Minutes of the regular meeting of the Board of Regents of the University of Wisconsin System: July 12, 1985. 1985

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MINUTES OF THE REGULAR MEETING

of the

BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

Madison, Wisconsin

Held in the Clarke Smith Room, Room 1820 Van Hise Hall
Friday, July 12, 1985
9:00 a.m.

- President Lawton presiding -

PRESENT: Regents Clusen, Finlayson, Fish, Gerrard, Hanson, Heckrodt, Lawton, Nikolay, Saunders, Schilling, Vattendahl, Veneman and Weinstein

ABSENT: Regents Grover, Knowles and O'Harrow

Upon motion by Regent Nikolay, seconded by Regent Weinstein, the minutes of the annual meeting of the Board of Regents of the University of Wisconsin System, held on June 7, 1985, were approved as mailed to the members of the Board.

REPORT OF THE PRESIDENT OF THE BOARD

Upon motion by Regent Clusen, seconded by Regent Heckrodt, Regent Veneman was unanimously elected to serve as vice president pro tempore at this meeting, since Regent Vice President Knowles was unable to attend.

- Report by Regent Weinstein on his Trip in Observance of the 25th Anniversary of UW-Madison's Junior Year Abroad Program in West Germany

Regent Weinstein gave a video presentation of his visit to the University of Freiburg, West Germany, to participate in the 25th anniversary celebration from June 8 through June 10 of the Junior Year Abroad Program, co-sponsored by the University of Michigan, Wayne State University, Michigan State University and the University of Wisconsin-Madison. Explaining that
the Junior Year Abroad Program was only one of twelve international study opportunities offered by UW-Madison, he said there were programs in ten different countries involving about 350 UW students in any given year. The Freiburg program had 67 students from the United States, 18 of whom were from UW-Madison.

As background, Regent Weinstein noted that Freiburg was founded in the year 1120 and that the University of Freiburg was established in 1457. Currently, Freiburg's population is 175,000 and the university has an enrollment of 24,000 students. Situated where the Rhine Valley penetrates the Black Forest, Freiburg is only 14 miles from the French border to the west and 40 miles from the Swiss border to the south. Freiburg is the capital of the bottled wine industry as well as the capital of the Black Forest.

In the past 25 years, 1,600 American students participated in the Junior Year Abroad Program, admission to which required foreign language skills. Stringent academic requirements, as well as limitations set by foreign universities, ensured the quality of programs offered and qualified them for honors credits.

There were 25 guests from the United States invited to the 25th anniversary celebration, and speeches included an address by Chancellor Shain, who took this occasion to announce receipt by UW-Madison of a special grant to fund a scholarship for graduate students from the University of Freiburg to do research at UW-Madison. This program was to be funded for five years.

Professor Francis Gentry, of the UW-Madison German Department, was this year's Junior Year Abroad Program resident director at Freiburg. In greetings at the anniversary celebration, he commented on the significance of foreign study programs: "Prejudice," he said, "arises through ignorance, which leads very quickly to arrogance and ultimately to violence. If one knows nothing about a foreign culture, if one cannot speak a foreign language, the delusion arises that one's own culture is the only possible one. Foreign study programs work against this limited world view. The overwhelming majority of these students return to the United States with positive impressions. They were forced to come to grips with another culture and another way of thinking. They learned from this experience and became mature citizens of the world--critical in the best sense of the word."

Resolution of Appreciation to President and Mrs. O'Neil

Regent President Lawton read the following resolution and moved its adoption. The motion was seconded by Regent Schilling and unanimously carried.
Resolution 3327: Whereas

Robert M. O'Neil

Has brought to the presidency of the University of Wisconsin System new definitions of dedication, civility and style, and

Karen E. O'Neil

Has provided concomitant components of grace, compassion and hospitality, and

Whereas they have jointly made an unprecedented effort to reach out to the community of scholars who make up this unique educational enterprise and to the citizens of Wisconsin who so generously support this effort, and

Whereas he has fashioned an ever more refined plan for the organization and administration of a university system unparalleled by any other, and

Whereas she has provided the perfect counterpoint and supportive milieu for this remarkably creative effort, and

Whereas they have both exhibited good humor and high spirited wit throughout their tenure at Wisconsin,

be it therefore

Resolved that the Board of Regents of the University of Wisconsin System, on behalf of the faculty, staff and students of this great institution, expresses its profound gratitude to Robert and Karen O'Neil for their peerless service to our educational cause, and

be it further

Resolved that Robert and Karen O'Neil shall henceforth and for all time be known as Honorary President and First Lady of the University of Wisconsin System.

Regent Lawton then presented the resolution, which had been engrossed and framed, to President and Mrs. O'Neil.

- President Lawton presiding -

Respectfully submitted,

- Chancellor Field, UW-River Falls -

Regent Hanson presented Resolution 3328 and moved its adoption. The motion was seconded by Regent Saunders and voted unanimously.
Resolution 3328: WHEREAS he has been the chief administrator of the University of Wisconsin-River Falls for 17 years; and

WHEREAS his unruffled temperament and effective communication skills were well-suited to a period in which students demanded a greater voice in decisions affecting social issues as well as university governance; and

WHEREAS during his term as president, and, more recently, chancellor, the physical facilities of the University of Wisconsin-River Falls have grown to include the E. H. Kleinpell Fine Arts Building, the Centennial Science Hall, and the Walter H. Hunt Arena; and

WHEREAS he has decided to step down from his administrative position to teach education classes in the University's Graduate School and work with the UW-River Falls Foundation;

THEREFORE, be it resolved that the Board of Regents officially recognizes George R. Field for his university leadership and for his sensitivity to student rights and the preservation of a positive working relationship with the faculty; and

BE IT FURTHER RESOLVED that the Board of Regents extends him a full measure of appreciation and gratitude for a job well done and wishes him the very best in his continued service to the University.

Chancellor Field stated that it had been a privilege to work in the UW System for almost 30 years, 25 of which were in administration. From the perspective of having served at both UW-Madison and UW-River Falls, he understood the difficulty of protecting a world-renowned university, while at the same time recognizing excellent teaching institutions which made a different kind of contribution to higher education.

Travel to other states had enhanced his appreciation of the State of Wisconsin and the way in which UW System Regents interpreted their role, particularly the degree of autonomy given individual institutions. "You just can't end an administrative career without saying that the people of the State of Wisconsin ought to be proud of this System. I want to thank President and Mrs. O'Neil for making the chancellors feel welcome in a system that is complex, and also the Regents for running the complex system in a way that other states ought to emulate."

Resolution of Appreciation to Chancellor Guskin, UW-Parkside

Regent Fish presented the following resolution and moved its adoption. The motion was seconded by Regent Hanson and unanimously carried.
Resolution 3329: WHEREAS as only the second chancellor of the University of Wisconsin-Parkside, he devoted 10 years to the development of a full curriculum and a comprehensive array of academic programs; and

WHEREAS under his leadership, the University of Wisconsin-Parkside has significantly upgraded the quality of its faculty, academic programs and research commitment; and

WHEREAS the University has achieved positions of national leadership for its "teaching" library, its academic skills competency requirements and its high school motivational program for minority youth; and

WHEREAS his achievements at UW-Parkside have earned him national recognition and led him to the presidency of Antioch University, an institution with a distinctive niche in American higher education;

THEREFORE, be it resolved that the Board of Regents expresses its gratitude to Alan E. Guskin for his innovative leadership in the development of values central to the educational experience; and

BE IT FURTHER RESOLVED that the Board of Regents extends sincere congratulations and best wishes as he embarks on a distinguished and challenging new assignment.

Expressing his appreciation, Chancellor Guskin stated that he owed a great debt to the Board for the trust placed in him at the age of 38 to lead a university which was then only seven years old, and for giving UW-Parkside the support and the autonomy needed to create one of the finest public undergraduate universities in the country. His debt was also more personal, he added, noting that in 1975 there were very few Jewish university presidents or chancellors, two of whom were in Wisconsin. "Today, times have changed, and there are many Jewish presidents and chancellors. But Wisconsin was a leader because people were being judged on merit and not on family background."

He observed that the high quality of the UW System was statewide and existed when UW-Madison was compared with other flagship campuses, when UW-Milwaukee was compared with other urban universities, and when the University Cluster campuses were compared with other undergraduate state colleges and universities. What made this group of institutions so special, he felt, was a faculty-oriented perspective which encouraged diversity and pluralism, while seeking innovative policies. In accordance with this perspective, a primary orientation of the Regents was not to control faculty, but to strive for consensus, and the role of the chancellor was to be an advocate for the faculty at his or her campus, while at the same time seeking to foster a consensus with other chancellors, the President and the Board.
Explaining that he emphasized the tradition of a faculty-oriented university system because some had suggested that recent experience indicated a need to increase centralized control, he urged the Board to keep in mind the longer perspective and to recognize the recent use of the political arena to resolve internal disagreements as an aberration in a structural arrangement that had otherwise worked well. "I would urge the Board to leave alone a system of relationships that has worked to produce a high quality group of distinctive universities. Unlike a number of people, I would urge you to think in terms of a new president who follows the tradition of decades of leadership; namely, one who is an advocate for the universities and understands how to build a consensus among universities and their chancellors. In brief, talk about the need for greater control, stronger leadership and a tougher board is a misinterpretation of history and represents a serious threat to the integrity of the universities that so many have labored so long and so hard to create and develop."

Update on Legislative Matters

Regent President Lawton commended Vice President Bornstein and Assistant Vice Presidents Breuscher, Martin and Ward for their thorough and effective work with the Legislature during the biennial budget process.

With regard to salary matters, Regent Lawton had testified before the Joint Committee on Employment Relations, which approved salary "keep-up" recommendations and raised the salary maximum for the position of System President to the $100,000 level.

Concerning the budget as a whole, Regent Lawton stated that the university had been treated very well and that many legislators had gone the extra mile in considering the welfare of the UW System above their political interests. "I hope that you will acknowledge it, publicly and with letters to them. We owe a huge debt of gratitude to the Legislature. Secondly, the Governor has been equally supportive. He has stood right by us, behind us and with us through some very difficult times, with much pressure on him." Noting that veto requests had been submitted, Regent Lawton expressed confidence that the Governor would be as responsive as possible and urged that complaints not be made if all veto requests were not granted.

Regent Committee Appointments

Regent Committee appointments for 1985-86 are attached as Exhibit A.
REPORT OF THE PRESIDENT OF THE SYSTEM

Approval of Non-personnel Actions/Informational Items

Presenting Resolution 3330, President O'Neill called attention to a number of items included in the listing: (1) a right-of-way granted by UW-Madison to Wisconsin Bell for an easement on the Charmany Farm, which was a necessary step in evolution of the University Research Park; (2) a grant from the Wisconsin Conservation Corps to UW-Stevens Point for conservation programs at the Environmental Station and the Schmeeckle Reserve, reflecting a special emphasis of that institution; (3) a new agreement concerning the Ecumenical Religious Center at UW-Eau Claire, a campus-affiliated facility which had been a special interest of Chancellor Emeritus Leonard Haas; and (4) an agreement between the Wisconsin Rural Rehabilitation Corporation and the UW-Oshkosh College of Nursing for support of twelve nursing students from Wisconsin farm families with special financial need.

The following resolution was moved by Regent Schilling, seconded by Regent Fish and unanimously adopted:

Resolution 3330: That the report of non-personnel actions by administrative officers to the Board of Regents and informational items reported for the record (copy on file with the papers of this meeting) be received for the record; and that actions included in the report be approved, ratified and confirmed.

Presentation on the Geological and Natural History Survey, UW-Madison and UW-Extension

The presentation was made by Dr. Meredith Ostrom, State Geologist and Director of the Geological and Natural History Survey.

Noting that the Survey was created in 1897, Dr. Ostrom said it was charged by the Legislature with the responsibility of surveying the state's rock, mineral, plant, animal, soil and water resources and coordinating topographic mapping. Within that charge, emphasis had been placed principally on geology, water, climate, and soils. In addition, the Survey was about to complete the first set of topographic maps in the state, which were to be dedicated this fall at a special ceremony in the Governor's office. At about the same time, a forum on the topographic mapping program would be held.

In 1931, the Survey was transferred from its position as a separate agency to the University of Wisconsin, and in 1964 it became part of the UW-Extension.

There currently were 125 projects under way within the Survey's six programs: geology, minerals, soil, water, climate and biology. The Survey employed about 30 people, in addition to whom there were 15 to 20 faculty and as many as 80 students working with the Survey during the course of a year. In conducting projects, there were cooperative relationships with
local governments (municipalities, townships, and counties), state
government (the Department of Natural Resources, the Department of
Transportation, and legislative committees), and the federal government
through formal agreements with the U.S. Geological Survey, the U.S. Bureau
of Mines, the Department of Energy, and the Soil Conservation Service.
Survey personnel also worked with various UW System institutions,
particularly UW-Extension through the Extension outreach network.

Noting that the Survey was the primary source of geological information
about the state, Dr. Ostrom identified the following categories of activity:
data collection and preservation of samples, field surveys, and applied
research. He then described several projects which exemplified the kind of
work done by the Survey.

Involvement in a study of manure storage pits began in 1978 when
concern was expressed by county agents that these pits (which were not
regulated in any way) might be leaking. With cooperation from the
UW-Madison College of Agricultural and Life Sciences and the State
Department of Natural Resources, as well as county agents, the Survey set up
monitoring wells around sites in six different geologic settings and found
that leakage into the ground-water supply was indeed occurring. As a
result, legislation was enacted to require counties to control the planning,
construction, and the siting of such pits, in addition to which the Soil
Conservation Service set forth design requirements for constructing them.

Another project was setting up an automated weather station network to
provide the detailed kind of weather/climate information needed to maximize
crop growth and minimize pest damage. In collaboration with the Cooperative
Extension and the College of Agricultural and Life Sciences, the Survey
established a telephone network to obtain data from six different sites at
university experiment stations which was then disseminated by the UW-Extension WisPlan Network, as well as by commercial radio. The principal
use of this service was in irrigation scheduling and determining when to
make pesticide applications.

A project with a broader focus was the County Land/Water Information
Atlas Series, which was designed to provide the basic information needed to
make decisions on land and resource use such as mining, waste disposal,
water supply, construction siting, and utility routing. The goal was to
develop a series of integrated maps, beginning with first-order maps (on
geology, hydrology, and soils) and ending with fourth-order maps which
indicated suitability or limitations for certain kinds of human activities.

Regent Hanson inquired about the prospect for finding oil in the
northern part of the state.

Estimating that the chance for succeeding was about one in 100,
Dr. Ostrom noted, however, that the Soviet Union had found oil and gas in
similar rocks. To date, he explained, companies had expressed some
interest, but then backed away because the state required revelation of
drill information. There was also current interest in exploration for
diamonds in the state, and it was expected that some might be found, although the Survey's data was not complete enough to provide much further information on that subject.

Regent Lawton asked if the entire state was mapped in the manner Dr. Ostrom had described.

Responding in the negative, Dr. Ostrom said the effort was just beginning, with 13 counties currently being mapped. Indicating that it took one person, working full time, about 18 months to do the background work and produce a single map, he said resources were not available to move ahead on a grand scale at this time. Thought was being given, he added, to computerizing this kind of information, with a laser scanner gathering much of the data needed for the maps.

In response to a further question by Regent Lawton, Dr. Ostrom said that personnel and support could be obtained in a variety of ways, such as linking more closely with campuses throughout the state and utilizing the help of faculty and students.

Introduction of Paul Brown, System Interim Vice President for Physical Planning and Development

Introducing Mr. Brown, President O'Neill noted that he came to the university with many years of experience as Director of the Division of State Facilities Management and as principal staff member to the State Building Commission.

William Kuepper, System Interim Vice President for Academic Affairs

Executive Vice President Lyall reported that William Kuepper, Vice Chancellor of UW-Green Bay, was soon to join System Administration as the Interim Vice President for Academic Affairs.

Current Status of Revisions to Chapter UWS 8, Wisconsin Administrative Code

It was noted by President O'Neill that in April the Joint Committee for Review of Administrative Rules gave the university an additional three months in which to consider further changes in the policy for reporting of faculty and staff outside activities and that the administration planned to report back to the Joint Committee by July 18, as requested.

Reviewing the current status of the proposed amendments, he said that in response to comments by the Committee and Senator Lynn Adelman, it was agreed the university would consider three additional matters: a requirement for reporting of $5,000 or more from a single source; identification of the name of the business or organization from which reportable earnings were
received (with a provision for nondisclosure where appropriate); and retention of a uniform procedure for time reporting of certain outside activities.

Because these major changes had been previously considered but not adopted, the suggestions were referred back to the UWS 8 Revision Committee chaired by UW-Madison Associate Dean Marvin Ebel, and the Committee had now recommended that these changes be included in the proposed rules. While he believed the revision, if finally accepted in that form, would be fully responsive to expressed legislative concern, President O'Neil also concurred with the Revision Committee that the changes were significant enough to warrant full review by the faculty and staff of all institutions. Thus, he intended to report to JCRAR and other interested legislators what he had reported at this meeting and to request an additional period of time for institutional review of the proposed changes. At the end of that process, the revisions would come back to the Board for action.

**July 12, 1985, Memorandum to the Board of Regents**

Stating that this report responded to questions asked by Regent Weinstein and others about the future direction of the UW System, President O'Neil said he had not attempted to chart that course, but simply to identify some factors which might help to chart it and other factors which limited the ability to do so. He had also identified various components of a long-range plan and suggested that, while the UW System did not have a single document bearing those words, virtually all the essential elements were available in some form. His conclusion, therefore, was that planning was alive and well in Wisconsin, even if it did not emerge in what might be considered the most familiar form.

(The memorandum is attached as Exhibit B.)

**July 1985 Final Report to the Board of Regents**

The President noted that this document, which covered his five and a half year tenure in the UW System, expressed at the outset special appreciation to various colleagues, including the chancellors and their associates, Executive Vice President Lyall, other senior administrators, and staff of the President's office.

The report then reviewed activities under a number of headings: personnel and administrative structure; faculty and academic staff welfare; academic programs and policies; fiscal and budgetary matters; University of Wisconsin-Extension; students and student groups; relations with elementary and secondary education; relations with Wisconsin business and industry; libraries; the status of women; and physical facilities.

(The President's Final Report is appended as Exhibit C.)
President O’Neil presented to Regent President Lawton two prints which he and Mrs. O’Neil had acquired during their Wisconsin years and which they felt should remain with the university. The first was from the September 6, 1851, issue of Gleason’s Pictorial Drawing-Room Companion, a weekly magazine published in Boston. It consisted of a picture of Bascom Hill, atop which was a building then called University Hall, flanked by the North and South dormitories. The accompanying text stated: “University of Wisconsin. The institution is founded on a grant, by Congress, of 72 sections of land for the support of a state university. The institution was chartered in 1845. The corporation is a Board of Regents with general university powers. It is already accumulating the means of imparting knowledge, by the formation of a library, the collection of cabinets, etc., and with the manifestations of proper liberality on the part of the public, will confer immeasurable benefit on the present and future generations. In addition to the undergraduate department, the charter provides for departments of Law, Medicine, and Normal instruction. The site is a beautiful eminence, in the Town of Madison, one mile west of the Capitol, commanding a view of the valley of the four lakes—a scene of unrivaled interest and promise, embracing the flourishing Town of Madison with a broad and lovely margin of agricultural lands. Considering the advantages of its position and the probable value of its public endowment, it bids to become the leading institution of the Northwest.”

The second print was from another illustrated publication of the early-to-mid 1880s, containing a similar view of Bascom Hill to which had been added Ladies’ Hall and the new Science Building. On the same page were pictures of the main halls of the State Normal Schools at Oshkosh, River Falls, Whitewater, and Platteville.

"Thus," President O’Neil observed, "more than a century ago, someone clearly foresaw the unity of mission, purpose and character among Wisconsin public institutions of higher learning. The two prints which I would like to present and leave with the Board of Regents capture for me the essence of this great university system which I have been deeply privileged to serve these past five-and-a-half years. There is at its heart and center an extraordinary research institution, which I believe has indeed experienced proper liberality on the part of the public, has surely conferred immeasurable benefit on the present and future generations, and in my view has become unquestionably the leading institution of the Northwest. But the University of Wisconsin is not Madison alone. It is stronger and healthier and serves the people far better because it is also (as the other print indicates) at Oshkosh, at River Falls, at Whitewater, at Platteville, and of course later in other communities as well. If pictures are worth thousands of words, then these two prints capture better than any words I could express the reason why I found this experience at all times challenging, at most times rewarding, and at many times extremely satisfying. I hope my successor will have as good an experience."
JoAnna Richard, President of United Council, reported that the Council had asked Governor Earl for a number of vetoes in the biennial budget. Noting, however, that it was more effective to initiate action than simply to react when measures were before the Legislature, Ms. Richard identified several areas which United Council felt needed further attention by the University.

1. Minority student programs: United Council had requested that the Governor veto sunset provisions for these programs, which should be enhanced and not endangered through provisions for termination.

2. Systemwide transfer of credits among institutions: United Council urged protection of the time and effort invested by students who wished to transfer from one UW institution to another.

3. Promotion of alcohol education and awareness: United Council supported initiation of programs which would bring together administration, faculty, and students to work on this issue.

4. Protecting access to education through low fees and tuition: Commending Regent Nikolay for his negative vote on the fee proposal, Ms. Richard said that although the UW System had no choice but to implement the legislative directive, all those who favored lower fees must express their concerns to the Legislature in a stronger voice.

5. More stable funding for child care facilities: United Council felt the growing number of nontraditional students heightened the need for such facilities, and it was their recommendation that funding for them be provided by non-allocable segregated fees.

6. Enhancement of shared governance to give students a greater voice in decision-making.

Concluding her report, Ms. Richard thanked President O'Neil for his devotion to higher education in Wisconsin. On behalf of United Council, she presented him with a report card and a degree conferring on him the title of "student emeritus."

With reference to Ms. Richard's comments on student fees, Regent Weinstein pointed out that the university had made its case to the Legislature as persuasively as possible, and it was now necessary to face the reality of the decision that had been reached. Therefore, he felt it was important to convey the message that the fee increases before the Board were inevitable under the biennial budget as adopted by the Legislature.

Commending United Council for opposing the fee increase, Regent Nikolay commented that he did not believe such increases were inevitable, but that the Legislature could be expected to continue placing more of the burden on students if they did not make their objections heard.

[Signature]
President of the University, "Diploma" and "report card" given to President O'Neil by United Council of UW Student Governments.
The Committee commended and thanked Regent Schilling for his three years of leadership as Chairman of the Education Committee.

Summarizing Committee review of this report, Regent Clusen called attention to a memorandum from Regent Finlayson outlining her reaction to the report and making a recommendation regarding the methodology employed.

Although some progress was evident in the fact that the percentage of UW System minority enrollment increases had exceeded the percentage of overall enrollment increases, the new freshman statistics were disappointing, and increases were accounted for largely by Asian student enrollments. In the last twelve years, black enrollments were up by 5.5 percent; American Indian enrollments, by 10.8 percent; Hispanic enrollments, by 95 percent; and Asian enrollments, by 300 percent. It was these figures, Regent Clusen pointed out, which were the basis of Regent Finlayson's recommendation.

The Committee concurred with the hope expressed by Dr. Lattin that the Governor would veto the sunset provision attached to the minority/disadvantaged programs in the biennial budget bill.

In discussion, Committee members asked whether minority student figures should include Asian students, given their disproportionate effect on the aggregate statistics. It was noted by Dr. Lattin that minority/disadvantaged coordinators had recently discussed how to set directions based on the information in the annual report and whether to invite outside consultants to advise the System. Regent Finlayson thanked Executive Vice President Lyall and Associate Vice President Lattin for making special visits to minority communities in the interest of increasing minority student representation in the System.

Asking for a balance between program evaluation and pressure on the System to increase minority enrollments, Chancellor Guskin remarked that some of the best programs, particularly pre-college efforts, might have to be supported for years before they showed results.
President O'Neil praised Associate Vice President Lattin for his leadership in setting realistic goals.

Jesus Salas and Marcos Casteneda, of the UW-Madison Chicano student association MECHA, presented a statement to the Committee. In it they expressed concern that Chicano students were not counted separately in the registration process, and they disagreed with setting goals according to high school graduation rates, given the high drop-out rates among minority students. Their statement also cited a need for Chicano faculty and Chicano studies programs, as well as for more Chicanos in the student body.

Sherri Neal, Minority Affairs Director of the United Council of UW Student Governments, together with United Council President JoAnna Richard, commended efforts by the System, but pointed out that few of these initiatives had affected minority enrollments. They cited problems concerning lack of minority faculty and staff, lack of cultural outlets, lack of minority high school graduates, and problems in campus/community environments. United Council initiatives to address these problems were described, including a continuing program of conferences on minority students. Ms. Richard noted that involving minority students in shared governance at UW-Oshkosh provided one example of a way to increase retention.

David Coker, of UW-Stevens Point, who chaired the System Committee on Information Processing Systems, summarized for the Education Committee the report and planning guidelines which had been under development for the last 18-24 months. Noting the underlying assumption that voice, data, and video technologies would have substantial impact on the learning environment, he identified seven themes in the report: (1) The three technologies were now converging, and separate planning for each was no longer viable. (2) Student expectations, demand, and need for these technologies were increasing. (3) Faculty needs were also increasing. (4) Convergence of these technologies offered new opportunities for teaching and research. (5) These new technologies had the capacity to improve the environment for business in Wisconsin. (6) There was a great need for new capital equipment. (7) Existing budgets would have to be supplemented to meet this need.

In discussion, Committee members inquired about whether business could help meet capital equipment needs, and Mr. Coker replied that significant partnerships with business should be explored.

It was moved by Regent Clusen, seconded by Regent Finlayson and unanimously carried that Resolution 3331 be adopted by the Board.

Resolution 3331: The Regents of the University of Wisconsin System endorse the recommendations made in the Strategies for Information Processing as guidelines for use in planning for information processing by each institution in the UW System for the next few years.
Regent Clusen reported that the history of the review was outlined by Executive Vice President Lyall, who noted that a year ago the Board acted on the 22 recommendations in the academic staff report, which were referred then to the institutions and System Administration for examination and implementation. The report now before the Board showed the diversity of institutional responses. System Administration acted on the recommendation that academic staff representatives meet periodically by convening four meetings over the past year, and this practice was to continue. In addition, the new academic staff professional development program had been instituted and initial recipients were announced in May.

Dr. Lyall also reported that an academic staff governance bill was before the Legislature; that the System and the Department of Employment Relations were employing a consultant to study academic staff compensation; and that a System committee was at work developing a new title structure for academic staff.

President O'Neill presented to the Education Committee recommendations I, II, and V of the UW System Advisory Committee on Alcohol Education. Recommendation I was a policy statement which expressed concern over alcohol abuse. Recommendation II sought a change in the Administrative Code, to allow regulation of beverages of .5 percent alcoholic content (which would include beer) and to place control of alcohol in the normal governance process of each institution. Recommendation V addressed marketing and promotion. It was indicated that these recommendations were presented in a manner that made them applicable even if the drinking age were to be changed.

UW-Whitewater Chancellor James Connor, who had chaired the committee, and Jane Coleman, of the System University Relations staff, emphasized the need to change attitudes/behavior connected with alcohol consumption and the importance of continuing the momentum generated by the Advisory Committee's report. A 1-1/2 day workshop was to be held this fall at UW-Whitewater, the first of an annual series on this issue.

It was noted that an editorial change was made in Recommendation II: The words "...in faculty and staff housing, and..." were added in number 13 (a) after the word "except." It was also pointed out that the resolution concerned approval of the recommendations only—not the discussion points which followed.

Adoption by the Board of the following resolution was moved by Regent Clusen and seconded by Regent Weinstein:
Resolution 3332: That, upon recommendation of the President of the
University of Wisconsin System, the Board of Regents
approves Recommendations I, II, and V of the
University of Wisconsin System Advisory Committee on
Alcohol Education.

(The recommendations are attached as Exhibit D.)

In discussion at the Board meeting, Regent Schilling recalled that when
the report had been presented to the Regents in May, it was indicated that
the recommendations were to be referred to the institutions for review. He
inquired as to whether there had been adequate time for completion of that
process.

President O'Neil responded that the chancellors had been asked to
review the report with the hope that action on recommendations I, II and V
could be taken before the start of the new academic year.

Awaiting further review were recommendation III, which dealt mainly
with student programs/activities, and recommendation IV, which dealt with
faculty and staff relations, including employee assistance programs.
Recommendation V, he added, was a Regent directive to chancellors to review
campus practices and policies, in light of guidelines developed by the
Inter-Association Task Force on Alcohol.

Put to the vote, Resolution 3332 was unanimously adopted.

Informational Report on Five-Year Academic Program Reviews of the B.A.
Ethnic Studies and M.S., Criminal Justice at UW-Milwaukee; M.S.,
Recreation, UW-La Crosse; and Masters of Business Administration,
UW-Parkside

Continuing the report of the Education Committee, Regent Clusen
summarized discussion of the above five-year reviews, beginning with
UW-Milwaukee's B.A. in Ethnic Studies. The Committee was advised by Vice
Chancellor Rees that the Ethnic Studies degree was being terminated, but not
courses which comprised the major, all of which were departmentally
based. Faculty were developing a certificate program more in keeping with
the needs and interests of students, and individual programs in
Afro-American Studies and related areas continued. In answer to Committee
questions, she noted that at the time of the review, there were only two
majors in the program. Regent Finlayson emphasized the importance of
incorporating Ethnic Studies throughout the curriculum in order to promote
better understanding in a multicultural society.

Presenting the review of the M.S. degree in Criminal Justice, Vice
Chancellor Rees advised the Committee that the program developed well and
had the capacity to grow. It was determined that minority enrollment
increases should be targeted as a goal and that the program should be better
publicized.
In discussion at the Board meeting, Regent Lawton inquired about the number of Criminal Justice programs in the System.

Executive Vice President Lyall replied that there were programs at UW-Eau Claire, UW-Platteville, UW-Oshkosh and UW-Milwaukee, but that not all were master's programs.

Regent Clusen then summarized Committee review of the M.S. degree in Recreation at UW-La Crosse. Vice Chancellor Wimberly and Recreation Professor Thomas Gushiken explained the difference between this program and the teacher education programs offered in the College of Health, Physical Education and Recreation. The two concentrations within the program were described, and it was pointed out that statistics showed increasing demand for graduates with this kind of preparation. Most students in the program came from and were placed in Wisconsin.

Presenting to the Committee the review of UW-Parkside's Master of Business Administration, Associate Dean Ben Greenebaum and Vice Chancellor Elizabeth Shutler acknowledged that faculty recruitment had been difficult and that, to address this problem, the program would concentrate in the future on developing particular areas of strength. As had been anticipated, the program drew mostly employed individuals who wanted to advance their careers while continuing to work, and over 90 percent of the current MBA students were enrolled on a part-time basis. Noting that the Committee had some questions about the program, Regent Clusen observed that its inclusion in the upcoming study of business programs in the UW System would provide an opportunity for further review.

Resolution 3333: That, upon the recommendation of the President of the University of Wisconsin System and the Chancellor of the University of Wisconsin-La Crosse, the Chancellor of the University of Wisconsin-La Crosse be authorized to recruit for the Dean of the College of Arts, Letters and Sciences.

