroup has developed a proposed policy statement including general criteria to be followed in allowing the sale of goods and services:

- (1) The activity is deemed to be an integral part in the fulfillment of the institutions' educational, research, public service and campus support functions, and other educational and support activities;
- (2) the activity is needed to provide an integral good or service at a reasonable price, on reasonable terms, or at a convenient location and time, or the activity provides a good or service which is not reasonably available to the community;
- (3) the activity is carried out for the primary benefit of the campus community and is incidental to the educational, research, and extension mission of the university."

The workgroup recommended an internal review process be established at each institution to determine the applicability of the criteria to specific goods and services.

The appeal process for private businesses established in the emergency rules would be continued. That process encourages resolving the issue at the institutional level but allows for appeal to the Board if the issue cannot be

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resolved through the institution with the assistance of the executive secretary.

The Board Office recommended that the universities annually report to the Board of Regents the results of the internal review process and any appeals during the previous year.

The workgroup asked for further direction from the Priority Committee prior to drafting administrative rules.

Regent Tyler stated that the committee met that morning and received a report from each of the institutions concerning goods and services sold including activities in which they have received complaints. Those areas include computers, book stores and the State Hygienic Laboratory. University officials said they felt the process to implement the law has increased the sensitivity within the university and resulted in curtailment of certain activities. The committee members noted that there will always be areas of conflict. University officials and Board Office staff will continue to develop administrative rules which will include a review and appeal process. They plan to submit the final rules at the February Board meeting.

ACTION: President Pomerantz stated the Board received the report of the Priority Committee as presented by Regent Tyler by general consent.

REPORT OF INTERINSTITUTIONAL COMMITTEE ON EDUCATIONAL COORDINATION. (a)
Discontinuation of Surveying Engineering Program - Iowa State University. The Board Office recommended the Board approve the discontinuance of the curriculum in Surveying Engineering at Iowa State University effective after the completion of the program for any students currently enrolled.

Iowa State University officials requested that the Board approve discontinuance of the curriculum in Surveying Engineering. The program currently has very low enrollment and other alternatives are available for those interested in this field.

Both the Board Office and the Interinstitutional Committee recommended approval of this proposed action.

MOTION: Regent Harris moved to approve the discontinuance of the curriculum in Surveying Engineering at Iowa State University effective after the completion of the program for any students currently enrolled. Regent Greig seconded the motion.

Regent VanEkeren stated that university officials made a point of mentioning that the students were cautioned when they enrolled in this program that it

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may be discontinued. She asked if the students would be allowed to finish the program.

Vice President Martin stated that it is standard operating procedure when a program is to be terminated to ensure that the students currently enrolled in the program are allowed to finish the program.

VOTE ON THE MOTION: The motion carried unanimously.

(b) Discontinuation of Community Nutrition Program - Iowa State University.

The Board Office recommended the Board approve the discontinuance of the curriculum in Community Nutrition -- Food and Nutrition at Iowa State University effective after the completion of the program of study for students currently enrolled (if any) in this program.

Iowa State University officials requested that the curriculum in Community Nutrition be discontinued. The proposed action would make the program consistent with national trends. The program currently has very low enrollment.

Both the Interinstitutional Committee and the Board Office recommended that the requested discontinuance be approved.

MOTION: Regent Greig moved to approve the discontinuance of the curriculum in Community Nutrition -- Food and Nutrition at Iowa State University effective after the completion of the program of study for students currently enrolled (if any) in this program. Regent Williams seconded the motion, and it carried unanimously.

(c) Name Change - University of Northern Iowa. The Board Office recommended the Board approve the proposed request to change the name of the Department of Information Management to the Department of Finance at the University of Northern Iowa.

In December, the University of Northern Iowa requested approval to change the name of the Department of Information Management to the Department of Finance. Under the proposed change, some faculty members will switch department affiliation to yield a more symmetrical and functional pattern of programs and faculty affiliation.

According to the university, there are no new programmatic or budgetary implications in this proposal.

The Interinstitutional Committee on Educational Coordination and the Board Office recommended approval of this change.

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MOTION: Regent Fitzgibbon moved to approve the proposed request to change the name of the Department of Information Management to the Department of Finance at the University of Northern Iowa. Regent VanEkeren seconded the motion, and it carried unanimously.

(d) Change in Titles for Four Programs - Iowa State University. The Board Office recommended the Board approve the following Iowa State University curriculum/major title changes:

1. Curriculum in Occupational and Traffic Safety Education to Occupational Safety.
2. Curriculum in Adult Home Economics Education to Education Services in Family and Consumer Sciences.
3. Graduate major in Agricultural Climatology to Agricultural Meteorology.

Iowa State University officials requested three curriculum/major title changes, as noted above. In each case, the revised titles are more reflective of the programs offered and trends in the field.

The Interinstitutional Committee on Educational Coordination and the Board Office recommended approval of the proposed changes.

MOTION: Regent Williams moved to approve the Iowa State University curriculum/major title changes, as presented. Regent Harris seconded the motion, and it carried unanimously.

REPORT ON IOWA COORDINATING COUNCIL FOR POST-HIGH SCHOOL EDUCATION. The Board Office recommended the Board receive the report of the January meeting of the Iowa Coordinating Council for Post-High School Education.

The Coordinating Council held an extensive discussion of the recommendation made by Peat Marwick Main for establishment of an Iowa Postsecondary Education Strategic Planning Council and implications of the recommendation for the role of the Iowa Coordinating Council.

Regent VanGilst referred to the presentation by Dr. Robert Berdahl. He said that at a round table discussion Dr. Berdahl got the members to participate.

Regent Williams stated that the Council members held extensive discussion about the recommendation concerning the establishment of an Iowa Postsecondary

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Education Strategic Planning Council as it concerns the future of the Iowa Coordinating Council for Post-High School Education.

Regent Fitzgibbon asked for the number of members of the Coordinating Council. Regent Williams said there are 21. The chairperson is Michael Ferrari, President of Drake University.

President Pomerantz stated that no one on the Board of Regents suggests in any way that the Coordinating Council will be replaced. He said what is evolving is a council that will counsel and advise the Governor and the legislature.

Regent Greig noted that in the context of the Council's discussion was the possibility that part of the duties of the Coordinating Council would be shifted.

Regent Williams stated that the person-to-person aspect of the Council has been extremely valuable. She said the Council does not fulfill the four different types of functions listed by the consultant. She said the Council does not have advisory capacity.

President Pomerantz said the Council members discuss the areas where it is possible to have cooperation and not competition. He noted that there is no resolution to the areas of competition except there is discussion among the various sectors.

ACTION: President Pomerantz stated the Board received the report of the January meeting of the Iowa Coordinating Council for Post-High School Education by general consent.

At this point in the meeting the following State Board of Education members and their staff joined the meeting:

State Board of Education

Karen Goodenow
Dianne Paca
Betty Dexter
Thomas Glenn
Francis Kenkel
Ron McGauvran
Ann Wickman
George (Pick) Wilson
Mary Robinson

State Board of Education Staff

William Lepley
Mavis Kelley
Sue Donielson
Ted Stilwill
David Bechtel
Bob Yeager
Charles Moench

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JOINT MEETING WITH STATE BOARD OF EDUCATION. The Board Office recommended the Board receive the report on long-range planning activities at the Regent institutions.

President Pomerantz stated he was very privileged to be a part of this historic meeting. He said it was the first such meeting in 11 years. He recognized Karen Goodenow, President of the State Board of Education.

Ms. Goodenow said that those present have collectively many years of experience in the field of education. She referred to her longevity on the Board of Education and said she has gained a great deal of experience over the last 11 years. She said that in the past the Board of Education and the Board of Regents have spent much time making important decisions within their own sectors. In today's environment she felt they cannot segment those responsibilities. They all have mutual interests and concerns. Given the emphasis on the current statewide study of post-secondary education, they were meeting together to learn more about what each other is doing. Some of the plans should include plans for the next century. Their responsibilities are quite different. That requires them to use different approaches. In the same respect they enjoy a very unique working relationship. This process involves both of the state boards in the review and approval of community colleges. It is also helpful in the transfer of students. She said they are pleased with the statewide system of area colleges. Those colleges provide a comprehensive curriculum which includes programs for students attending local school districts.

Ms. Goodenow said situations and times change. They need to review their missions and goals. She said that in looking to the future they intend to utilize the results of the two studies. These two studies provide significant resources. They also intend to develop a structure to deal with significant issues as they arise.

Ms. Goodenow stated that at their July meeting when the Governor announced the statewide study of post-secondary education, Marvin Pomerantz spoke about the people of Iowa deserving better. She said they were there because they believe they can make a difference. She thanked everyone for their commitment to that goal.

President Pomerantz stated there are many areas in which the two boards need to collaborate and cooperate. He said the Board of Regents is currently engaged in activities to help them to become more efficient. They have initiated an extensive organizational audit consisting of 34 separate studies. A particularly important area relates to strategic planning. They want to have an integrated strategic planning process. Twenty-three of the studies concern the institutions covering such areas as organizational structure, performance evaluations and faculty work load. President Pomerantz said the second major thrust of the Board concerns its priority issues. They are looking at issues such as recruitment of minorities. He said the Regents are

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well into the process of addressing these issues and are "coming down the stretch".

President Pomerantz asked for comments from Dr. Lepley and Mr. Richey.

Dr. Lepley added his support for this historic meeting. He said the two boards have a long-term relationship. Taking an in-depth look at higher education will benefit students and the state. He has a commitment to strengthening the accountability of the community college system. They will be looking at new missions in the future. Dr. Lepley has spent the past year visiting extensively regarding community colleges' strengths and concerns both financial and geographic. He said he believed the Board of Education has a strong commitment to making the community college system work. He will be presenting to the Board of Education in February or March a planning and decision-making model for the community college system. They are currently working to define how that will work.

Dr. Lepley said he has met with the community college presidents and trustees and requested authority to create a division head position to work with the community colleges. That administrator will report directly to Dr. Lepley.

Dr. Lepley said he appreciated the opportunity to be at this meeting and suggested this ought to be the first of several meetings in the future.

Mr. Richey stated that one of the most important initiatives of the Board of Regents is in the area of effective comprehensive integrated strategic planning. The Board will have a more considered and deliberate process on where to go, how to get there and how long it will take. The end product will be that programmatic and budget decisions will reflect overall goals. The end result will come about the end of this year. Individual institutional planning processes will be coming in to the Board next summer from Iowa State University and University of Northern Iowa, and from the University of Iowa late this year. They will then integrate all of that with an overall Board of Regents plan. That plan will have special emphasis on undergraduate education and on academic advising.

Mr. Richey stated that he has enjoyed very much this past year's association with Dr. Lepley. They developed a consultative relationship. That kind of activity will go a long way toward more effective coordination.

President Pomerantz recognized Charles Moench from the Department of Education to address articulation agreements.