Resolution 3334 was adopted unanimously by the Board, upon motion by Regent Clusen, seconded by Regent Finlayson:
Resolution 3334: That upon the recommendation of the President of the University of Wisconsin System and the Chancellor of the University of Wisconsin-Madison, the Chancellor of the University of Wisconsin-Madison be authorized to recruit for the Glenn B. and Cleone Orr Hawkins Chair in Political Science.

REPORT OF THE BUSINESS AND FINANCE COMMITTEE

Chairman Weinstein presented the Committee's report, noting that Resolutions 3335-3338 were approved at a portion of the meeting to which all Regents were invited.

Approval of 1985-86 Academic Fee/Tuition Schedule

The fee/tuition schedule for the 1985-86 academic year was presented at the Committee meeting by President O'Neil, who explained the inevitability of those figures and the inability to offer any meaningful alternative since the biennial budget process had been completed. In that regard, several points were noted: the legislative policy to set undergraduate resident fees at 30 percent of instructional costs; the postponement of this policy decision for the current biennium by one-time use of auxiliary reserve balances; the fact that Doctoral Cluster resident fees remained the lowest in the Big Ten; the fact that fee increases were offset to an extent by increases in state support for student financial aid; and the need to review the fee-setting formula for the UW Centers. Associate Vice President Gene Arnn explained the fee formula for those students participating under the Minnesota-Wisconsin Reciprocity Agreement.

Upon motion by Regent Weinstein, seconded by Regent Schilling, the following resolution was adopted by the Board, with Regent Nikolay voting "No."

Resolution 3335: That, upon recommendation of the President of the University of Wisconsin System, the fee/tuition schedules for the 1985-86 academic year and 1986 Summer Session, as shown in Tables 1 and 2 of the Annual Budget Policy Paper #85-86/1, be approved.

(Tables 1 and 2 are attached as Exhibit E.)

It was moved by Regent Weinstein, seconded by Regent Finlayson and unanimously carried, that Resolution 3336 be adopted by the Board:
Resolution 3336: That, upon recommendation of the President of the University of Wisconsin System, the academic fee rates for certified Minnesota residents attending Wisconsin universities and centers under the reciprocity agreement be approved.

Approval of 1985-86 Annual Operating Budget

Regent Weinstein reported that the operating budget for fiscal year 1985-86 was presented in Committee by President O'Neil, who first acknowledged the extraordinary efforts made by a number of university groups throughout the biennial budget process. He pointed out key components of the budget, including recognition of faculty and academic staff salary needs; commitment to instructional laboratory modernization; and increases for library materials. Citing several troublesome aspects of the biennial budget, he mentioned measures dealing with the academic calendar; drastic reduction in the number of positions requested; elimination of inflation offset funding; a decrease in the state's GPR share of the university budget; and the unprecedented use of auxiliary fee reserves to meet instructional expenditures. On balance, however, he felt the budget was a favorable one for the UW System.

Adoption by the Board of Resolution 3337 was moved by Regent Weinstein, seconded by Regent Heckrodt and carried, with Regents Nikolay and Hanson voting "No."

Resolution 3337: That, upon recommendation of the President of the University of Wisconsin System, the operating budget for the fiscal year July 1, 1985 through June 30, 1986 be approved in these estimated amounts, as explained in attached table:

| State Appropriations (Net) | $ 598,319,493 |
| Student Academic Fees (Net) | 207,712,291 |
| Other Funds and Reserves | 686,790,773 |
| **Total** | **$1,492,822,557** |

That, System Administration is authorized to make final budget and accounting changes including the distribution of compensation supplements in accordance with legislative approved authorizations and System policy.

Proposed Guidelines on Use of Facilities and UW Name for Fund Raising

At the Business and Finance Committee meeting, President O'Neil presented an interim report which recommended appointment of a committee to draft guidelines governing solicitation of financial support involving use of the university name and facilities by private individuals and organizations on behalf of university athletic programs. Chancellor Shain
described interim guidelines which had been established for UW-Madison, noting that those guidelines would require modification for compliance with NCAA rules and systemwide policies.

Upon motion by Regent Weinstein, seconded by Regent Vattendahl, Resolution 3338 was adopted unanimously by the Board.

Resolution 3338: That the Board of Regents approves appointment of the committee whose report will come to the Board at its October 1985 meeting, as stated in President O'Neil's July 11, 1985, INTERIM REPORT ON PROPOSED GUIDELINES FOR USE OF FACILITIES AND UNIVERSITY NAME FOR FUND RAISING PURPOSES.

Approval of Gifts, Grants and Contracts

Regent Weinstein reported that the monthly list of gifts, grants and U.S. government contracts was reviewed with the Committee by Vice President Case, who indicated that federal awards totaled $21.7 million in the past month, representing a $4.1 million increase over the same period in the prior year. Total receipts of gifts, grants and contracts were $26.9 million in this first reporting period of the new fiscal year, up $1.5 million over the figures for July 1984.

It was moved by Regent Weinstein, seconded by Regent Fish and unanimously carried that the following resolution be adopted by the Board:

Resolution 3339: That, upon recommendation of the President of the University of Wisconsin System, the gifts, grants and contracts presented at this meeting (copy on file with the papers of this meeting) be accepted, approved, ratified and confirmed; and that, where signature authority has not been previously delegated, appropriate officers be authorized to sign agreements.

Legislative Report

Vice President Bornstein then presented the Committee with a summary of reports, studies and policies recommended by the Joint Committee on Finance, which were included in the 1985-87 biennial budget bill, and an update of other pending legislation affecting the UW System. He reported that the Governor was expected to conclude his consideration of specific line-item vetoes and sign the biennial budget by July 19.

Concern was expressed regarding a recommendation of the Wisconsin Strategic Development Task Force for appointment of a committee by the Governor to review the UW System. It was the Business and Finance
Committee's belief that such reviews were properly the role of the Regents, and appointment of such a committee would be an intrusion into university governance.

Regent Weinstein reported on Committee review of a proposed agreement between WHA-TV and the Wisconsin Educational Communications Board for lease to the ECB of some of the vertical blanking interval capacity on WHA-TV's broadcast signal. The Committee was assured by Vice President Bornstein that no opposition has been expressed regarding the proposed lease.

Resolution 3340 was moved by Regent Weinstein, seconded by Regent Hanson, and unanimously adopted by the Board.

Resolution 3340: That the Board of Regents of the University of Wisconsin System, upon the recommendations of the President of the University of Wisconsin System and the Chancellor of the University of Wisconsin-Extension, approves the "VBI Use Agreement" under which WHA-TV leases lines in the vertical blanking interval to the Wisconsin Educational Communications Board for inclusion in ECB's "Agreement for Data Delivery" with the Public Broadcasting Service. Appropriate officers of the University of Wisconsin System are authorized to execute the "VBI Use Agreement" with the Wisconsin Educational Communications Board.

Reporting to the Committee on trends in student financial aid, Associate Vice President Albert Beaver noted that students were assuming greater indebtedness for their college education. He was requested by the Committee to provide information regarding loan write-offs.

Concluding his report, Regent Weinstein said the Committee was advised by Vice President Case that the year-end reserve for revenue shortfall and other contingencies was estimated to be $1.5 million.

He also reported that Irene King, recording secretary for the Committee, was to retire at the end of the month. The Committee extended its appreciation to Mrs. King for her many years of faithful service.
The entire Board joined in a round of applause in recognition of her career of public service.

REPORT OF THE PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Chairman Heckrodt presented the report of the Committee.

The first item on the Committee's agenda concerned concept and budget reports for physical education facilities at UW-Eau Claire, UW-River Falls and UW-Stout. Although only the UW-Eau Claire and UW-River Falls projects were included in the System's 1985-87 capital budget, legislative action had added the UW-Stout project to the budget bill. To expedite planning and construction if the three projects were enumerated in the budget, requests for approval of concept and budget reports were brought forward at this time. With the exception of the UW-River Falls project (which now included an addition to the existing facility, but no remodeling), the only changes made to the concept and budget reports approved in 1981 related to inflationary adjustments.

Regent Heckrodt moved and Regent Fish seconded the following resolution, which was adopted unanimously by the Board:

Resolution 3341: That, upon the recommendation of the UW-Eau Claire Chancellor and the President of the University of Wisconsin System, the concept and budget report for the 1985-87 McPhee Physical Education Center Addition be approved at a cost of $5,439,000 from General Obligation Bonding and authority granted to plan, bid and construct, contingent on the project's enumeration in the State's 1985-87 biennial budget.

At UW-River Falls, the new facility, constructed as a separate structure providing 47,360 assignable square feet of space at a cost of $3,646,000, would be located adjacent to the Hunt Arena on the south campus.
and the nearby athletic fields. The building would have a new lobby connected to the existing lobby of the Hunt Arena to allow multiple use of those facilities.

In Committee discussion, Regent Lawton moved to amend the resolution by providing that the building be named the Robert P. Knowles Physical Education and Recreation Center. He stated that it was the desire of many that this building at Regent Knowles’ alma mater—for which he had expended so much effort over the years—be named in his honor. Chancellor Field told the Committee he felt such action would be endorsed by the university community.

Upon motion by Regent Heckrodt, seconded by Regent Weinstein, Resolution 3342 was unanimously adopted by the Board.

Resolution 3342: That, upon the recommendation of the UW-River Falls Chancellor and the President of the University of Wisconsin System, the concept and budget report for the Robert P. Knowles Physical Education and Recreation Center be approved at a cost of $3,646,000 from General Obligation Bonding and authority granted to plan, bid and construct, contingent on the project’s enumeration in the State’s 1985-87 biennial budget.

Approval of Major Project Concept and Budget Report, UW-Stout

The UW-Stout project, as approved in 1981 by the Board of Regents and the Building Commission, had proceeded into design, but had not received construction approval from either the Board or the Building Commission because of funding constraints. The project was added to the 1985-87 budget bill on the Assembly floor.

The addition, at a revised cost of $5 million, provided for 43,908 assignable square feet of space and would be brick-faced to match the existing unit. It would be sited to the south on presently owned property, with minimal effect on the campus traffic pattern. The revised budget included funds for relocating two metal buildings on the site, for use elsewhere on the campus, and also provided for approximately 6,000 square feet of remodeling within the existing Physical Education Building.

The Committee generally concurred with adding this project to the approved UW System 1985-87 capital budget, since it was a request that had been advanced in the past several biennia. Because of the manner in which the Regents’ authority to plan and prioritize projects was contravened by legislative action on this matter—and not because of any lack of support for the merits of the project—Regent Nikolay indicated he could not vote in the affirmative.

Upon motion by Regent Heckrodt, seconded by Regent Schilling, Resolution 3343 was adopted by the Board, with Regents Hanson and Nikolay voting "No."
Regent Heckrodt reported on Committee consideration of requested authority for UW-Eau Claire to renew the Eau Claire Joint School District's lease of Park School (the former campus laboratory school), for which the Board of Education would pay $50,000 for heat, electricity, services and depreciation. The agreement for joint use of this facility had been in effect since 1972, with previous agreements being for three-year terms. The current proposal was for a one-year term with a one-year renewal option at the discretion of the Eau Claire Board of Education.

Adoption by the Board of the following resolution was moved by Regent Heckrodt and seconded by Regent Nikolay:

Resolution 3344: That, upon the recommendation of the UW-Eau Claire Chancellor and the President of the University of Wisconsin System, authority be granted to renew the lease with Eau Claire Joint School District No. 5 providing for joint utilization of the UW-Eau Claire Park School Building for educational purposes for the one-year period commencing with the 1985-86 year with a one-year renewal option at the request and discretion of the Eau Claire Board of Education. The school district shall pay $50,000 in 1985-86, for services, heat, utilities, and depreciation, with annual payments to be made in ten equal monthly installments beginning September 30, 1985.

In discussion at the Board meeting, Regent Fish inquired about the use to which the university put the portion of the building it occupied.

Chancellor Schnack replied that three rooms in the basement were used for classes in elementary education, and one end of the building housed a child-care center.

Regent Fish asked if the university planned to take over the entire building.

It was indicated by Chancellor Schnack that the reason for changing to a one-year lease was to begin discussion in the coming year about continued use of the facility. The Board of Education was studying the possibility of constructing an additional elementary education building on the south side
of the city, after which they would no longer need the Park School lease. There was, however, debate within the community regarding the neighborhood school concept versus construction of a larger facility. From the university's perspective, there was demand for expansion space, which could be met by utilizing the elementary school portion of the Park School building.

Regent Fish commented that the university should not become involved in a community dispute and should not be in the position of bailing out the school board.

In that the university would be able to use all the space in the Park School, Chancellor Schnack felt the question currently was whether or not it would be necessary to ask the school board to move to another site. An effort was being made to give the school board and the community notice that the university was considering possible use of the entire facility.

The question was put on Resolution 3344, and it was adopted unanimously.

Approval of Land Transaction, UW-Madison Research Park

The Committee considered a request by UW-Madison for amendment of Board Resolution 2953 to provide authority to seek rezoning and proceed with final platting on the University Research Park being developed on the former Charmany-Rieder Farms. The university wished to request rezoning an additional 50 acres for research park purposes and to change identification of 50 acres which had been tentatively planned for residential purposes. Further authority was also requested to proceed with the final platting of approximately 50 acres on the west side of the park, since CUNA preferred to purchase 50 acres on the west side of the farm instead of on the northeast corner. This location was preferable to the university, since it would allow development of an additional 50 acres for research-park purposes in a contiguous pattern. If the rezoning and replatting were approved by the city, it was expected that a request would be brought to the Board in September to sell the 50 acres to CUNA.

Regent Heckrodt moved adoption by the Board of the following resolution and the motion was seconded by Regent Weinstein:
Resolution 3345: That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, Regent Resolution Number 2953, adopted on November 11, 1983, be amended to grant authority for the University to seek rezoning by the City of Madison for an additional 50 acres for research park purposes (totaling 100 acres) and to drop the approximate 50 acres for residential purposes as shown on the map on file with the papers of this meeting and entitled "Present Zoning, April 1985," and

Further, that authority be granted to proceed with the final platting on the approximate 50 acres of the west side of the Charmany Farm, identified as "CUNA/CUNA Mutual Insurance Proposed C-2" on the above referenced map.

In discussion at the Board meeting, Regent Hanson inquired about the city's inclination toward rezoning.

Responding that preliminary discussions indicated the city was supportive of this change, Chancellor Shain showed a map which depicted the two 50-acre parcels. The proposed changes, he stated, would be an advantage in development of the research park and were in accord with the desires of the city, the Building Commission and the university.

In response to a question by Regent Fish, the chancellor said the broadcasting tower was not located on either of these parcels.

Regent Hanson asked about provision for residential zoning.

Chancellor Shain explained that the resolution was somewhat misleading, in that the parcel had not actually been designated for residential use, but instead was specified as either office park or residential, because it was not known when plans were initially made what need ultimately would be established. Under this request, the use would be offices for CUNA, he noted, adding that the city supported having CUNA, which needed expansion space, stay in this area. Also, the Building Commission felt the research-park parcels should be contiguous, which would be the case under this proposal.

In response to a question by Regent Heckrodt, Chancellor Shain said no part of the former farm property was planned for residential use at this time.

Put to the vote, Resolution 3345 was unanimously adopted.

Approval of Land Transaction, UW-Parkside

Regent Heckrodt reported on Committee review of a request by UW-Parkside for authority to execute a quit-claim deed transferring lands to
Kenosha County and an easement to allow the county to construct improvements to County Highway "E" at the southern boundary of the campus, consistent with understandings at the time the Kenosha County Board transferred land to the state as a site for the university. Noting that the road currently was very narrow, he remarked that the plan to broaden it was a much-needed improvement.

It was moved by Regent Heckrodt and seconded by Regent Weinstein that the following resolution be adopted by the Board:

Resolution 3346: That, upon the recommendation of the UW-Parkside Chancellor and the President of the University of Wisconsin System, authority be granted to the President or Vice President and Secretary or Assistant Secretary of the Board to execute a quit claim deed reverting to Kenosha County land adjacent to Highway E on the southern border of the campus necessary to construct the presently proposed Highway E improvement project. Lands transferred shall be in conformity with the line of development as shown upon the exhibits filed in the Regent records and describing the current Highway E improvement project, and includes the present right-of-way.

Authority is also granted for said officers of the Board to execute a limited highway easement on behalf of Kenosha County for the completion of such highway improvement work and,

Further, as a part of this action, UW-Parkside is committed to maintaining the integrity of additional lands represented as lands included within the proposed right-of-way line, shown upon the referenced exhibits describing the current highway project, as a corridor reserved for the need in the future to expand Highway E to a four-lane highway. By recognizing the protected corridor status of the lands, the University agrees that it must bear the cost of replacing any fixed improvements it constructs upon these lands when they are destroyed to meet the future need of a four-lane Highway E expansion project.

In turn, the County has made clear its intent to be responsible for all costs involved in replacing any buildings presently existing in this protected corridor.

In discussion at the Board meeting, Regent Fish referred to the last two paragraphs of the resolution and asked if there were any buildings in the protected corridor.
Chancellor Guskin replied that the corridor came right up to the chancellor's residence and the conference center, meaning that under the proposed agreement, the county would provide compensation if a four-lane highway were built. He added, however, that this prospect was at least a decade away. There would be no fiscal commitment by the university unless a building were to be constructed in the protected corridor.

The question was put on Resolution 3346, and it was unanimously adopted.

Approval of Land Transaction, UW-River Falls

The Committee then considered a request by UW-River Falls to purchase approximately 65 acres of agricultural land as an addition to its campus laboratory farm. The farm consisted of 130 acres, of which 80 were tillable—an acreage not adequate to support the dairy cattle and horses located there. It was therefore necessary to rent 630 acres. Addition of this land would nearly double the tillable acreage of the farm, protect it from residential encroachment, and also ensure its preservation for agricultural use during the life of the farm operation. The land proposed for acquisition bordered on a residential development, which accounted for the requested price per acre and the need to purchase the property at this time to prevent it being sold for residential expansion.

Upon motion by Regent Heckrodt, seconded by Regent Nikolay, the following resolution was unanimously adopted by the Board:

Resolution 3347: That, upon the recommendation of the UW-River Falls Chancellor and the President of the University of Wisconsin System, authority be granted to secure an option and to purchase the following described 65± acre parcel of land in Pierce County at a cost of $2,850 per acre from Program Revenues (Farm Account). This land is contiguous to the Campus Laboratory Farm and will be used to provide additional croplands.

Approval of Minor Projects, UW-Milwaukee, UW-Stevens Point and UW-Whitewater

Reporting on Committee approval of four minor projects, Regent Heckrodt referred first to the UW-Milwaukee request for $225,000 to cover the cost of remodeling 2,200 square feet of open space in the Great Lakes Research Facility into research laboratories, support areas and offices. He asked Chancellor Horton to comment on the need for the project.

The chancellor advised the Board that this request was related to a gift from the Milwaukee Foundation for a chair in the biological sciences. A noted scientist had been recruited for that position, and the renovation would provide laboratory space for him and his research team which consisted of six or seven persons to be supported with extramural funds.
Regent Heckrodt reported that there were two requests for UW-Stevens Point, the first involving ventilation improvements in the Science Building chemistry laboratories, at an estimated cost of $207,000, in order to safeguard the health of persons working in that area. The second UW-Stevens Point request was for $197,000 of program revenues to construct parking-lot improvement projects.

UW-Whitewater requested $43,400 to eliminate serious flooding problems on the lower floor of Winther Hall.

Adoption by the Board of the following resolution was moved by Regent Heckrodt and seconded by Regent Nikolay:

Resolution 3348: That, upon the recommendation of the UW-Milwaukee, Stevens Point and Whitewater Chancellors and the President of the University of Wisconsin System, the following minor projects be approved and authority granted to plan, bid and construct, at the costs and from the funding sources indicated.

- Great Lakes Research Facilities Laboratory Remodeling, $225,000, 1985-87 State Building Trust Funds
- Science Building Chemistry Laboratory Ventilation
- Parking Lots X and B and Parking Lot T Project ($207,000 - Planning; Estimated project cost: $207,000), 1985-87 General Fund Supported Borrowing - Health, Safety and Environmental Allocation
- Winther Hall Emergency Groundwater Removal, $43,400, 1985-87 Minimum Maintenance Allocation
- Parking Lots X and B and Parking Lot T project, $197,000, Program Revenues
- UW-Whitewater - $43,400 - Approval

In discussion at the Board meeting, Regent Fish inquired about the fee to be charged for the UW-Stevens Point parking lots.

Chancellor Marshall replied that parking in lot T would continue to be $48 a year, but lots X and B would have coin-operated gates.

In response to further questions by Regent Fish, the Chancellor said the $197,000 would pay for a total of 300 parking spaces in the three lots. Approximately 160 more parking spaces were being planned, for which a request would be made in the future.

Put to the vote, Resolution 3348 was unanimously adopted.
Approval of 1987-89 UW-Milwaukee Lapham Hall Science Center Addition Space Management and Utilization Plan and Approval of Request for Advance Planning

Continuing his report, Regent Heckrodt summarized Committee discussion of the Lapham Hall project. The comprehensive Study of Space Management and Utilization relating to the Lapham Hall Science Center and addition, as required by the State Building Commission when it approved the System's capital budget, now had been completed and was being presented for Regent consideration. The Building Commission indicated that when a satisfactory space utilization report had been prepared, advance planning funds could be released to develop architectural plans for the total facility in 1985-86 in order to be ready for 1987-89 construction funding, with the presumption that this project would receive high ranking on the Regents' priority list for the 1987-89 capital budget. It was further contingent upon a requirement that such a Regent-approved plan for the project would first be presented to the Building Commission for its review and approval. The outcome of the study was to recommend the full project, but with a smaller amount of space than had originally been considered necessary. Initially estimated to cost $20,000,000, the project now had a budget of $18,340,000, which included $4,582,000 for movable and special equipment.

System Administration's endorsement of the plan was contingent upon UW-Milwaukee's completion of an approved program statement, the creation of a University Space Management Office, and university development of approved special and movable equipment lists.

If approved by the Regents, System Administration staff would be authorized to submit the plan to the State Building Commission for its action, accompanied by a request for release of $355,000 of advance planning funds to develop the concept and budget report.

Presenting the report to the Committee, Chancellor Horton emphasized the useful purposes it served. He also complimented all those who had expended great effort to complete it, and Committee members added their commendation to those associated with creating the report. It was pointed out that the document would serve as a prototype for similar space management studies throughout the System.

It was moved by Regent Heckrodt and seconded by Regent Nikolay that Resolution 3349 be adopted by the Board.

Resolution 3349: That, upon the recommendation of the UW-Milwaukee Chancellor and the President of the University of Wisconsin System, approval be given to the 1987-89 Lapham Hall Science Center Addition (LHSCA) Space Management and Utilization Plan which involves a change in the scope of the project to include a total project with a cost of $18,340,000; and.

and authorization to request of State Bldg Commission, advance planning funds.
Further, that authority be granted to submit a request to the State Building Commission for the release of $355,000 of advance planning funds to prepare a concept and budget report for the total project consistent with the Regent approved LHSCA Space Management and Utilization Plan, contingent upon the completion of a UW System Administration approved Program Statement (Parts I and II) for the project and the establishment of a University Space Management Office. The approval is also contingent upon the development of detailed equipment lists that are approved by System Administration staff.

In discussion at the Board meeting, Regent Fish stated that he supported the need for upgrading Lapham Hall. Noting, however, that the capital budget request was for $10 million, he asked if the Building Commission was advised that the $10 million covered only for the first phase of the project.

Chancellor Horton indicated that the earlier assumption was that half the project would be constructed in the current biennium and that it would be completed in the next biennium. The delay of the first portion meant the whole project would be completed in the 1987-89 period.

Vice President Brown concurred that the Building Commission's decision was that, rather than construct the first phase in this biennium, there would be a total space evaluation, after which the whole project would be voted.

The question was put on Resolution 3349, and it was unanimously adopted.

Report of the Vice President

In his report to the Committee, Vice President Brown stated that, at its June 24 meeting, the State Building Commission approved all the System requests submitted. However, it modified the request from UW-Parkside relating to deeding of land for development of single-student housing to require reversion to the Regents of the second 9-acre parcel if it were not developed within three years. The transfer was to be effective on July 15, 1985, unless the Building Commission chair called a special meeting on or before that date to address potential problems relating to the economic viability of the project and conditions surrounding reversionary or restrictive covenants affecting future transfer of the property. Several meetings had already taken place, and it was understood that the Governor would call a special meeting for July 24, the date of the State Building Commission meeting. Also, staff of the Division of State Facilities Management were to review the plans and specifications to satisfy themselves that the project was being built to generally accepted state standards. It was indicated that there did not seem to be any insurmountable problems, and the process was proceeding on a cooperative basis.
In a status report on legislative action on the UW System's 1985-87 biennial capital budget, Mr. Brown said it was approved through the legislative process as recommended by the State Building Commission in March, with the following exceptions: (1) inclusion of the Physical Education Building addition and remodeling project for UW-Stout; (2) reduction in the "all agency" allocation for minimum maintenance by $8.3 million from the $37.5 million approved by the Building Commission; (3) substitution of $5.2 million in borrowed funds for a similar amount of cash funding for minor projects, health/safety and handicapped accessibility projects.

The Legislature, therefore, was providing only $3.7 million of general purpose revenue cash for the entire statewide building program of $168 million. Consequently, borrowed funds would have to be used for almost all of the projects, including the smaller maintenance ones. Overall, Regent Heckrodt pointed out, the UW System had fared well in the capital budget process, having 23 major projects approved, plus the UW-Stout project, for a total of approximately $40,639,000.

On behalf of the Committee, Regent Heckrodt welcomed Paul Brown to his new position as Interim Vice President for Physical Planning and Development.

**ADDITIONAL RESOLUTIONS**

**Cancellation of Meeting Scheduled for August 9, 1985**

Upon motion by Regent Schilling, seconded by Regent Nikolay, Resolution 3350 was unanimously adopted.

Resolution 3350: That the Board of Regents meeting scheduled for August 9, 1985, be cancelled.

**UNFINISHED AND MISCELLANEOUS BUSINESS**

Review of Decision of UW Center Appeals and Grievance Committee in the Matter of Mr. Dean Patterson

Regent President Lawton stated that after brief presentations by counsel for each party, the Board would recess into closed session to conduct deliberations on the matter.

Appearing on behalf of Mr. Patterson, Attorney John Williamson suggested referral to a legal subcommittee or examiner all questions of constitutional law and questions arising under Chapter 227 of the State Statutes, as well as the issue of whether Mr. Patterson received an evidentiary hearing as required by the Supreme Court decision. Due to time...
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limitations, the only issue he wished to discuss at this meeting was whether the Board of Regents had granted or should grant power to the executive dean and chancellors to terminate a tenured faculty member's employment for failing to fulfill his or her obligations without proceeding against that person under Chapter UWS 4 of the Administrative Code. Noting that section UWS 6.01 dealt with cases in which the chancellor thought a tenured faculty member had done something inappropriate but not serious enough to terminate employment, he said even rights guaranteed by that section were denied Mr. Patterson.

Chapter 4, he continued, set forth the procedure for terminating the employment of a tenured faculty member, with severe restrictions placed on the chancellor's authority. In that regard, the chancellor could not terminate the employee or cut off his salary. What he could do was file charges against the faculty member, which would be heard by colleagues and at which hearing the faculty member would receive full due process of law. The faculty member would know what the charges were and in what way the chancellor believed he had failed to fulfill his obligations in such a serious manner that it warranted termination. It would be necessary to prove those charges, and while the process was going on, the faculty member continued to draw a salary. Only after these proceedings would the Board of Regents have the authority to terminate employment if it concluded the burden of proof had been met.

Stating that nowhere was a chancellor given authority to terminate a tenured faculty member in addition to that which was provided in the Administrative Code, Mr. Williamson said it nonetheless was Executive Dean Ratner's position that he could simply state that Mr. Patterson failed to fulfill his obligations in such a fashion that it could be labeled a constructive resignation.

If that could occur, he argued, all the protections that tenured faculty members had under Chapter 4 dissolved. Salary could be taken away immediately, charges did not have to be proven, and the executive dean or chancellor was not required to testify at the hearing as to the reasons for determining that the conduct in question warranted the term "constructive resignation."

Because the procedure used in Mr. Patterson's case did not provide for continuation of salary pending a decision by the Regents, Mr. Williamson contended that the Board was placed in a situation of financial conflict, in that Mr. Patterson would be entitled to back pay and the University would be exposed to the possibility of punitive damages, compensatory damages, and attorneys fees if it were determined that his constitutional rights had been violated. There was no need, Mr. Williamson argued, to put this kind of pressure on the university, particularly since the executive dean or any chancellor could be wrong in deciding that certain conduct constituted a constructive resignation. In that regard, he noted that one of the members of the UW Centers Appeals and Grievance Committee had written in a dissenting opinion that, in his view, Instructor Patterson had conducted himself in such a way that he could have been terminated under Chapter 4 proceedings, but that he had not constructively resigned. Pointing out that under Chapter 4, all tenured faculty had the same procedural rights, he said that was not true in this kind of case. The reason there were no uniform
procedures for constructive resignation, he suggested, was that the Board did not grant power to heads of institutions to terminate employment in this fashion.

Stating that it was not necessary to claim powers not provided in the Administrative Code, he said Chapters 4, 5 and 6 were sufficient to run a university and to discipline where necessary those tenured faculty members who were not fulfilling their obligations.

Concluding his remarks, Mr. Williamson commented that, in his view, an extraordinarily important principle was involved in this case because tenure and academic freedom could not flourish if, alongside the disciplinary powers set forth in the Administrative Code, there existed an unexpressed power which was much greater than had been granted under those rules.

Appearing on behalf of Executive Dean Ratner, Attorney Patricia Hodulik first responded to points made by Mr. Williamson. No one in the Centers administration, she stated, had ever claimed the extensive right to terminate tenured faculty members without a hearing by resorting to characterization of their conduct as resignation. Dr. Ratner did take the position that a tenured faculty member, like any other employee, could end an employment relationship by his or her own conduct through resignation, and that this was what occurred in Mr. Patterson's case. Stating that the Wisconsin Supreme Court considered this situation where, on the one hand, Mr. Patterson's behavior suggested he had voluntarily resigned but, on the other hand, he contended he had not done so, she said the court's conclusion was that the process due Mr. Patterson was that his case should be reconsidered on the narrow issue of whether he did resign or whether he had been terminated. In accordance with that mandate, a hearing was held by the Centers Appeals and Grievance Committee in November 1984, at which Mr. Patterson had the opportunity to present his case.

Stating that the underlying facts in this matter were not in substantial dispute, Ms. Hodulik outlined as follows the incidents that led to characterization of his conduct as a resignation. In 1977, complaints were received about his teaching, which resulted in an investigation being initiated within the Center System. Mr. Patterson went on leave during the course of this investigation, and when he returned in the fall of 1978, no students had enrolled in his courses. Since he was a tenured faculty member but had no classes to teach, the administration determined that it was necessary to give him an alternative assignment, and such an assignment was created for him. While Mr. Patterson agreed to the assignment, she stated, he never showed up to perform the work. Correspondence followed in which he was told to report for work and reminded of his obligation. After being warned several times, he was advised that his conduct was considered to constitute a resignation.