Mr. Moench said there has been much articulation between the two public sectors. There is a long history of cooperation between the two- and four-year institutions. Since the development of the area colleges there has been a very unique process in Iowa for joint approval of our area colleges. That process has been extremely helpful and beneficial to the students coming from

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two-year colleges and transferring to four-year Regent universities. He said the process they are using for approval of the area colleges involves staff of the Department of Education and staff of the Board of Regents. They work with the Regent Committee on Educational Relations to administer the annual and team visits.

Mr. Moench said they identified some problems early after the development of the institutions. They found they were not always able to reach resolution as quickly as perhaps they should and needed some people who are involved in the actual transfer of students. As a result, a unique committee was established consisting of 6 individuals. This committee has been very successful in dealing with many of the articulation problems. It has assisted in achieving goals such as a statewide articulation agreement.

Mr. Moench stated that the area colleges have well over 150 different types of full-time occupational programs. If students are later interested in pursuing their education school officials hope they will receive some credit when they transfer to Regent universities. They found they were experiencing some difficulties in this area. The Regent institutional officials said that if the area colleges would identify specific courses the students could transfer into the universities' own associate programs. In most cases the Regent universities have accepted the area colleges' associate degrees if they are appropriately identified. Mr. Moench said that was a very significant achievement and one that has been very helpful to students.

Provost Glick stated that Iowa State University faculty would present some of the efforts ongoing by the College of Education faculty to work with local schools in the state. He noted that they don't see this as a unique responsibility of the College of Education. A university-wide committee was established to coordinate work with the public schools. They offer advance courses for high school students in the Des Moines area. There is a committee for women in science and engineering. Six hundred women from grades 6 through 12 have participated. They offer special workshops for K-3 teachers for paid summer internships. He said a variety of other efforts are occurring including a drive to revitalize the teaching of calculus in high school.

Provost Glick introduced Dr. Mary Hoy, Dr. Thomas Weible and Dr. Larry Ebberts to make individual presentations.

Dr. Hoy stated that it was her privilege to talk about the Teachers on Television effort. This program began 7 years ago in the College of Education and involves collaboration with public schools in central Iowa. Currently five public schools and 20 teachers are participating. This collaborative effort was recognized by the Association of Teacher Education.

The Teachers on Television program makes available live microwave broadcasts of actual classroom experiences. It brings live to the campus the signal from the every day classroom. They can see what the teacher is doing and the

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children as they interact. It has given the university students an opportunity to observe exemplary teachers. Each teacher broadcasts for 5 consecutive days. The university students are able to interact as they observe and not interrupt the classroom. Dr. Hoy said the teachers on television are essentially part of the faculty at Iowa State University so they have effectively expanded their teacher education faculty by 20.

Dr. Hoy said one teacher put three live parent/teacher conferences on television. Some teachers have volunteered to broadcast the very first day of school. She said they were recently notified that together with the public schools they have had a grant funded that will further refine this project. University officials are also building upon their tradition of providing in-service. They are planning several packages to provide in-service via Teachers on Television. Dr. Hoy added that satellite uplink of live broadcasts or video tapes from a variety of school classroom settings are provided to seven teacher preparation institutions across the country.

Dr. Weible stated that he would address three activities: 1) Electronic Education Exchange, 2) the Quality Circles Approach and 3) the King-Perkins School Project. EEE is designed to facilitate communication between and among student teachers, first-year teachers, experienced teachers and Iowa State University faculty. Using microcomputers and an "800" number they send messages to all users in the system. It provides student teachers access to experienced educators. There are 177 users on the system. Two are former Iowa teachers of the year.

Another collaborative effort, the Quality Circles Approach for professional development of teachers, involves Heartland Area Education Agency and public school teachers. First-year teachers benefit from idea-sharing sessions with other first-year teachers as well as mentor relationships with other professionals.

Through the Scientist-in-Residence program, which is part of the King-Perkins project, six Iowa State University faculty members take their "magical" science lessons to the elementary school students. University and school officials have formed that partnership to bolster science studies in the elementary school. The project began last summer with about 10 second through fifth graders traveling to the university campus several times for hands-on studies in math and science.

Dr. Ebbers presented information on the collaborative relationships between educational administration section and Iowa schools. He said that as a land-grant institution Iowa State University has a responsibility to enhance the quality of life for Iowa citizens. The College of Education and its educational administration program are committed to conducting research and providing services that promote leadership and productivity in Iowa schools. Activities in five areas describe the thrust of services delivered in recent years: 1) Electronic Education Exchange, 2) School Improvement Model 3) I-

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LEAD, 4) Cooperative Learning and 5) other collaborative thrusts. During the past year contact occurred with 200 Iowa school districts. Some of the activities are designed to reduce the sense of isolation experienced by first-year teachers. I-LEAD is a federally-funded project designed to enhance school leadership in Iowa. It represents a consortium of 9 educational agencies in Iowa. Its major role is to encourage communication and coordination between the agencies. Other activities include a business/industry liaison and pre-student teaching, math tutoring, athletic training and tutoring Muskogee Indians.

Mr. Glenn referred to the I-LEAD project and asked why the Iowa State Education Association (ISEA) was not listed as being involved in that.

Dr. Lepley said the ISEA is a member of that board. There has also been a close linkage with several business and industry groups.

Ms. Wickman asked about the amount of coordination, cooperation and cross use among the various institutions concerning telecommunications. Provost Glick stated that the Regent institutional officials are in the process of developing a telecommunications policy statement that will address the issue of cooperation. He said the three Regent universities are working together and with Dr. Lepley's staff.

Regent Tyler stated that there is a Regent priority issue committee established to address that issue.

Ms. Robinson asked for the status of the 10-year goal to attempt to develop ways to get more women and minorities into administrative positions.

Dean Lagomarcino said that was a constant concern of institutional officials. He said the Iowa State University College of Education probably leads the university in terms of that kind of activity both at the graduate student level and the faculty members. He said the committee that he chaired on teacher preparation gave special attention to that issue.

Dr. Edwards said there are 12 minority students enrolled in Ph.D. programs and approximately half of those students are women.

Vice President Martin said the Regent universities have very ambitious programs in that respect. Their goal of eight percent minority student enrollment speaks substantially to that issue. Those programs are underway and there will be a report to the Board in the near future. He noted that the University of Northern Iowa has a program for the identification of teachers at a very early age.

Ms. Robinson said she appreciated the comments. She noted that she had recently looked at a study that showed that Black faculty members are declining, Hispanic faculty members are declining, and Asian faculty members

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are increasing. She asked that university officials keep that uppermost in their minds. She said it seemed that where there have been advances and gains is in the non-tenure track positions.

President Pomerantz stated that minority recruitment has been an ongoing issue with the Board of Regents. That message has been carried forward in the recruiting of leadership for the universities.

Regent Harris stated that at the University of Iowa there is a plan to announce during televised basketball games that the university is strongly dedicated to increasing its minority enrollment and the number of faculty members. He said the plan is to not only emphasize to youngsters and parents that they welcome minorities but also to point out that they have in place programs that virtually guarantee that the students will graduate. He said that if the universities are to be successful in this venture it will take a significant effort from the Black community. University officials have tried to involve Black ministers, parents and friends in seeing that more minority move into the area of education.

Associate Vice President Small stated that the crucial role of the minority faculty is to encourage minority students to go on to the doctorate level. She noted that Vice President Hubbard is putting together a program of faculty mentors.

Regent Williams stated that another area of focus is the hiring and retaining of women administrators. She said all sectors of education need to support each other in every possible way. She suggested they should do an evaluation of the school climate for women and minorities.

Mr. Wilson referred to the post-secondary education study. He said there are great expectations about this report and what follows. He told Dr. Lepley and Mr. Richey that the board members need to know specifically the dates the critical elements will be addressed. He said much is going to be going on in the future. As policy makers he felt they should have a general discussion as relates to time schedules so that not only do they have expectations but also the public will know what actions are being taken.

President Pomerantz said they have all signed onto participation in an over-arching mission that deals with long-range planning in order to eliminate, to an acceptable level, redundancy. He said that if they don't do that themselves the post-secondary education planning council will make a recommendation to the Governor and legislature to do just that. He said they need to sit down and talk about the gray areas in regard to area college administration and governance, and the Regent administration and governance. Where they go from here is a question of how often they have this kind of meeting. He said the Regents have established an on-going committee, the Regent Committee on Educational Relations, to essentially create close relationships with high schools in the state. He said the Regents would be

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happy to invite Dr. Lepley to be an ex-officio member of that committee. He felt that over time they would find areas of cooperation and coordination.

Dr. Lepley stated that Mr. Richey and he have talked about getting together to examine information exchanges. They will take proposed policies to their boards. He said that once they get the official statewide report it will be easier for the two of them to do that.

Mr. Richey stated that questions relative to the post-secondary education planning council will have to be answered by the Governor and the members of that council once it is established.

Mr. Glenn asked if there were any efforts to work with the registered apprenticeship programs for credit toward an Associate of Arts degree. Mr. Moench said there are some limited agreements right now. One of the things the Association of Community College trustees is doing is precisely that.

Ms. Robinson asked if there were any plans to enlarge the King-Perkins project to other schools. Regent Harris said there is a similar project between the University of Northern Iowa and the Waterloo school system. Dr. Weible said they hope to continue the King-Perkins project on an on-going basis. This is the first go-around and if successful it certainly could be expanded.

Ms. Goodenow stated that lots of changes are happening. Traditional boundaries are breaking down. Education is life-long learning. What they are doing here is the first step of what has to happen.

President Pomerantz expressed the Board of Regents' appreciation to the State Board of Education for the meeting. He suggested that perhaps they would do it again soon.

ACTION: President Pomerantz stated the Board received the report on long-range planning activities at the Regent institutions by general consent.

REPORT ON GOVERNOR'S BUDGET RECOMMENDATIONS AND LEGISLATIVE ACTIVITIES. The Board Office recommended the Board receive the legislative report and an oral report to be presented at the Board meeting.

The 73rd General Assembly convened on January 9, 1989. The Governor will deliver his Condition of the State address at 6:30 p.m. on Tuesday, January 10, 1989. The supporting budget recommendations will be released Friday, January 13, 1989.

The Education Appropriations Subcommittee has requested the Executive Secretary to summarize the Board of Regents budget request on January 24, 1989.

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Associate Director Kading distributed a summary report on the Governor's Condition of the State message. She said that in regard to education the Governor mentioned building on Iowa's strengths including the goal of making Iowa among the leaders in agriculture research by 1992; establishing an Iowa Science and Technology Foundation to move research from the laboratory to the work place; an emphasis on pharmaceutical manufacturing building off the strength of the College of Pharmacy's FDA-approved pharmaceutical laboratories and proposed research park at the University of Iowa; "Education is a cornerstone of our economic development strategy"; and, the focus of the state universities should be undergraduate education, investing in research and increasing faculty salaries. She said more will be available on Friday, January 13, when the Governor's budget is released.

Mr. Richey informed the Regents that they will begin receiving periodic reports between Board meetings concerning legislative happenings.

ACTION: President Pomerantz stated the Board received the legislative report by general consent.

REPORT OF REGENTS BANKING COMMITTEE. The Board Office recommended the Board receive the report of the Regents Banking Committee and take action on appropriate items.

Regent Fitzgibbon, chairperson of the Banking Committee, stated the committee met that morning and received the monthly investment and cash management reports. The committee took action to approve:

A Resolution authorizing proceeding with the issuance of up to \$9,000,000 in aggregate principal amount of Academic Building Revenue Bonds (Iowa College Savings Program), Series S.U.I. 1989, and authorizing the Executive Secretary to approve certain terms and conditions relating to the structure and marketing of the Bonds.

MOTION: Regent Fitzgibbon moved to approve the Resolution, as presented. Regent Tyler seconded the motion, and it carried unanimously.

Regent Fitzgibbon stated the committee authorized the Executive Secretary to approve a Risk Management Consulting Agreement in accordance with Board action in December.

MOTION: Regent Harris moved to authorize the Executive Secretary to approve a Risk Management Consulting Agreement in accordance with Board action in December. Regent

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VanEkeren seconded the motion, and it carried unanimously.

Regent Fitzgibbon stated the committee members discussed a policy statement for the Regents Procedural Guide requiring audit comments and proposed institutional responses to be developed in consultation with the Board Office, with the Executive Secretary approving audit responses before they are submitted to the State Auditor.

The proposed policy statement for the Procedural Guide is as follows:

Regent institutions will transmit copies of all draft state audit comments and recommendations received to the Board Office. Proposed institutional responses to state audit comments and recommendations will be developed by the institutions in consultation with the Board Office. The proposed responses must be approved by the Executive Secretary before they are submitted to the State Auditor's Office.

MOTION: Regent Fitzgibbon moved to approve the policy statement, as presented. Regent Williams seconded the motion, and it carried unanimously.

PROPOSED AGREEMENT ON TECHNOLOGY TRANSFER. The Board Office recommended the Board approve the Technology Transfer Agreement between the Iowa Department of Economic Development and the Board of Regents pursuant to Chapter 28E of the Iowa Code.

The purpose of the Agreement is to coordinate and facilitate the activities of university research consortiums in accordance with Senate File 2328 of the 72nd General Assembly. The Agreement was developed in cooperation with the universities, the Department of Economic Development, interested legislators and the Board Office. The goal of the initiative is to seek the maximum cooperation of research, technology transfer and marketing activities between the universities, the Department of Economic Development and private industry.

Director Eisenhower stated this was not a new subject to the Regents. The three state universities are establishing a consortium at each university for the purpose of coordinating basic and applied research. In November the Board approved the concept. In December it approved the individual consortia. This month the Board was asked to approve an intergovernmental agreement. The agreement is scheduled to be on the agenda of the Economic Development Board on January 22, 1989.

MOTION: Regent Williams moved to approve the Technology Transfer Agreement between the Iowa Department of Economic Development and the Board of Regents pursuant to Chapter 28E

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of the Iowa Code. Regent Harris seconded the motion, and it carried unanimously.

REVISIONS TO BOARD OF REGENTS PROCEDURAL GUIDE. The Board Office recommended that the Board approve revisions in the BOARD OF REGENTS PROCEDURAL GUIDE as follows:

add to Section 7.10 Property, B. Lease of Property , a new paragraph --

When the board is the landlord in a farm lease, the lease shall terminate on March 1 of a calendar year. The institution for whose benefit the lease exists is responsible for providing the tenant with a Notice of Termination by certified mail on or before September 1 of the year prior to the year of the lease termination. A copy of the Notice of Termination shall be provided to the Board Office. If a farm manager is used by the institution, the contract with the farm manager shall provide that the farm manager will send the Notice of Termination and shall provide the institution and the Board Office with copies of the Notice of Termination. (Code, 562.6 and 562.7)

add to Section 8.04 Competitive Conditions, B. Bidding..., a new paragraph --

6. Should a buyer recommend an award to other than the low compliant and responsible bidder, a review of the recommendation shall be conducted by the purchasing director. It shall be the responsibility of the chief business officer to monitor the low bid rejections.

The addition to Section 7.10 B of the Procedural Guide will notify the institutions and farm managers of the statutory requirements for Notice of Termination in tenant farm leases.

The addition to Section 8.04 B.6 of the Procedural Guide identifies the procedure to be used by an institution in rejecting a low compliant and responsible bidder.

Director Wright stated that one of the institutions, Iowa State University, has some difficulty in implementing the tenant farm rule. Because of the research use of some farms other dates may be needed for termination. University officials indicated they will bring exceptions to the Board's attention.

Regent Fitzgibbon asked what the policy in farm management is regarding retaining a farm manager. Director Wright stated that only one of the institutions, University of Iowa, has a farm manager. That manager is Banks of Iowa. They have had a contract with the university for many years. University officials continue to be satisfied with that arrangement.

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MOTION: Regent Tyler moved to approve revisions in the BOARD OF REGENTS PROCEDURAL GUIDE, as presented. Regent Harris seconded the motion, and it carried unanimously.

CONSENT ITEMS. The items on the consent docket appear in the appropriate sections of these Minutes and were approved by general consent of the Board.

Regent Greig stated that retirements of professors do not routinely come to the attention of the Board. However, he recently became aware of the fact that one of the Iowa State University professors in animal science, James Kiser, is going into mandatory retirement. He noted that Professor Kiser came up through the cavalry and played polo in northwest Iowa. He asked that university officials convey to the Professor that the Regents are glad to see him retire for his own sake, and that his past students still appreciate all his efforts.

NEXT MEETINGS SCHEDULE. The Board Office recommended the Board review the next meetings schedule.

February 15-16	Marriott Hotel	Des Moines
March 15-16	Iowa School for the Deaf	Council Bluffs
April 12	University of Iowa	City
April 13	Iowa Braille and Sight Saving School	Vinton
May 24-25	Best Western Country Squire	Atlantic
June 21-22	University of Northern Iowa	Cedar Falls
July 25-26	Village West Inn	Okoboji
August	NO MEETING	
September 20-21	Iowa State University	Ames
October 18-19	University of Iowa	Iowa City
November 15-16	University of Northern Iowa	Cedar Falls
December 13-14	(To Be Designated)	Des Moines

ACTION: President Pomerantz stated the meetings schedule was received by general consent.

President Pomerantz then asked Board members and institutional executives if there were additional general or miscellaneous items for discussion.

Regent Fitzgibbon suggested that at the next Board meeting the universities give 15 to 20 minute presentations on marketing and student recruitment. He asked that it be put on the agenda and that they start with the University of Iowa.

Regent Williams asked that they also talk about minority faculty and staff recruitment and retention.

President Rawlings stated the University of Iowa would present such a report.

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Regent Greig suggested that the Board could meet at the Scheman Continuing Education Building for the special meetings to discuss organizational audit reports.

STATE UNIVERSITY OF IOWA

The following business pertaining to the State University of Iowa was transacted on Wednesday, January 11, 1989.

President Rawlings introduced J. Patrick Grady, the university's newly-appointed legislative liaison.

REGISTER OF PERSONNEL CHANGES. The Board Office recommended the Board approve the Register for the month of November 1988.

ACTION: President Pomerantz stated that Board approved the personnel register as a consent item.

FACULTY DEVELOPMENT ASSIGNMENT REQUESTS FOR 1989-90. The Board Office recommended the Board approve the faculty developmental assignments for the University of Iowa for the 1989-90 academic year.

The University of Iowa submitted its request for faculty developmental assignments for the 1989-90 academic year. These assignments are intended to provide opportunities for faculty to undertake approved programs of study, research or other professional activities which, in the judgment of the Board, will contribute to the improvement of the university.

The university requested approval of developmental assignments for 135 faculty members. All of the assignments are for one semester. The total number of developmental assignments requested this year has increased from previous years. This total includes seven new faculty scholars and thirteen continuing faculty scholars. The faculty scholars program provides for faculty developmental assignments in each of three consecutive years and is intended to provide opportunities for faculty in relatively early stages in their careers.

The estimated net replacement cost is \$205,500 or an average of \$1,522. In the latest report on actual costs the net replacement cost was \$132,396 or an average of \$1,595. These costs appear to be much lower than those at the University of Northern Iowa and Iowa State University.

Vice President Vernon stated that university officials moved to a system one to two years ago in which faculty become eligible for developmental assignment after 3 years of employment. University officials feel the program is working very well. He noted that they use their faculty development assignment policy as a recruiting device.

MOTION: Regent Duchen moved to approve the faculty developmental assignments for the University of Iowa for the 1989-90 academic year. Regent Harris seconded the motion, and it carried unanimously.

FACULTY DEVELOPMENT ASSIGNMENT REPORTS FOR 1987-88. The Board Office recommended the Board receive the report on faculty developmental assignments during 1987-88 at the University of Iowa.

The University of Iowa reported on its faculty developmental assignments during 1987-88. Each faculty member was on leave with pay for one semester. The university reported that the actual net replacement cost was \$132,396, compared with the original estimated replacement cost of \$148,150. It was noted that out of the original number of leaves requested for 1987-88, four faculty members deferred the 1986-87 developmental assignments until 1987-88. In addition, ten faculty members declined their 1987-88 developmental assignments for various reasons.

ACTION: President Pomerantz stated the Board received the report on faculty developmental assignments during 1987-88 at the University of Iowa by general consent.

TERMINATION OF M.S. DEGREE PROGRAM IN OTOLARYNGOLOGY - HEAD AND NECK SURGERY. The Board Office recommended the Board refer this request to the Interinstitutional Committee on Educational Coordination and the Board Office for review and recommendation.

The University of Iowa requested the termination of the Master of Science Degree Program in Otolaryngology-Head and Neck Surgery. Enrollment in this degree program has been low and the program no longer plays a major role in the department in which it is housed.

ACTION: President Pomerantz stated the Board referred this request to the Interinstitutional Committee on Educational Coordination and the Board Office for review and recommendation by general consent.

REGISTER OF CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS. The Board Office recommended the Board approve the university's capital register.

PROJECT DESCRIPTIONS AND BUDGETS

The university submitted seven new projects for approval by the Board.

University Hospitals and Clinics--Positron Emission
Tomography Imaging Center \$956,000
Source of Funds: University Hospital Building Usage Funds

Preliminary Budget

Construction	\$800,000
Contingency	80,000
Architectural/Engineering Support	52,000
Planning and Supervision	<u>24,000</u>
 TOTAL	 \$956,000

This project involves finishing approximately 5,000 square feet of shelled-in space on the basement level of the soon-to-be-completed Psychiatric Pavilion Clinic Wing. This space will be developed to house a Positron Emission Tomography (PET) Imaging Center that will include a PET scanning system, medical cyclotron, chemistry and physics laboratories, computer processing, and other functions required to support this new PET clinical research and diagnostic imaging capability.

PET scanning is an emerging diagnostic imaging modality that has the potential to become a major tool in the diagnosis of disease and the selection and monitoring of appropriate treatment modalities. Although to date PET has been primarily utilized for basic and clinical research, it has already been shown to offer significant clinical benefit over imaging via magnetic resonance and computed tomography in the early diagnosis of heart disease and certain neuropsychiatric disorders. The technology for the PET Imaging Center will be made possible through a joint financial effort by the Hospitals and Clinics and the university to develop a multi-disciplinary research and diagnostic imaging center.