Stating that these were facts which Mr. Patterson did not deny, she commented that when he had the opportunity last November, he presented no sufficient justification for failing to perform his assignment. It was Ms. Hodulik's contention that the record in this case supported the finding of the Appeals and Grievance Committee, which was accepted by Executive Dean Ratner. She urged the Board to agree that Mr. Patterson's conduct was
indeed a constructive resignation. Further, she argued that no due process right of Mr. Patterson's was violated in connection with the proceeding which occurred in November, adding that the Supreme Court made clear in its decision that the hearing to which Mr. Patterson was entitled was to be held in accordance with Section UWS 6.02 of the Administrative Code and that was the type of hearing Mr. Patterson received.

Regent Schilling asked Attorney Hodulik what the record showed with respect to the reason Mr. Patterson's conduct was characterized as a constructive resignation.

In response, Ms. Hodulik explained that, prior to the fall of 1978, there had been a series of interactions between Mr. Patterson and Dr. Daniel VanEyck, who at that time was Associate Chancellor of the Center System, during which Mr. Patterson had discussed the possibility of resigning. Under those circumstances, his failure to report for work appeared to be in the nature of a resignation. There was also at that time a question as to whether the investigation into his conduct would result in any kind of formal charging process, but a decision had never been reached because Mr. Patterson's prior absences made it difficult to fully evaluate his conduct and teaching. Therefore, she felt the record showed that his conduct was more suggestive of an intent not to continue employment than misconduct which would warrant proceeding in accordance with Chapter 4.

Mr. Williamson pointed out that Mr. Patterson appeared on campus on January 23, 1979. He then wrote a letter to Chancellor Fort advising him that he had reported for work that day as required by Dr. VanEyck's letter, but that he found it impossible to work on that campus for reasons which he indicated. In that same letter, he stated specifically that he was not resigning and that he refused to resign except under certain conditions, which were not met. Even so, by a letter dated February 6, 1979, Chancellor Fort terminated his employment retroactive to January 23, 1979.

Mr. Williamson considered the term "constructive resignation" to be a contradiction in that it was not the familiar voluntary act but a characterization of conduct as not fulfilling an obligation.

Regent Weinstein posed to Mr. Williamson the following two questions: (1) Whether it was his client's position that tenure was a license or a right with concomitant responsibilities; and (2) whether he envisioned any circumstances under which a tenured faculty member might be considered to have resigned without using the actual words "I resign."

As to the first question, Mr. Williamson said he viewed tenure as involving responsibilities. If Mr. Patterson was not fulfilling those responsibilities in the judgment of Chancellor Fort, Mr. Williamson thought the Chancellor should have brought charges against him and then proven those charges. However, no charges had ever been brought against Mr. Patterson, and Mr. Williamson felt there thus was a substantial dispute about the facts in this case.

Responding in the negative to the second question, Mr. Williamson explained that he took that position because the alternative was to open an unnecessary gap in the protections which must be afforded to tenured faculty
members. Pointing out that Chapter 4 provided for service on persons who could not be located, he said this chapter anticipated even the situation in which a faculty member's whereabouts were not known and it thus was intended to cover all types of situations. Noting, however, that this was not the case with Mr. Patterson, he said no reason had been offered as to why Chancellor Fort could not have brought charges if he felt Mr. Patterson was not fulfilling his obligations to the university. Under the procedure utilized by the Centers, he added, Executive Dean Ratner also was not required to state whether he thought Mr. Patterson was not fulfilling his obligations, whereas Chapter 4 proceedings were set up to elicit such information. It was Mr. Williamson's opinion that Chapter 4 provided a mechanism in all cases to terminate a person who did not say "I resign," but failed to perform his or her duties, even if that person had left the country. To circumvent the Chapter 4 procedures, in his view, would open the door to expanding the power of chancellors to the point where the exception could possibly become the rule. Stating that Mr. Patterson's case was an example of why exceptions should not be allowed, he said there was no definition of constructive resignation. Mr. Patterson was accused of negotiating in bad faith with the chancellor, and these negotiations were viewed by the administration as constructive resignation.

In response to a question by Regent Fish, Mr. Williamson indicated that Mr. Patterson had not received pay from the university for the past six years.

Regent Fish asked if it were true that the issue raised by Mr. Williamson at this stage was not whether Mr. Patterson's employment should have been terminated, but only whether the proper procedure was followed. The response to this issue had been that constructive resignation was an appropriate characterization of his conduct.

Mr. Williamson and Ms. Hodulik responded in the affirmative, and Ms. Hodulik added that the case had been remanded to the Board by the Supreme Court on the narrow issue of whether what occurred was constructive resignation or termination.

Regent Schilling asked Mr. Williamson what relief was sought by his client.

Mr. Williamson responded that Mr. Patterson asked to be reinstated with full back pay and granted attorney's fees, because no charges had ever been brought against him.

Regent Schilling then asked if Mr. Williamson was requesting that Chapter 4 proceedings be initiated.

In response, Mr. Williamson said he had not commented on the substance of the case because there had been no evidentiary hearing and thus there were no facts before the Board. While the question of whether to bring charges would be up to Executive Dean Ratner, Mr. Williamson's opinion was that it would be too late to do so, since Mr. Patterson's employment was terminated six years ago. Stating that it was necessary to go to the Supreme Court twice to obtain a hearing, Mr. Williamson said the type of hearing finally given by the Centers Appeal and Grievance Committee did not
require charges to be stated and did not allow Mr. Patterson to ask questions, cross-examine witnesses or bring Chancellor Fort and Executive Dean Ratner as witnesses.

Noting that Dr. Ratner's activities were governed by the fact that he was a party in litigation, Regent Schilling pointed out that the focus in the matter before the Regents should be on what happened before the day when Mr. Patterson's conduct was deemed to be a constructive resignation, not on what happened since that time.

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At 12:15 p.m., the following resolution, moved by Regent Weinstein and seconded by Regent Hanson, was unanimously adopted on a roll call vote, with Regents Clusen, Finlayson, Fish, Hanson, Heckrodt, Lawton, Nikolay, Saunders, Schilling, Vattendahl, Veneman and Weinstein voting "Aye" (12), and no Regents voting "No."

Resolution 3351: That the Board of Regents recess into closed session to deliberate on a case which was the subject of a quasi-judicial hearing, as permitted by s. 19.85(1)(a), Wis. Stats.; to consider personnel matters, as permitted by s. 19.85(1)(c), Wis. Stats., to consider personal histories, as permitted by s. 19.85(1)(f), Wis. Stats.; and to confer with legal counsel, as permitted by s. 19.85(1)(g), Wis. Stats.

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CLOSED SESSION ACTIONS

The Board arose from closed session at 1:40 p.m. and announced adoption of the following resolutions:
Resolution 3352: That, upon the recommendation of the President of the University of Wisconsin System and the Executive Dean of the UW Centers, the following appointments be made to the UW Centers Board of Visitors for terms ending July 1, 1988:

- Mr. John W. Hommes, of Rice Lake, to succeed Mr. Russell Brown;
- Ms. Beatrice Placek, of Marshfield, to succeed Mr. James Boehm;
- Ms. Joan M. Waite, of Clinton, to succeed Mr. Lloyd Hornbostel;
- Mr. Charles W. Conrardy, Jr., of Sheboygan, to succeed Mr. Jacob Hildebrandt;
- Ms. Janet L. Hubbell, of New Holstein, to succeed Mr. Allan Kiekhaefer;
- Mr. Thomas H. Mihal, of Waukesha, to succeed Mr. Martin Frank.

Resolution 3353: That, upon the recommendation of the President of the University of Wisconsin System and the UW-Superior Chancellor, the following appointments be made to the UW-Superior Board of Visitors for terms ending July 1, 1988:

- Mr. William Goligoski, of Superior, to succeed Mr. John McPaul;
- Ms. Nan Rene Olson, of Superior, to succeed Mr. Siinto Wessman.

And that the following reappointments be made for terms ending July 1, 1988:

- Mr. Robert Gee, of Superior;
- Mr. Ernest Korpela, of Ashland;
- Mr. Douglas Moodie, of Superior.
Resolution 3354: That, upon the recommendation of the President of the University of Wisconsin System and the Chancellor of UW-Whitewater, the following appointments be made to the UW-Whitewater Board of Visitors for terms ending June 30, 1988:

- Appointed to UW-Whitewater Bd. of Visitors for term ending 6/30/88, R 3354, p. 39
  - Dr. Thomas Gobel, of Fort Atkinson, to succeed Mr. John F. Graham;
  - Dr. John Negley, of Whitewater, to succeed Mr. Donald McPherson

And that the following reappointments be made for terms ending June 30, 1988:

- Reappointed to UW-Whitewater Bd. of Visitors for term ending 6/30/88, R 3354, p. 39
  - Mr. William B. Fardy, of Mequon
  - Mr. William Wolfe, of Waukesha

The Board voted to table until the September 6, 1985, meeting the petition for review of the decision of the UW Centers Appeals and Grievance Committee in the matter of Mr. Dean Patterson, R 3354, p. 39

The meeting was adjourned at 1:40 p.m.

August 2, 1985

Judith A. Temby
Secretary
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MADISON

GIFT-IN-KIND

1. ANONYMOUS DONOR
   REFRIGERATOR
   MSN ENGR CHEMICAL ENGR

2. PROF. GLENN A. SONNEDECKER
   MADISON, WI
   ZEITSCHRIFT FUER BUCHERFREUNDE (24 VOLS.)
   MSN LIBR GENERAL LIBRARY

3. PROF. MADELEINE DORAN
   MADISON, WI
   2 EARLY 17TH CENTURY WORKS OF GUARINI
   MSN LIBR GENERAL LIBRARY

4. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   COMPUTER FURNITURE
   MSN ENGR ENGR EXPER STA FUSION TEC

5. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   SANYO TAPE RECORDER & TRANSCRIPTIONER
   MSN GRAD U IND RES PROG U IND RES

6. JANE LAMBARDO
   MADISON, WI
   HORSE REBEL; CHESTNUT QUARTERHORSE (REGISTERED)
   GELDED
   MSN UNION GENERAL

7. GLORIA AND JOHN TURGESON
   MADISON, WI
   2 LARGE MIRRORS 3’ X 6’
   MSN UNION GENERAL

8. TIMOTHY A. MUUS, M.D.
   MINNETONKA, MN
   M-20 HULL, JOHNSON
   MSN UNION GENERAL

9. PAUL E. CHAPMAN
   SANTA CRUZ, CA
   FINN, TEEL #934
   MSN UNION GENERAL

10. GUS KRESSIN
    MADISON, WI
    C-SCOW, PALMER
    MSN UNION GENERAL

11. RESEARCH LABORATORIES
    WARREN, MI
    VARIAN VACUUM SYSTEM - RL-36807, RI-45099
    MSN ENGR ENGR EXPER STA MATERLS SC
UNIVERSITY OF WISCONSIN - MADISON

GIFT-IN-KIND

12. HEWLETT PACKARD COMPANY
   FORT COLLINS, COLORADO
   SET OF THREE 9050AM COMPUTER SYSTEMS.
   MSN ENGR CMPT-AIDED ENGR

13. PROF. MARGARET MONROE
    MADISON, WI
   67 VOLUMES DEALING WITH LIBRARY SCIENCE AND ADULT
   EDUCATION
   MSN LIBR GENERAL LIBRARY

14. MR. AND MRS. WILFRID J. HARRIS
    MADISON, WI
   BOOK-WOMAN AND LABOR
   MSN LIBR GENERAL LIBRARY

15. MR. S.C. VAN NISPEN
    CHICAGO, IL
   LANDSCAPE ETCHINGS BY THE DUTCH MASTERS OF THE
   SEVENTEENTH CENTURY
   MSN LIBR GENERAL LIBRARY

16. PROFESSOR TIMOTHY A. FARMER
    MADISON, WI
   2 COPIES OF READING IN COST ACCOUNTING, BUDGETING
   AND CONTROL
   MSN LIBR GENERAL LIBRARY

17. ZENITH RADIO CORPORATION
    GLENVIEW, IL
   PROJECTION TV
   MSN ENGR ADMINISTRATION

18. UNIVERSITY SURGICAL ASSOCIATES
    MADISON, WI
   TWO ORIGINAL COLORED LITHOGRAPHS BY MARC CHAGALL,
   NUMBERED AND HAND-SIGNED: "MONUMENTAL" AND
   "L'ACCORDÉONIST",
   MSN HS-MED SURGERY

19. HEWLETT PACKARD
    PALO ALTO, CA
   HP1000/A900 SYSTEM WITH MAC AND GRAPHICS
   CAPABILITIES.
   MSN ENGR ENGR EXPER STA MFG SY ENG

20. INGERSOLL CUTTING TOOL COMPANY
    ROCKFORD, IL
   7 INDEXABLE FACE MILL CUTTERS, 13 INDEXABLE END
   MILL CUTTERS, 14 ROTARY TOOL HOLDERS, 170 INSERTS
   MSN ENGR ENGR EXPER STA MFG SY ENG
INSTRUCTION

1. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   HOUGEN, OLAF A.--PROFESSORSHIP
   MSN ENGR CHEMICAL ENGR (TRUST) 10,000.00

2. AGRIC, SCIENCE AND EDUCATION ADMIN.
   WASHINGTON, DC
   NATIONAL NEEDS FELLOWSHIPS IN MARKETING
   FOR THE PERIOD 09-15-84 THROUGH 03-31-88
   AT A TOTAL COST OF $151,038.00
   AWARD # 84-GRAD-9-0004, MOD. 1
   MSN AG&LSC AG ECONOMICS (144-W087) 57,606.00

3. EDUCATION, DEPT OF
   WASHINGTON, DC
   IN SUPPORT OF THE FOLLOWING:
   1) GRADUATE AND PROFESSIONAL STUDY FELLOWSHIPS
      GRANT
      FOR THE PERIOD 09-01-85 THROUGH 08-31-86
      AWARD # GOOB540141
      MSN GRAD ADMINISTRATION ADMIN (144-W653) 142,800.00
   2) LIBRARY CAREER TRAINING PROGRAM - FELLOWSHIPS
      FOR THE PERIOD 07-01-85 THROUGH 09-30-86
      AWARD # GOOB510011
      MSN GRAD L&S LIB SCHOOL (144-W717) 12,000.00

4. WI DEPT OF PUBLIC INSTRUCTION
   MADISON, WI
   PRIME CONTRACTOR WITH DED
   COMPUTER APPLICATIONS IN TEACHING VOCATIONAL
   AGRICULTURE
   FOR THE PERIOD 03-01-85 THROUGH 06-30-85
   AWARD # P.O. PAE 02962
   MSN AG&LSC CONT & VOC EDUC (144-W683) 50,000.00

5. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
   ROCKVILLE, MD
   NIMH CLINICAL TRAINING/HUMAN RESOURCE DEVELOPMENT
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # 5 TO1 MH18042-02
   MSN L&S SOCIAL WORK (144-W681) 28,581.00

6. DHHS, PHS, HEALTH RESOURCES AND SERVICES ADMIN
   ROCKVILLE, MD
   IN SUPPORT OF THE FOLLOWING:
   1) GRANTS FOR PROGRAMS FOR PHYSICIAN ASSISTANTS
      FOR THE PERIOD 07-01-85 THROUGH 06-30-86
      AWARD # 5 D21 PE15186-06
      MSN HS-A H ADMINISTRATION (144-W679) 47,510.00
   2) PREDOCTORAL TRAINING IN FAMILY MEDICINE
      FOR THE PERIOD 07-01-85 THROUGH 06-30-86
      AWARD # 5 D15 PEB50305-03
      MSN HS-MED FAM MED & PRACT (144-W698) 106,781.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

7. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
   BETHESDA, MD
   IN SUPPORT OF THE FOLLOWING:

1) GRADUATE TRAINING IN CELLULAR AND MOLECULAR BIOLOGY
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # 2 T32 GM07215-11
   MSN GRAD BIO PHYSICS (144-W658) 790,531.00

2) POSTDOCTORAL TRAINING IN CHEMICAL CACINOGENESIS
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # 5 T32 CA09020-11
   MSN HS-MED ONCOLOGY (144-W690) 118,571.00

3) TRAINING IN VIRAL ONCOLOGY
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # 2 T32 CA09075-11
   MSN HS-MED ONCOLOGY (144-W691) 75,508.00

4) SENSORY PHYSIOLOGY AND BIOPHYSICS
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # 2 T32 NS07026-10
   MSN HS-MED NEUROPHYSIOLOGY (144-W702) 98,349.00

5) PREDOCTORAL TRAINING PROGRAM IN GENETICS
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # 2 T32 GM07133-11
   MSN AG&LSC GENETICS (144-W735) 320,911.00

6) POSTDOCTORAL TRAINING PROGRAM IN MEDICAL GENETICS
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # 5 T32 GM07131-10
   MSN HS-MED GENETICS (144-W736) 134,171.00

7) M.H. CLINICAL SERVICES RESEARCH
   POSTDOCTORAL TRAINING
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # 5 T32 MH17139-03
   MSN HS-MED PSYCHIATRY (144-W777) 138,640.00

8. WISC DEPT OF NATURAL RESOURCES
   MADISON, WI
   COOPERATIVE INTERNSHIP AGREEMENT FOR
   THE PERIOD 06-03-85 THRU 08-23-85
   AWARD # 85-2 GUENTHER
   MSN ENV ST INSTRUTNL PROG INSTR PROG (133-J158) 1,680.00

9. WISC DEPT OF NATURAL RESOURCES
   MADISON, WI
   1985 SUMMER WATER RESOURCES MANAGEMENT WORKSHOP
   FOR THE PERIOD 05-23-85 THRU 09-30-85
   AWARD # P.O. #NRE 94910
   MSN ENV ST INSTRUTNL PROG INSTR PROG (133-J176) 6,350.00
UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

10. DANFORTH FOUNDATION
ST. LOUIS, MO
INTERNATIONAL EDUCATION IN WISCONSIN SCHOOLS
FOR THE PERIOD 06-01-85 THRU 06-30-88
MSN EDUC GENERAL ADMIN DEANS OFF (133-J255) 72,930.00

11. MULTIPLE DONORS
SUPPORT AGRICULTURAL ECONOMICS GRADUATE TRAINING
PROGRAM
MSN AG&LSC AG ECONOMICS (133-3859) 20.80

12. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
ACCOUNTING FACULTY ASSISTANCE GRANT
MSN BUS SCH OF BUSINESS (133-6111) 500.00

LIBRARIES

1. RISTEEN, WILFORD A. ESTATE
CHIPPEWA FALLS, WI
RISTEEN FLORA SCHRANKEL--LIBRARY FUND
MSN HS-NUR (TRUST) 10,000.00

2. COUNCIL OF WISCONSIN LIBRARIANS, INC.
MADISON, WI
WISCONSIN LIBRARY CONSORTIUM FOR
THE PERIOD 07-01-85 THRU 06-30-86
MSN LIBR WIS INTL LIB SVCS (133-B180) 90,196.00

3. MULTIPLE DONORS
SPECIAL SUPPORT FOR COOPERATIVE CHILDREN'S
BOOK CENTER
MSN L&S LIB&INF ST (133-D098) 321.92

4. COUNCIL OF WISCONSIN LIBRARIANS, INC.
MADISON, WI
WISCONSIN INTERLIBRARY SERVICES (WILS)
FOR THE PERIOD 07-01-85 THRU 06-30-86
MSN LIBR WIS INTL LIB SVCS (133-8791) 283,913.00

MISCELLANEOUS

1. MADISON (CITY OF)
DEPARTMENT OF PUBLIC HEALTH
MADISON, WI
AGREEMENT TO PROVIDE SERVICES CONSISTING OF
DIAGNOSIS, TREATMENT AND FOLLOW-UP OF SEXUALLY
TRANSMITTED DISEASES FOR MADISON RESIDENTS FOR
THE PERIOD 01-01-85 THRU 12-31-88
MSN HS-UHS HEALTH SVC-MISC HEALTH SVC

2. HCA FOUNDATION
NASHVILLE, TN
MEDICAL SCHOOL RENOVATION PROJECT FUND
MSN HS-MED ADMINISTRATION DEANS OFFC (TRUST) 350.00
MISCELLANEOUS

3. MULTIPLE DONORS
   DEPARTMENT OF BACTERIOLOGY DISCRETIONARY FUND
   MSN AGB&SC BACTERIOLOGY (TRUST) 48.28

4. MUTCHEL, SHERRY
   DE PERE, WI
   MUTCHEL, IAN--MEMORIAL FUND
   MSN HS-MED (TRUST) 125.00

5. OPINION RESEARCH CORPORATION
   PRINCETON, NJ
   B-J ELECTRIC SUPPLY CO
   MADISON CHANCELLOR'S SPECIAL FUND
   MSN G & A (TRUST) 25.00

6. CITIBANK
   NEW YORK, NY
   WEEKS, LEWIS G. BEQUEST
   WEEKS, LEWIS G. #2--GEOLOGY AND GEOPHYSICS
   MSN L&S GEOL & GEOPHYSICS (TRUST) 60,000.00

7. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
   BETHESDA, MD
   THIRD INTERNATIONAL WORKSHOP ON RENAL
   INSUFFICIENCY IN CHILDREN
   FOR THE PERIOD 09-01-84 THROUGH 08-31-85
   AT A TOTAL COST OF $21,016.00
   AWARD # 3 R13 AM34590-0151, MOD. 1
   MSN HS-MED PEDIATRICS (144-W077) 20,000.00

8. WI DEPT OF HEALTH & SOCIAL SERVICES
   MADISON, WI
   PRIME CONTRACTOR WITH DHHS PHS NIH
   SOFTWARE CONSULTANT SERVICES - DIVISION OF
   CORRECTIONS
   FOR THE PERIOD 05-09-85 THROUGH 06-30-86
   AWARD # P.O. FCE-4685
   MSN EDUC WIS VOC STU CTR W VOC ST C (144-W646) 32,288.00

9. NATIONAL ENDOWMENT FOR THE HUMANITIES
   WASHINGTON, DC
   LEGAL HISTORY PROGRAM
   FOR THE PERIOD 01-01-84 THROUGH 12-31-86
   AT A TOTAL COST OF $162,996.86
   AWARD # RO-20705-84, MOD. 4
   MSN LAW LAW SCHOOL (144-U127) 8,153.64

10. VETERANS ADMIN
    MADISON, WI
    SPECIALIZED MEDICAL RESOURCES-RADIOLOGY
    FOR THE PERIOD 10-01-84 THROUGH 09-30-85
    AT A TOTAL COST OF $214,781.03
    AWARD # V607P-950, MOD. 9
    MSN HS-MED RADIOLOGY (144-W072) 4,229.67
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<td>MINNESOTA MINING AND MANUFACTURING FOUNDATION, INC</td>
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<td>SUPPORT FIELD GEOLOGY FELLOWSHIPS</td>
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### UNIVERSITY OF WISCONSIN - MADISON

#### MISCELLANEOUS

21. **U O P FOUNDATION**  
   DES PLAINES, IL  
   UNRESTRICTED FUND IN THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING  
   MSN ENGR CIVIL & ENV ENGR (133-E382) 500.00

22. **U O P FOUNDATION**  
   DES PLAINES, IL  
   UNRESTRICTED FUND IN THE DEPARTMENT OF CHEMICAL ENGINEERING  
   MSN ENGR CHEMICAL ENGR (133-E383) 1,000.00

23. **MULTIPLE DONORS**  
   ASHLAND EXPERIMENT STATION SPECIAL EVENTS ACCOUNT  
   MSN AG&LSC EXPER ST-ASHLAND (133-E536) 100.00

24. **MULTIPLE DONORS**  
   ADMINISTRATIVE AND CLERICAL SUPPORT STAFF IN THE DEPARTMENT OF NEUROLOGY  
   MSN HS-MED NEUROLOGY (133-E647) 880.00

25. **UNIVERSITY OF WISCONSIN FOUNDATION**  
   MADISON, WI  
   DEPARTMENT OF GEOLOGY AND GEOPHYSICS CHAIRMAN'S DISCRETIONARY ACCOUNT  
   MSN L&S GEOL & GEOPHYSICS (133-E941) 9,000.00

26. **UNIVERSITY OF WISCONSIN FOUNDATION**  
   MADISON, WI  
   E X X O N FACULTY ASSISTANCE GRANT  
   MSN ENGR CHEMICAL ENGR (133-FO86) 22,000.00

27. **UNIVERSITY HOSPITAL INTERNISTS**  
   MADISON, WI  
   UNIVERSITY HOSPITAL INTERNISTS' PROGRAM SUPPORT  
   MSN HS-MED MEDICINE (133-F102) 87,000.00

28. **UNIVERSITY OF WISCONSIN FOUNDATION**  
   MADISON, WI  
   WORKSHOP ON THE COMPANION TO TRADITIONAL CHINESE LITERATURE  
   MSN L&S E ASIAN LANG&LIT (133-F246) 880.00

29. **MULTIPLE DONORS**  
   ANALYTICAL SERVICE ACCOUNT  
   MSN HS-PHR PHARMACY (133-F529) 40.00

30. **UNIVERSITY OF WISCONSIN FOUNDATION**  
    MADISON, WI  
    DISCRETIONARY FUNDS FOR SPECIAL DEPARTMENTAL REQUESTS  
    MSN HS-MED (133-G052) 4,747.32

31. **UNIVERSITY OF WISCONSIN FOUNDATION**  
    MADISON, WI  
    CHANCELLOR'S DEVELOPMENT AWARD IN THE CREATIVE ARTS 1985-86  
    MSN L&S AFRO-AM STUDIES (133-G137) 5,000.00
### UNIVERSITY OF WISCONSIN - MADISON

**MISCELLANEOUS**

32. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
CHANCELLOR’S DEVELOPMENT AWARD IN THE  
CREATIVE ARTS 1985-86  
MSN L&S  
THEATRE & DRAMA  
(133-G138)  
5,000.00

33. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
CHANCELLOR’S DEVELOPMENT AWARD IN THE  
CREATIVE ARTS 1985-86  
MSN FR&S CS  
FAM RSRC&CONS SC  
(133-G139)  
5,000.00

34. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
ROBOTICS COURSE DEVELOPMENT  
MSN ENGR  
MECHANICAL ENGR  
(133-G189)  
10,000.00

35. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
CAPITAL EQUIPMENT FUND FOR MECHANICAL ENGINEERING  
MSN ENGR  
MECHANICAL ENGR  
(133-G482)  
400.00

36. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
SIGN, SYMBOL, SCRIPT EXHIBIT  
MSN L&S  
HEBREW & SEM STU  
(133-G580)  
1,500.00

37. MULTIPLE DONORS  
DISCRETIONARY ACCOUNT FOR USE OF THE  
"MADISON REVIEW PUBLICATION"  
MSN L&S  
ENGLISH  
(133-G643)  
428.87

38. UNIVERSITY HEALTH CARE, INC.  
MADISON, WI  
QUALITY ASSURANCE, MONITORING AND COORDINATION  
OF MEDICAL CARE ACTIVITIES  
MSN HS-MED  
MEDICINE  
(133-G652)  
2,821.97

39. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
CENTER FOR HEALTH ECONOMICS AND LAW EXPENSES  
MSN L&S  
ECONOMICS  
(133-G662)  
18,949.75

40. MULTIPLE DONORS  
CHINESE LITERATURE, ESSAYS, ARTICLES AND REVIEWS  
MSN L&S  
E ASIAN LANG&LIT  
(133-G849)  
500.00

41. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
CONSERVATION OF VAN VLECK PRINTS  
MSN L&S  
ELVUM MUSEUM ART  
(133-G889)  
855.00

42. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
FACULTY RECRUITING AND MOVING EXPENSES  
MSN HS-MED  
(133-H086)  
10,000.00
## GIFTS, GRANTS AND CONTRACTS
### JULY 12, 1985

UNIVERSITY OF WISCONSIN - MADISON

### MISCELLANEOUS

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GIFTS, GRANTS AND CONTRACTS  
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

54. MIDWEST UNIVERSITIES CONSORTIUM  
   FOR INTERNATIONAL ACTIVITIES  
   COLUMBUS, OH  
   EMPLOYEE INTERCHANGE FOR THE PERIOD  
   06-01-85 THRU 12-31-85  
   MSN G & A INTL STU & PROGS  
   (133-J227) 6,000.00

55. UNIVERSITY OF WISCONSIN FOUNDATION  
   MADISON, WI  
   CURRY MURAL PROJECT  
   MSN AG&LSC ADMIN-DEAN & DIR  
   (133-J228) 1,700.00

56. UNIVERSITY OF WISCONSIN FOUNDATION  
   MADISON, WI  
   WOMEN'S STUDIES RESEARCH CENTER NEWSLETTER  
   MSN L&S WOMEN'S STUDIES RESRCH CTR  
   (133-J232) 9,000.00

57. MIDWEST UNIVERSITIES CONSORTIUM  
   FOR INTERNATIONAL ACTIVITIES  
   COLUMBUS, OH  
   CONFERENCE ON LAND USE IN LESS DEVELOPED COUNTRIES  
   FOR THE PERIOD 07-01-83 THRU 06-30-84  
   MSN AG&LSC LAND TENURE CTR  
   (133-J258) 2,380.00

58. NATO  
   BRUSSELS, BELGIUM  
   NATO ADVANCED RESEARCH WORKSHOP ON MOLECULAR  
   BIOLOGY OF PHYSARUM POLYCEPHALUM  
   MSN HS-MED ONCOLOGY  
   (133-J264) 15,431.32

59. UNIVERSITY OF WISCONSIN FOUNDATION  
   MADISON, WI  
   CHANCELLOR'S DEVELOPMENT AWARD IN THE  
   CREATIVE ARTS  
   MSN EDUC ART  
   (133-J302) 5,000.00

60. SCHOOL OF BUSINESS DEAN'S DISCRETIONARY GRANT  
   MSN BUS SCH OF BUSINESS  
   (133-0179) 5,973.40  
   UNIVERSITY OF WISCONSIN FOUNDATION  
   MADISON, WI  
   500.00 MULTIPLE DONORS  
   6,473.40

61. UNIVERSITY OF WISCONSIN FOUNDATION  
   MADISON, WI  
   AID IN PUBLICATION OF SPANISH STUDIES AND BOOKS  
   MSN GRAD L&S SP & PORT  
   (133-0650) 1,000.00

62. MULTIPLE DONORS  
   CONSORTIUM FOR GRADUATE STUDY IN MANAGEMENT  
   MSN BUS SCH OF BUSINESS  
   (133-5984) 925.00

63. DEPARTMENT OF MATHEMATICS CHAIRMAN'S  
   DISCRETIONARY FUND  
   MSN L&S MATHEMATICS  
   (133-7391) 91.00 MULTIPLE DONORS  
   1,500.00 WILEY (JOHN) & SONS, INC.  
   NEW YORK, NY  
   1,591.00
66. SENSORY AND CHEMICAL PROPERTIES OF FOOD FLAVORS
    MSN AG&LSC FOOD SCIENCE (133-8343)
    775.00 MULTIPLE DONORS
    1,875.00 FANNY FARMER CANDY SHOPS, INC.
    BEDFORD, MA
    3,000.00 GENERAL MILLS, INC.
    MINNEAPOLIS, MN
    1,625.00 FANNY FARMER CANDY SHOPS, INC.
    BEDFORD, MA
    7,275.00

67. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    DEPARTMENT OF CHEMICAL ENGINEERING CHAIRMAN'S
    DISCRETIONARY GRANT
    MSN ENGR CHEMICAL ENGR (133-8366)
    20,000.00