The University of Iowa Hospitals and Clinics also requested approval of the University Architectural/Engineering Services as inspection supervisor.

Currier Hall--Primary Electrical Service \$632,000
Source of Funds: Dormitory Reserve Fund \$528,000
Utility Enterprise Improvement
Reserves \$104,000

Preliminary Budget

Construction	\$211,000
Equipment and Materials	335,000
Engineering and Administration	32,000
Contingency	<u>54,000</u>
 TOTAL	 \$632,000

This project involves replacement of the primary electrical load center for Currier Hall with service provided from the 15 KV distribution system. The project will include the construction of a below-grade electrical vault on the south side of Currier Hall and new primary feed service to Currier Hall from the North Chiller Plant.

University Hospitals and Clinics--General Hospital
Elevator Replacement--Phase II \$575,000
Source of Funds: University Hospital Building Usage Funds

Preliminary Budget

Construction	\$460,000
Contingency	46,000
Engineering Support	46,000
Planning and Supervision	<u>23,000</u>
 TOTAL	 \$575,000

This project replaces antiquated controls and generators in six 1928 General Hospital passenger and stretcher elevators, and also equips these elevators with handicapped and safety features. Completion of the project will result in improved reliability and performance, will bring the elevators into compliance with current handicap codes and will enhance the appearance of the elevators.

The University of Iowa Hospitals and Clinics also requested approval of the University Architectural/Engineering Services as inspection supervisor.

University Hospitals and Clinics--Medical Records Office
and Record Storage Consolidation--Phase V of Consolidated
Material Distribution System \$519,895
Source of Funds: University Hospital Building Usage Funds

Preliminary Budget

Construction	\$435,060
Contingency	43,505
Architectural/Engineering Support	28,280
Planning and Supervision	<u>13,050</u>
 TOTAL	 \$519,895

This project represents the fourth phase of the University Hospitals' multi-phased Consolidated Material Distribution System project for which the Board approved the project program in September 1986. The project involves finishing approximately 8,500 gross square feet of shelled-in space located on

the second floor of the soon-to-be-completed Shipping and Receiving Facility. Finishing this space will permit the consolidation of the Department of Medical Records office and in-house record storage functions which are now located in several hospital and off-site locations. The project will also create a secure drug storage area for the Department of Pharmacy to permit compliance with state and federal regulations concerning controlled substance storage.

The University of Iowa Hospitals and Clinics also requested approval of the University Architectural/Engineering Services as inspection supervisor.

University Hospitals and Clinics--Electrical Power Monitoring System \$298,500

Source of Funds: University Hospital Building Usage Funds

Preliminary Budget

Construction	\$235,000
Contingency	23,500
Engineering Support	25,800
Planning and Supervision	<u>14,200</u>
 TOTAL	 \$298,500

This project consists of the installation of telemetry sensors on all electrical feeder panels, main breakers and other electrical power sources throughout the Hospitals and Clinics complex. These sensors will be tied to a monitor system that indicates the power consumption status at any given time. In the event of failure of power supply, the monitoring system will alarm and pinpoint the exact fault location by feeder/panel or source. This on-line system will minimize power outages by initiating alarms of overload conditions. Additional information pertaining to system loading, energy consumption, load balancing, and other related measures will serve as a basis for energy conservation projects.

The University of Iowa Hospitals and Clinics also requested approval of the University Architectural/Engineering Services as inspection supervisor.

University Hospitals and Clinics--General Hospital Fire Protection System Enhancements \$286,000

Source of Funds: University Hospital Building Usage Funds

Preliminary Budget

Construction	\$230,000
Contingency	23,000
Engineering Support	19,000
Planning and Supervision	<u>14,000</u>
TOTAL	\$286,000

This project consists of expansion and modification of the existing 1928-vintage General Hospital fire protection system consisting of main fire risers, hose cabinets, and pumps to comply with current National Fire Protection Association regulations. The specific work included in this project is installation of additional stand pipes, risers, pumps, and hose cabinets. The buildings included will be the original General Hospital and the Southwest and Southeast wings to the General Hospital. Completion of this project will address a 1984 State Fire Marshal citation.

The University of Iowa Hospitals and Clinics also requested approval of the University Architectural/Engineering Services as inspection supervisor.

University Hospitals and Clinics--Replacement of
Obsolete HVAC Controls

\$232,000

Source of Funds: University Hospital Building Usage Funds

Preliminary Budget

Construction	\$185,000
Contingency	18,500
Engineering Support	18,500
Planning and Supervision	<u>10,000</u>
TOTAL	\$232,000

This project provides for the replacement of 18 obsolete HVAC control panels in the original General Hospital and adjacent Boyd Tower. The work to be accomplished includes electrical, HVAC control programming and equipment installation. Completion of this project will result in an up-to-date, energy efficient HVAC control system. Comfort conditions and operating efficiency will be greatly enhanced. More comprehensive historical records of the system operations will be maintained, reducing operating and maintenance costs.

The University of Iowa Hospitals and Clinics also requested approval of the University Architectural/Engineering Services as inspection supervisor.

Stadium Drive, Hawkins Drive and Intersection Improvements \$150,000

This project includes removal and replacement of sections of concrete pavement, patching and crack filling of deteriorated areas, and an application of an asphaltic overlay on both Stadium Drive and Hawkins Drive, as well as realignment of the Hawkins Drive/Stadium Drive intersection. This project was included in the Regents 1989-1994 Five-Year Institutional Roads program approved by the Board in October 1988.

The university also requested that the Executive Secretary be authorized to approve a contract with the Iowa Department of Transportation authorizing the design, construction, and construction management for this project.

* * * * *

The university presented a revised budget on the following project.

Newton Road Reconstruction Original Budget \$294,700
Revised Budget \$469,800

Project Budget

	Original Budget <u>April 1988</u>	Revised Budget <u>Jan. 1989</u>
Design, Inspection and Administration	\$ 38,600	\$ 65,000
Construction	232,800	368,000
Contingency	<u>23,300</u>	<u>36,800</u>
TOTAL	\$294,700	\$469,800
<u>Source of Funds:</u> Institutional Road Funds	\$250,000	\$399,000
Parking System Reserves	44,700	44,700
Utility Enterprise Reserve and Replacement Fund	<u>0</u>	<u>26,100</u>
TOTAL	\$294,700	\$469,800

The university received bids on the original Newton Road reconstruction project on June 9, 1988. The \$269,251.50 bid exceeded the construction budget by \$36,451.50. Only one bid was received and the university requested and received permission from the Board to reject all bids.

The original reconstruction project consisted of a new 25 feet wide concrete pavement from the east side of the Bowen Science Building to northwest of the Human Biology Research Facility along the same alignment as the present Newton Road. The new reconstruction project has been extended from the Human Biology

Research Facility to Riverside Drive to replace areas of badly-deteriorated concrete pavement. The project also includes providing parking stalls for automobiles and motorcycles, and installing storm sewers and sidewalks as required. This project was included in the Regents 1989-1994 Five-Year Institutional Roads program approved by the Board in October 1988.

* * * * *

The university presented one new project that will be initiated in the coming months with a budget of less than \$200,000. The title, source of funds and estimated budget for the project was listed in the register prepared by the university.

ARCHITECT/ENGINEER AGREEMENTS

Approval Requested:

University Hospitals and Clinics--Operating Room
Suite Replacement \$1,035,595
Hansen Lind Meyer, Inc., Iowa City, Iowa

In November 1988 the Board approved the selection of Hansen Lind Meyer, Inc., of Iowa City, Iowa, as project architect and authorized the university to negotiate a contract for architectural services. The professional services agreement provides for design services throughout the project and includes services during the bidding and construction phases.

The agreement is in the form of a standard Regents agreement for professional architectural services and provides for basic services at a fixed fee of \$955,095 plus reimbursable expenses of \$80,500.

Stadium Drive, Hawkins Drive and Intersection
Improvements \$17,400
Shive-Hattery Engineers and Architects, Inc., Iowa City, Iowa

The university requested approval of an agreement with Shive-Hattery Engineers and Architects. The design agreement with Shive-Hattery is in the standard form of agreement for engineering services. Services to be provided include surveys and resident engineering services and project administration. The agreement provides for a fee not to exceed \$17,000, plus reimbursable expenses of \$400. This agreement is subject to the approval and concurrence of the Iowa Department of Transportation.

Amendments:

Newton Road Reconstruction \$26,200
Shive-Hattery Engineers and Architects, Inc., Iowa City, Iowa

The university requested approval of an amendment with Shive-Hattery Engineers and Architects. The design agreement with Shive-Hattery is in the standard form of agreement for engineering services. The amendment for services to be provided includes surveys and construction, resident engineering services, and project administration. The amendment provides for a fee not to exceed \$25,700 plus reimbursable expenses of \$500. This amendment is subject to the approval and concurrence of the Iowa Department of Transportation.

CONSTRUCTION CONTRACTS

Approval Requested:

North Campus Parking and Chilled Water Facility--Contract 5--
Mechanical and Electrical Work

Rejection of Bids

The university opened bids on December 22, 1988. All bids were significantly higher than the earlier conceptual estimate for this phase of the project, which represented the basis for project budgeting and were in excess of available project funds. Since award of Contract 5 would result in a project deficit, the university recommended the rejection of all bids.

The project engineer will modify the specifications, including the elimination of some components of Contract 5 which will not affect the basic operation of the facility. The project will be re-bid at a later date.

Awarded:

The following construction contracts were awarded by the Executive Secretary:

Laser Laboratory Building--Phase I

General Work (C1):

Award to: Larson Construction Company, Inc., Independence, Iowa \$107,833
(5 bids received)

Driven Piles (C2):

Award to: Iowa Bridge and Culvert, Inc., Washington, Iowa \$211,550
(7 bids received)

Psychiatric Pavilion Replacement Facility--Phase C--Shell

Award to: McComas-Lacina Construction Company, Inc., Iowa City, Iowa \$3,910,991
(3 bids received)

ACCEPTANCE OF COMPLETED CONSTRUCTION PROJECTS

Iowa Memorial Union Remodeling--Phase II--General Contract
Mid-America Construction Company of Iowa, Iowa City, Iowa

University Hospital School--Dining Room Remodeling
Aanestad Construction, Coralville, Iowa

Shipping and Receiving Facility Access Road
Hurst and Sons Contracting, Waterloo, Iowa

Chemistry-Botany Building Remodeling--Phase II (Elevator Contract)
Schumacher Elevator Company, Inc., Denver, Iowa

Rienow Hall--Replace Windows
EFCO Corporation, Monett, Missouri

Associate Director Jensen presented the following supplemental item:

Contractor appeal of bid rejections on the North Campus Parking and Chilled Water Facility--Contract 5--Mechanical and Electrical Work

The Board Office recommended to approve rejection of all bids according to the university's capital register.

The low bidder, ACI Mechanical Corporation, Ames, Iowa, believes that its suppliers and subcontractors would be harmed if the project is rebid. Low bidder requested that the Board postpone action on the award or rejection of bids until its February 15, 1989, meeting. The low bidder also requested that the Board instruct the University of Iowa to enter into negotiation with them to see whether or not a contract price can be agreed upon.

MOTION:

Regent VanGilst moved to approve the university's capital register, as presented. Regent Harris seconded the motion, and it carried unanimously.

APPROVAL OF LEASES. The Board Office recommended the Board approve leases, as presented.

- (1) with COMPUTER AIDED DESIGN SOFTWARE, INC. for their use of approximately 4,219 square feet of space in the Technology Innovation Center on the Oakdale campus for a period of six months commencing February 1, 1989, and ending July 31, 1989, at a monthly rent of \$3,194:
- (2) with PROSPECT TECHNOLOGY, INC. for their use of approximately 552 square feet of space in the Physiology Research Building located on the Oakdale campus as a part of the Technology Innovation Center, for one year

commencing February 1, 1989, and ending January 31, 1990, at a monthly rent of \$276;

- (3) with ARIE AND TONI KROEZE for the university's use of approximately 23,000 square feet of storage space in the building at 1225 South Gilbert Street, Iowa City, and approximately 50,000 square feet of land adjacent to the building, for a period of five years commencing January 1989, with the option for two additional three-year extensions and one four-year extension, at a monthly rent of \$3,833.34 for the first five-year period with the university spending \$200,000 for refurbishing and remodeling; and
- (4) with GROOMS AND ASSOCIATES for the university's use of approximately 200 square feet of office space in the Ground Transportation Center Building in downtown Cedar Rapids, for a period of one year commencing February 1, 1989, and ending January 31, 1990, at a monthly rent of \$400.

The University of Iowa was renewing two leases with tenants in the Technology Innovation Center under the usual terms and conditions and was leasing space in Cedar Rapids for offices for a federally-funded research project sponsored by the National Cancer Institute.

The University of Iowa presented again its request to lease space for the General Stores operation from Arie and Toni Kroeze on a five-year lease renewable up to a total of 15 years. The rate, terms, and conditions of the lease remain the same as presented to the Board in December.

Regent Fitzgibbon asked if in the KROEZE lease the \$2.00 per square foot of building space per year covers both ground and facility. Vice President Phillips responded that it did.

Regent Fitzgibbon asked what proportion is ground versus facility. Vice President Phillips responded that it is almost a one-to-one ratio. The parking is not built in as an additional benefit.

President Pomerantz asked about the analysis of relative cost to build or lease. Vice President Phillips said university officials compared the lease arrangement on several different years and then considered a lease/purchase arrangement. The taxes and the maintenance were compared to the savings. The net savings (cost) of the lease/purchase arrangement would be a loss of \$31,195. However, they do have a facility at the end of the period.

Director Wright noted that the owner is not interested in a lease/purchase arrangement.

President Pomerantz stated that one option is to build their own facility. He said it is sometimes cheaper to lease than to own. He said it was not a monumental issue but that he would like the institutions to go through that kind of evaluation so they know what their options are. He suggested that in

the future they analyze the relative cost of occupancy and determine whether it costs more to lease or to own.

Regent VanGilst stated that another factor to be considered is that if the university owns it they do not pay taxes but if they lease it they are indirectly paying taxes.

President Pomerantz questioned whether there has ever been a study on long-term building needs. He asked if the university has the ability to bond to finance a facility like this. Vice President Phillips said the university can bond if there is revenue produced to repay the bonds like with a parking facility.

President Pomerantz stated that when university officials run an evaluation they should have alternative costs clearly in mind. He suggested they could find a way of buying this.

Regent Fitzgibbon stated that this points up again the need for planning. He said they should establish those things ahead of time.

Vice President Phillips stated that as part of the ten-year capital plan is an integrated parking and physical plant facility. That is in the 1990-91 biennium. She said that even if everything went well that is still 5 years away.

President Pomerantz suggested the Board could approve the lease for a five-year term. During that five-year period planning could be done to deal with the alternatives and that planning be done to address longer-term needs.

MOTION:

Regent Fitzgibbon moved to approve the leases as requested by University of Iowa officials. Regent Harris seconded the motion, and upon the roll being called, the following voted:
AYE: Duchen, Fitzgibbon, Greig, Harris, Pomerantz, Tyler, VanEkeren, VanGilst, Williams.
NAY: None.
ABSENT: None.

Regent Duchen asked how university officials arrived at the \$200,000 figure for remodeling the new warehouse space. Vice President Phillips stated the physical plant has engineers that assisted with that effort. She said they believe this is a firm estimate.

President Pomerantz then asked Board members and institutional executives if there were additional items for discussion pertaining to the University of Iowa. There were none.

IOWA STATE UNIVERSITY

The following business pertaining to Iowa State University was transacted on Wednesday, January 11, 1989.

RATIFICATION OF ACTIONS IN REGISTER OF PERSONNEL CHANGES FOR DECEMBER 1988.

The Board Office recommended that the Board approve the Register for the month of December 1988, including:

- (a) the retirement of WAYNE MOORE as Vice President for Planning and Development, effective February 28, 1989; and
- (b) the early retirement for DEAN C. FOLEY, Associate Professor of Plant Pathology, effective January 4, 1989. Cost of Professor Foley's retirement incentives is \$25,036. The college will use the cost savings for faculty replacement.

President Eaton stated that Wayne Moore had recently announced his intention to retire at the end of February. He said Vice President Moore had served the university long and well. Almost all of his career was spent at the university. As a student he graduated from Iowa State University.

Vice President Vernon stated that it had always been a great pleasure to work with Vice President Moore.

President Pomerantz expressed the Board's appreciation for Vice President Moore's contributions to the university and to the entire state.

ACTION: President Pomerantz stated the Board approved the Register for the month of December 1988 as a consent item.

APPROVAL OF APPOINTMENT. The university requested the Board approve the following appointment:

ROLAND D. JENISON as Interim Chair of the Department of Freshman Engineering effective January 1, 1989, through June 30, 1990, salary \$73,000 on an annual basis, of which \$2,000 is an administrative increment.

ACTION: President Pomerantz stated the Board approved the appointment as a consent item.

APPROVAL OF FACULTY IMPROVEMENT LEAVE REQUESTS. The Board Office recommended the Board approve the request for faculty improvement leaves at Iowa State University for 1989-90.

Iowa State University officials requested 39 faculty improvement leaves for 1989-90 at an estimated replacement cost of \$300,000 or an average estimated cost of \$7,692. The last time actual costs for leaves were reported to the Board the replacement cost was \$542,569 or an average of \$10,434. This year's request is below the average since 1974-75, which was 42.

Provost Glick stated that the faculty improvement leaves are subject to peer review. There were a few less this year than last year. The Iowa State University faculty improvement leave program contrasts with the University of Iowa's in that the leaves are longer and occur off campus.

MOTION: Regent Duchen moved to approve the request for faculty improvement leaves at Iowa State University for 1989-90. Regent VanEkeren seconded the motion, and it carried unanimously.

APPROVAL OF FACULTY IMPROVEMENT LEAVE REPORTS. The Board Office recommended the Board receive the report on faculty improvement leaves from Iowa State University from 1987-88.

The Board of Regents approved 57 leaves for the 1987-88 academic year; 52 of these leaves were actually taken. In addition, two leaves were deferred from the previous year and taken in 1987-88. Five faculty granted leaves in 1987-88 postponed their leaves until 1988-89, one faculty member cancelled his leave and one faculty member will provide his report next year due to the late date of his leave.

The total cost of these leaves was \$542,569, which was 47 percent higher than the 1986-87 cost of \$396,583.

The range of leave activities included completed research, development of video cassette tapes, the completion of coursework for certification in advanced training, the production of drawings, completed publications and new perspectives on teaching.

ACTION: President Pomerantz stated the Board received the report on faculty improvement leaves from Iowa State University from 1987-88 by general consent.

APPROVAL OF 1989-91 UNIVERSITY CATALOG REVISIONS. The Board Office recommended the Board refer this request to the Interinstitutional Committee on Educational Coordination and the Board Office for review and recommendation.

Iowa State University officials requested approval of its curriculum revisions for inclusion in its 1989-91 catalog. The revisions include new programs, new courses and course trends.

Provost Glick stated that all of the changes which require Board approval have received Board approval.

ACTION: President Pomerantz stated the Board referred this request to the Interinstitutional Committee on Educational Coordination and the Board Office for review and recommendation by general consent.

APPROVAL OF PROFESSIONAL AND SCIENTIFIC CLASSIFICATION CHANGES. The Board Office recommended that the Board approve changes in the Iowa State University Professional-Scientific classification system, as follows:

1. Create two new classifications --

Development Officer I, pay grade P5 (\$28,365 - \$43,385), and
Development Officer II, pay grade P6 (\$33,448 - \$51,923).

2. Eliminate eighteen formal titles --

County Extension Director I through IV, pay grades P3, P4, P5, and P6;
Extension Agriculturist I through IV, pay grades P2, P3, P4, and P5;
Extension Home Economist I through IV, pay grades P2, P3, P4, and P5;
Extension 4-H and Youth Leader I through IV, pay grades P2, P3, P4 and P5;
Associate Technical Director, pay grade P3; and
Technical Director, pay grade P4.

3. Create nine new formal titles --

Extension Agent I through IV, pay grades P3, P4, P5, and P6;
Extension Area Specialist I through IV, pay grades P3, P4, P5, and P6; and
Assistant to Provost, pay grade P6.

The university reviewed classifications in the development office, extension offices, and provost's office relative to current work assignments and reorganizations. New position descriptions were developed for staff in those offices which reflect the work being done. The positions were evaluated on

the university's point-count instrument. The pay grade assignments recommended were the result of that evaluation.

The privatization of the Iowa State Center has eliminated the need for two director classes.

There is not a present year budgetary impact of these classification changes. The impact will be in future years as staff reach the maximums of the pay ranges.

MOTION: Regent Harris moved to approve changes in the Iowa State University Professional-Scientific classification system, as presented. Regent Williams seconded the motion, and it carried unanimously.

ACCEPTANCE OF POST-AUDIT REPORTS. The Board Office recommended the Board refer this request to the Interinstitutional Committee on Educational Coordination and the Board Office for review and recommendation.

Iowa State University prepared post-audit reports on three programs approved by the Board of Regents five or so years ago, as required by Board policy.

These reports are intended as a check to ensure that new programs live up to their goals and objectives.

ACTION: President Pomerantz stated the Board referred this request to the Interinstitutional Committee on Educational Coordination and the Board Office for review and recommendation by general consent.

REGISTER OF CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS. The Board Office recommended the Board approve the university's capital register.