68. ENVIRONMENTAL AWARENESS CENTER DEVELOPMENT FUND
    MSN AG&LSC N R-ENVIR AWARE (133-8925)
    126.00 MULTIPLE DONORS
    900.00 UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    1,026.00

69. MULTIPLE DONORS
    SCHOOL OF JOURNALISM AND MASS COMMUNICATION
    DISCRETIONARY ACCOUNT
    MSN L&S JOURN & MASS COM (133-9465)
    150.00

PHYSICAL PLANT

1. HOUSING AND URBAN DEVELOPMENT, DEPT OF
   WASHINGTON, DC
   INTEREST SUBSIDY GRANT FOR UNION SOUTH
   AWARD # CH WIS 132(S)
   MSN
   58,340.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

1. LILLY (ELI) AND COMPANY
   INDIANAPOLIS, IN
   AGREEMENT TO PROVIDE RESEARCH PLASMIDS
   MSN HS-PHR PHARMACY

2. MULTIPLE DONORS
   COLLINS, HORACE--LEUKEMIA RESEARCH
   MSN HS-MED MEDICINE HEMATOLOGY (TRUST) 145.00

3. DOANE, RUSSELL & NANCY
   MENOMONIE, WI
   DEPARTMENT OF PLANT PATHOLOGY RESEARCH ON RED
   KIDNEY BEAN DISEASE
   MSN AG&LSC PLANT PATHOLOGY (TRUST) 2,000.00

4. CIBA-GEIGY CORPORATION
   GREENSBORO, NC
   PLANT DISEASE RESEARCH FUND
   MSN AG&LSC PLANT PATHOLOGY (TRUST) 2,000.00

5. STEVE J. MILLER FOUNDATION
   MARSHFIELD, WI
   OPHTHALMOLOGY DEPARTMENT MORPHOLOGIC STUDIES
   FUND
   MSN HS-MED OPHTHALMOLOGY (TRUST) 7,000.00

6. FLODIN, THELMA H.
   KINGFORD, MI
   C-D PETER B. MITCHELL
   HUMAN ONCOLOGY GENERAL RESEARCH SUPPORT--
   DR. TORMEY B. MITCHELL
   MSN HS-MED HUMAN ONCOLOGY (TRUST) 13,177.50

7. GREENFIELD, DR. NORMAN
   MADISON, WI
   HANSON, ANNA EMERY
   ELMHURST, IL
   DEPARTMENT OF PSYCHIATRY RESEARCH FUND
   MSN HS-MED PSYCHIATRY (TRUST) 20,700.00

8. MILLS, MARION L.--HEART RESEARCH
   MSN HS-MED
   (TRUST)

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9. BARABO UNIVERSITY FUND, INC
BARABO, WI
MCCARDLE LABORATORY FOR CANCER RESEARCH
DISCRETIONARY FUND
MSN HS-MED ONCOLOGY
(TRUST ) 4,950.00

10. WISCONSIN CLINICAL CANCER CENTER--RESEARCH
MSN HS-MED HUMAN ONCOLOGY
(TRUST )

1,871.50  MULTIPLE DONORS
575.00  MULTIPLE DONORS  $575.00
2,060.00  MULTIPLE DONORS
1,220.00  MULTIPLE DONORS

1,983.50

11. HERITAGE TRUST COMPANY
MILWAUKEE, WI
ARMBRUSTER, DR. JOHN--MEDICAL SCHOOL FUND
MSN HS-MED
(TRUST ) 8,000.00

12. MULTIPLE DONORS
BRYAN, MARY LINTHICUM--MEMORIAL LECTURE
MSN HS-MED HUMAN ONCOLOGY
(TRUST ) 2,140.00

13. UNIVERSITY OF WISCONSIN
MADISON, WI
INCOME IS AVAILABLE FOR AN INVESTIGATION OF THE
INSTANTANEOUS PRAIRIE RESPONSE.
LANDSCAPE ARCHITECTURE--PRAIRIE RESPONSE
MSN AG&LSC NR-LANDSCAP ARCH
(TRUST ) 1,250.00

14. AGRICULTURE, DEPT. OF
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
1) COOPERATIVE AGREEMENT- USDA SOIL CONSERVATION
FOR THE PERIOD 06-01-83 THROUGH 09-30-85
AT A TOTAL COST OF $90,400.00
AWARD # 90221, MOD. 2
MSN AG&LSC NR-LANDSCAP ARCH
(144-T303) 18,000.00

2) RESEARCH APPRENTICESHIP FOR HIGH SCHOOL
STUDENTS
FOR THE PERIOD 06-07-85 THROUGH 08-31-85
AWARD # AGR DTD 4/26/85
MSN GRAD ADMINISTRATION ADMIN
(144-W657) 2,349.00

15. BINATIONAL AGRICULTURAL RESEARCH AND
DEVELOPMENT FUND
BET DAGAN, ISRAEL
PRIME CONTRACTOR WITH AGRIC
EPIDEMIOLOGY AND CONTROL OF BACTERIAL SOFT ROT
DISEASES IN POTATOES
FOR THE PERIOD 11-01-83 THROUGH 10-31-85
AT A TOTAL COST OF $73,000.00
AWARD # I-581-82, MOD. 1
MSN AG&LSC PLANT PATHOLOGY
(144-T921) 40,000.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

16. AGRIC, FOREST SERVICE
    MADISON, WI
    IN SUPPORT OF THE FOLLOWING:

   1) DETERMINE THE FEASIBILITY OF USING NON-RESINOUS
      GYMNOSPERMS FOR MAINTENANCE OF CAMBIAL ACTIVITY
      AND DIFFERENTIATION
      FOR THE PERIOD 07-01-85 THROUGH 06-30-86
      AWARD # FP-85-0752
      MSN AG&LSC N RSRCS-FORESTRY  (144-W778)  5,655.00

   2) PILOT PROGRAM - RESPONSE CHARACTERIZATION OF WOOD
      FRAMED SHEAR PANELS UNDER DYNAMIC LOADING
      FOR THE PERIOD 06-20-85 THROUGH 10-31-85
      AWARD # FP-84-0637, MOD. 1
      MSN ENGR ENGR EXPER STA CIVIL&ENV  (144-W784)  3,072.67

17. AGRIC, SCIENCE AND EDUCATION ADMIN.
    ARLINGTON, VA
    MECHANISM OF ACTION OF PHOSPHOENOLPYRUVATE
    CARBOXYLASE
    FOR THE PERIOD 09-01-83 THROUGH 08-31-87
    AT A TOTAL COST OF $205,000.00
    AWARD # 83-CRCR-1-1297, MOD. 1
    MSN L&S CHEMISTRY  (144-T693)  115,000.00

18. AGRIC, SCIENCE AND EDUCATION ADMIN.
    WASHINGTON, DC
    BIOCHEMICAL AND MOLECULAR CHARACTERIZATION OF
    PLANT UBIQUITIN
    FOR THE PERIOD 07-01-85 THROUGH 06-30-88
    AWARD # 85-CRCR-1-1547
    MSN AG&LSC HORTICULTURE  (144-W755)  169,000.00

19. OREGON STATE SYSTEM OF HIGHER EDUCATION
    MONMOUTH, OR
    PRIME CONTRACTOR WITH DED
    COMMUNICATION SKILLS CENTER FOR DEAF-BLIND
    FOR THE PERIOD 10-01-83 THROUGH 09-30-85
    AT A TOTAL COST OF $63,265.00
    AWARD # AGR DTD 09-30-83, MOD. 1
    MSN L&S COMMUN DISORDERS  (144-T926)  39,738.00

20. WI DEPT OF HEALTH & SOCIAL SERVICES
    MADISON, WI
    PRIME CONTRACTOR WITH DHHS
    PREVENTION OF TAP WATER SCALD BURNS OF INFANTS
    AND PRESCHOOL CHILDREN
    FOR THE PERIOD 01-01-85 THROUGH 12-31-85
    AWARD # D1022, P.O. FAE-01075
    MSN HS-MED PEDIATRICS  (144-W283)  15,104.00

21. DHHS, OFFICE OF THE SECRETARY
    WASHINGTON, DC
    IN SUPPORT OF THE FOLLOWING:
RESEARCH

1) MIGRATION, SOCIOECONOMIC WELL-BEING AND PROGRAM PARTICIPATION OF MINORITIES AND IMMIGRANTS 1960-1980 FOR THE PERIOD 07-01-85 THROUGH 06-30-87 AWARD # 40A-83 MSN L&S INST-RES ON POV (144-W765) 309,008.00

2) STUDY OF THE HOMELESS FOR THE PERIOD 07-01-85 THROUGH 06-30-87 AWARD # 40A-83 MSN L&S INST-RES ON POV (144-W766) 285,090.00

22. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM ROCKVILLE, MD POSTDOCTORAL FELLOWSHIP AWARD FOR THE PERIOD 10-01-84 THROUGH 09-30-85 AT A TOTAL COST OF $33,000.00 AWARD # 3 F32 MH09392-01S1, MOD. 1 MSN L&S PSYCHOLOGY (144-W090) 10,284.00

23. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH BETHESDA, MD IN SUPPORT OF THE FOLLOWING:

1) EXPERIMENTAL THERAPY OF SOLID TUMORS FOR THE PERIOD 01-01-84 THROUGH 08-31-85 AT A TOTAL COST OF $539,351.00 AWARD # 3 PO1 CA20432-08S1, MOD. 1 MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (144-U006) 75,461.00

2) F-18 FLUOROHexasdecanoiD ACID IN THE ISOLATED RAT HEART FOR THE PERIOD 02-01-84 THROUGH 06-30-85 AT A TOTAL COST OF $108,052.45 AWARD # 5 RO1 HL27970-03, MOD. 1 MSN HS-MED MEDICAL PHYSICS (144-U047) 20,768.00

3) ULTRASONIC SCATTER IN SOFT TISSUE PHANTOMS FOR THE PERIOD 05-01-84 THROUGH 07-31-85 AT A TOTAL COST OF $110,250.00 AWARD # 3 RO1 GM03022-03S1, MOD. 1 MSN HS-MED MEDICAL PHYSICS (144-U327) 22,556.00

4) BIOMEDICAL RESEARCH SUPPORT GRANT FOR THE PERIOD 04-01-85 THROUGH 03-31-86 AT A TOTAL COST OF $11,178.00 AWARD # 2 RR0866-03, MOD. 1 MSN HS-NUR (144-W493) 124.00

5) BIOMEDICAL RESEARCH SUPPORT GRANT FOR THE PERIOD 04-01-85 THROUGH 03-31-86 AT A TOTAL COST OF $34,730.00 AWARD # 2 RR05912-02, MOD. 1 MSN VET M ADM-RES& GRAD TR ADM-RES&GR (144-W495) 385.00
6) BIOMEDICAL RESEARCH SUPPORT GRANT
FOR THE PERIOD 04-01-85 THROUGH 03-31-86
AT A TOTAL COST OF $70,057.00
AWARD # 2 SO7 RRO5456-23, MOD. 1
MSN HS-PHR PHARMACY (144-W496) 776.00

7) CANCER COMMUNICATIONS SYSTEM
FOR THE PERIOD 05-16-85 THROUGH 05-15-86
AWARD # NO1-CN-55481
MSN HS-MED HUMAN ONCOLOGY PREV ONCOL (144-W596) 341,852.00

8) MATURATION OF LIVER FOR THE METABOLISM OF
BILIRUBIN
FOR THE PERIOD 06-01-85 THROUGH 05-31-86
AWARD # 5 RO1 AM21668-09
MSN HS-MED PEDIATRICS (144-W633) 166,186.00

9) MOLECULAR CHARACTERIZATION OF BETA
ADRENERGIC RECEPTORS
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 RO1 GM33138-11
MSN HS-MED PHARMACOLOGY (144-W638) 116,472.00

10) EASTERN COOPERATIVE ONCOLOGY GROUP -
WISCONSIN STUDIES
FOR THE PERIOD 06-01-85 THROUGH 04-30-86
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (144-W641) 290,890.00

11) INTESTINAL MUCOSAL FUNCTION IN DIABETES
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 RO1 AM13927-16
MSN HS-MED MEDICINE GASTROENT (144-W647) 48,259.00

12) AN EPIDEMIOLOGICAL STUDY OF DIABETIC
RETINOPATHY
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 RO1 EYO3083-07
MSN HS-MED OPHTHALMOLOGY (144-W655) 349,382.00

13) QUANTITATION OF MYOCARDIAL BLOOD FLOW
AND PERFUSION
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 RO1 HL32742-02
MSN HS-MED SURGERY THORACIC S (144-W673) 94,868.00

14) VISUAL INTEGRATION IN THE BRAIN
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 2 RO1 EYO1916-10
MSN L&S PSYCHOLOGY (144-W678) 150,871.00

15) DIAGNOSTIC NEWS REGARDING DEVELOPMENTAL
DISABILITIES
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R23 HD17803-02
MSN L&S SOCIOLOGY (144-W686) 51,470.00

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16) STRUCTURE AND FUNCTION OF THE GENOMES OF SMALL VIRUSES
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 AI01466-29
MSN GRAD BIOPHYSICS (144-W699) 137,948.00

17) NMR SPECTROSCOPY IN PROTEIN CHEMISTRY
FOR THE PERIOD 06-01-85 THROUGH 05-31-86
AWARD # 7 R01 GM35976-01
MSN AG&LSC BIOCHEMISTRY (144-W701) 169,303.00

18) (NA,K)-ATPASE - STRUCTURE, BIOSYNTHESIS AND REGULATION
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 GM35850-02
MSN HS-MED PHARMACOLOGY (144-W705) 133,709.00

19) ROLE OF SOMATOMEDIN IN GROWTH AND DIABETES MELLITUS
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 AM32451-04
MSN HS-MED MEDICINE ENDOCRINOL (144-W707) 133,555.00

20) OPTIMIZATION OF IN-VIVO SODIUM NMR IMAGING
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 1 R01 CA40307-01
MSN HS-MED RADIOLOGY (144-W708) 132,893.00

21) MONOCLONAL ANTIBODIES TO NEURAL ANTIGENS IN ASCARIS
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 AI20355-03
MSN L&S ZOOLOGY (144-W709) 98,614.00

22) THE BIOCHEMISTRY OF GENETIC RECOMBINATION
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 GM32335-03
MSN AG&LSC BIOCHEMISTRY (144-W710) 109,403.00

23) CA2+ -DEPENDENT PROCESSES INVOLVED IN PHORBOL ESTER TUMOR PROMOTION
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 CA35368-03
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (144-W711) 75,201.00

24) INHIBITION OF SKIN TUMOR PROMOTION
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 CA36323-02
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (144-W712) 80,705.00

25) STATISTICAL PROBLEMS IN CANCER RESEARCH
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 CA18332-11
MSN HS-MED HUMAN ONCOLOGY CAN C-BIOM (144-W714) 132,679.00
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26) CARCINOGEN ACTIVATION BY CULTURED MAMMARY CELLS
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 CA28954-05
MSN HS-MED HUMAN ONCOLOGY RAD BIOL (144-W718) 100,959.00

27) MAMMARY MUTAGENESIS ASSAYS
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 CA30295-05
MSN HS-MED HUMAN ONCOLOGY RAD BIOL (144-W720) 60,702.00

28) NCI CLINICAL INVESTIGATOR AWARD
FOR THE PERIOD 06-01-85 THROUGH 05-31-86
AWARD # 1 K08 CA01006-01
MSN GRAD BIOPHYSICS (144-W726) 50,652.00

29) MECHANISMS FOR CARDIAC ARRHYTHMIAS DURING ANESTHESIA
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 GM25064-06
MSN HS-MED ANESTHESIOLOGY (144-W730) 89,977.00

30) IN VITRO STUDIES OF THE COCHLEAR NUCLEUS
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 NS17590-05
MSN HS-MED NEUROPHYSIOLOGY (144-W732) 48,805.00

31) POSTDOCTORAL FELLOWSHIP AWARD
FOR THE PERIOD 07-05-85 THROUGH 04-04-86
AWARD # 5 F32 AM07194-03
MSN AG&LSC BIOCHEMISTRY (144-W739) 17,336.00

32) ENDOCRINOLOGY AND MORPHOLOGY OF IMPLANTATION
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 HD12683-06
MSN HS-MED ANATOMY (144-W740) 79,675.00

33) RESEARCH CAREER DEVELOPMENT AWARD
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 KO4 AI03599-02
MSN AG&LSC BIOCHEMISTRY (144-W743) 46,896.00

34) REGULATION AND FUNCTION OF THE YEAST HEAT SHOCK RESPONSE
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 2 R01 GM31107-04
MSN HS-MED PHYSIOLOG CHEM (144-W748) 117,304.00

35) IMMUNITY AND LATENCY IN CHLAMYDIAL INFECTIONS
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 2 R01 AI19782-02A3
MSN HS-MED MED MICROBIOLOGY (144-W757) 98,949.00

36) REGULATION OF GLUCONEOGENESIS IN DIABETES
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # 5 R01 AM20678-08
MSN GRAD ENZYME INSTITUTE (144-W759) 80,767.00
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<th>Project Description</th>
<th>Grant Details</th>
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<td>37) Botulinum Neurotoxin: Structure and Structure-Function</td>
<td>Award # 2 R01 NS17742-04</td>
<td>127,678.00</td>
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<td>38) Role of Glutathione in Drug Metabolism by Schistosomuses</td>
<td>Award # 1 R22 AI22520-01</td>
<td>106,429.00</td>
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<td>39) Behavior of P Factors: Movable Elements in Drosophila</td>
<td>Award # 2 R01 GM30948-04</td>
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<td>40) Neurogenetics of Behavior Mutants</td>
<td>Award # 5 R01 NS15590-07</td>
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<td>41) Mechanism and Inhibition of Ribonucleotide Reductases</td>
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<td>42) Psychomotor Deficits in Parkinson's Disease</td>
<td>Award # 5 R01 NS17421-02</td>
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<td>Award # 1 R01 AM35155-01</td>
<td>69,744.00</td>
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<td>1) Toxicology of Perfluorodecanic Acid</td>
<td>Award # AFOSR-8500207</td>
<td>148,627.00</td>
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<td>2) Infrared Emission and Atomic Transitions</td>
<td>Award # AFOSR-83-0312</td>
<td>136,705.00</td>
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<td>25. DOD, Army Fort Detrick, MD Preparations of Alpha-Epimer of 3H Diacetoxy Scirpenol</td>
<td>Award # DAMD17-85-M-A258</td>
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26. DOD, ARMY
WARREN, MI
INVESTIGATION OF HIGH PRESSURE INJECTION CONTROLLED SPARK ASSISTED COMBUSTION FOR THE PERIOD 06-11-85 THROUGH 06-10-86
AWARD # DAAE07-85-C-R066
MSN ENGR ENGR EXPER STA MECH ENGR (144-W733) 75,833.00

27. DOD, NAVY
ARLINGTON, VA
ELECTRON SPECTROSCOPY STUDIES OF HETEROJUNCTION INTERFACES FOR THE PERIOD 06-01-85 THROUGH 05-31-86
AWARD # NO0014-85-K-0463
MSN ENGR ENGR EXPER STA MET & MIN (144-W752) 86,170.00

28. ENERGY, DEPT OF
ARGONNE, IL
IN SUPPORT OF THE FOLLOWING:

1) EFFECTS OF RADIATION AND HIGH HEAT FLUX ON THE PERFORMANCE OF FIRST WALL COMPONENTS IN FUSION DEVICES FOR THE PERIOD 07-19-82 THROUGH 07-18-85 AT A TOTAL COST OF $215,233.00
AWARD # DE-AC02-82ER52082, MOD. 3
MSN ENGR ENGR EXPER STA NUCL ENGR (144-S290) 43,019.00

2) ORGANIZATION OF THE R CHROMOSOME REGION IN MAIZE FOR THE PERIOD 06-01-83 THROUGH 05-31-86 AT A TOTAL COST OF $128,588.00
AWARD # DE-AC02-76ER01300, MOD. 11
MSN AG&LSC GENETICS (144-T214) 47,027.00

3) THE CRITICAL CURRENT DENSITY, THE FABRICATION PROCESS AND THE MICROSTRUCTURE IN SUPERCONDUCTING COMPOSITES OF NB-TI FOR THE HIGH ENERGY PHYSICS FOR THE PERIOD 06-01-85 THROUGH 05-31-88
AWARD # DE-AC02-82ER40077, MOD. 4
MSN ENGR ENGR EXPER STA MET & MIN (144-W639) 300,000.00

4) THERMAL STRESS MICROFRACTURING OF GRANITE FOR THE PERIOD 05-16-85 THROUGH 05-15-86
AWARD # DE-FG02-84ER13184
MSN L&S GEO&GEOPHYSCS GEO&POL R (144-W648) 52,310.00

5) PROBABILISTIC RELIABILITY AND RISK FOR THE PERIOD 05-22-85 THROUGH 05-21-86
AWARD # DE-FG02-84ER2114, MOD. 1
MSN ENGR ENGR EXPER STA NUCL ENGR (144-W654) 50,000.00

6) MOLECULAR MECHANISM OF ENERGY TRANSDUCTION BY PLANT MEMBRANE PROTEINS FOR THE PERIOD 06-15-85 THROUGH 06-14-88
AWARD # DE-AC02-83ER13086
MSN AG&LSC HORTICULTURE (144-W722) 58,330.00
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7) STELLARATOR THEORY
FOR THE PERIOD 06-16-85 THROUGH 06-15-86
AWARD # DE-FG02-85ER53201
MSN ENGR ENGR EXP STA EL&COMPUT (144-W738) 30,000.00

29. INTER, FISH AND WILDLIFE SERVICE
WASHINGTON, DC
THE BIRDS OF PREY ON THE PINON CANYON ARMY TRAINING AREA
FOR THE PERIOD 03-31-83 THROUGH 10-31-85
AT A TOTAL COST OF $52,145.00
AWARD # 14-16-0009-1511-9, MOD. 4
MSN AG&LSC N R-WILDLIF ECOL (144-T085) 5,000.00

30. NATIONAL AERONAUTICS AND SPACE ADMIN
HAMPTON, VA
MINIMUM ENERGY ROUTING THROUGH INTERACTIVE TECHNIQUES (MERIT) MODELING
FOR THE PERIOD 05-20-85 THROUGH 05-19-86
AWARD # NAG-1-592
MSN GRAD SPACE SCI&ENG CT (144-W652) 75,267.00

31. NASA, AMES RESEARCH CENTER
MOFFETT FIELD, CA
CO-INVESTIGATOR SUPPORT ON THE GALILEO NET FLUX RADIOMETER EXPERIMENT
FOR THE PERIOD 01-01-85 THROUGH 09-30-85
AT A TOTAL COST OF $20,950.00
AWARD # NAS2-12078, MOD. 1
MSN GRAD SPACE SCI&ENG CT (144-W319) 6,000.00

32. NASA, GODDARD SPACE FLIGHT CENTER
GREENBELT, MD
IN SUPPORT OF THE FOLLOWING:

1) SUPPORT OF HIGH RESOLUTION SPECTROGRAPH
FOR THE PERIOD 05-16-79 THROUGH 08-31-85
AT A TOTAL COST OF $215,900.00
AWARD # NAS5-25714, MOD. 11
MSN L&S AST-SPA AST LAB (144-NO29) 8,900.00

2) SPACELAB DIFFUSE SOFT X-RAY BRAGG SPECTROMETER
DEFINITION PHASE
FOR THE PERIOD 03-10-80 THROUGH 10-31-85
AT A TOTAL COST OF $2,867,372.00
AWARD # NAS5-26078, MOD. 10
MSN GRAD SPACE SCI&ENG CT (144-P296) 663,861.00

3) ULTRAVIOLET STUDIES WITH THE IUE SATELLITE
FOR THE PERIOD 06-15-81 THROUGH 12-31-85
AT A TOTAL COST OF $309,932.00
AWARD # NAG5-186, MOD. 8
MSN L&S ASTRONOMY (144-Q873) 36,472.00

4) THE USE OF AVAILABLE POTENTIAL ENERGY TO EVALUATE
GLOBAL DATA SETS
FOR THE PERIOD 01-01-84 THROUGH 06-30-86
AT A TOTAL COST OF $101,089.00
AWARD # NAG5-385, MOD. 1
MSN L&S METEOROLOGY (144-U014) 52,761.00
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5) CONTRIBUTION TO THE DESIGN, TEST AND APPLICATION OF THE NEW INSTRUMENTATION COMBINING HIGH ANGULAR- AND HIGH SPECTRAL RESOLUTION FOR SPACE ASTRONOMY FOR THE PERIOD 03-25-84 THROUGH 09-30-85 AT A TOTAL COST OF $18,390.00
AWARD # NAG 5-416, MOD. 1
MSN L&S PHYSICS (144-U216) 8,995.00

6) DETERMINE PRECIPITATION RATES FROM VISIBLE AND INFRARED SATELLITE IMAGES OF CLOUDS BY PATTERN RECOGNITION TECHNIQUES FOR THE PERIOD 07-01-85 THROUGH 11-30-85
AWARD # NAG 5-580
MSN GRAD SPACE SCI&ENG CT (144-W750) 35,000.00

7) AN INVESTIGATION OF THE BROAD-LINE REGIONS OF SEYFERT 1 GALAXIES FOR THE PERIOD 07-15-85 THROUGH 07-14-86
AWARD # NAG5-581
MSN L&S ASTRONOMY (144-W770) 11,605.00

33. NASA, HEADQUARTERS
WASHINGTON, DC
STATISTICAL ANALYSIS OF STRATOSPHERIC OZONE AND TEMPERATURE DATA FOR TRENDS FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # NAGW-756
MSN L&S STATISTICS (144-W728) 45,005.00

34. NATIONAL ENDOWMENT FOR THE HUMANITIES
WASHINGTON, DC
CREATION OF AN OLD SPANISH DICTIONARY: COMPLETION OF THE DICTIONARY OF ALFONSINE PROSE FOR THE PERIOD 07-01-85 THROUGH 06-30-87
AWARD # RT-20551-85
MSN L&S SPANISH & PORT (144-W786) 251,196.00

35. NATIONAL SCIENCE FOUNDATION
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:

1) THE ROLE OF LIPIDS IN MEMBRANE EXCITATION IN PARAMECIUM FOR THE PERIOD 07-01-81 THROUGH 12-31-86 AT A TOTAL COST OF $423,510.00
AWARD # BNS-8100832, MOD. 4
MSN AG&LSC BIOCHEMISTRY (144-Q945) 90,200.00

2) A SOFTWARE-PARTITIONABLE MULTICOMPUTER: TESTBED FOR RESEARCH IN DISTRIBUTED COMPUTING FOR THE PERIOD 06-15-81 THROUGH 11-30-86 AT A TOTAL COST OF $4,674,129.00
AWARD # DCR-8105904, MOD. 6
MSN L&S COMPUTER SCI (144-Q970) 957,557.00
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3) STRUCTURES OF LAYER SILICATE MINERALS
FOR THE PERIOD 09-01-81 THROUGH 02-28-87
AT A TOTAL COST OF $308,700.00
AWARD # EAR-8106124, MOD. 4
MSN L&S GEOG & GEOPHYSICS (144-R360) 76,800.00

4) HEAVY-ATOM ISOTOPE EFFECTS IN BIOCHEMICAL SYSTEMS
FOR THE PERIOD 02-01-83 THROUGH 07-31-86
AT A TOTAL COST OF $154,700.00
AWARD # DMS-8216597, MOD. 4
MSN L&S CHEMISTRY (144-S826) 11,700.00

5) FLUOROCARBON-HYDROCARBON INTERACTIONS AT
INTERFACES AND IN MICELLES
FOR THE PERIOD 03-01-83 THROUGH 08-31-86
AT A TOTAL COST OF $141,000.00
AWARD # CPE-8216450, MOD. 2
MSN HS-PHR PHARMACY (144-S864) 47,000.00

6) PROBLEMS IN CONTINUUM MECHANICS
FOR THE PERIOD 06-01-83 THROUGH 11-30-86
AT A TOTAL COST OF $293,206.00
AWARD # DMS-8215064, MOD. 2
MSN L&S MATHEMATICS (144-T191) 99,000.00

7) FUNCTION AND EXPRESSION OF THE SPOT 42 GENE OF
E. COLI
FOR THE PERIOD 07-15-83 THROUGH 12-31-86
AT A TOTAL COST OF $230,000.00
AWARD # PCM-8309618, MOD. 2
MSN HS-MED PHYSIOLOG CHEM (144-T243) 81,000.00

8) ALGORITHM-STRUCTURED PYRAMID AND NETWORK
ARCHITECTURES
FOR THE PERIOD 06-15-83 THROUGH 11-30-86
AT A TOTAL COST OF $203,944.00
AWARD # DCR-8302397, MOD. 2
MSN L&S COMPUTER SCI (144-T250) 73,185.00

9) MACROLIDE AGLYCONES (CHEMISTRY)
FOR THE PERIOD 07-01-83 THROUGH 12-31-86
AT A TOTAL COST OF $277,168.00
AWARD # CHE-8304221, MOD. 2
MSN L&S CHEMISTRY (144-T397) 89,400.00

10) SATELLITE CELLS, REGENERATION POTENTIAL AND
OLD AGE
FOR THE PERIOD 07-01-83 THROUGH 12-31-86
AT A TOTAL COST OF $229,000.00
AWARD # PCM-8302348, MOD. 2
MSN HS-MED ANATOMY (144-T452) 76,000.00

11) ANARCTIC AUTOMATIC WEATHER STATIONS: OPERATION
AND DATA ANALYSES
FOR THE PERIOD 08-01-83 THROUGH 12-31-86
AT A TOTAL COST OF $664,676.00
AWARD # DPP-8306265, MOD. 3
MSN L&S METEOROLOGY (144-T478) 219,471.00
RESEARCH

12) DIGITALLY CONTROLLED X-RAY BEAM ATTENUATION TECHNIQUES
FOR THE PERIOD 02-01-84 THROUGH 07-31-86
AT A TOTAL COST OF $191,187.00
AWARD # ECS-8310435, MOD. 1
MSN HS-MED MEDICAL PHYSICS (144-U099) 100,000.00

13) THE SHAPE-SIZE DISTRIBUTION OF CLOUD AND PRECIPITATION PARTICLES
FOR THE PERIOD 04-01-84 THROUGH 09-30-86
AT A TOTAL COST OF $91,600.00
AWARD # ATM-8317602, MOD. 1
MSN L&S METEOROLOGY (144-U348) 53,000.00

14) MOLECULAR APPROACHES TO THE STUDY OF EVOLUTION
FOR THE PERIOD 06-01-84 THROUGH 11-30-86
AT A TOTAL COST OF $133,694.00
AWARD # BSR-8400682, MOD. 1
MSN HS-MED PHYSIOLOGY CHEMISTRY (144-U412) 42,611.00

15) THIOPOLYQUINONES AND DXDCARBONS: HYPOVALENT AND MULTIPLY BONDED BORON AND SILICON SPECIES (CHEMISTRY)
FOR THE PERIOD 06-01-84 THROUGH 11-30-86
AT A TOTAL COST OF $205,315.00
AWARD # CHE-8318820, MOD. 1
MSN L&S CHEMISTRY (144-U418) 80,432.00

16) HOST PATHOGEN RECOGNITION AND DISEASE RESISTANCE IN PLANTS
FOR THE PERIOD 07-01-84 THROUGH 12-31-86
AT A TOTAL COST OF $228,000.00
AWARD # PCM-8403343, MOD. 1
MSN AG&LSC PLANT PATHOLOGY (144-U629) 96,000.00

17) GENETIC ANALYSIS OF AN UNSTABLE TRAIT DETECTED IN ALFALFA TISSUE CULTURE
FOR THE PERIOD 08-01-84 THROUGH 01-31-87
AT A TOTAL COST OF $98,214.00
AWARD # PCM-8409115, MOD. 1
MSN AG&LSC AGRONOMY (144-U688) 50,000.00

18) NATIONAL SCIENCE FOUNDATION EQUIPMENT GRANT
FOR THE PERIOD 06-15-85 THROUGH 12-31-85
AWARD # SES-8543838
MSN L&S ECONOMICS (144-W475) 3,559.00

19) PRESIDENTIAL YOUNG INVESTIGATOR AWARD
FOR THE PERIOD 06-01-85 THROUGH 11-30-86
AWARD # DCR-8502202
MSN L&S COMPUTER SCI. (144-W608) 25,000.00

20) COMPUTATIONAL APPROXIMATION OF OPTIMIZATION PROBLEMS
FOR THE PERIOD 06-15-85 THROUGH 11-30-86
AWARD # DCR-8502202
MSN ENGR ENGR EXPER STA INDUS ENGR (144-W612) 43,986.00
RESEARCH

21) MOLECULAR MECHANISMS OF RNA PROCESSING
FOR THE PERIOD 06-15-85 THROUGH 11-30-86
AWARD # DMB-8505902
MSN HS-MED GENETICS (144-W629) 75,000.00

22) THE DYNAMIC BEHAVIOR OF CONTINUOUS POLYMERIZATION
REACTORS
FOR THE PERIOD 06-15-85 THROUGH 10-31-86
AWARD # CBT-8419417
MSN ENGR ENGR EXPER STA CHEM ENGR (144-W636) 70,090.00

23) STEREOCHEMISTRY OF MGATP AS A SUBSTRATE
FOR THE PERIOD 06-01-85 THROUGH 11-30-86
AWARD # DMB-8503930
MSN AG&LSC BIOCHEMISTRY (144-W645) 45,000.00

24) MICROSCOPIC PROPERTIES OF SEMICONDUCTOR-
SEMICONDUCTOR CONDUCTOR INTERFACES (MATERIALS
RESEARCH)
FOR THE PERIOD 05-15-85 THROUGH 10-31-86
AWARD # DMR-8421292
MSN L&S PHYSICS (144-W677) 92,000.00

25) MATHEMATICAL SCIENCES: INTEGRAL
REPRESENTATIONS AND COMMUTATIVE RINGS
FOR THE PERIOD 06-15-85 THROUGH 11-30-87
AWARD # DMS-8421205
MSN L&S MATHEMATICS (144-W744) 34,100.00

26) MATHEMATICAL SCIENCES: SOME PROBLEMS
IN NONLINEAR EVOLUTION
FOR THE PERIOD 06-01-85 THROUGH 11-30-86
AWARD # DMS-8505531
MSN L&S MATHEMATICS (144-W745) 18,386.00

27) SCALING PROBLEMS IN HYDROGEOLOGICAL MODELING
FOR THE PERIOD 07-01-85 THROUGH 12-31-87
AWARD # ECE-8420864
MSN L&S GEOL & GEOPHYSICS (144-W746) 76,573.00

28) A BIOCHEMICAL AND MOLECULAR ANALYSIS OF MUTATIONS
CAUSED BY TRANSPOSABLE ELEMENT INSERTION IN THE
BZ LOCUS OF MAIZE
FOR THE PERIOD 08-15-85 THROUGH 01-31-87
AWARD # DCB-8507895
MSN AG&LSC GENETICS (144-W758) 75,390.00

29) MATHEMATICAL SCIENCES: RESAMPLING METHODS IN
STATISTICAL INFERENCE AND INFERENCE FROM
SEQUENTIAL DESIGNS
FOR THE PERIOD 06-15-85 THROUGH 11-30-86
AWARD # DMS-8502303
MSN L&S STATISTICS (144-W785) 52,300.00

36. THE UNIVERSITY OF NOTRE DAME
NOTRE DAME, IN
PRIME CONTRACTOR WITH NSF
SELECTIVE PREDATION, HERBIVORY AND HABITAT
STRUCTURE: MULTIPLE PREDATORS AND THEIR
ECOLOGICAL IMPACT
FOR THE PERIOD 05-15-85 THROUGH 10-31-88
AWARD # AGR DTO 6/6/85
MSN L&S LIMNOLOGY CTR (144-W457) 24,798.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

37. CANCER RESEARCH - MCARDLE MEMORIAL LABORATORY
   MSN HS-MED ONCOLOGY (133-A250)
   75.00 MULTIPLE DONORS
   175.00 MULTIPLE DONORS IN MEMORY OF GLADYS FALCON
   458.37 MULTIPLE DONORS
   245.00 MULTIPLE DONORS IN MEMORY OF RALPH SCHILLINGLAW
   45.00 MULTIPLE DONORS
   998.37

38. MULTIPLE DONORS
   CANCER RESEARCH
   MSN HS-MED (133-A251) 244.00

39. UNITED WAY OF RIVER FALLS, INC.
   RIVER FALLS, WI
   GENERAL MEDICAL RESEARCH
   MSN HS-MED (133-A253) 2,200.00

40. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    DEPARTMENT OF MEDICINE RESEARCH AND DEVELOPMENT FUND
    MSN HS-MED MEDICINE (133-A525) 28,500.00

41. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    RESEARCH AND DEVELOPMENT IN THE DEPARTMENT OF DIAGNOSTIC RADIOLGY
    MSN HS-MED RADIOLGY NUCL MED (133-A529) 34,018.00

42. NORTHERN SALES CO. LTD.
    WINNIPEG, CANADA
    PEA AND SOYBEAN RESEARCH
    MSN AG&LSC AGRONOMY (133-A593) 2,500.00

43. ICI AMERICAS INC.
    GOULDSBORO, NC
    METHODS AND MATERIALS FOR WEEE CONTROL IN FRUIT AND VEGETABLE CROPS
    MSN AG&LSC HORTICULTURE (133-A728) 1,500.00

44. BEATRICE/HUNT-WEENSON FOODS
    FULLERTON, CA
    FOOD SCIENCE GENERAL PURPOSE RESEARCH FUND
    MSN AG&LSC FOOD SCIENCE (133-A786) 1,375.00

45. AYERST LABORATORIES
    NEW YORK, NY
    STUDY ON THE SAFETY OF "INDERAL" IN PATIENTS WITH ANGINA PECTORIS
    MSN HS-MED MEDICINE CARDIOLOGY (133-A914) 2,650.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

46. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    INVESTIGATION OF HFM ULTRAFILTRATION MEMBRANE
    PERFORMANCE ON CHEESE WHEY ULTRAFILTRATION
    MSN AG&LSC FOOD SCIENCE (133-B330) 3,000.00

47. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    DEPARTMENT OF FOOD SCIENCE CHAIRMAN'S
    DISCRETIONARY FUND
    MSN AG&LSC FOOD SCIENCE (133-B666) 750.00

48. INSECT CONTROL AND RESIDUE STUDIES ON
    VEGETABLE CROPS
    MSN AG&LSC ENTOMOLOGY (133-B831)
    1,250.00 MULTIPLE DONORS
    1,000.00 ICI AMERICAS INC.
    WILMINGTON, DE
    2,250.00

49. MULTIPLE DONORS
    SANITARY ENGINEERING RESEARCH
    MSN ENGR ENGR EXPER STA CIVIL&ENV (133-B990) 230.00

50. MULTIPLE DONORS
    SUSTAINING FUND FOR CHEESE RESEARCH INSTITUTE
    MSN AG&LSC FOOD SCIENCE (133-B996) 200.00

51. POTATO & OTHER VEGETABLE RESEARCH
    MSN AG&LSC EXP STA-HANCOCK (133-C235)
    2,000.00 BASIC AMERICAN FOODS
    PLOVER, WI
    1,000.00 DREXEL CHEMICAL COMPANY
    MEMPHIS, TN
    1,000.00 AMERICAN COLLOID COMPANY
    SKOKIE, IL
    4,000.00

52. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    DEPARTMENT OF PSYCHIATRY CHAIRMAN'S
    DISCRETIONARY ACCOUNT
    MSN HS-MED PSYCHIATRY (133-C465) 50,000.00

53. MULTIPLE DONORS
    SOLAR ENERGY RESEARCH
    MSN ENGR ENGR EXPER STA SOLAR ENRG (133-C535) 500.00

54. MULTIPLE DONORS
    STUDY OF THE EFFECTS OF YOGURT ON BREAD
    MSN AG&LSC FOOD SCIENCE (133-C733) 300.00
## GIFTS, GRANTS AND CONTRACTS
### JULY 12, 1985

### UNIVERSITY OF WISCONSIN - MADISON

### RESEARCH

#### 55. CORN INSECT RESEARCH
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#### 56. UNIVERSITY OF WISCONSIN FOUNDATION
**MADISON, WI**

**UNRESTRICTED RESEARCH AND EDUCATIONAL ACTIVITIES**

**GRANT TO THE DEPARTMENT OF CHEMICAL ENGINEERING**

**MSN ENGR CHEMICAL ENGR**

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#### 57. ICI AMERICAS INC.
**GOLDSBORO, NC**

**PHYSIOLOGICAL ASPECTS OF WEED GROWTH AND CONTROL**

**MSN AG&LSC AGRONOMY**

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#### 58. MULTIPLE DONORS

**PLANT BREEDING AND GENETICS OF VEGETABLE CROPS**

**MSN AG&LSC HORTICULTURE**

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#### 59. ICI AMERICAS INC.
**GOLDSBORO, NC**

**GROWTH REGULATORS - FRUIT CROPS**

**MSN AG&LSC HORTICULTURE**

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#### 60. UNIVERSITY OF WISCONSIN FOUNDATION
**MADISON, WI**

**ENVIRONMENTAL RESEARCH RELATED TO FISHERIES AND AQUATIC SYSTEMS**

**MSN L&S LIMNOLOGY CTR**

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#### 61. MULTIPLE DONORS IN MEMORY OF

**GEORGE MAKI**

**CARDIOVASCULAR RESEARCH**

**MSN HS-MED MEDICINE CARDIOLOGY**

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#### 62. VEGETABLE DISEASE RESEARCH
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GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

63. MULTIPLE DONORS
SURFACE AREA STUDIES
MSN HS-PHR PHARMACY (133-D484) 500.00

64. INSECT PEST MANAGEMENT
MSN AG&LSC ENTOMOLOGY (133-D617)
1,000.00 PBI/GORDON CORPORATION
KANSAS CITY, MO
300.00 MULTIPLE DONORS
1,300.00

65. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
MODERN CONTROL THEORY RESEARCH
MSN ENGR ENGR EXPER STA CHEM ENGR (133-D866) 14,715.00

66. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
EQUINE RESEARCH
MSN AG&LSC VETERINARY SCI (133-D964) 1,750.00

67. KIMBERLY-CLARK CORPORATION
NEENAH, WI
VIRAL INTERRUPTION STUDY FOR THE PERIOD
10-01-80 THRU 06-30-86 AT A $1,200,000 LEVEL
MSN HS-MED PREVENTIVE MED (133-E310) 340,000.00

68. UPJOHN COMPANY
KALAMAZOO, MI
CARDIOVASCULAR RESEARCH
MSN HS-MED MEDICINE CARDIOLOGY (133-E381) 2,500.00

69. GREAT LAKES WOOL GROWERS ASSOCIATION
MINNEAPOLIS, MN
DEVELOPMENT OF PASTURE SYSTEMS AND PRODUCTION
TECHNIQUES FOR SHEEP THAT WILL MAXIMIZE FORAGE
UTILIZATION IN NORTHERN WISCONSIN
MSN AG&LSC MEAT& ANIMAL SCI (133-E385) 3,000.00

70. KELLOGG (W K) FOUNDATION
BATTLE CREEK, MI
THE NORTH CENTRAL COMPUTER INSTITUTE
FOR THE PERIOD 07-01-81 THRU 12-31-86
AT A $1,540,000.00 LEVEL
MSN AG&LSC N CTRL CMPT INST (133-E645) 40,000.00

71. AMERICAN HEART ASSOCIATION
DALLAS TX
ESTABLISHED INVESTIGATORSHIP AWARD FOR THE
PERIOD 07-01-81 THRU 06-30-86 AT A
$173,998.11 LEVEL
AWARD # 81-104
MSN HS-MED PHYSIOLOGY (133-E662) 36,450.00
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UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

82. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    UW-MADISON FACULTY AWARD 1985-86
    MSN L&S SCHOOLS OF MUSIC
    (133-F331) 5,000.00

83. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    UW-MADISON FACULTY AWARD 1985-86
    MSN EDUC ART
    (133-F332) 5,000.00

84. MULTIPLE DONORS
    RESEARCH ON DAIRY PRODUCTS PROCESSING UTILIZING
    THE UW DAIRY PLANT
    MSN AG&LSC FOOD SCIENCE
    (133-F361) 786.32

85. GENERAL FRUIT RESEARCH ACTIVITIES AT THE
    PENINSULAR STATION
    MSN AG&LSC EXP STA-PENINSLR
    500.00 MULTIPLE DONORS
    1,500.00 ZOECON CORPORATION
    ATHENS, GA
    2,000.00

86. AMERICAN LEGAL HISTORY, 1870-1950
    MSN LAW LAW SCHOOLS
    6,153.64 UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    4,600.00 GEORGETOWN UNIVERSITY
    WASHINGTON, DC
    10,753.64

87. NEW MEXICO STATE UNIVERSITY
    LAS CRUCES, NM
    SMALL GRAIN BREEDING AND RESEARCH
    MSN AG&LSC AGRONOMY
    (133-F535) 3,600.00

88. MULTIPLE DONORS
    CLINICAL EXERCISE PHYSIOLOGY ACTIVITIES
    MSN HS-MED MEDICINE
    CARDIOLOGY
    (133-F572) 600.00

89. ARCO EXPLORATION COMPANY
    DALLAS, TX
    RESEARCH ASSISTANTSHIP IN SEDIMENTARY GEOLOGY
    MSN L&S GEOLOGY & GEOPHYSICS
    (133-F586) 8,000.00

90. WISC DEPARTMENT OF ADMINISTRATION
    MADISON, WI
    DEVELOPMENT OF A VDT USER GUIDE FOR THE PERIOD
    10-01-82 THRU 06-30-85 AT A $52,983 LEVEL
    AWARD # P.O.# ADC-01077
    MSN HS-MED PREVENTIVE MED
    (133-F593) 1,267.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

91. MCDONALD'S CORPORATION
   OAK BROOK, IL
   DETECTION OF E. COLI IN FOODS
   MSN AG&LSC FOOD MICRO&TOXIC (133-F867) 33,000.00

92. MULTIPLE DONORS
   GEOFITICAL ENGINEERING PROGRAM SUPPORT
   MSN ENGR ENGR EXPER STA CIVIL&ENV (133-F891) 225.00

93. NATIONAL CROP INSURANCE ASSOCIATION
   COLORADO SPRINGS, CO
   EVALUATION OF EFFECTS OF SIMULATED HAIL DAMAGE
   ON YIELD/QUALITY OF PROCESSING PEAS
   MSN AG&LSC HORTICULTURE (133-G086) 2,000.00

94. LILLY (ELI) AND COMPANY
   INDIANAPOLIS, IN
   STUDY OF PLASMA PHYLLQOQUINONE METABOLISM
   MSN AG&LSC BIOCHEMISTRY (133-G114) 35,000.00

95. SEMICONDUCTOR RESEARCH CORPORATION
   RESEARCH TRIANGLE PARK, NC
   STUDIES OF HIGH-CONDUCTIVITY SILICIDE
   METALLIZATIONS FOR VLSI FOR THE PERIOD
   06-15-83 THRU 06-14-86 AT A $276,150 LEVEL
   AWARD # SRC NO. 83-01-027
   MSN ENGR ENGR EXPER STA MET & MIN (133-G230) 94,650.00

96. OCEAN SPRAY CRANBERRIES, INC.
   PLYMOUTH, MA
   CRANBERRY RESEARCH
   MSN AG&LSC HORTICULTURE (133-G344) 4,500.00

97. RHONE-POULENC INC.
   NEW BRUNSWICK, NJ
   CONTROL OF SOIL-BORNE PATHOGENS
   MSN AG&LSC PLANT PATHOLOGY (133-G534) 1,000.00

98. INTERNATIONAL POTATO CENTER
   LIMA, PERU
   SALARY SUPPORT FOR THE PERIOD 07-01-83 THRU
   12-31-85 AT A $60,600 LEVEL
   MSN AG&LSC HORTICULTURE (133-G617) 12,000.00

99. NEUROLOGY CLINICAL PRACTICE PLAN
    OF AFFILIATED UNIVERSITY PHYSICIANS
    MADISON, WI
    BIOFEEDBACK CLINIC SUPPORT
    MSN HS-MED NEUROLOGY (133-G648) 1,830.00

100. PUBLIC SERVICE COMMISSION OF WISCONSIN
     MADISON, WI
     EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD
     06-22-83 THRU 12-31-85 AT A $22,213.90 LEVEL
     AWARD # P.O. #PSD 4031
     MSN L&S ECONOMICS (133-G685) 12,639.18
## GIFTS, GRANTS AND CONTRACTS
### JULY 12, 1985

**UNIVERSITY OF WISCONSIN - MADISON**

**RESEARCH**

1. **NEUROLOGY CLINICAL PRACTICE PLAN**
   - MADISON, WI
   - COGNITIVE RETRAINING PROGRAM
   - MSN HS-MED NEUROLOGY
   - (133-G805) 2,980.00

2. **UPJOHN COMPANY**
   - KALAMAZOO, MI
   - ANALYTICAL DIVISION UNDERGRADUATE RESEARCH PROGRAM
   - MSN L&S CHEMISTRY
   - (133-G839) 5,000.00

3. **MULTIPLE DONORS**
   - ROLE OF REACTIVE OXYGEN METABOLITES IN CELL DIVISION
   - MSN HS-MED PATHOL & LAB MED ANAT PATH
   - (133-G909) 70.00

4. **AMERICAN LUNG ASSOCIATION**
   - NEW YORK, NY
   - EFFECTS OF SEDATIVE LEVELS OF HALOTHANE AND ISOFLURANE ON CENTRAL AND PERIPHERAL RESPIRATORY CONTROL IN THE GDAT FOR THE PERIOD 07-01-84 THRU 06-30-86 AT A $29,800.00 LEVEL
   - MSN HS-MED ANESTHESIOLOGY
   - (133-G950) 14,850.00

5. **TRITON BIOSCIENCES INC.**
   - BERKELEY, CA
   - TRITON-WCCC CLINICAL TRIAL CSC-5984
   - PHASE I ACCOUNT ADJUSTED TO REFLECT COST REDUCTION BECAUSE OF FEWER PATIENTS ENTERED ON STUDY
   - MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL
   - (133-H008) 11,735.00

6. **WEED CONTROL IN AGRONOMIC CROPS**
   - MSN AG&LSC AGRONOMY
   - (133-H072)
     - 1,000.00 ICI AMERICAS INC.
     - 750.00 MULTIPLE DONORS
     - 2,000.00 CHEVRON CHEMICAL COMPANY
     - 1,000.00 FMC CORPORATION
     - 2,000.00 STAUFFER CHEMICAL COMPANY
     - 2,000.00 CIBA-GEIGY CORPORATION
   - 8,750.00

7. **UNIVERSITY OF WISCONSIN FOUNDATION**
   - MADISON, WI
   - MEDICAL SCHOOL DEVELOPMENT FUND
   - MSN HS-MED
   - (133-H085) 200,000.00

8. **UNIVERSITY OF WISCONSIN FOUNDATION**
   - MADISON, WI
   - CHANCELLOR'S DEVELOPMENT AWARD IN THE CREATIVE ARTS 1985-86
   - MSN L&S ENGLISH
   - (133-H099) 5,000.00
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## GIFTS, GRANTS AND CONTRACTS

**JULY 12, 1985**

### UNIVERSITY OF WISCONSIN - MADISON

#### RESEARCH

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**University of Wisconsin - Madison**

**Research**

148. Vilas (William F) Trust Estate  
Madison, WI  
Vilas Associate for the period  
07-01-85 thru 06-30-86  
MSN L&S History  
(133-J082) 9,304.00

149. Mead Johnson  
Evansville, IN  
Nutritional benefits of cystic fibrosis neonatal screening  
MSN HS-MED Pediatrics  
(133-J083) 6,050.00

150. National Research Council  
Washington, DC  
Cost-of-research allowance  
MSN L&S Chemistry  
(133-J103) 2,000.00

151. Rockefeller Foundation  
New York, NY  
Rockefeller Foundation fellowship supply allowance  
MSN AG&LSC Genetics  
(133-J129) 1,500.00

152. American Chemical Society  
Petroleum Research Fund  
Washington, DC  
Dynamics of local chain motions in concentrated polymer systems for the period 06-01-85 thru 08-31-87  
Award # PRF G04037A  
MSN L&S Chemistry  
(133-J132) 15,000.00

153. Burroughs Wellcome Co.  
Research Triangle Park, NC  
Multicenter, double-blind, active controlled evaluation of long-term safety and efficacy of BW256c and pseudoephedrine  
MSN HS-MED Medicine Allergy & Immunology  
(133-J142) 6,908.00

154. Burroughs Wellcome Co.  
Research Triangle Park, NC  
TMP/SMZ Renal transplantation study  
MSN HS-MED Medicine Infectious Disease  
(133-J144) 35,000.00

155. International Minerals & Chemical Corporation  
Terre Haute, IN  
Effect of P-2546 on growth and feed efficiency of swine  
MSN AG&LSC Meat & Animal Science  
(133-J159) 20,920.00

156. Wisconsin Beef Council  
Barneveld, WI  
Analysis of data and publication of papers resulting from data accumulated from experiments - 1953 thru present  
MSN AG&LSC Meat & Animal Science  
(133-J162) 10,000.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

157. REYNOLDS (THE CHRISTOPHER) FOUNDATION, INC. NEW YORK, NY PREVENTIVE HEALTH SERVICES AND PUBLIC HEALTH SERVICES PROGRAMS IN VIETNAM MSN HS-MED PREVENTIVE MED (133-J165) 75,787.50

158. INLAND STEEL COMPANY EAST CHICAGO, IN EFFECT OF BISMUTH ON GRAY CAST IRONS FOR THE PERIOD 06-01-84 THRU 05-31-85 AWARD # P.O. #4-K-59366 MSN ENGR ENGR EXPER STA MET & MIN (133-J166) 27,117.00

159. UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PHARMACY ADMINISTRATION RESEARCH MSN HS-PHR PHARMACY (133-J167) 1,500.00

160. MILES LABORATORIES, INC. ELKHART, IN HOME SCREENING FOR HEMATURIA WITH A URINARY REAGENT STRIP MSN HS-MED SURGERY UROLOGY (133-J168) 18,560.00

161. WISCONSIN SOYBEAN MARKETING BOARD, INC. MADISON, WI SOYBEAN CULTURAL PRACTICES FOR PRODUCTION IN CONSERVATION TILLAGE SYSTEMS, 1985-6 MSN AG&LSC AGRONOMY (133-J170) 10,000.00

162. WISCONSIN SOYBEAN MARKETING BOARD, INC. MADISON, WI INVESTIGATION OF SYSTEMS FOR IMPROVED UTILIZATION OF POSTEMERGENCE HERBICIDE FOR ANNUAL WEED CONTROL IN SOYBEANS, 1985-6 MSN AG&LSC AGRONOMY (133-J171) 5,000.00

163. WISCONSIN SOYBEAN MARKETING BOARD, INC. MADISON, WI PERFORMANCE IN THE FIELD & GENOTYPE BY ENVIRONMENT INTERACTION OF SOYBEAN LINES SELECTED FOR RAPID LOW TEMPERATURE GERMINATION, 1985-6 MSN AG&LSC AGRONOMY (133-J172) 4,300.00

164. WISCONSIN SOYBEAN MARKETING BOARD, INC. MADISON, WI USE OF EARLY PRE-PLANT HERBICIDE APPLICATION FOR WEED CONTROL IN NO-TILL SOYBEAN PRODUCTION, 1985-6 MSN AG&LSC AGRONOMY (133-J173) 6,500.00

165. WISCONSIN SOYBEAN MARKETING BOARD, INC. MADISON, WI DEVELOPMENT METHODOLOGY TO IDENTIFY RACES OF PHYTOPHTHORA MEGASPERMA IN SOIL SAMPLES FROM COMMERCIAL SOYBEAN FIELDS IN ORDER TO FORECAST EFFECTIVENESS OF RACE-SPECIFIC RESISTANCE, 1985-6 MSN AG&LSC PLANT PATHOLOGY (133-J174) 7,000.00
# GIFTS, GRANTS AND CONTRACTS
## JULY 12, 1985

## UNIVERSITY OF WISCONSIN - MADISON

## RESEARCH

166. WISCONSIN SOYBEAN MARKETING BOARD, INC.
MADISON, WI
EVALUATION OF NITROGEN CONTRIBUTIONS FROM SOYBEANS AND ROTATION EFFECTS IN CORN/SOYBEAN ROTATION, 1986-6
MSN AG&LSC SOIL SCIENCE (133-J175) 6,100.00

167. FISONS CORPORATION
BEDFORD, MA
DOUBLE-BLIND MULTICENTER GROUP COMPARATIVE STUDY OF THE EFFICACY AND SAFETY OF NEODCROMIL IN THE MANAGEMENT OF ASTHMA
MSN HS-MED MEDICINE ALLERGY&IMM (133-J177) 17,667.00

168. CIBA-GEIGY LIMITED
BASEL, SWITZERLAND
LIPOSOME-MTP THERAPY IN CANINE TUMORS
MSN VET M MEDICAL SCIENCES (133-J178) 46,000.00

169. WISC DEPT OF NATURAL RESOURCES
MADISON, WI
COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 06-10-85 THRU 08-16-85
AWARD # 85-2 MAVES
MSN AG&LSC NAT RSRCs- ADMIN (133-J179) 1,340.00

170. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
ELECTRICAL PROPERTIES OF GA AS
MSN ENGR ENGR EXPER STA MET & MIN (133-J180) 5,000.00

171. ACADEMY OF VETERINARY ALLERGY
VANCOUVER, WA
REACTION OF FELINE SKIN TO INTRADERMAL INJECTION OF ALLERGENIC EXTRACTS AND PASSIVE CUTANEOUS ANAPHYLAXIS USING SERUM FROM SKIN TEST POSITIVE CATS
MSN VET M MEDICAL SCIENCES (133-J181) 1,978.20

172. MULTIPLE DONORS
METALLURGICAL RESEARCH
MSN ENGR ENGR EXPER STA MET & MIN (133-J182) 600.00

173. HAZLETON LABORATORIES AMERICA, INC.
MADISON, WI
MICROSCOPIC ANALYSIS OF TISSUES AND ORGANS
MSN HS-MED ANATOMY (133-J183) 1,200.00

174. TRITON BIOSCIENCES, INC.
ALAMEDA, CA
TRIAL OF HUMAN RECOMBINANT BETA INTERFERON AND INTERFERON GAMMA IN PATIENTS WITH MALIGNANCY PHASE I DOSE ESCALATION
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (133-J184) 17,000.00
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<td>Toxic Shock Syndrome, MSN AG&amp;LSC Food Micro&amp;Toxic (133-J191)</td>
<td>$20,000.00</td>
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<td>176</td>
<td>University of Wisconsin Foundation</td>
<td>Madison, WI</td>
<td>Natural History Council Award, MSN L&amp;S Botany (133-J192)</td>
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<td>177</td>
<td>University of Wisconsin Foundation</td>
<td>Madison, WI</td>
<td>Natural History Council Award, MSN AG&amp;LSC N R-Wildlif Ecol (133-J193)</td>
<td>$1,000.00</td>
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<td>178</td>
<td>University of Wisconsin Foundation</td>
<td>Madison, WI</td>
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<td>Natural History Council Award, MSN L&amp;S Anthropology (133-J195)</td>
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<td>180</td>
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<td>183</td>
<td>University of Wisconsin Foundation</td>
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<td>PSP Clearance in the Horse, MSN Vet M Medical Sciences (133-J202)</td>
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<td>Agri Tech System, Inc.</td>
<td>Portland, ME</td>
<td>Development of Rapid Diagnostic Tests for the Presence of Various Mycotoxins or Their Metabolites in Feed and/or Biological Fluids, MSN AG&amp;LSC Food Micro&amp;Toxic (133-J203)</td>
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<td>Merrell Dow Pharmaceuticals, Inc.</td>
<td>Cincinnati, OH</td>
<td>Double-Blind Comparative Study of MDL 17,043 and Captopril in Patients with Mild to Moderately Severe Congestive Heart Failure, MSN HS-Med Medicine Cardiology (133-J204)</td>
<td>$79,994.64</td>
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UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

186. PUBLIC SERVICE COMMISSION OF WISCONSIN
MADISON, WI
COOPERATIVE INTERNSHIP AGREEMENT FOR
THE PERIOD 06-03-85 THRU 08-23-85
MSN ENGR ENGR EXPER STA (133-J207) 3,200.00

187. SOCIAL SCIENCE RESEARCH COUNCIL
NEW YORK, NY
ISDP COMPUTER NETWORK FOR THE PERIOD
06-01-85 THRU 08-31-86
MSN LBS INST-RES ON POV (133-J208) 3,200.00

188. MARSHALL PRODUCTS - MILES LABORATORIES, INC.
MADISON, WI
DEVELOPMENT OF AN ELISA FOR ENUMERATION OF
RUMINAL BACTERIA
MSN AG&LSC MEAT& ANIMAL SCI (133-J209) 10,000.00

189. WISC HOSPITAL RATE-SETTING COMMISSION
MADISON, WI
WISCONSIN HOSPITAL RATE-SETTING COMMISSION
UTILIZATION REVIEW STANDARDS AND UTILIZATION
REPORTING PROCEDURES FOR THE PERIOD 06-01-85
THRU 12-31-85
MSN ENGR ENGR EXPER STA HLTH SYS'S (133-J210) 81,455.00

190. MULTIPLE DONORS
CONTROL OF REPRODUCTION IN DOGS AND CATS
MSN VET M MEDICAL SCIENCES (133-J229) 200.00

191. CHICAGO MERCANTILE EXCHANGE
CHICAGO, IL
SUITABILITY OF EXISTING SPECIFICATIONS FOR CME'S
FROZEN PORK BELLY FUTURES CONTRACT AND
RECOMMENDATION FOR ANY APPROPRIATE CHANGES
MSN AG&LSC MEAT& ANIMAL SCI (133-J230) 5,000.00

192. MCDONALD'S CORPORATION
OAK BROOK, IL
COLONIZATION OF CATTLE BY PATHOGENS
MSN AG&LSC FOOD MICRO&TOXIC (133-J231) 10,250.00