APPROVAL OF PROGRAM STATEMENTS AND DESIGN DOCUMENTS

Meats Laboratory Addition (Phase I)

Meats Laboratory Addition (Phase I)

Original Master Plan Budget \$10,173,000
Revised Phase I Budget \$ 6,000,000

Project Budget

	Original Master Plan Budget <u>April 1988</u>	Revised Phase I Budget <u> </u>
Contracts	\$ 5,232,036	\$ 2,100,000
Design Services	842,999	640,950
Surveys and Testing	10,000	10,000
Facilities Design and Construction	75,141	8,000
Construction Administration	100,000	40,000
Architect/Engineer Agreement	103,756	194,000
University Services	40,000	10,000
Miscellaneous	15,000	5,000
Landscaping	20,000	10,000
Utility Extensions	170,000	240,000
Fixed Equipment	2,890,000	2,500,000
Movable Equipment	30,000	
Art Work	50,865	30,000
Building Automation	45,000	10,000
Telecommunications	45,000	2,000
Reserved for Future Contracts and Contract Changes	<u>503,203</u>	<u>\$ 200,050</u>
TOTAL	\$10,173,000	\$ 6,000,000
Source of Funds: 72nd General Assembly		
Academic Revenue Bonds	\$ 1,000,000	\$ 1,000,000
Department of Energy Grant	4,000,000	4,200,000
Future Department of Energy Grant	<u>5,173,000</u>	<u>800,000</u>
TOTAL	\$10,173,000	\$ 6,000,000

In March 1988 the Board approved proceeding with architect and engineer agreements for the schematic design phase of the project. In April the Board approved the project description and budget for the entire project (\$10,173,000). The schematic design master plan for this project was presented at the December 1988 Board meeting. The schematic design master plan was prepared by architects Rudi/Lee/Dreyer with input from the approved building program and potential occupants of the new Meat Irradiation Technology Center. The Board deferred approval of the total master plan but did authorize the university to proceed with design development and construction documents for the irradiator and its immediate support facilities.

The Board expressed concerns about the project, mostly related to cost and efficiency. The cost of constructing the facility was estimated by Rudi/Lee/Dreyer and CH2M Hill using various per square foot costs of the

different types of spaces. Those per square foot costs were based on known similar examples wherever possible.

This project has many unique situations that make the costs higher than a normal laboratory building. These same unique situations also make it difficult to determine exactly how much higher than normal the costs will be.

The current funding level of \$6 million for Phase I will only fund the irradiation facility and those support facilities absolutely necessary for this operation. Most of the support facilities, including the meat processing areas, coolers, freezers, offices, chemistry and pathogenic materials laboratories, and general support spaces will have to wait until further funding is available. Assuming this funding will not come within the next year or two, the university believes it to be more prudent to plan on reexamining the final design and cost of those facilities as they become a reality. Hopefully, the estimates provided now will be adequate, as adjusted by inflation, to cover the costs of these facilities.

The university assured the Board that there will be refinement of the design and cost estimates as the planning on the project proceeds. Because of the interconnection of events alluded to above, it has not been possible to arrive at the confidence level that the university would like. Therefore, the cost estimates are conservative and contain a large contingency factor.

The university requested approval of the schematic design master plan.

PROJECT DESCRIPTIONS AND BUDGETS

The university submitted four new projects for approval by the Board.

LeBaron Hall Addition--Center for Designing Foods to Improve Nutrition

\$10,000,000

Source of Funds: 72nd General Assembly

Academic Revenue Bonds	\$4,200,000
Pending USDA-CSRS Grant	\$5,800,000

Initial Project Budget

Construction Contract	\$ 4,504,000
Design Services	430,000
Construction Administration	199,000
University Services	130,000
Miscellaneous	45,000
Landscaping	20,000
Utility Extensions	259,000
Fixed Equipment	50,000
Movable Equipment	3,500,000
Art Work	32,500
Building Automation	65,000
Telecommunications	90,000
Reserved for Future Contracts and Contract Changes	<u>675,500</u>
TOTAL	\$10,000,000

As reported to the Board in January 1988 on the College of Home Economics Addition, Iowa State University is being considered as the site for a human nutrition research center. The university received approval from the Board to proceed with a feasibility study to confirm program requirements and to explore plans for this facility. The Board authorized the continued services of Brooks Borg and Skiles since the proposed center would be developed from the master plan for the College prepared by this firm.

The 1987 General Assembly authorized funding for the first phase of the project in the amount of \$4.2 million to provide new and improved facilities for the College of Family and Consumer Sciences. The College has made research facilities for the Department of Food and Nutrition the first priority for new space. Design of the new facility has been delayed in the hope that federal funding of the proposed center would make it possible to increase the scope of the Department's research and its impact on nutrition to a national scale. Proposed funding from the United States Department of Agriculture-Cooperative State Research Service (USDA-CSRS) has the potential of bringing an additional \$5.8 million to the project, which would allow a total project budget of \$10 million.

The project as currently envisioned will consist of a structure of two floors plus a basement. It will be connected to LeBaron Hall and will share a common loading dock and entrance lobby.

Preliminary programming indicates a need for 20,000 net assignable square feet (NASF). Assuming a net-to-gross ratio of .55, the gross area of the proposed facility will be approximately 37,000 gross square feet (GSF).

The university requested approval to proceed with programming and design of the project, and to negotiate an agreement for architectural services for the pre-design and programming phases of the project with Brooks Borg and Skiles of Des Moines.

Comprehensive Engineering Analysis (Energy Audits) \$396,000

Source of Funds: 73rd General Assembly Supplemental
Appropriations or Income from
Treasurer's Temporary Investments
or Building Repair Fund

Initial Project Budget

Engineer Agreement	\$343,398
Facilities Design and Construction	15,000
Utilities Design	10,000
University Services	15,000
Miscellaneous	<u>12,602</u>
 TOTAL	 \$396,000

House File 2437, effective July 1, 1988, requires the State Board of Regents to perform comprehensive analyses for buildings under the Board's control and to have them completed no later than June 30, 1989. This project will provide the required engineering analyses for 173 university buildings with approximately 5.3 million gross square feet.

The university has negotiated an agreement with Viron Corporation of North Kansas City, Missouri, to complete the engineering analyses for a fee not to exceed \$343,398, including reimbursables.

Viron Corporation specializes in engineering analyses and was chosen because of its experience and staff size, which will be required in order to be able to perform the engineering analysis in a very limited time on a project of this magnitude. This firm's experience includes a recently-completed comprehensive analysis of 395 buildings (7.3 million square feet) in a period of six months under contract with the Iowa Department of Natural Resources.

Ag 450 Farm--Machine Storage Shed \$19,000

Source of Funds: Ag 450 Operating Account

Initial Project Budget

Purchase Order Contract	\$16,600
University Services	<u>2,400</u>
 TOTAL	 \$19,000

The university wishes to construct a 50 foot x 70 foot machine storage shed at the Ag 450 Farm for equipment which is presently housed outside. The shed will provide adequate storage facilities to protect the equipment from the environmental elements.

Design and construction will be performed by university staff with materials purchased through competitive bidding.

<u>Ag Experiment Station--Storage Shed</u>		<u>\$4,000</u>
Source of Funds: Ag Experiment Station	\$2,000	
Leopold Center Grant	\$2,000	

Initial Project Budget

University Services	<u>\$4,000</u>
TOTAL	<u>\$4,000</u>

The university wishes to construct a 14 foot x 40 foot shed at the McNay Research Center to house a wood-fired furnace and boiler as part of a larger forestry/ag engineering research project.

Design and construction will be performed by university staff with materials purchased through competitive bidding.

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The university presented revised budgets on the following projects.

<u>The Durham Center</u>	Original Budget <u>\$10,900,000</u>
	Revised Budget <u>\$10,808,047</u>

Project Budget

	<u>Original Budget May 1987</u>	<u>Revised Budget Jan. 1989</u>
Construction Contracts	\$ 7,690,804	\$ 7,942,290
Design Services (pre-design)	20,000	
Design Services	668,250	767,648
Construction Administration		133,840
University Services		50,000
Inspection	130,000	
Plant Services	50,000	
Miscellaneous	25,000	25,000
Landscaping	45,000	45,000
Utility Extensions	230,000	194,620
Surveys and Testing	40,000	
Fixed Equipment	10,000	65,000
Movable Equipment	600,000	600,000
Art Work	54,500	54,500
Building Automation	125,000	144,085
Relocations	100,000	8,047
Telecommunications	400,000	400,000
Reserved for Future Contracts and Contract Changes	<u>711,446</u>	<u>378,017</u>
TOTAL	\$10,900,000	\$10,808,047
Source of Funds: Computation Center Revenue Bonds, Series ISU 1986	\$ 6,848,440	\$ 6,848,440
ISU Achievement Foundation	<u>4,051,560</u>	<u>3,959,607</u>
	\$10,900,000	\$10,808,047

This budget was reduced by \$91,953 from the last approved budget of \$10.9 million which was reported to the Board in May 1987. This reduction is due to a transfer of funds to the capital project Central Campus--Parking Lot No. 2 Extension which was constructed, in part, to replace parking spaces displaced by the Durham Center.

<u>ISU Research Park--Phase I</u>	Original Budget	<u>\$4,623,540</u>
	Revised Budget	<u>\$5,146,802</u>

Project Budget

	<u>Original Budget Sept. 1988</u>	<u>Revised Budget Jan. 1989</u>
Construction Contracts	\$1,890,220	\$1,943,977
Design Services	649,670	649,670
Design Services (City of Ames)	96,850	96,850
University Services		7,500
City Infrastructure Extensions	255,128	255,128
Miscellaneous--Special (Signage)	60,000	60,000
Land Acquisition	1,400,000	1,923,262
Telecommunications	220,000	169,600
Reserved for Future Contracts and Contract Changes	<u>51,672</u>	<u>40,815</u>
TOTAL	\$4,623,540	\$5,146,802
Source of Funds: ISU Foundation	\$1,400,000	\$1,923,262
Department of Transportation RISE Grant	1,238,000	1,238,000
Dept. of Housing and Urban Development Community Development Block Grant	600,000	600,000
Income from Treasurer's Temporary Investments 72nd General Assembly Academic Revenue Bonds or Other Sources	750,000	750,000
City of Ames	305,300	305,300
Story County	<u>200,000</u>	<u>200,000</u>
TOTAL	\$4,623,540	\$5,146,802

This budget has increased \$523,262 from the last approved budget of \$4,623,540 reported to the Board in September 1988. The university now reported the actual cost of the land acquisition. This additional cost to the project is being funded by the ISU Foundation.

VMRI Animal Holding Facility

Original Budget \$1,000,000
Revised Budget \$1,061,300

Project Budget

	Original Budget <u>Nov. 1988</u>	Revised Budget <u>Jan. 1989</u>
Construction Contract	\$ 690,600	\$ 785,100
Design Services	72,300	72,300
Construction Administration	26,500	28,500
University Services	5,000	5,000
Miscellaneous	1,000	1,000
Landscaping	4,150	4,150
Utility Extensions	35,500	35,500
Fixed Equipment	20,000	20,000
Art Work	5,000	5,000
Building Automation	52,000	52,000
Telecommunications	1,000	1,000
Reserved for Future Contracts and Contract Changes	<u>86,950</u>	<u>51,750</u>
TOTAL	\$1,000,000	\$1,061,300
Source of Funds: 72nd General Assembly		
Academic Revenue Bonds	\$ 800,000	\$ 800,000
Industry Contributions or Income from Treasurer's Temporary Investments	200,000	236,600
Research Grant Funds	<u>0</u>	<u>24,700</u>
	\$1,000,000	\$1,061,300

This budget has been increased by \$61,300 from the last approved budget of \$1,000,000 which was reported to the Board in November 1988. The university has received the bids and determined that it would be in its best interest to accept two of the alternates which will provide additional animal isolation rooms. If the alternates are not taken at this time, it will be difficult to add them to the facility at a later date.