193. MADISON METROPOLITAN SEWERAGE DISTRICT
MADISON, WI
RISK ASSESSMENT OF SLUDGE DISPOSAL ON FARMLAND
FOR THE PERIOD 06-01-85 THRU 08-31-86
MSN ENGR ENGR EXPER STA CIVIL&ENV (133-J234) 28,770.00

194. WISC DEPT OF NATURAL RESOURCES
MADISON, WI
COOPERATIVE INTERNSHIP AGREEMENT FOR
THE PERIOD 06-03-85 THRU 08-10-85
AWARD # 85-2 BISSEN
MSN AG&LSC NAT RSRC'S- ADMIN (133-J235) 1,680.00
RESEARCH

195. WISC DEPT OF NATURAL RESOURCES
    MADISON, WI
    COOPERATIVE INTERNSHIP AGREEMENT FOR
    THE PERIOD 06-03-85 THRU 08-23-85
    AWARD # 85-2 SALSTROM
    MSN AG&LSC NAT RSRCs- ADMIN
    (133-J236)  2,160.00

196. WISC DEPT OF NATURAL RESOURCES
    MADISON, WI
    COOPERATIVE INTERNSHIP AGREEMENT FOR
    THE PERIOD 06-03-85 THRU 08-23-85
    AWARD # 85-2 PREY
    MSN AG&LSC NAT RSRCs- ADMIN
    (133-J237)  2,160.00

197. WISC DEPT OF NATURAL RESOURCES
    MADISON, WI
    COOPERATIVE INTERNSHIP AGREEMENT FOR
    THE PERIOD 06-27-85 THRU 08-23-85
    AWARD # 85-2 DOW
    MSN AG&LSC NAT RSRCs- ADMIN
    (133-J238)  2,444.00

198. AMERICAN LUNG ASSOCIATION
    NEW YORK, NY
    VENTILATORY LOAD COMPENSATION DURING EXERCISE
    FOR THE PERIOD 07-01-85 THRU 06-30-86
    MSN HS-MED PREVENTIVE MED
    (133-J256)  17,500.00

199. OFFICE OF THE STATE PUBLIC DEFENDER
    MADISON, WI
    EMPLOYEE INTERCHANGE AGREEMENT FOR
    THE PERIOD 05-28-85 THRU 07-27-85
    MSN L&S  SOCIAL WORK
    (133-J257)  5,253.82

200. GREEN BAY EMPLOYERS COALITION ON HEALTH
    CARE MANAGEMENT, INC.
    GREEN BAY, WI
    STRATEGIC PLANNING FOR HEALTH CARE COST
    CONTAINMENT FOR THE PERIOD 05-01-85 THRU 10-30-85
    MSN HS-ADM ADMINISTRATION  HLTH POLICY
    (133-J259)  18,503.00

201. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    GRADUATE STUDENT RESEARCH SUPPORT
    MSN L&S  BOTANY
    (133-J260)  1,500.00

202. WISC DEPT OF NATURAL RESOURCES
    MADISON, WI
    STUDY OCCURRENCE OF OFF-FLAVOR COMPOUNDS IN FISH
    FROM UPPER WISCONSIN RIVER (BROKAW AND DUBAY)
    FOR THE PERIOD 06-12-85 THRU 05-01-86
    AWARD # P.O. #NRE 95024
    MSN AG&LSC FOOD SCIENCE
    (133-J261)  7,000.00

203. SME MANUFACTURING ENGINEERING EDUCATION FOUNDATION
    DEARBORN, MI
    CAPITAL EQUIPMENT AND CURRICULUM DEVELOPMENT FOR
    THE MANUFACTURING SYSTEMS LABORATORY FOR THE
    PERIOD 06-01-85 THRU 05-31-86
    MSN ENGR  ENGR EXPER STA  MFG SY ENG
    (133-J262)  15,513.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

204. WISCONSIN POWER AND LIGHT COMPANY
MADISON, WI
CONTINUATION OF GROUNDWATER AND HEALTH STUDIES
AWARD # P.O. #425418
MSN GRAD WATER RESOURCES
(133-J269) 4,036.28

205. AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY
BETHESDA, MD
GAPS AWARD: "STRUCTURED APPROACH TO RECRUITING
PHARMACY STUDENTS UTILIZING STATE PHARMACY
ASSOCIATIONS & PRACTICING PHARMACISTS" PROJECT
MSN HS-PHR PHARMACY
(133-J265) 10,498.00

206. WISC DEPT OF NATURAL RESOURCES
MADISON, WI
EMPLOYEE INTERCHANGE AGREEMENT FOR
THE PERIOD 05-24-85 THRU 12-31-85
MSN L&S LIB&INF ST
(133-J266) 2,875.00

207. NATIONAL RESEARCH COUNCIL
WASHINGTON, DC
COMMITTEE ON THE STATUS OF BLACK AMERICANS
FOR THE PERIOD 03-13-85 THRU 05-31-85
MSN L&S SOCIOLOGY
(133-J269) 2,082.00

208. ALLIED CORPORATION
SOLVAY, NY
NITROGEN FERTILIZER RESEARCH
MSN AG&LSC SOIL SCIENCE
(133-J272) 2,500.00

209. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
DOCUMENTARY HISTORY OF THE RATIFICATION OF
THE CONSTITUTION
MSN L&S HISTORY
(133-J273) 18,500.00

210. WISC DEPT OF AGRICULTURE TRADE
AND CONSUMER PROTECTION - ANIMAL HEALTH
MADISON, WI
EXPERIMENTAL CAMPYLOBACTER INFECTIONS OF MINK
MSN VET M MEDICAL SCIENCES
(133-J274) 1,500.00

211. PEW SCHOLARS PROGRAM IN THE BIOMEDICAL SCIENCES
NEW HAVEN, CT
PEW SCHOLARS PROGRAM AWARD FOR THE PERIOD
07-01-85 THRU 06-30-86
MSN HS-MED MED MICROBIOLOGY
(133-J275) 50,000.00

212. NATIONAL GEOGRAPHIC SOCIETY
WASHINGTON D.C.
CULTURAL ECOLOGY OF TERRACING AND TERRACE
ABANDONMENT IN THE COLCA VALLEY OF PERU FOR
THE PERIOD 07-01-85 THRU 06-30-86
AWARD # 3100-85
MSN L&S GEOGRAPHY
(133-J276) 10,240.00
RESEARCH

213. GUGGENHEIM (HARRY FRANK) FOUNDATION
NEW YORK, NY
DEVELOPMENTAL NEUROBIOLOGY OF EXPLOSIVE
AGGRESSION AND VIOLENCE FOR THE PERIOD
07-01-85 THRU 06-30-86
MSN HS-PSY PSYCHIATRIC INST
(133-J278) 24,900.00

214. MUSCULAR DYSTROPHY ASSOCIATION
NEW YORK N.Y.
POSTDOCTORAL FELLOWSHIP FOR THE
PERIOD 07-01-85 THRU 06-30-86
MSN AG&LSC GENETICS
(133-J279) 17,000.00

215. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
GROUP PROJECTS ABROAD: SIERRA LEONE
MSN L&S AFRIC LANG & LIT AFR L&A CT
(133-J290) 2,365.00

216. BIDDYNE CHEMICALS, INC.
NEENAH, WI
SOLVENT PULPING RESEARCH
MSN AG&LSC N RSRCS-FORESTRY
(133-J292) 4,000.00

217. DOW CHEMICAL COMPANY
MIDLAND, MI
FOURIER TRANSFORM MICROWAVE PLASMA DETECTOR
FOR GAS CHROMATOGRAPHY
MSN L&S CHEMISTRY
(133-J294) 8,000.00

218. MULTIPLE DONORS
CARDIOTHORACIC EXPERIMENTAL SURGERY FUND
MSN HS-MED SURGERY THORACIC S
(133-J295) 925.00

219. CAMPBELL SCIENTIFIC, INC.
LOGAN, UT
SOIL HEAT FLUX PLATE CALIBRATION
MSN AG&LSC SOIL SCIENCE
(133-J296) 4,635.00

220. TRI-STATE BREEDERS COOPERATIVE
BARABOO, WI
SIRE EVALUATION RESEARCH
MSN AG&LSC DAIRY SCIENCE
(133-J297) 2,000.00

221. GENERAL ELECTRIC FOUNDATION
FAIRFIELD, CT
UPGRADING OF THE MANUFACTURING ENGINEERING
CURRICULUM
MSN ENGR ENGR EXPER STA MFG SY ENG
(133-J298) 75,000.00

222. APPLIED VISION SYSTEMS, INC.
MINNEAPOLIS, MN
AUTOMATED VISUAL INSPECTION OF PRINTED
CIRCUIT PATTERNS
MSN ENGR ENGR EXPER STA EL&COMPUT
(133-J299) 3,814.00
RESEARCH

223. COMMONWEALTH EDISON COMPANY
CHICAGO, IL
QUALIFIED WELDER "A" MECHANIC TRAINING PROGRAM FOR NUCLEAR AND FOSSIL DIVISION FOR THE PERIOD 06-01-85 THRU 10-01-85
AWARD # P.O. #298645
MSN EDUC WIS VOC STU CTR W VOC ST C (133-J300) 76,789.00

224. ENDO TRONICS, INC.
COON RAPIDS, MN
DEVELOPMENT OF Viable EMBRYOS IN CULTure FROM D0CYNAMES MATUR3D AND FERTILIZED IN VITRO
MSN AG&LSC VETERINARY SCI (133-J301) 289,706.00

225. INTERNATIONAL MINERALS & CHEMICAL CORPORATION
TERRE HAUTE, IN
PHARMACY RESEARCH
MSN HS-PHR PHARMACY (133-J303) 1,383.00

226. YAHARA FISHERMANS CLUB
MADISON, WI
STUDY OF VEGETATIVE NUISANCES AND THEIR CONTROL IN MADISON AREA LAKES
MSN AG&LSC PLANT PATHOLOGY (133-J304) 250.00

227. MULTIPLE DONORS
TURFGRASS RESEARCH
MSN AG&LSC SOIL SCIENCE (133-J306) 775.00

228. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
DEPARTMENT OF CHEMISTRY GRANT-IN-AID
MSN L&S CHEMISTRY (133-3878) 35,000.00

229. STUDY OF BASIC AND CLINICAL ASPECTS OF EXPERIMENTAL FLUORINE TOXICOSIS
MSN AG&LSC BIOCHEMISTRY (133-3220)
5,000.00 ANONYMOUS DONOR
5,000.00 REYNOLDS METALS COMPANY RICHMOND, VA
5,000.00 MONSANTO COMPANY ST. LOUIS, MO

230. PROCTER & GAMBLE COMPANY
CINCINNATI, OH
SUPPORT RESEARCH IN THE DEPARTMENT OF BIOCHEMISTRY
MSN AG&LSC BIOCHEMISTRY (133-3678) 9,500.00

231. WEED CONTROL IN AGRONOMIC CROPS
MSN AG&LSC AGRONOMY (133-5014)
750.00 MULTIPLE DONORS
1,500.00 AMERICAN HOECHST CORPORATION BROWNSDALE, MN
4,000.00 ICI AMER I CAS INC. GOLDSBORO, NC
650.00 MULTIPLE DONORS
2,500.00 MINNESOTA MINING AND MANUFACTURING COMPANY ST. PAUL, MN
3,000.00 BASF WYANDOTTE CORPORATION PARSIPPANY, NJ
RESEARCH

231. WEED CONTROL IN AGRONOMIC CROPS
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17,400.00

232. MINNESOTA AGRICULTURAL EXPERIMENT STATION
ST. PAUL, MN
STUDY OF THE DEVELOPMENT OF IMPROVED SOIL AND WATER MANAGEMENT SYSTEMS FOR SLOPING LAND IN THE UPPER MISSISSIPPI VALLEY
MSN AG&LSC EXPERIMENT STATIONS (133-5139)

3,000.00

233. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SUPPORT FOOD RESEARCH INSTITUTE
MSN AG&LSC FOOD MICRO&TOXIC (133-5328)

395,000.00

234. MULTIPLE DONORS
SUPPORT MEDICAL PHYSICS PROGRAM
MSN HS-MED MEDICAL PHYSICS (133-5448)

10.00

235. MULTIPLE DONORS
STAPHYLOCOCCUS ENTEROTOXIN RESEARCH
MSN AG&LSC FOOD MICRO&TOXIC (133-5654)

800.00

236. MULTIPLE DONORS
MEDICAL SCHOOL DEAN’S UNRESTRICTED FUND
MSN HS-MED (133-5671)

35.00

237. PLANT DISEASE CONTROL STUDIES
MSN AG&LSC PLANT PATHOLOGY (133-6696)

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238. TRUCK CROP AND POTATO INSECTS AND THEIR CONTROL
MSN AG&LSC ENTOMOLOGY (133-6855)

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3,500.00
## GIFTS, GRANTS AND CONTRACTS
### JULY 12, 1985

**UNIVERSITY OF WISCONSIN - MADISON**

### RESEARCH

#### 239. SUPPORT RESEARCH ON METHODS AND MATERIALS FOR WEED CONTROL IN FRUIT AND VEGETABLE CROPS

**MSN AG&LSC HORTICULTURE**

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#### 240. MULTIPLE DONORS

**CANCER RESEARCH IN SURGERY DEPARTMENT**

**MSN HS-MED SURGERY GEN SURG**

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#### 241. GROWTH REGULATOR RESEARCH ON AGRONOMIC CROPS

**MSN AG&LSC AGRONOMY**

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#### 242. NAUTILUS RESEARCH CORPORATION

**MADISON, WI**

**STUDIES OF DIVALENT CATIONS IN ANTACID PHARMACOLOGY**

**MSN HS-MED MEDICINE GASTROENT**

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#### 243. HERBICIDE RESEARCH PROGRAM

**MSN AG&LSC AGRONOMY**

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#### 244. UNIVERSITY OF WISCONSIN FOUNDATION

**MADISON, WI**

**SUPPORT CANCER RESEARCH IN THE CLINICAL CANCER CENTER**

**MSN HS-MED HUMAN ONCOLOGY**

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UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

245. HERD DEVELOPMENT AND DAIRY CATTLE BREEDING RESEARCH
MSN AG&LSC DAIRY SCIENCE (133-9531)

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5,460.00

STUDENT AID

1. IRVING TRUST COMPANY
NEW YORK, NY
LATOWSKY, HAZEL ESTATE
MSN G SERV FELLOWS & SCHOLS (LOANS) 40,935.51

2. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
WHITBECK, R. H.--FELLOWSHIP
MSN L&S GEOGRAPHY (TRUST) 200.99

3. CONTINENTAL BANK
CHICAGO, IL
SCHULTE, HELEN D. TRUST SCHULTE, HELEN DENNE-LOAN FUND
MSN HS-NUR (TRUST) 15,759.18

4. CONTINENTAL BANK
CHICAGO, IL
SCHULTE, HELEN D. TRUST SCHULTE, WALTER B.--SCHOLARSHIP FUND
MSN ENGR (TRUST) 15,759.20

5. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
VETERINARY MEDICINE SCHOLARSHIP FUND
MSN VET M ADMIN-ACAD AFF'S ACAD AFF'S (TRUST) 12,500.00

6. CLARKE, FREDERICK A.S.
ENTREGA GENERAL
PANAMA, PANAMA
SOLALINDE, ANTONIO G.--SCHOLARSHIP
MSN L&S SPANISH & PORT (TRUST) 20.00

7. ANONYMOUS DONOR
BUNGE, HELEN L.--SCHOLARSHIP
MSN HS-NUR (TRUST) 2,000.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

8. PI ALPHA XI
MADISON, WI
RHO CHAPTER PI ALPHA XI HORTICULTURE SCHOLARSHIP
MSN AG&LSC ACAD STU AFF ADM SCHOLARSHIP (TRUST) 1,000.00

9. BOWMAN, JAMES D.
PEORIA, IL
PETERSON, H. ISABELLE SCHOLARSHIP FUND
MSN HS-MED (TRUST) 250.00

10. FIRST WISCONSIN TRUST COMPANY
MILWAUKEE, WI
CORFIELD, BESSIE TRUST
CORFIELD, BESSIE--GRADUATE SCHOLARSHIP
MSN (TRUST) 332,985.60

11. EDUCATION, DEPT OF WASHINGTON, DC
COLLEGE WORK STUDY PROGRAM
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # PO08614553
MSN G SERV FELLOWS & SCHOLS (145-0186) 2,026,796.00

12. EDUCATION, DEPT OF WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:

1) SUPPLEMENTAL EDUCATIONAL OPPORTUNITY
GRANTS PROGRAM (INITIAL GRANTS)
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # PO08634553
MSN G SERV FELLOWS & SCHOLS (146-0021) 1,025,323.00

2) SUPPLEMENTAL EDUCATIONAL OPPORTUNITY
GRANTS PROGRAM (CONTINUING GRANTS)
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # PO08644553
MSN G SERV FELLOWS & SCHOLS (146-0022) 1,474,153.00

13. EDUCATION, DEPT OF WASHINGTON, DC
NATIONAL DIRECT STUDENT LOAN PROGRAM
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # PO08624553
MSN S LOAN STU LOANS NDSL (LOANS) 3.00

14. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
ROCKVILLE, MD
PRE-DOCTORAL FELLOWSHIP AWARD
FOR THE PERIOD 01-01-85 THROUGH 12-31-85
AT A TOTAL COST OF $9,552.00
AWARD # 3 F31 MH09114-0151, MOD. 1
MSN GRAD L&S PSYCHOLOGY (144-W218) 1,260.00

15. UNIVERSITY LEAGUE, INC.
MADISON, WI
SCHOLARSHIPS IN THE COLLEGE OF AGRICULTURAL AND LIFE SCIENCES
MSN AG&LSC ACAD STU AFF ADM SCHOLARSHIP (133-B489) 325.00
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### UNIVERSITY OF WISCONSIN - MADISON

#### STUDENT AID

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GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

49. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    STEVENS POINT ALUMNI SCHOLARSHIP
    MSN G SERV FELLOWS & SCHOLS  (133-G472)  3,000.00

50. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    BARABOO ALUMNI SCHOLARSHIP
    MSN G SERV FELLOWS & SCHOLS  (133-G473)  4,000.00

51. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    CHICAGO ALUMNI SCHOLARSHIP-MATCHING
    MSN G SERV FELLOWS & SCHOLS  (133-G474)  6,000.00

52. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    GOGEBIC-IRON RANGE ALUMNI SCHOLARSHIP
    MSN G SERV FELLOWS & SCHOLS  (133-G475)  6,000.00

53. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    SEATTLE ALUMNI SCHOLARSHIP
    MSN G SERV FELLOWS & SCHOLS  (133-G478)  1,127.50

54. EASTMAN KODAK COMPANY
    ROCHESTER, NY
    KODAK FELLOWS PROGRAM GRADUATE FELLOWSHIP
    MSN L&S CHEMISTRY  (133-H427)  666.50

55. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    GAMAGE (DAVID L) FUSION SCHOLARSHIP FUND FOR
    NUCLEAR ENGINEERING GRADUATE STUDENTS
    MSN ENGR NUCLEAR ENGR  (133-J160)  700.00

56. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    ELKO (JAMES P) MEMORIAL FUND FOR UNDERGRADUATE
    SCHOLARSHIPS IN NUCLEAR ENGINEERING
    MSN ENGR NUCLEAR ENGR  (133-J161)  700.00

57. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    COLLEGE OF ENGINEERING FUND FOR POLYGON AWARDS
    MSN ENGR ADMINISTRATION  (133-J169)  2,100.00

58. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    HENRY B. HERMAN MEMORIAL SCHOLARSHIP
    MSN G SERV FELLOWS & SCHOLS  (133-J201)  50.00

59. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    KEITH B AND KATHERINE MCKY SCHOLARSHIP
    MSN G SERV FELLOWS & SCHOLS  (133-J233)  50.00
## GIFTS, GRANTS AND CONTRACTS
### JULY 12, 1985

**UNIVERSITY OF WISCONSIN - MADISON**

### STUDENT AID

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|     |                                    | (133-J239)  | 350.00
| 61. | UNIVERSITY OF WISCONSIN FOUNDATION | CHECKERS, SIMON & ROSNER SCHOLARSHIP |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J240)  | 500.00
| 62. | UNIVERSITY OF WISCONSIN FOUNDATION | L.J. LARSON EXCELLENCE AWARD |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J241)  | 350.00
| 63. | UNIVERSITY OF WISCONSIN FOUNDATION | KENNETH B. WACKMAN SCHOLARSHIP |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J242)  | 600.00
| 64. | UNIVERSITY OF WISCONSIN FOUNDATION | WIGGIN’S CHARITABLE TRUST SCHOLARSHIP |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J243)  | 200.00
| 65. | UNIVERSITY OF WISCONSIN FOUNDATION | WILLIAMS, YOUNG & ASSOCIATES SCHOLARSHIP |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J244)  | 500.00
| 66. | UNIVERSITY OF WISCONSIN FOUNDATION | WIPFLI, ULLRICH & CO. SCHOLARSHIP |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J245)  | 500.00
| 67. | UNIVERSITY OF WISCONSIN FOUNDATION | EARL F. AIKEN SCHOLARSHIP FUND |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J246)  | 400.00
| 68. | UNIVERSITY OF WISCONSIN FOUNDATION | DAVID N. CONNOR MEMORIAL FUND |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J247)  | 1,000.00
| 69. | UNIVERSITY OF WISCONSIN FOUNDATION | MAY DEPARTMENT STORES FOUNDATION |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J248)  | 500.00
| 70. | UNIVERSITY OF WISCONSIN FOUNDATION | REXFORD H. FLUNO SCHOLARSHIP |
|     | MADISON, WI                        | MSN BUS     |
|     |                                    | (133-J249)  | 1,500.00
UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

71. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    CARL DIETZE SCHOLARSHIP
    MSN BUS SCH OF BUSINESS (133-J250) 1,250.00

72. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    LOTHAR I. IVERSEN MEMORIAL SCHOLARSHIP
    MSN BUS SCH OF BUSINESS (133-J251) 500.00

73. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    ELSIE IVERSEN SCHILDHAUER MEMORIAL SCHOLARSHIP
    MSN BUS SCH OF BUSINESS (133-J252) 500.00

74. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    ELMER IVERSEN JENS MEMORIAL SCHOLARSHIP
    MSN BUS SCH OF BUSINESS (133-J253) 500.00

75. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    EDGAR B. KAPP SCHOLARSHIP
    MSN BUS SCH OF BUSINESS (133-J254) 1,975.00

76. UNIVERSITY LEAGUE, INC.
    MADISON, WI
    VIRGINIA HILL THAYER SCHOLARSHIP
    MSN L&S JOURN & MASS COM (133-J291) 270.00

77. MARTIN MARIETTA ENERGY SYSTEMS, INC.
    OAK RIDGE, TN
    ENGINEERING SCHOLARSHIPS
    MSN ENGR ADMINISTRATION (133-J293) 2,000.00

78. MULTIPLE DONORS
    SCHOOL OF PHARMACY UNDERGRADUATE SCHOLARSHIP FUND
    MSN H5-PHR PHARMACY (133-1078) 150.00

79. NORTHWESTERN MUTUAL LIFE INSURANCE COMPANY
    MILWAUKEE, WI
    SCHOLARSHIP IN ACTUARIAL SCIENCE
    MSN BUS SCH OF BUSINESS (133-1085) 4,250.00

80. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    STUDENT FINANCIAL AID FUND
    MSN G SERV FELLOWS & SCHOLS (133-2109) 15,035.55

81. BADGER BANKERS CLUB
    MILWAUKEE, WI
    BADGER BANKERS CLUB SCHOLARSHIP
    MSN BUS SCH OF BUSINESS (133-3189) 1,000.00

82. MINNESOTA MINING AND MANUFACTURING COMPANY
    ST. PAUL, MN
    UNDERGRADUATE ENGINEERING SCHOLARSHIP PROGRAM
    MSN ENGR (133-3954) 5,000.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

83. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
MECHANICAL ENGINEERING SCHOLARSHIPS
MSN ENGR MECHANICAL ENGR (133-3991) 600.00

84. WISCONSIN FERTILIZER AND CHEMICAL ASSOCIATION, INC
MADISON, WI
UNDERGRADUATE SCHOLARSHIP
MSN AG&LSC ACAD STU AFF ADM SCHOLARSHIP (133-3999) 2,100.00

85. WISCONSIN NATIONAL LIFE INSURANCE COMPANY
OSHKOSH, WI
COOPERATING LIFE INSURANCE COMPANIES SCHOLARSHIP
MSN BUS SCH OF BUSINESS (133-4496) 1,000.00

86. PROCTER & GAMBLE COMPANY
CINCINNATI, OH
GRADUATE FELLOWSHIP IN CHEMISTRY
MSN L&S CHEMISTRY (133-4944) 9,500.00

87. BRADISH (NORMAN C) TRUST
WINTER PARK, FL
MAX CARL OTTO PHILOSOPHY SCHOLARSHIP
MSN L&S PHILOSOPHY (133-5161) 2,500.00

88. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
EVANS P. HELFAER UNDERGRADUATE SCHOLARSHIP IN CHEMISTRY
MSN L&S CHEMISTRY (133-5989) 2,000.00

89. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
WISCONSIN ALUMNI CLUB-UWF MATCHING SCHOLARSHIP PROGRAM
MSN G SERV FELLOWS & SCHOLS (133-6097) 20,500.00

90. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
BRADFORD B. RICHMOND SCHOLARSHIP FUND
MSN AG&LSC ACAD STU AFF ADM (133-6644) 3,000.00

91. BRANN (ETHEL M) FOUNDATION, INC
GREEN BAY, WI
SCHOLARSHIP FOR GRADUATE STUDY IN THE AREA OF PUBLIC LIBRARIANSHIP
MSN L&S LIB&INF ST (133-7541) 750.00

92. U D P FOUNDATION
DES PLAINES, IL
CHEMICAL ENGINEERING UNDERGRADUATE SCHOLARSHIPS
MSN ENGR CHEMICAL ENGR (133-8033) 1,000.00

93. NICKERSON (FRANK AND ESTHER RHEA) MEMORIAL SCHOLARSHIP TRUST
MADISON, WI
FRANK AND ESTHER RHEA NICKERSON MEMORIAL SCHOLARSHIP
MSN ATH GENERAL OPERATIONS ADMIN (133-8354) 2,240.20
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

94. MULTIPLE DONORS
UNDERGRADUATE ACTUARIAL SCHOLARSHIP FUND-HIGH SCHOOL SCHOLARSHIP PROGRAM
MSN BUS SCH OF BUSINESS (133-8377) 930.00

TOTAL MADISON 22,400,024.50

INSTRUCTION 2,213,439.80
LIBRARIES 384,430.92
MISCELLANEOUS 487,084.87
PHYSICAL PLANT 58,340.00
RESEARCH 14,107,654.68
STUDENT AID 5,149,074.23
UNIVERSITY OF WISCONSIN - MILWAUKEE

GIFT-IN-KIND

1. JOHNSON-MATTHEY, INC.
   WEST TAMBLYN, NJ
   GIFT OF GOLD CHLORIDE CRYSTAL
   DONATED TO UWM CHEMISTRY DEPARTMENT
   AWARD # NONE
   MIL &S CHEMISTRY

2. DEBRA L. BRINDIS
   WHITEFISH BAY, WI
   A GIFT OF ASSORTED TOYS, DESK, STUFFED ANIMALS
   INCLUDING SEVERAL LARGE STUFFED TOYS, AND A
   TRAIN TOY BOX DONATED TO THE UNIVERSITY OF
   WISCONSIN-MILWAUKEE DAY CARE CENTER.
   AWARD # NONE
   MIL EDUC EARLY CHILHD CT

INSTRUCTION

1. EDUCATION, DEPT OF
   WASHINGTON, DC
   HIGH SCHOOL EQUIVALENCY PROGRAM
   FOR THE PERIOD 09-01-85 THROUGH 08-31-86
   MIL EDUC COMMUNITY EDUC
   (144-W788) 356,963.00

2. ENERGY, DEPT OF
   WASHINGTON, D. C.
   PREP-GEST UWM
   FOR THE PERIOD 05-01-85 THROUGH 04-30-86
   AWARD # DE-FG05-85ER75197
   MIL ENGBAS ADMINISTRATION AC SUP-MIN
   (144-W634) 14,000.00

3. UWM FOUNDATION (GEST)
   MILWAUKEE, WI
   MINORITY ENGINEERING TUTORIAL PROJECT
   MIL ENGBAS ADMINISTRATION
   (133-G404) 3,000.00

4. INROADS/MILWAUKEE
   MILWAUKEE, WI
   PRE-COLLEGIATE PROGRAM FOR MINORITY STUDENTS
   MIL URBN O ADMINISTRATION ADMIN
   (133-H661) 29,053.00

5. UNIVERSITY OF WISCONSIN -MILWAUKEE FOUNDATION
   MILWAUKEE, WI
   SUPPORT OF ECONOMIC EDUCATION PROGRAM DEVELOPMENT
   AND RELATED ACTIVITY
   MIL &S ECONOMIC EDUC ECON EDUC
   (133-4849) 1,500.00

RESEARCH

1. DEPARTMENT OF DEFENSE ARMY
   AMES, IOWA
   THERMAL-ACOUSTO-OPTICS FOR REMOTE NON-CONTACTING
   NDE
   FOR THE PERIOD 07-01-85 THROUGH 08-31-85
   AWARD # DAAG29-85-K-0178
   MIL ENGBAS CIVIL ENGINEER'G
   (144-W780) 8,977.00
2. DEPARTMENT OF THE NAVY, OFFICE OF NAVAL RESEARCH
ARLINGTON, VA
SEVENTH INTERNATIONAL SUMMER INSTITUTE IN SURFACE SCIENCE (ISIS 1985)
FOR THE PERIOD 04-08-85 THROUGH 12-31-85
AWARD # NO0014-85-G-0140
MIL GRAD LAB FOR SURF STU (144-W676) 15,000.00

3. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
ROCKVILLE, MD 20857
MARRITAL ADAPTATION DURING RECOVERY FROM ALCOHOLISM
FOR THE PERIOD 06-01-85 THROUGH 05-30-86
AWARD # 1RO3 AA06638-01
MIL NURS HLTH RESTORATION (144-W688) 21,450.00

4. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD
BIOMEDICAL RESEARCH SUPPORT GRANT
FOR THE PERIOD 04-01-85 THROUGH 03-31-86
AWARD # 2SO07RR07181-07
MIL GRAD DEANS OFFICE ADMIN (144-W523) 229.00

5. ROME AIR DEVELOPMENT CENTER
GRIFFISS AFB, NY
ELECTROMIGRATION IN METALLIC MICROSTRUCTURES
FOR THE PERIOD 05-21-85 THROUGH 09-30-85
AWARD # F30602-85-C-0071
MIL L&S PHYSICS (144-W703) 26,223.00

6. DOD, ARMY RESEARCH OFFICE
RESEARCH TRIANGLE PARK, N.C.
LOW TEMPERATURE FILM GROWTH OF THE OXIDES OF ZINC, ALUMINUM AND VANADIUM BY REACTIVE SPUTTER DEPOSITION
FOR THE PERIOD 07-01-84 THROUGH 06-30-86
AWARD # DAAG29-84-K-0126
MIL GRAD LAB FOR SURF STU (144-U666) 63,932.00

7. ENERGY, DEPT OF ARGONNE, IL
SURFACE EXCITATIONS AND THEIR INTERACTION WITH LOW ENERGY ELECTRONS
FOR THE PERIOD 06-01-84 THROUGH 05-31-86
AWARD # DE-FG02-84ER45076
MIL L&S PHYSICS (144-U462) 88,000.00

8. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C.
ANALYSIS OF TOXICANTS BY CONTINUOUS ZOOPLANKTON CULTURE METHODS: A NEW TECHNIQUE
FOR THE PERIOD 08-01-84 THROUGH 07-31-86
AWARD # R-810871-0L-0
MIL GRAD GT LKS ST, CTR F GT LKS STU (144-U751) 69,582.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

9. WISCONSIN DEPARTMENT OF NATURAL RESOURCES
   MADISON, WI
   LIFE HISTORY AND DISTRIBUTION OF NORTHERN MONKSHOOD
   FOR THE PERIOD 10-01-84 THROUGH 09-30-85
   AWARD # P.O. NRE 93759
   MIL L&S BIOLOGICAL SCI (144-W080) 1,840.00

10. THE STATE HISTORICAL SOCIETY OF WISCONSIN
    MADISON, WI
    REGIONAL ARCHAEOLOGY IN SOUTHEASTERN WISCONSIN
    FOR THE PERIOD 06-03-85 THROUGH 07-15-86
    AWARD # HSE2121
    MIL L&S ANTHROPOLOGY ANTHROPOL (144-W779) 14,542.00

11. NATIONAL AERONAUTICS AND SPACE ADMIN
    CLEVELAND, OH
    A STUDY OF REYNOLDS-STRESS CLOSURE MODEL
    FOR PREDICTIONS OF MOMENTIUM AND HEAT
    TRANSFER ROLES.
    FOR THE PERIOD 06-01-85 THROUGH 05-31-86
    AWARD # NAG-3-546
    MIL ENG&AS MECHANICAL ENGR (144-U379) 15,583.00

12. NATIONAL AERONAUTICS AND SPACE ADMIN
    JOHNSON SPACE CENTER
    HOUSTON, TX
    INTERGOVERNMENTAL PERSONNEL ACT ASSIGNMENT.
    (SABBATICAL SALARY SUPPORT FOR DR. MICHAEL
    GREENISEN'S RESEARCH).
    FOR THE PERIOD 09-02-85 THROUGH 05-30-86
    MIL A H P HUMAN KINETICS (144-W721) 18,789.00

13. NATIONAL ENDOWMENT FOR THE ARTS
    WASHINGTON, D. C.
    THE IMPACT OF INFORMATION DESIGN ON SPATIAL
    ORIENTATION AND WAY FINDING BEHAVIOR IN
    BUILDINGS
    FOR THE PERIOD 06-01-85 THROUGH 05-31-86
    AWARD # 5242520072
    MIL ARC&UP ARCH,URB PL RES ARCH&U P R (144-W651) 25,190.00

14. NATIONAL SCIENCE FOUNDATION
    WASHINGTON, DC
    IN SUPPORT OF THE FOLLOWING:

   1) DATA SECURITY
      (COMPUTER RESEARCH)
      FOR THE PERIOD 06-01-81 THROUGH 05-31-86
      AWARD # DCR-8112945-03
      MIL ENG&AS ELEC ENGR&COMP S (144-Q805) 33,701.00

   2) PROLACTIN BINDING ACTIVITY AND BRAIN FUNCTION
      FOR THE PERIOD 08-01-83 THROUGH 01-31-87
      AWARD # PCM-8303026-01
      MIL L&S BIOLOGICAL SCI (144-T334) 53,233.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

3) EARLY AND MIDDLE ARCHAIC ADAPTATIONS IN THE MISSISSIPPI VALLEY: MODDC ROCK SHELTER REVISITED FOR THE PERIOD 07-01-84 THROUGH 12-31-86 AWARD # BNS-8407161 MIL L&S ANTHROPOLOGY (144-U448) 20,711.00

4) THE STRUCTURE OF SURFACES BY PHOTOELECTRON DIFFRACTION AND OTHER SURFACE SPECTROSCOPIES (MATERIALS RESEARCH) FOR THE PERIOD 06-15-84 THROUGH 03-31-86 AWARD # DMR-8405049-01 MIL L&S PHYSICS (144-U602) 4,000.00

15. REXNORD MILWAUKEE, WI COMPRESSION TESTING OF ROCKS FOR THE PERIOD 05/03/85 THROUGH 05/06/85. AWARD # MC-031984 MIL ENG&AS CIVIL ENGINEER’G (133-C667) 420.00

16. FIRST AMERICAN BANK OF LAKE COUNTY LAKE VILLA, IL AN ARCHAEOLOGICAL SURVEY OF A PROJECT NEAR BUFFALO GROVE, ILLINOIS. AWARD # P.O. 23354 MIL L&S ANTHROPOLOGY (133-E567) 500.00

17. EXXON PRODUCTION RESEARCH HOUSTON, TEXAS SEA-ICE CRYSTALLOGRAPHIC FABRIC STUDIES MIL GRAD GT LKS ST, CTR F GT LKS STU (133-G391) 1,485.00

18. AMERICAN ANTHROPOLOGICAL ASSOCIATION WASHINGTON, D.C. DISCRETIONARY USE BY LYNNE GOLDSTEIN MIL L&S ANTHROPOLOGY (133-G403) 1,595.80

19. ACTION FOR GOALS 2000 MILWAUKEE, WI ASSESSING PROGRESS TOWARDS GOALS 2000 FOR THE PERIOD 07/01/84 THROUGH 06/30/85. MIL GRAD URBAN RESEAC TR (133-G413) 2,915.50

20. UWM FOUNDATION (JERRY LEER - VARIOUS) MILWAUKEE, WI JERRY LEER ACCOUNTING FUND MIL BUS AD MGMT RESRCH CTR (133-G426) 4,367.00

21. CONOCO HOUSTON, TX GROUND ROLL LEVELS RADIATED BY A VIABRATOR UNDER VARIOUS CONDITIONS FOR THE PERIOD 06/01/85 THROUGH 07/01/86. AWARD # 2348301 MIL L&S GEOL&GEOPH SCI’S (133-H659) 19,000.00
RESEARCH

22. SHAW FUNDS/MILWAUKEE FOUNDATION/
UWM FOUNDATION
MILWAUKEE, WI
SHAW Distinguished Professor in
BIOLOGICAL SCIENCES.
MIL L&S BIOLOGICAL SCI BIOLOGICAL SCI (133-H660) 14,850.00

23. WISCONSIN DEPARTMENT OF TRANSPORTATION
MADISON, WI
ESTABLISHING PAVEMENT ROUGHNESS AND PERCEPTION
OF RIDE QUALITY AND INTENSITY.
FOR THE PERIOD 06/14/85 THROUGH 08/31/85.
AWARD # P.O. TRE 08794
MIL ENG&AS IND & SYSTS (133-H662) 32,963.00

24. WISCONSIN DEPARTMENT OF TRANSPORTATION
MADISON, WI
ASSESSMENT OF BENEFITS OF INTERCITY BUS SERVICE
FOR THE PERIOD 06/14/85 THROUGH 07/31/86
AWARD # POTREO8795
MIL ARC&UP ARCH,URB PL RES ARCH&U PR (133-H663) 28,587.00

25. WISCONSIN DEPARTMENT OF TRANSPORTATION
MADISON, WI
BENEFITS OF LOCAL TRANSPORTATION
AWARD # P.O. TRE 08792
MIL ARC&UP ARCH,URB PL RES ARCH&U PR (133-H664) 29,131.00

26. WISS JANNEY ELSTNER ASSOC.
NORTHBROOK, IL
TENSION ROD TESTS
AWARD # CHECK #18665
MIL ENG&AS CIVIL ENGINEER (133-9372) 4,533.66

STUDENT AID

1. ETTEHEIM, GEORGE P.--STUDENT ASSISTANCE (MILW)
MIL STU AF FINANCIAL AID FELA SCHOL (TRUST)
110.00 MULTIPLE DONORS $ 60.00
VOGEL, GERALDINE & DONALD 50.00
SHOREWOOD, WI
275.00 RADDE, BRUCE F.-SAN JOSE, CA $ 200.00
CRANE, WILDER-MILWAUKEE, WI 25.00
ELEY, LYNN W.-MEQUON, WI 50.00
50.00 RUMBLE, MRS. KIRK FORBES
POUGHKEEPSIE, NY
95.00 MULTIPLE DONORS

2. EDUCATION, DEPT OF
WASHINGTON, D.C.
NATIONAL DIRECT STUDENT LOAN PROGRAM
FOR THE PERIOD 07-01-84 THROUGH 06-30-85
AWARD # POOBS24554
MIL STU AF FINANCIAL AID (LOANS) 4,262.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - MILWAUKEE

STUDENT AID

3. DHHS, PHS, ALCHEL DRUG ABUSE MNTL HLTH ADM
   ROCKVILLE, MD.
   TRAINING FOR MINORITY/DISADVANTAGED SOCIAL WORKERS
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # ST01 MH17622-03
   MIL'S WELF SOC WELFARE ADMN (144-W675) 30,620.00

4. WISCONSIN DEPARTMENT OF NATURAL RESOURCES
   MADISON, WI
   WDNR INTERNS
   FOR THE PERIOD 05/01/85 THROUGH 08/23/85.
   AWARD # 83-9
   MIL STU AF PLACE&CAREER DEV PROV'L&SUP (133-G402) 5,943.00

5. MULTIPLE DONORS
   UWM ATHLETIC GRANT-IN-AID
   MIL STU AF ATHLETICS-ADMIN ADMIN-GEN (133-6363) 2,046.00

| TOTAL MILWAUKEE | 1,069,246.96 |

| INSTRUCTION | 404,516.00 |
| RESEARCH | 621,329.96 |
| STUDENT AID | 43,401.00 |
UNIVERSITY OF WISCONSIN - GREEN BAY

MISCELLANEOUS

1. SCHOOL SERVICES BUREAU
   GBY AC AFF SCH SVCS BUREAU (133-C550)
   1,325.00 MULTIPLE DONORS
   2,250.00 MENOMINEE INDIAN SCHOOL DISTRICT
   KESHENA, WI
   1,500.00 MULTIPLE DONORS
   5,075.00

STUDENT AID

1. EDUCATION, DEPT OF
   WASHINGTON, DC
   COLLEGE WORK STUDY PROGRAM
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # P008614553
   GBY ST AID FEL & SCHOL-ADG (145-5186) 369,455.00

2. EDUCATION, DEPT OF
   WASHINGTON, DC
   IN SUPPORT OF THE FOLLOWING:

   1) SUPPLEMENTAL EDUCATIONAL OPPORTUNITY
      GRANTS PROGRAM (INITIAL GRANTS)
      FOR THE PERIOD 07-01-85 THROUGH 06-30-86
      AWARD # P008634553
      GBY ST AID FEL & SCHOL-ADG (146-5021) 181,425.00

   2) SUPPLEMENTAL EDUCATIONAL OPPORTUNITY
      GRANTS PROGRAM (CONTINUING GRANTS)
      FOR THE PERIOD 07-01-85 THROUGH 06-30-86
      AWARD # P008644553
      GBY ST AID FEL & SCHOL-ADG (146-5022) 221,915.00

   TOTAL GREEN BAY 777,870.00

MISCELLANEOUS 5,075.00
STUDENT AID 772,795.00
UNIVERSITY OF WISCONSIN - OSHKOSH

GIFT-IN-KIND

1. GEOSOURCE INC.
   HOUSTON, TX
   RECONDITIONED 1978 FORD 6X4 TRUCK AND FAILING
   Y-900 VIBRATOR, KLINE 1220 USED HYDRAULIC PUMP,
   TWO SETS OF VIBRATOR AND RECORDING ELECTRONICS.
   OSH L&S  PHYS-ASTRONOMY

INSTRUCTION

1. WI DEPT HEALTH & SOCIAL SERVICES
   MADISON, WI
   INTERAGENCY AGREEMENT TO PROVIDE TRAINING,
   TECHNICAL ASSISTANCE AND CONSULTATION TO THE
   STATE OF WISCONSIN'S OFFICE OF MENTAL HEALTH
   CHILD AND ADOLESCENT SERVICE SYSTEM PROGRAM
   AWARD # P.O. FDE 8301
   OSH L&S  SOCIAL WORK
   (133-3329)  1,418.00

TOTAL OSHKOSH  1,418.00

INSTRUCTION  1,418.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - PARKSIDE

MISCELLANEOUS

1. JOHNSON (S C) & SON, INC.
   RACINE, WI
   LIFE SCIENCE SEMINAR SERIES
   PKS SC&SOC SCIENCE   LIFE SCI (133-B148) 1,510.00

2. MULTIPLE DONORS
   REPAIR AND MAINTENANCE OF SCIENCE DIVISION
   EQUIPMENT
   PKS SC&SOC SCIENCE   ADMIN (133-H334) 100.00

RESEARCH

1. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
   BETHESDA, MD
   IN VITRO DIRECTIONAL ELONGATION OF NEURITES
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # 2 RO1 NS18214-04
   PKS SC&SOC SCIENCE   LIFE SCI (144-W764) 45,225.00

2. NATIONAL SCIENCE FOUNDATION
   WASHINGTON, DC
   COMPUTER GRAPHICS LABORATORY FOR
   ENGINEERING AND CARTOGRAPHY
   FOR THE PERIOD 06-01-85 THROUGH 11-30-87
   AWARD # CSI-8551948
   PKS MOD IN ENGINEERING SCI   ENGR TECH (144-W723) 50,000.00

3. ROCKWELL LIME COMPANY
   MANITOWOC, WI
   CENTER FOR SURVEY AND MARKETING RESEARCH
   PKS MOD IN BUS & ADMIN SCI   BUS MGMNT (133-G937) 4,168.00

STUDENT AID

1. EDUCATION, DEPT OF
   WASHINGTON, DC
   COLLEGE WORK-STUDY PROGRAM
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # PO08614556
   PKS BUS SV FELLOWS & SCHOLS (145-3186) 147,846.00

2. EDUCATION, DEPT OF
   WASHINGTON, DC
   IN SUPPORT OF THE FOLLOWING:
   1) SUPPLEMENTAL EDUCATIONAL OPPORTUNITY
      GRANTS PROGRAM (INITIAL GRANTS)
      FOR THE PERIOD 07-01-85 THROUGH 06-30-86
      AWARD # PO08634556
      PKS BUS SV FELLOWS & SCHOLS (146-3021) 194,494.00
   2) SUPPLEMENTAL EDUCATIONAL OPPORTUNITY
      GRANTS PROGRAM (CONTINUING GRANTS)
      FOR THE PERIOD 07-01-85 THROUGH 06-30-86
      AWARD # PO08644556
      PKS BUS SV FELLOWS & SCHOLS (146-3022) 194,494.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - PARKSIDE

STUDENT AID

3. EDUCATION, DEPT OF
WASHINGTON, DC
NATIONAL DIRECT STUDENT LOAN PROGRAM
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # P008624856
PKS SL&W-S STUDENT LOANS
(LOANS) 75,509.00

4. EDUCATION, DEPT OF
WASHINGTON, DC
PELL GRANT PROGRAM
(REDUCTION IN GRANT FUNDS)
FOR THE PERIOD 07-01-83 THROUGH 06-30-84
AT A TOTAL COST OF $882,592.00
AWARD # P008403238, MOD. 4
PKS BUS SV FELLOWS & SCHOLS
(148-G084) 27,242.00

5. RACINE COUNTY MEDICAL AUXILIARY
RACINE, WI
SCHOLARSHIPS TO BE AWARDED TO SENIOR, PRE-MEDICAL
STUDENTS AT PARKSIDE
PKS BUS SV FELLOWS & SCHOLS
(133-A076) 1,850.00

6. MULTIPLE DONORS
SCHOLARSHIP FOR OUTSTANDING SCIENCE STUDENT
PKS SC&SOC SCIENCE ADMIN
(133-F149) 200.00

7. MULTIPLE DONORS
ART SCHOLARSHIP FUND
PKS BUS SV FELLOWS & SCHOLS
(133-G128) 80.00

8. ALUMNI ANNUAL FUND
PKS BUS SV FELLOWS & SCHOLS
(133-G893)
1,200.00 UNIVERSITY OF WISCONSIN FOUNDATION
105.00 MULTIPLE DONORS
1,305.00

9. MULTIPLE DONORS
PARKSIDE SCHOLARSHIP FUND
PKS BUS SV FELLOWS & SCHOLS
(133-9472) 2.00

TOTAL PARKSIDE 689,541.00

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MISCELLANEOUS 1,610.00
RESEARCH 99,393.00
STUDENT AID 588,538.00
GIFTS, GRANTS AND CONTRACTS  
JULY 12, 1985

UNIVERSITY OF WISCONSIN - RIVER FALLS

EXTENSION AND PUBLIC SERVICE

1. UW RIVER FALLS FOUNDATION  
   RIVER FALLS, WI  
   PRODUCTION AND DISTRIBUTION OF VIDEO TAPES  
   FOR SPECIAL RECRUITMENT  
   RVF AGRIC DEAN-Col OF AGR DN-Col AGR (133-0632) 2,000.00

INSTRUCTION

1. AFFILIATED STATE ARTS AGENCIES  
   OF THE UPPER MIDWEST  
   MINNEAPOLIS, MN  
   PRIME CONTRACTOR WITH NEA  
   COMMISSION OF COMPOSER WHOSE WORK PREMIERED  
   IN ANNUAL FINE ARTS CONCERT FESTIVAL  
   FOR THE PERIOD 04-01-85 THROUGH 05-31-85  
   RVF ART&SC MUSIC (144-0676) 458.00

2. U S INFORMATION AGENCY  
   WASHINGTON, DC  
   EXPANDING PARTNER RELATIONSHIP WITH  
   CHUNG-ANG UNIVERSITY IN SEOUL  
   FOR THE PERIOD 04-01-85 THROUGH 10-01-85  
   AWARD # IA-21820-19-G  
   RVF G E A VICE CHANCELLOR VICE CHANC (144-0681) 1,770.00

3. WALKER ART CENTER  
   MINNEAPOLIS, MN  
   CONTRIBUTION FOR MUSIC ENSEMBLE  
   RVF ART&SC MUSIC (133-0710) 450.00

RESEARCH

1. NATIONAL SCIENCE FOUNDATION  
   WASHINGTON, DC  
   ACQUISITION OF UV DETECTOR AND DIGITAL POLARIMETER  
   FOR THE PERIOD 05-15-85 THROUGH 10-31-86  
   AWARD # CHE-8500493  
   RVF ART&SC CHEMISTRY (144-0727) 18,511.00

STUDENT AID

1. MINNESOTA MINING & MANUFACTURING, INC.  
   ST. PAUL, MN  
   SCHOLARSHIPS TO QUALIFIED STUDENTS IN CHEMISTRY  
   RVF ST AST MISC OTHER (133-0654) 2,800.00

2. MINNESOTA MINING & MANUFACTURING, INC.  
   ST. PAUL, MN  
   SCHOLARSHIPS TO QUALIFIED STUDENTS IN PHYSICS  
   RVF ST AST MISC OTHER (133-0655) 1,200.00

TOTAL RIVER FALLS 27,189.00

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EXTENSION AND PUBLIC SERVICE 2,000.00
INSTRUCTION 2,678.00
RESEARCH 18,511.00
STUDENT AID 4,000.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - STOUT

GIFT-IN-KIND

1. BETTY MICHEELS
LAKE SAN MARCOS, CA
GIFT OF BLACK BODICE, 1900
STO H ECON APPAREL, TEX&DES

2. MARY EAGON
MENOMONIE, WI
GIFT OF HALF SCALE DRESS FORM
STO H ECON APPAREL, TEX&DES

3. ROBERT OLSON
RICHFIELD, MN
GIFT OF MANNEQUIN - 1900 AND SEWING MACHINE - 1920
STO H ECON APPAREL, TEX&DES

4. ANNE ROCKTEACHER
EAGLE RIVER, WI
GIFT OF ASSORTED FABRIC SWATCHES, SAMPLES AND INFORMATION.
STO H ECON APPAREL, TEX&DES

5. LORNA LENGFELD
OMAHA, NEBRASKA
GIFT OF 2 GARMENTS (PHILIPPINES)
STO H ECON APPAREL, TEX&DES

6. MRS. JOAN BISSON
BOYCEVILLE, WI
GIFT OF FORMAL WEDDING DRESS, WHITE WITH EMBROIDERY AND PEARLS.
STO H ECON APPAREL, TEX&DES

7. BENJAMIN DENT AND CO. LTD.
LONDON, ENGLAND
GIFT OF ISSUE OF "INTERNATIONAL COLOUR AUTHORITY"
STO H ECON APPAREL, TEX&DES

8. PHOENIX PRODUCTS CO.
MILWAUKEE, WI
GIFT OF WOLVERINE 18" TWO-COLOR FLEXIGRAPHIC PRESS
STO I&TECH GRAPHIC COMMUNIC GRAPHIC C

9. CONTROL DATA CORP.
MINNEAPOLIS, MN
GIFT OF 15 COMPUTER TERMINALS
STO I&TECH ENERGY & TRANSP ENRGY&TRAN

10. WORK EVALUATION SYSTEMS TECHNOLOGY (WEST)
HUNTINGTON BEACH, CA
GIFT OF WEST 7 - BUS BENCH--SIMULATED WORK DEMAND & PHYSICAL CAPACITIES TEST; COMPREHENSIVE WEIGHT SYSTEM; AND TOOL SORT CARDS & CASSETTE.
STO EDUC STO VOC REH INST SVRI ADMIN

11. BYERS CORPORATION
OKLAHOMA CITY, OK
GIFT OF MICRO MODIFIER MODEL 4000 IMAGE MODIFICATION SYSTEM AND TRAINING MATERIALS, VIDEOTAPE
STO I&TECH GRAPHIC COMMUNIC GRAPHIC C
UNIVERSITY OF WISCONSIN - STOUT

GIFT-IN-KIND

12. GHI SYSTEMS, INC.
   SAN PEDRO, CA
   GIFT OF COMPUTER SOFTWARE FOR THE TRIAD II SYSTEM
   IN THE PACKAGING LAB.
   STO I&TECH MATLS & PROC'S MAT & PROC

13. JOHNSON-BIGLER COMPANY, INC.
    SHAKOPEE, MN
    GIFT OF ASSORTMENT OF APPROXIMATELY 100 CONCRETE
    MASONRY UNITS USED IN THE CONSTRUCTION INDUSTRY
    STO I&TECH GRAPHIC COMMUNIC GRAPHIC C

14. STOUT UNIVERSITY FOUNDATION
    MENOMONIE, WI
    GIFT OF APPLE IIE COMPUTER, TWO DISK DRIVES,
    PANASONIC PRINTER, PRINTER CARD AND CABLE, APPLE
    MONITOR
    STO H ECON HABITATNL RESRCS

15. FAIRCHILD BOOKS AND VISUALS
    NEW YORK, NY
    GIFT OF PUBLICATION TITLED "THE CHANGING AMERICAN
    WOMAN -- WWD -- 200 YEARS OF AMERICAN FASHION
    STO H ECON APPAREL, TEX&DES

16. ZWICKER KNITTING MILLS
    APPLETON, WI
    GIFT OF ASSORTED ENDS OF DISCONTINUED YARNS ON
    PART CONES FOR TRAINING PURPOSES
    STO H ECON APPAREL, TEX&DES

17. IBM
    ROCHESTER, MN
    GIFT OF A NUMBER OF ELECTRONICS ITEMS USED TO
    MONITOR PACKAGING SHOCK AND VIBRATION
    STO I&TECH MATLS & PROC'S PACKG PROG

TOTAL STOUT  00

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UNIVERSITY OF WISCONSIN - WHITewater

INSTRUCTION

1. WI BRD OF VOC TECH & ADULT EDUCATION
   MADISON, WI
   Prime Contractor with DEC
   One Week In-Service Workshop For Educators
   Of Disabled Persons
   For The Period 04-01-85 Through 06-30-85
   Award # Letter DTD 3/26/85
   WTW BUS&EC BUSINESS EDUC  BUS EDUC  (144-0024)  $5,000.00

MISCELLANEOUS

1. MULTIPLE DONORS
   Medical Services For UW Whitewater Students
   Award # Check DTD 4/8/85
   WTW GE A STU AFF & COUNSL ST HLTH SV (133-0107)  $300.00

STUDENT AID

1. WALKER MANUFACTURING COMPANY
   RACINE, WI
   Unrestricted Student Aid
   Award # Letter DTD 5/22/85
   WTW ST AST MISCELLANEOUS (133-0270)  $700.00

TOTAL WHITewater

Summary

INSTRUCTION  $5,000.00
MISCELLANEOUS  $300.00
STUDENT AID  $700.00

TOTAL  $6,000.00
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985

UNIVERSITY OF WISCONSIN - CENTER SYSTEM

GIFT-IN-KIND

1. WCCL EDUCATION FUND
   MILWAUKEE, WI
   THE STANIWEATHER COMPANY
   NEW YORK, NY
   ONE-YEAR GIFT SUBSCRIPTION - HUMAN LIFE REVIEW
   BOOK - REINCARNATION: A NEW HORIZON IN SCIENCE,
   RELIGION AND SOCIETY.
   CNS WAUK ADMINISTRATION

2. PROFESSOR JOHN MUENDEL
   WAUKESHA, WI
   PROFESSOR DAVID HUNDHAUSEN
   WAUKESHA, WI
   GIFT SUBSCRIPTION TO THE PERIODICAL - THE SCIENCES
   BOOKS & PERIODICALS
   CNS WAUK ADMINISTRATION

MISCELLANEOUS

1. PRIVATE INDUSTRY COUNCIL OF ROCK COUNTY, INC
   JANESVILLE, WI
   PRIME CONTRACTOR WITH LABOR
   COLLEGEBOUND 1985
   FOR THE PERIOD 06-01-85 THROUGH 08-30-85
   AWARD # 85-48-00
   CNS ROCK STUDENT AFFAIRS ADMIN (144-W747) 9,378.00

2. WISCONSIN HUMANITIES COMMITTEE
   MADISON, WI
   PRIME CONTRACTOR WITH NEH
   THE GREAT LAKES REGION: A VITAL CULTURAL
   HERITAGE
   FOR THE PERIOD 06-01-85 THROUGH 12-31-85
   AWARD # FY85-15 (H)
   CNS MANIT LIBERAL STUDIES LIBERAL ST (144-W789) 350.00

3. MULTIPLE DONORS
   DEFRAY COST OF PURCHASE OF COMPUTER EQUIPMENT
   CNS WAUK ADMINISTRATION (133-J206) 1,000.00

STUDENT AID

1. EDUCATION, DEPT OF
   WASHINGTON, DC
   COLLEGE WORK STUDY PROGRAM
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # P008614553
   CNS (145-7186) 205,542.00

2. EDUCATION, DEPT OF
   WASHINGTON, DC
   IN SUPPORT OF THE FOLLOWING:
UNIVERSITY OF WISCONSIN - CENTER SYSTEM

STUDENT AID

1) SUPPLEMENTAL EDUCATIONAL OPPORTUNITY
GRANTS PROGRAM (INITIAL GRANTS)
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # P008634553
CNS (146-7021) 167,680.00

2) SUPPLEMENTAL EDUCATIONAL OPPORTUNITY
GRANTS PROGRAM (CONTINUING GRANTS)
FOR THE PERIOD 07-01-85 THROUGH 06-30-86
AWARD # P008644553
CNS (146-7022) 65,166.00

3. EDUCATION, DEPT OF
WASHINGTON, DC
PELL GRANT PROGRAM
(REDUCTION IN GRANT FUNDS)
FOR THE PERIOD 07-01-83 THROUGH 06-30-84
AT A TOTAL COST OF $1,887,408.00
AWARD # P008402949, MOD. 5
CNS (148-R084) 13,708.00

4. EDUCATION, DEPT OF
WASHINGTON, DC
PELL GRANT PROGRAM - ADMINISTRATIVE ALLOWANCE
FOR THE PERIOD 07-01-83 THROUGH 06-30-84
AT A TOTAL COST OF $11,280.00
AWARD # ROO8402949, MOD. 1
CNS CNS AD STUDENT SERVICES ST FIN AID (144-U429) 1,525.00

TOTAL CENTER SYSTEM 436,933.00

MISCELLANEOUS 10,728.00
STUDENT AID 426,205.00

PAGE 75
GIFTS, GRANTS AND CONTRACTS
JULY 12, 1985
EXTENSION AND PUBLIC SERVICE

1. DOD, ARMY
   HANDVER, NH
   STUDY OF ICE EFFECTS ON STRUCTURES
   FOR THE PERIOD 07-01-85 THROUGH 06-30-86
   AWARD # DACA89-B5-K-0015
   EXT G EXT UW - MADISON ENGINEERING (144-W782) 10,960.00

2. WI DEPT OF ADMINISTRATION
   MADISON, WI
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   REVIEW OF RADIOACTIVE WASTE DISPOSAL DOCUMENTS
   FOR THE PERIOD 03-01-85 THROUGH 12-31-85
   AWARD # S5030
   EXT COOP E COM,N RSRC&EC DV WIS G&N H (144-W754) 25,383.00

3. WI DEPT OF NATURAL RESOURCES
   MADISON, WI
   PRIME CONTRACTOR WITH EPA
   AGRICULTURAL BEST MANAGEMENT PRACTICES TO CONTROL
   GROUNDWATER CONTAMINATION
   FOR THE PERIOD 05-30-85 THROUGH 09-30-85
   AWARD # NRE-94967
   EXT COOP E UW MSN-AG & L SC ENV RSRC U (144-W674) 26,708.75

4. WISCONSIN HUMANITIES COMMITTEE
   MADISON, WI
   PRIME CONTRACTOR WITH NEH
   SHERLOCK HOLMES: SCIENCE AND LITERATURE
   FOR THE PERIOD 06-29-85 THROUGH 08-30-85
   AWARD # FY85-19 (L)
   EXT G EXT UW - MADISON LIBERAL ST (144-W769) 1,000.00

5. SMALL BUSINESS ADMIN
   MADISON, WI
   SMALL BUSINESS DEVELOPMENT CENTER
   FOR THE PERIOD 01-01-85 THROUGH 12-31-85
   AWARD # SB-2M-00053-05-01
   EXT COOP E COM,N RSRC&EC DV S B D C (144-W248) 1,326,000.00

6. SMALL BUSINESS ADMIN
   WASHINGTON, DC
   MANAGEMENT COUNSELING AND TECHNICAL ASSISTANCE
   TO SMALL BUSINESS CONCERNS
   FOR THE PERIOD 01-01-85 THROUGH 12-31-85
   AWARD # SBA-9182-MA-85
   EXT COOP E COM,N RSRC&EC DV S B D C (144-W455) 21,200.00

7. MULTIPLE DONORS
   PROFESSIONAL IMPROVEMENT OF THE RECREATION
   RESOURCE CENTER STAFF
   EXT COOP E UW MSN-AG & L SC RECR RSRC (133-D074) 965.00

8. MULTIPLE DONORS
   SHOOTS 'N ROOTS URBAN GARDEN PROGRAM
   EXT COOP E CO&AREA OFC-S E (133-F085) 175.00
9. SAN DIEGO STATE UNIVERSITY FOUNDATION
   SAN DIEGO, CA
   ELECTRONIC TEXT APPLICATIONS FOR HIGHER EDUCATION
   FOR THE PERIOD 11-01-83 THRU 08-31-85. REDUCED
   PER DONOR AGREEMENT.
   AWARD # AGREEMENT #1808/20104
   EXT TELCOM WHA TELEVISION (133-G863) 23,000.00-