The increase in the project budget will be covered by VMRI research grants and income from Treasurer's Temporary Investments.

Ruminant Nutrition Laboratory--Remodeling for
Animal Surgery and Housing

Original Budget \$243,000
Revised Budget \$416,100

Project Budget

	Original Budget <u>March 1988</u>	Revised Budget <u>Jan. 1989</u>
Construction Contract	\$ 173,750	\$ 323,000
Design Services	27,000	26,500
Construction Administration	9,000	15,500
University Services	1,000	850
Miscellaneous	500	500
Utility Extensions	13,250	13,250
Building Automation		5,000
Telecommunications	1,500	1,500
Reserved for Future Contracts and Contract Changes	<u>17,000</u>	<u>30,000</u>
TOTAL	\$ 243,000	\$ 416,100
Source of Funds: Agricultural Experiment Station	\$ 121,500	\$ 208,050
Building Repair Fund or Income from Treasurer's Temporary Investments	<u>121,500</u>	<u>208,050</u>
TOTAL	\$ 243,000	\$ 416,100

This budget has been increased by \$173,100 from the last approved budget of \$243,000 which was reported to the Board in March 1988. The university has determined that additional work should be included in the scope of the project, including improvements in interior finishes, door replacements, re-roofing, tuckpointing, exterior painting, a fire sprinkler system and the design services associated with these items.

The increase in the project budget will be equally shared by both fund sources.

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Science II--Laboratory Remodeling

Original Budget \$66,200
Revised Budget \$79,500

Project Budget

	<u>Original Budget August 1988</u>	<u>Revised Budget Jan. 1989</u>
Construction Contract	\$ 19,000	\$ 0
Design Services	6,200	6,700
Construction Administration	2,500	2,500
University Services	32,400	67,246
Telecommunications	600	
Miscellaneous	500	
Reserved for Future Contracts and Contract Changes	<u>5,000</u>	<u>3,054</u>
TOTAL	\$ 66,200	\$ 79,500

This budget has been increased \$13,300 from the last approved budget of \$66,200 reported in August 1988. After receiving bids for the construction portion of the project by the Purchasing Department, which would have resulted in a revised budget of \$81,600, it was determined that university forces could do the construction work with materials purchased on a competitive basis, saving the university approximately \$2,100 from the lowest quote.

* * * * *

The university presented four new projects that will be initiated in the coming months with budgets of less than \$200,000. The titles, source of funds and estimated budgets for the projects were listed in the register prepared by the university.

ARCHITECT/ENGINEER AGREEMENTS

Approval Requested:

Industrial Education II--Remodeling \$24,500
Rietz Engineering Consultants, Ames, Iowa
(Engineering Services)

This project was approved by the Board at the October meeting. The university now requested permission to enter into an agreement with Rietz Engineering Consultants for engineering services through the construction phase. The agreement is for an amount not to exceed \$24,500 including reimbursables.

Meats Lab Addition \$370,000
CH2M Hill, Albuquerque, New Mexico
(Architectural/Engineering Services)

The schematic design master plan for this project was presented to the Board at the December 1988 Board meeting. The Board deferred approval of the total master plan but did authorize the university to proceed with design development and construction documents for the irradiator and its immediate support facilities.

An agreement was negotiated with CH2M Hill, the irradiator consultant, to provide design services through the end of the bidding phase for the irradiator and its immediate support facilities. The agreement includes cost consulting services and geotechnical investigation services as well as architectural and engineering services required for the irradiator. CH2M Hill will also assist the university in procurement of the linear accelerator as part of this agreement. Compensation will be based on a multiple of direct personnel expense with a fixed maximum of \$370,000, including reimbursable expenses.

Amendments:

Molecular Biology Building \$1,109.42
Stanley Consultants, Inc., Muscatine, Iowa

In June 1988 the Board approved an agreement for engineering services to Stanley Consultants, Inc., for the design of an electrical ductbank and manhole system from the heating plant to the site of the north campus substation to service the Molecular Biology Building. This agreement did not include costs associated with the reproduction and distribution of contract bid documents. The university has approved this additional service cost to Stanley Consultants and reported this amendment to the Board. The maximum amount billable for these additional services is \$1,109.42.

A summary of all changes to the agreement is as follows:

Maximum Payable Original Agreement	\$10,650.00
Change No. 1	<u>1,109.42</u>
Maximum Amount Payable Including This Change	\$11,759.42

Change No. 1 will not result in an increase in the total project budget of \$30,500,000.

Utilities--Replace Steam Generators 1 & 2 \$10,000
Sega, Inc., Stanley, Kansas

In March 1987 the Board approved an agreement for engineering services to Sega, Inc., for the design of a breeching interconnection between the old spreader-stoker coal-fired boilers and the new fluidized bed boilers at the University Heating Plant. This interconnection is a requirement of the

Environmental Protection Agency under the permitting requirements for the new fluidized bed boilers.

As the project nears completion and the project budget becomes more certain it is appropriate to reconsider the installation of equipment originally not included in the project due to budget concerns. The university now wishes to proceed with the design and installation of a circulating fluidized bed boiler cleanout conveyor.

The university has approved additional design services for Segal, Inc., and is reporting this amendment to the Board. The maximum amount billable for these additional services is \$10,000.

A summary of all changes to the agreement is as follows:

Maximum Payable Original Agreement	\$60,000
Change No. 1	<u>10,000</u>
Maximum Amount Payable Including This Change	\$70,000

Change No. 1 will not result in an increase in the total project budget of \$30,425,000.

CONSTRUCTION CONTRACTS

Approval Requested:

VMRI Animal Holding Facility \$793,000
Badding Construction Company, Carroll, Iowa

The university requested permission to award this contract to the low bidder, Badding Construction Company.

Base Bid	\$731,700	
Alt. #2	24,700	
Alt. #3	<u>36,600</u>	
TOTAL AWARD:	\$793,000	(8 bids received)

Awarded:

Utilities--Replace Steam Generators No. 1 & 2--Breeching Interconnections \$459,900
Award to: ACI Mechanical Corporation, Ames, Iowa
(4 bids received)

Black Engineering Building--Fire Suppression System
Modifications

\$21,482

Award to: Iowa Fire Equipment Company, Des Moines, Iowa
(2 bids received)

Gilman Hall Renovation--Phase II--Window Replacement

\$429,666

Award to: McHan Construction Company, Sioux City, Iowa
(3 bids received)

ACCEPTANCE OF COMPLETED CONSTRUCTION PROJECTS

Utilities--Replace Steam Generators No. 1 & 2--Painting
Harkin Gentleman, Inc., Des Moines, Iowa

Utilities--Replace Steam Generators No. 1 & 2--Material Handling
Fairfield Engineering Company, Marion, Ohio

Molecular Biology Building - Art Presentation.

Vice President Madden stated that university officials felt that because of the requirements of the Board concerning art work on capital projects and because this art work affects the exterior of the building they should make a formal presentation to the Board. He introduced Dr. Michael Underhill, chair of the university architecture committee and the Architecture Department.

Dr. Underhill stated that the committee was anxious to have art that reflected the importance of this facility. They also wanted to avoid art designed by a committee. University officials contracted with an art consultant, Andrew Lester from Minneapolis. Mr. Lester showed the committee some art work on the campus that was similar to what he would propose. His proposal contained several items that would be built into the building. One of the four corners of the building would contain art work of a slightly different color than the skin. There would be a mosaic pattern of the DNA spiral. Four figures of laboratory technicians in laboratory coats in abstract terra-cotta would be 10 feet high. Inside the building would be a floor mosaic which Dr. Underhill likened to a persian rug, with a pattern of a microelectron micrograph which depicts a DNA coming out of a cell.

Dr. Underhill stated that the proposal received unanimous and enthusiastic support of the committee.

Regent VanGilst questioned that half to one percent of a budget on a project like this goes to art work.

Vice President Madden stated that they will get 60 to 70 percent more art for their money because they can incorporate it into the building construction.

He said that if they move ahead with this they will come back with appropriate change orders to the construction contract.

MOTION: Regent Harris moved to approve the university's capital register. Regent VanEkeren seconded the motion, and it carried unanimously.

PRESENTATION: INCUBATOR FACILITY.

Leonard Goldman, Director of the Iowa State University Research Park, presented background information on the Iowa State Innovation System (ISIS). The incubator is located in the Lab of Mechanics Building on the university campus. The Board of Regents has granted permission to university officials to enter into a lease with the Research Park to move the ISIS there. That facility will provide an expanded and more natural home. The overall plan is that the whole building will be the ISIS. At the present time it will occupy 7,000 square feet. He said that given the tenant prospect list they expect that in 3 to 5 years the entire building will be filled with ISIS businesses. Many of the businesses are associated with the university's faculty, staff and students. ISIS is focused around the strengths of the university. The incubator has rigid admission requirements for the companies. Darlene Gluck manages the incubator.

ISIS was established in January 1986. There are currently 11 tenants. The ISIS has graduated two businesses. One is now located in Ames and the other is in Iowa Falls. Three tenants have not completed the program. The average length of stay is two years. The incubator has a 79 percent graduation rate and a 100 percent success rate of graduates. Mr. Goldman said the compelling reasons for the companies to stay in Iowa after graduation include access to the university and a sense of loyalty.

The ISIS companies are in the pre-equity stages of development. The types of products produced include laboratory analysis and test kits, prosthetic devices, computer hardware and software, health improvement equipment, and analytical tools and equipment. University officials actively seek management personnel on behalf of the tenant companies.

The university cannot guarantee that when a business graduates from the incubator it will succeed; however, the rate of failure of technology-based companies is reduced 75 percent if they are involved in a university-based incubator. ISIS tenants' research needs include engineering, marketing, design, biotechnology, environmental and education. ISIS personnel teach them how to ask the right kinds of questions of the right people at the university. The atmosphere makes it easy for both parties to collaborate. In the early stages of start up businesses have extensive use of the libraries. Almost all of the companies have employed students. Those opportunities extend the laboratory and classroom to the real world.

Sources of financing for businesses include a seed capital fund developed by local businesses, the Iowa Product Development Corporation, second mortgages and relatives. Most of the companies don't have collateral for regular bank loans.

Mr. Goldman introduced John McClelland, President of MTEC Photoacoustics, Inc.

Dr. McClelland stated that MTEC Photoacoustics, Inc., manufactures a photoacoustic detector which is used in infrared spectrometers to measure the molecular composition of materials. The product is based on university research of instrumentation and methods in the field of analytical chemistry. The company first moved into ISIS in 1986. He recently established MTEC International in the Virgin Islands. The current status of the company includes \$600,000 in sales for fiscal year 1987, 284 instruments sold since 1985, achieved market niche with largest market share for the product and as sole supplier to all OEM buyers, and instruments are now operating in over 12 foreign companies. Users of the equipment include the petroleum industry, the chemical industry, motor vehicle and aerospace industries.

Regent Duchen asked for the price of the instrument. Dr. McClelland answered that it costs \$8,500 if they sell directly and somewhat less if they sell to an instrument distributor.

Dr. McClelland stated that over 50 percent of the instruments are sold outside of this country. He said the university was the key factor in the business's start up and initial success. He personally felt that the university should try to establish an inventors' workshop.

Mr. Goldman introduced Mike Stahr, President of Spectrochrom, Ltd.

Mr. Stahr stated that Spectrochrom, Ltd., has developed mycotoxin test kits for field use that are relatively inexpensive and easy to use. He referred to the recent epidemic of aflatoxin and said the Food and Drug Administration is very concerned about residue in corn. Spectrochrom supplies kits for tests for aflatoxin so the problem can be eliminated on the farm by the producer. By testing on the farm a farmer can recover as much of the cost as possible. Last year they marketed kits to detect residues in pork and animal products. The price for the kits has dropped 50 percent in the last year. At this time the company is not making a lot of money. They are in the process of trying to get federal grants.

APPROVAL OF LEASES. The Board Office recommended the Board approve leases, as presented.

- (1) extend leases with HEALTH INNOVATIONS, INC.; UNIVERSITY SYSTEMS TECHNOLOGY, INC.; CIMTECHNOLOGIES, CORP.; SPECTROCHROM, LTD.; ELECTRONIC LEARNING TECH., INC.; TELFAX COMMUNICATIONS, INC.; AND AMERICAN RADON

SERVICES, INC., for a period of two months commencing December 31, 1988, through February 28, 1989, at the same monthly rental rate and with all terms and conditions remaining the same as in the original leases with these tenants in the Iowa State Innovation System (ISIS);

- (2) with IOWA STATE UNIVERSITY FOUNDATION for the university's use of agricultural lands known as the Johannes and M. Ross Farms, for a period commencing from approximately March 1, 1989, to January 1, 1995, at an annual rent of \$110 per tillable acre, subject to revision of the rental rate by mutual agreement prior to March 1 of each year, for approximately 132 tillable acres resulting in an annual rent of \$14,520.

Vice President Madden presented Iowa State University's leases. The first lease extends existing leases in the incubator through February. The second is lease of agricultural land located south of Highway 30 and west of campus for soybean research. It is a replacement lease for one that currently exists. They are adding a small tract to it.

Regent Fitzgibbon asked that university officials make sure the transaction between the university and the Foundation is documented properly.

Vice President Madden said that had been done. He noted that the rates are set independently.

MOTION:

Regent Williams moved to approve leases as presented by Iowa State University officials. Regent VanEkeren seconded the motion, and upon the roll being called, the following voted:
AYE: Duchen, Fitzgibbon, Greig, Harris, Pomerantz, Tyler, VanEkeren, VanGilst, Williams.
NAY: None.
ABSENT: None.

President Pomerantz then asked Board members and institutional executives if there were additional items 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 Wednesday, January 11, 1989.

REGISTER OF PERSONNEL CHANGES. The Board Office recommended that the Board approve the Register for the month of December 1988.

ACTION: President Pomerantz stated the Register was approved as a consent item.

PROFESSIONAL DEVELOPMENT LEAVE RECOMMENDATIONS. The Board Office recommended the Board approve the requests for professional development leaves for 1989-90 at the University of Northern Iowa.

The University of Northern Iowa requested 23 professional development leaves. The average replacement cost estimated for the proposed leaves is \$8,289 per faculty member.

MOTION: Regent Harris moved to approve the requests for professional development leaves for 1989-90 at the University of Northern Iowa. Regent Williams seconded the motion, and it carried unanimously.

PROFESSIONAL DEVELOPMENT LEAVE REPORTS, 1987-88. The Board Office recommended the Board accept the report on professional development leaves for 1987-88 for the University of Northern Iowa.

The University of Northern Iowa submitted a report on developmental leaves with a net replacement cost of \$200,000.

ACTION: President Pomerantz stated the Board accepted the report on professional development leaves for 1987-88 for the University of Northern Iowa by general consent.

REGISTER OF CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS. The Board Office recommended the Board approve the University of Northern Iowa capital register.

PROJECT DESCRIPTIONS AND BUDGETS

The university presented one new project that will be initiated in the coming months with a budget of less than \$200,000. The title, source of funds and

estimated budget for the project was listed in the register prepared by the university.

ARCHITECT/ENGINEER AGREEMENTS

Approval Requested:

Energy Conservation--Comprehensive Engineering Analysis \$116,330
Shive-Hattery Engineers and Architects, Inc., Cedar Rapids, Iowa

House File 2437, effective July 1, 1988, requires the State Board of Regents to perform comprehensive engineering analyses for buildings under the Board's control and to have them completed no later than June 30, 1989. This project provides for comprehensive engineering analyses of 36 buildings to be conducted by a consultant in accordance with regulations of the Iowa Department of Natural Resources Energy Bureau. The findings of the analyses will be provided in hard copy form as well as a computerized data base with computer program. The results will assist in making administrative decisions regarding the implementation of energy conservation measures identified in the analyses. Applications for federal funding for the project will be made through the Department of Natural Resources.

The university negotiated an agreement with Shive-Hattery Engineers and Architects to conduct the engineering analysis for a fee not to exceed \$116,330, including reimbursables.

Amendments Reported:

Power Plant Replacement--Power Plant No. 2, Phase I--Boiler \$1,989
Sega, Inc., Stanley, Kansas/West Des Moines, Iowa

CONSTRUCTION CONTRACTS

Approval Requested:

Power Plant Replacement--Power Plant No. 2, Phase I--Boiler
Contract 211--Demineralizer Equipment

Rejection of Bids

Bids were opened at 2:00 p.m. on December 20, 1988. The bid documents were reviewed by Sega, Inc., project consultant, and representatives of the university. Five companies expressed a desire to bid the project, but only one valid bid was received and read. The \$349,460 bid was well over the engineer's estimate of \$250,000. The university recommended the bids be rejected and the project re-bid at a later date.

Awarded:

Power Plant Replacement--Power Plant No. 2, Phase I--Boiler
Contract 210--Ash Handling Equipment \$293,800
Award to: Allen-Sherman-Hoff Company, Pittsburgh, PA
(3 bids received)

Classroom-Office Building--Electrical and Switchgear \$22,233
Award to: S & C Electric, Chicago, IL
(1 bid received)

Transformer \$12,990
Award to: Electrical Engineering and Equipment, Des Moines, IA
(2 bids received)

Latham Hall Renovation--Electrical Switchgear \$22,233
Award to: S & C Electric, Chicago, IL
(1 bid received)

Transformer \$9,370
Award to: Electrical Engineering and Equipment, Des Moines, IA
(3 bids received)

FINAL REPORTS

Institutional Roads--Nebraska Street Extension \$264,089.84

Utilities Improvements--Central Campus \$230,112.68

MOTION: Regent Fitzgibbon moved to approve the university's capital register. Regent Williams seconded the motion, and it carried unanimously.

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

IOWA SCHOOL FOR THE DEAF

The following business pertaining to Iowa School for the Deaf was transacted on Wednesday, January 11, 1989.

REGISTER OF PERSONNEL CHANGES. The personnel register will be presented to the Board for ratification in February.

REGISTER OF CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS. The Board Office reported that the capital register contained no transactions for this month.

President Pomerantz then asked Board members and institutional executives if there were additional items for discussion pertaining to the Iowa School for the Deaf.

Superintendent Johnson stated the Iowa School for the Deaf was recognized among the deaf schools as the best small school football team. Their coach received the coach of the year recognition and the school had two all Americans.

IOWA BRAILLE AND SIGHT SAVING SCHOOL

The following business pertaining to Iowa Braille and Sight Saving School was transacted on Wednesday, January 11, 1989.

RATIFICATION OF ACTIONS REPORTED IN THE REGISTER OF PERSONNEL CHANGES FOR NOVEMBER 27 TO DECEMBER 21, 1988. The Board Office recommended the Board approve the Register.

ACTION: President Pomerantz stated the Board approved the Register as a consent item.

COOPERATIVE AGREEMENT BETWEEN THE IOWA DEPARTMENT FOR THE BLIND AND THE IOWA BRAILLE AND SIGHT SAVING SCHOOL. The Board Office recommended that the Board approve the concept and authorize the Executive Secretary to sign an agreement which will provide a job placement specialist/counselor to students of work age at Iowa Braille and Sight Saving School in a jointly-funded arrangement with the Iowa Department for the Blind whereby the Department will pay approximately 80 percent of the cost of the specialist/counselor and a part-time secretary with the school providing the remainder of the cost, commencing as soon as details of such an arrangement can be completed in acceptable written form.

Research indicates that for the blind student gainful employment by work-age results in a significant improvement in the opportunity for gainful employment after high school.

The Iowa Department for the Blind has conceptually agreed to fund eighty percent of the cost of a job placement specialist/counselor and part-time secretary to assist work-age students with securing gainful employment.

The school sought authorization to enter into an agreement to provide this program to its students and to fund twenty percent of the cost of the program.

MOTION: Regent Williams moved to approve the concept and authorize the Executive Secretary to sign an agreement which will provide a job placement specialist/counselor to students of work age at Iowa Braille and Sight Saving School, as presented. Regent VanEkeren seconded the motion, and it carried unanimously.

REGISTER OF CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS. The Board Office reported that the capital register contained no transactions for this month.

IOWA BRAILLE AND SIGHT SAVING SCHOOL
January 11, 1989

President Pomerantz then asked Board members and institutional executives if there were additional matters for discussion pertaining to the Iowa Braille and Sight Saving School. There were none.

EXECUTIVE SESSION. President Pomerantz requested the Board enter into closed session to consult with its counsel regarding a matter in which litigation is imminent or which is presently in litigation, pursuant to Code of Iowa Section 21.5(1)(c); and to conduct a collective bargaining strategy session pursuant to Code of Iowa Section 20.17(3).

MOTION:

Regent Tyler moved to enter into closed session. Regent Harris seconded the motion, and upon the roll being called, the following voted:

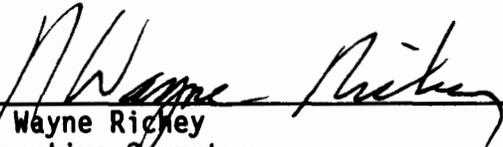
AYE: Duchen, Fitzgibbon, Greig, Harris, Pomerantz, Tyler, VanEkeren, VanGilst, Williams.

NAY: None.

ABSENT: None.

The Board having voted at least two-thirds majority resolved to meet in closed session beginning at 3:01 p.m., recessed at 3:30 p.m., reconvened closed session at 5:30 p.m. on January 11, 1989, and arose therefrom at 5:58 p.m. on that same date.

ADJOURNMENT. The meeting of the State Board of Regents adjourned at 5:58 p.m., on Wednesday, January 11, 1989.



R. Wayne Richey
Executive Secretary