10. EASTERN EDUCATIONAL TELEVISION NETWORK, INC.
    BOSTON, MA
    "POPCORN PARADISE" SCOPE OF WORK
    REDUCTION TO $107,243 LEVEL
    EXT TELCOM WHA TELEVISION (133-H057) 70,051.00-

11. NATIONAL PUBLIC RADIO
    WASHINGTON, DC
    PRODUCTION OF "SIDRAN ON RECORD - A 13 WEEK
    SERIES"
    EXT TELCOM WHA RADIO (133-J064) 1,000.00

12. EDUCATIONAL COMMUNICATIONS BOARD
    MADISON, WI
    STUDY OF AUDIO AND DATA TRANSMISSION OPTIONS VIA
    THE SUBSIDIARY CARRIER AUTHORIZATION (SCA)
    CHANNEL(S)
    AWARD # P.O. #F85020
    EXT TELCOM DIRECTOR'S OFFIC TELECM LAB (133-J121) 4,500.00

13. EDUCATIONAL COMMUNICATIONS BOARD
    MADISON, WI
    PRODUCTION OF SERIES ENTITLED "SCIENCE,
    TECHNOLOGY AND SOCIETY"
    EXT TELCOM WHA TELEVISION (133-J205) 182,000.00

14. WHILAND CO. S.A.
    BUENOS AIRES, ARGENTINA
    ENGLISH VERSION OF 51 EPISODES OF "ASTROBOY"
    SERIES
    EXT TELCOM WHA TELEVISION (133-J226) 17,850.00

15. FORAGE EVALUATION PROGRAM
    EXT COOP E UW MSN-AG & L SC AGRONOMY (133-8832)
    300.00  MULTIPLE DONORS
    2,400.00  DEKALB-PFIZER GENETICS
               DEKALB, IL
               2,700.00

TOTAL EXTENSION 1,527,390.75

EXTENSION AND PUBLIC SERVICE 1,527,390.75
# GIFTS, GRANTS AND CONTRACTS SUMMARY

**ITEMS PROCESSED 05-21-85 THROUGH 06-21-85**

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**TOTAL JUL 1985**  
1,529,391 2,627,052 384,431 504,798 58,340 14,846,889 6,984,713 -O- 26,935,613

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**GRAND TOTAL**  
1,529,391 2,627,052 384,431 504,798 58,340 14,846,889 6,984,713 -O- 26,935,613

**TOTAL JUL 1984**  
2,487,163 1,793,441 418,899 708,391 158,548 17,460,754 2,357,519 2.550 25,387,263

**PREVIOUSLY REPORTED**  
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**GRAND TOTAL**  
2,487,163 1,793,441 418,899 708,391 158,548 17,460,754 2,357,519 2.550 25,387,263

**FEDERAL TOTAL JUL 1985**  
1,411,252 2,500,150 -O- 74,399 58,340 11,333,345 6,346,518 -O- 21,724,004

**PREVIOUSLY REPORTED**  
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**FEDERAL GRAND TOTAL**  
1,411,252 2,500,150 -O- 74,399 58,340 11,333,345 6,346,518 -O- 21,724,004

**FEDERAL TOTAL JUL 1984**  
9,085 1,720,369 -O- 38,592 104,048 13,464,655 2,210,830 -O- 17,547,579

**PREVIOUSLY REPORTED**  
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**FEDERAL GRAND TOTAL**  
9,085 1,720,369 -O- 38,592 104,048 13,464,655 2,210,830 -O- 17,547,579
BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

President - Ben R. Lawton
Vice President - Robert P. Knowles

STANDING COMMITTEES

Executive Committee
Ben R. Lawton (Chairman)
Ruth C. Clusen
Ody J. Fish
Camilla R. Hanson
Frank H. Heckrodt
Robert P. Knowles
Laurence A. Weinstein

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Russell J. O’Harrow
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REGENT LIAISON REPRESENTATION

Higher Educational Aids Board
(by gubernatorial appointment)
Edith N. Finlayson
Frank L. Nikolay
Laurence A. Weinstein

Council of Trustees

UW Hospital and Clinics
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Frank H. Heckrodt (Vice Chairman)
Obert J. Vattendahl
Laurence A. Weinstein

Wisconsin Board, Vocational,
Technical and Adult Education
President or Vice President
of Board of Regents

EXHIBIT A
TO: The Board of Regents
FROM: Robert M. O'Neil

At the final session this spring of the Assembly Select Committee on the future of the University of Wisconsin System, the Minority Leader asked--somewhat rhetorically--"Where is the UW System going in the next decade?" At the April Regent meeting, similar questions were posed, and perhaps less rhetorically. During the ensuing discussion I promised before my departure to prepare a response. To temper the rashness of that commitment I did caution that I would not offer a grand design, a long-range plan, or a future scenario for the University System, but only that I would attempt to outline some of the elements which deserved consideration during the imminent transition.

Legislators and Regents are not alone in seeking such guidance. Media comments reflect a parallel interest. "Regents Should Take Look at the System" declared a Stevens Point Journal editorial headline in April. A similar essay in the Oshkosh Northwestern bore the headline "Time to Plan System's Future." A few days ago the Green Bay Press-Gazette asked editorially, "If Wisconsin was a brand new state, and the settlers decided they needed a place to send their children to college, what sort of school would they build?"

In fact, this theme had been sounded four years earlier by a Milwaukee Journal editorial series marking the tenth anniversary of merger. The concluding piece, entitled "Preserving a Great Asset," called upon those within and outside the UW System to shape more decisively the University's future. Through the series ran a call for more focussed and bolder planning, tempered by sensitive recognition of the burdens which revenue shortfalls and other perils created for those who bore the dual responsibility of meeting immediate needs while planning a long term future.

Most recently a similar call has come from the Strategic Development Commission, whose final report urges the creation of a gubernatorial committee to study "possible structural and management improvements in the University of Wisconsin System."
With increasing frequency and from different quarters there comes a recurrent question: "Where is the UW System going?" -- or sometimes, in a less passive form, "Where should the UW System be going?" In fact it seems to me we do have a fairly good answer to such questions. But we have never brought all the relevant information together in a single place, and we have certainly failed to publicize sufficiently the extent to which we have planned for an uncertain future and are thus able to respond to questions about that future. Thus it seemed useful for a departing and fairly close observer to offer some observations which might aid colleagues and successors.

These comments divide into several parts. First, I would describe briefly what the Board of Regents can do, and then what the Board of Regents cannot do (for both legal and practical reasons). Next, I would offer some assumptions or expectations about the future--both for higher education generally, and more particularly for the UW System. Finally, I would note which elements of a long range plan or scenario for the future already exist, and what additional elements or documents one might wish to develop. I hope this order of issues will provide at least a partial answer to recurrent questions about future course and direction.

I. The Board of Regents: What It Can Do

The University of Wisconsin System Board of Regents is a most unusual governing body. It shares with only one other university board in the country--the University of North Carolina Board of Governors--comprehensive responsibility for public postsecondary education in the state. While the UNC Board has broader powers in certain areas, it is limited in others because of the many local boards to which it has delegated certain authority exercised in Wisconsin by the Regents.

In other states the authority is diffused in different ways. There are several statewide boards which have full public university responsibility--Iowa, Georgia, Oregon, Florida and Arizona--but the board is a newer state agency created for coordination rather than the historic university governing board. In many states, of course, each university or group of institutions has a board of its own--whether it be the completely separate model of Michigan and Ohio or the partially aggregated model of Illinois, Minnesota or Indiana. Even in New York, where the State University Trustees have comprehensive authority over 64 campuses, there is a powerful overlay of regulatory authority in the Board of Regents, dating back to the 1780s and recently exercised in collision with both public and private university governing boards. The more one studies the rest of the country, the more one appreciates the special role of Wisconsin's Regents and North Carolina's Board of Governors.
Because of this unique role, the Board of Regents has, for example, final authority on many matters which are elsewhere subject to review by one or more non-university bodies or state agencies. Many powers and duties of the Board of Regents are set forth in Chapter 36, but the manner in which they have been codified may obscure their relative importance. I would identify especially the following powers and functions of the Regents:

--To make appointments to all positions from President, Vice President and Chancellor across the University System (with the exception of civil service appointments reserved to the Department of Employment Relations).

--To shape and implement changes in structure or organization (with the exception of creating or closing any campus, or sub-campus graduate degree granting unit such as a school or college).

--To approve (or disapprove) all degree programs and majors, including academic options.

--To set admission and graduate requirements for both undergraduate and graduate students, resident and nonresident alike.

--To adopt and implement policies on all matters not expressly committed by statute to some other board or unit of state government.

--To make purchases within delegated dollar limits and carry out many other business transactions.

--To allocate state appropriations and student fee income (including reallocation among institutions and programs) within broad limits set by the legislature through the biennial budget bill.

--To seek accreditation for academic programs, and to withdraw programs or institutions from membership in accrediting bodies.

Some of these functions may be so familiar as to make one question the need for their inclusion save in the interest of completeness. Yet a good many universities lack one or more (and some lack all) the kinds of authority which the UW System Board of Regents has long held. In many states, for example, the treasurer or some other official collects the student fee income and/or issues all university paychecks. Often senior appointments, and even more often the creation of new degree programs, are subject to full review by some other body. Even routine purchases or the filling of junior positions must in some states be approved outside the University; apart from the obvious constriction of autonomy, direct and substantial harm to vital university functions of teaching and research can result from the delay and confusion which such requirements cause. It is in respects such as these that the UW System enjoys a measure of self-determination which is unusual and forms an important part of the governmental context.
II. What Can the Board of Regents Not Do?

Obviously the Regents are not a completely autonomous body. They do not enjoy, for example, the status of a "fourth branch of government" which state constitutions confer on the Universities of California, Michigan and others (though the Wisconsin Constitution does mandate creation and existence of a state university). Since the University of Wisconsin System is a creature of statute, and subject to legislative control, the constraints are considerable, and at times intrusive or even disabling. Yet there are several quite distinct elements which limit the ability of the Regents to act. The first, and perhaps most familiar of these constraints, are those imposed by state law.

A. State Governmental Constraints. Current Regents are probably all too familiar with the limitations imposed by state law (or administrative policy or practice) upon their authority. Among them are the following:

--Position controls which, while not statutory, inhibit the growth and development even of federally and privately funded university programs. Although the Regents may and do shift positions between institutions and among programs (or even between funding sources) the authorized position total remains a seriously inhibiting factor, especially during growth of enrollments, funded research, auxiliary programs etc.

--Statutory limits on the use of non-pay plan funds to increase salaries for reasons other than equity and reclassification. While this constraint seems about to be relaxed, it has been a serious and unusual limitation on Regents action. Indeed, this lack of flexibility probably had more to do with the faculty-academic staff salary crisis than did successive noncompetitive appropriations. The Faculty Compensation Study Committee strongly urged its removal, and its demise now seems imminent with enactment of the biennial budget. Yet Regents authority for non-pay plan increases may still be limited to faculty alone, not including academic staff.

Even within the biennial pay plan, there have been additional limitations—for example, that no individual increase may exceed a figure such as 10% even if pay plan funds are available and could otherwise be used to meet a small number of critical salary problems by larger than 10% increases.

--Executive Pay Plan Constraints. The ranges of the Executive Pay Plan in and of themselves pose serious constraints, especially for senior administrators. The problem had been compounded by decisions in two recent biennia to raise the top of the ranges less than the general pay plan increase: as a result persons already at or very near the top of range get increases less than they would receive outside the Executive Pay Plan, and those positions became even less competitive. At the same time, non-Executive Salary
positions (e.g., Deanships) may increase by the full pay plan amount or more; serious asymmetries between the salaries of, let us say, Chancellors and Deans have begun to emerge and will worsen unless the policy is altered.

--Requirement of legislative approval to close a university or center, or to create any academic unit granting graduate degrees. While the occasions to invoke either authority have been relatively few -- and in the case of the closing of the Medford Center legislative approval would have been essential de facto even if not de jure -- a substantial constraint still exists, and creates a greater risk of legislative intrusion in the academic process than would otherwise exist.

--Disincentives for economies and savings through reallocation or program elimination. The disincentives are of two kinds, both of which have been earlier mentioned. One disincentive, of course, has been the inability of the Regents to use funds from retirements or personnel changes to augment the salaries of continuing personnel for the reason explained above. Less creative and less efficient approaches have thus been mandated by default, resulting not only in a noncompetitive salary structure but also in a skewed personnel roster. The other disincentive is more a matter of practice than policy, but no less inhibiting. Substantial funds freed by the closing of the Medford Center in 1981 were completely removed from the University budget, and roughly half the even larger savings brought about by drastic economies at UW-Superior were also removed. These two actions surely diminished the incentive for future economies.

--Appropriation levels and mandated or prohibited expenditures. The authority of the Regents has also been impaired by legislative budget actions. While the lump-sum appropriation does allow substantial leeway, hardly a budget bill passes in which one hand does not take away some of the flexibility which the other has given. Whether it be the mandate to create a School of Veterinary Medicine or a School of Urban Journalism, a prohibition against building a golf course (even with private funds), a ban on fall classes that begin before Labor Day, or reallocation required for some purposes (e.g., groundwater research) and prohibited for others, the process is familiar and does at times significantly inhibit the flexibility and autonomy of the Regents within a theoretically lump-sum appropriation.

B. Nongovernmental Forces Beyond Regents Control. Regent action is also constrained by quite different forces and factors. Indeed, the capacity of any institution of higher learning--or academic community as a whole--to plan its future is profoundly different from that of many other sectors. Consider simply the following deterrents to rational planning:
Student interests and demands change rapidly and substantially in regard to (a) whether to attend college at all; (b) where to attend college; and (c) what to study. Wisconsin has seen all three trends in the past decade, making far more difficult not only overall enrollment projections but detailed program planning and resulting resource and personnel needs. The participation rate within the age cohort illustrates the problem: during the Vietnam War the proportion of persons of college age enrolling in UW System institutions ran close to 29%. When the war ended, that figure dropped to about 26% and since then has increased sharply until it is now close to 30% and may cross that mark next year. Explanation has been quite elusive. We once assumed that peacetime enrollments grew as job prospects worsened, and the data gave some support to that hypothesis. But when the recession abated, enrollments continued to expand, leaving much uncertainty. Many other factors (including the low level of Wisconsin's resident undergraduate fees might play) have skewed student choice. But the simple fact is that we do not know why enrollments have grown in the past, so we can hardly be very confident in our predictions for the future.

Similar uncertainties accompany student choice of institution or of major field. At times particular college or university campuses are described as "hot" and are in high demand. Popularities shift sharply over time—as witness the evolution of Brown University from the least sought of the Ivy League colleges to what may today be the most prized of Eastern admissions. Much the same happens with major fields. In the early 1970s practical or applied disciplines like engineering and business were low in student appeal, while many of the arts and sciences and the more service-oriented professions were high in demand. Then as student outlook changed the fortunes of the disciplines also changed; engineering and business could not handle the sudden resurgence of demand (and still cannot without artificial limits), while many of the arts and sciences, education, social work and other once popular fields have declined just as sharply.

There is, however, some comfort in a cyclical view of the process. We are just beginning to see a revival of student demand for education—partly because of the national attention following A Nation at Risk but more because the birth curve turned around in 1977 and demand for teachers is rapidly returning. Meanwhile job opportunities for dentists, lawyers and other once scarce professionals have softened. One can track the past trends and to a limited extent project the future; but the actual experience is often so different—both in degree and in timing—as to defy rational planning.

Employer demand shifts also thwart planning. The shifts have been most rapid and dramatic in engineering. Within a few years the stated need for engineering graduates of certain kinds fluctuated widely and left not only placement directors and deans but students as well in much confusion. Over such forces, of
course, the academic community has little if any control. Yet engineering schools and the universities which house them are expected to respond, and even to anticipate trends which the employing industries themselves cannot project—for if they could look ahead they would presumably shape more rational personnel policies.

--Graduates' choices of occupations and places to live are also well beyond control of the institutions which confer their degrees. Thus the common lament that "too many of our graduates leave the state" or "leave the profession" finds no solution within the capacity of colleges and universities which may wish to make certain fields or places more attractive to their students, but can do little to alter personal choice and preference.

--Finally, institutions obviously have limited control over their major sources of support, but especially limited with regard to private gifts and bequests and federal grants and contracts. (Even the federal indirect cost recovery rates, for example, are subject to periodic negotiation with the lead government agency, and may vary substantially over time.) Thus, fiscal projections are always imprecise, and reflect the general lack of control over the environment of higher education.

One other set of constraints should be mentioned, especially by one who teaches constitutional law. Both federal and state constitutions impose important limits on governmental actions of all sorts, and bind state universities as fully as other parts of government. Most clearly such individual interests as freedom of expression and equal opportunity are protected, but constitutional law also confers certain procedural safeguards. These protections are clearly the core of the relationship between a state university and those—students, faculty and staff—whom it serves and employs. Little more need be said; I include mention of the constitution in the interests of completeness.

III. Some Assumptions About the Future

With the role of the Board of Regents in perspective, it may be useful to recognize certain assumptions and expectations about the period during which and the context within which planning is anticipated. Let me offer some assumptions—first at the national level, and then a few others peculiar to Wisconsin and its universities.

A. The National Context of Higher Education. In no special order I would identify several trends and factors which will affect planning for the future of American higher education in the balance of this century:

--Enrollments will decline, although somewhat less even than had been originally predicted, and considerably less than the actual decline in the pool of college-age persons. What we have
experienced in Wisconsin (a rising proportion of a shrinking pool actually attending college) is a national phenomenon, and suggests that the raw impact of the population curve will be offset by (a) higher retention rates; (b) higher matriculation rates of traditional students; and (c) greater entry and retention of nontraditional students with more leisure time and higher occupational demands.

--Minority enrollments, once projected to increase and to offset losses elsewhere have declined recently (though the past year has seen a slight upturn in Wisconsin) and not only because of uncertainty about financial aids. Without a major commitment on the part of federal and state governments minority enrollments will continue to decline, although they will remain substantially above the very low levels of the 1960s.

--Student and employer demand for fields like business and engineering will level off in the late 1980s, while demand for education and perhaps other fields that softened in the 1970s will revive. Demand for certain skills, of which computer science is the clearest example, will continue to grow for reasons that are secular and not cyclical. Computer science will increasingly be recognized as a discrete discipline, and not simply as a new means to an established end.

--Federal support for higher education in most areas will stabilize or decline, and the areas of growth will increasingly be targeted to serve non-educational ends (e.g., foreign exchanges in Central America, Defense Department support for certain technologies and the study of certain foreign languages, etc.).

--Federal support for student financial aid will decline, and probably more than the decline in enrollments would warrant. Emphasis will increasingly be placed on loans and work-study, among other self-help sources, with diminishing emphasis on grants and scholarships.

--Private support will grow, unless deterred by major changes in federal and state tax laws, and will provide a mounting share of public as well as private university budgets. Private funds will come in more varied forms--corporate grants and contracts, employer matching funds, challenge grants and the like--as well as in the more traditional gift and bequest forms.

--State legislatures and governments will play an increasingly significant role in the governance of higher education. Just during the past six months, many states have launched inquiries (similar to the Assembly Select Committee in Wisconsin) of areas not scrutinized for some years. Changes in governance are likely to result in some states—often in the form of consolidation or merger of historically separate institutions into systems or supersystems.
B. The Local Context: Factors Affecting Wisconsin Higher Education

--Enrollments at UW System institutions will decline, although less than the population trends would suggest, and at a slower rate than in some neighboring states. The rates of high school completion will remain among the four or five highest in the nation, and the matriculation rate within the age cohort will remain correspondingly far above the national average. Together with lower than average tuition (even assuming students will pay a higher portion of educational costs than in the past) these factors should sustain a relatively high participation rate.

--The basic structure of the UW System will remain the same through the end of the century. No universities will be closed, and the closing of any additional centers could be considered only after rejecting many less drastic alternatives, and with realization of the unique contribution which centers make to the communities which built their facilities and which generously support them.

--A careful analysis of suspected program duplication or overlap will reveal substantially sharper mission differentiation (and thus less duplication) than in most states; historic explanations for the current mission array; and perhaps a few selected areas in which closer collaboration among UW System institutions and with non-UW institutions (independent and VTAE) will further refine the missions and recognize the distinctive contribution of each institution.

--Faculty salaries will continue to be a pressing concern, depending upon the adequacy of pay plan levels in years beyond the current biennium. (As we have stressed during the past two years, "catch up" is something of a misnomer--not only because the academic profession as a whole has sharply lost ground since the 1970s, but also because achieving the mid-point of salary scales within rather modest peer groups does not really make UW System institutions fully competitive with those with whom they compete for outstanding faculty talent. Even the projected UW-Madison full professor salary of $52,000 in 1987 is, for example, nowhere near the level of those major private institutions which are already (in 1985) at $59,000 and expect increases of at least 6-8%. The degree to which a solution has been found will depend in large part on continuing legislative recognition of Regent authority to increase salaries beyond the pay plan for competitive and merit factors.

--The student fee share of total instructional cost has already risen sharply from the historic 25% to the now mandated 30% (for resident undergraduates, effective 1985-86) and is likely to continue to rise to somewhere between 33 and 35%. That figure is substantially higher than Wisconsin's traditional student cost, but much lower than the 40%+ figures of Michigan and Ohio.
--State financial aids will partially but not completely offset the rising costs of college attendance, and will continue to be almost completely need-based. There will be clearer recognition of the need for larger amounts of state financial aid for the neediest students, especially as federal support for such student declines (as I have predicted in the earlier section).

--The resident/non-resident student ratios will remain roughly constant, unless either relations with surrounding states change dramatically or relative costs are sharply altered. (I also assume that the Minnesota-Wisconsin reciprocity will be renewed in 1989 or before, although further efforts may be made to balance more evenly the currently eastbound-heavy traffic and thus reduce new costs to Minnesota.)

--Business-university relations will become increasingly a concern of both industry and higher education, and new structures (research parks in Milwaukee and other parts of the state) will develop.

--Relations between the University System and elementary and secondary education will improve, as the need for teachers increases and university and DPI standards become increasingly rigorous.

--State appropriations in future biennia for purposes other than salary increases will rise gradually, and will likely reflect more specific programs and priorities than in the recent past.

--The roles and responsibilities of academic staff will be more clearly defined, and academic staff will be increasingly accepted in governance and other facets of university life--regardless of whether collective bargaining is authorized for academic staff (a prospect on which I make no prediction).

--Despite the uncapping of the mandatory retirement age (and assuming some imaginative adaptations like those under consideration) the percentage of faculty that are tenured will remain roughly level or stable during the balance of the century. (The most recent personnel actions at the June Regents meeting reduced very slightly the tenured percentage of faculty, not so much by conscious policy as in consequence of other factors.)

--Students will become increasingly concerned about issues both on and off campus--whether the focus be U.S. aid to Nicaragua, South African investments, or the protection of the environment. While Wisconsin campuses were quiet for obvious reasons during the South African investment protests this past spring, such calm will not continue indefinitely.

Speculation about a number of other factors would be tempting, but time and space counsel against going further. Each observer of Wisconsin higher education should fashion his or her own sense of the future, accepting or rejecting the above as may be appropriate.
IV. Elements of A Long-Range Plan

It is often said that the University of Wisconsin System does not have a long-range plan. That charge is technically correct; we do not have a single volume with those precise words on the cover. But it would not be accurate to imply that we lack a clear sense of direction or mission, or of alternative futures. If one judges by substance rather than form, it is clear that the elements of a long-range plan do for the most part exist in current documents and materials—though perhaps they have never been brought together in a single place, and their existence has not been publicized as widely as one might have wished.

What would a long-range plan for a multi-campus state university system include? There would surely be mission statements for each of the institutions. There would be fairly detailed near and long-term enrollment projections. There would be reports on academic programs and reviews of programs. There would undoubtedly be projections of physical facility needs and estimates of future personnel needs. These and more the UW System already has in place—even though, to be sure, they do not emerge regularly in a single package entitled "long-range plan." But the emphasis should be on substance or content rather than form or title, and by that measure what does exist should give reasonable guidance and direction to the university system's future.

The elements now in place would include the following:

A. Enrollment projections, by institution, through 1996-97. These projections are initially developed by the UW System Office of Analysis Services and Information Systems, and for the near future are discussed with each of the Chancellors before bringing to the Regents each February a disaggregated projection for the coming year. Enrollment projections also play a vital role in each biennial budget request, and are a frequent subject of negotiation with the Legislative Fiscal Bureau and the Department of Administration.

B. A Ten-Year Capital/Physical Facilities Plan, developed during the past year and presented to the State Division of Facilities Management in connection with the biennial capital budget request.

C. Review of academic programs—both existing and proposed—on a regular cycle. The list of entitlements to plan new degree programs (presented to the Regent Education Committee for its review and reaction) does represent an important element of long-range planning.

D. Specific studies in response to legislative mandates—most notably the "Scope Report" of the mid-1970s and the November 30, 1979 report which led to the review of the structure of UW-Superior.
and the UW Centers in the months that followed. (The 1979 report also contains important planning guidelines, related chiefly but not limited to substantial enrollment declines.)

E. A University Relations Plan developed by Vice President Bornstein shortly after he assumed office, reviewed by the System Policy Group, the Administrative Staff and the constituent areas. This plan outlines roles and responsibilities of University Relations for the coming years, including but not limited to legislative, media, corporate, foundation and federal relations.

F. Mission Statements for each of the UW System institutions, adopted by the Board of Regents in 1973, several times amended since then, and periodically reassessed to ensure continued accuracy as enrollments, facilities and program mix change.

G. Occasional studies of individual academic disciplines or professional fields—Medical Technology in 1975-76; Nursing and Nursing Education from 1979-81; Educational Administration in 1980-81; and Business in 1985-86. The resulting reports (and a comprehensive report anticipated from the study of Business during the coming year) not only identify current areas of strength and weakness, but also outline courses and strategies for the future.

H. Interstate Studies of Potentially Duplicative Programs—most notably the study conducted during the past year among the Wisconsin and Minnesota "border institutions" and reported to the two Governors in February, which identified several fields of possible overlap to which the border institutions have been directed to give special attention and to report back later this year.

I. Reports on library plans and needs from the Library Planning Study Committee, the Alternative Library Materials Study group and continued through annual reports to the Board of Regents from the Council of University of Wisconsin Libraries, etc.

J. Projections and recommendations for future action in such varied areas as minority and disadvantaged student recruitment and retention; relations with business and industry; relations with elementary and secondary education; interinstitutional consortia, and many others.

I hope these comments may be helpful in answering the elusive question "where are we—or where should we be—going as a university system?" Any honest observer would have to preface a reply with a high degree of uncertainty. We could not say with clarity or precision where we are going unless we knew what students would want to study, who employers would need to hire, what talents society would demand, or what resources the state would commit for higher education. We do have some expectations about each of these factors, but lack the degree of certainty—or the measure of control over such forces—necessary to a definitive view of the future. The best we can do is to make some intelligent estimates and then develop realistic plans. That I hope we have done, and will continue to do.
If anyone had asked me in January 1980 what I hoped to accomplish in the next five years, my expectations would have been quite eclectic. I would have wanted to make faculty salaries more competitive and remove the artificial limit on sabbatical leaves, and I would also have wanted to see interstate highway signs marking each of our institutions—just to mention several quite varied goals. I would have wanted to bring many more women into administration and develop closer ties with state government. These and other goals have been substantially realized. But at the outset I would also have expressed my hope to increase measurably the number of minorities throughout the University System. In that and some other respects not all I would have envisioned has come to pass. But with a predictable mixture of satisfactions and disappointments (many more of the former than the latter) I would now offer to the Board a reasonably complete account of how I have spent my time since you asked me to assume the Presidency. I hope this report will not only be helpful in retrospection, but may also be useful to my successor and his or her colleagues in looking ahead—though I have tried to avoid any implication that the past should shape or constrain the future.

I. Personnel and Administrative Structure

It is not easy to know where to begin. But since I believe people comprise the essential measure of any organization, I would begin with senior administrative appointments. It has been a special source of pride to recommend to you the appointment of four Vice Presidents and one Acting Vice President (including the first woman to hold that position). I have also recommended seven persons for appointment as Chancellor, including the first woman at that level. For our two year Centers, I have recommended six Deans, including the second, third and fourth women in that position. Within the System administration, we have added many new colleagues as others retired or departed, and at levels below Vice President we have also made some significant gains (for example—the first Hispanic to serve as Associate Vice President and the first woman Assistant Vice President.) I should not dwell unduly on the demography of the colleagues with whom I have been blessed, since so doing might imply a lack of enthusiasm for their ability, their energy and their deep commitment to the UW System. Those dimensions and others have been critical in enabling us to accomplish what we have accomplished these past five years. In fact, it should be clear that everything which follows is in every sense a collegial enterprise, and it is for that reason as well as others that I start with this area of achievement.
Mention of senior appointments leads quite naturally to a review of organization and structure. Clearly the most significant change we have made is the creation (and then the staffing) of a new Office of University Relations. The need for such an office was evident five years ago—not because the functions were not ably performed by the persons then responsible for university relations but because top-level coordination was lacking. A vice presidency was authorized early in 1980 but not until four years later did we find in Ronald Bornstein the right person to fill it. He promptly assumed office and recruited two assistant vice presidents (Judith Ward of the Legislative Fiscal Bureau and David Martin of the Kimberly-Clark Corporation) to join Harvey Breuscher just in time for the biennial legislative budget session. The value of this office and those who staff it is evident in the outcome of the legislative session just concluded.

A second area of major emphasis has, of course, been the office of Academic Affairs. Five years ago, Senior Vice President Donald Smith held two major posts and the need for a person solely concerned with academic policies had become apparent. One of the happiest circumstances of those early years was the recruitment of Katharine Lyall as Vice President for Academic Affairs and her ability not only to assume office (in January, 1982) but to bring together with great dispatch and sensitivity the diverse responsibilities of Academic Affairs. She soon recruited Associate Vice President Vernon Lattin to join Associate Vice President Dallas Peterson in a group to which several other able professional staff members were eventually added to replace those who retired or departed. (A later section will describe more fully some of the accomplishments of the Office of Academic Affairs.)

A third organizational change came in the area of University Personnel Relations. Associate Vice President Wallace Lemon had filled several roles since merger, with less time for the pursuit of his primary interest in personnel administration and policy. Several other changes now made possible the separation of Personnel Relations under Mr. Lemon's direction. All systemwide personnel functions have now been coordinated within his purview.

Finally, and most recently, there has been the change in physical planning and development. The retirement of Vice President Robert Winter was followed immediately by the addition of Director of State Facilities Management Paul Brown to the System Administration as well as the clarification of a title which had since merger been somewhat ambiguous. The primary mission of that office has now been more precisely identified—though it still includes several functions (risk management, intercollegiate athletics and purchasing, for example) which might eventually be housed elsewhere.
To conclude this section, I should, of course, recognize several other colleagues who joined us without structural change. The retirement of Reuben Lorenz as our senior financial officer brought the recruitment of Floyd Case from North Dakota to a vice presidential office with continuing responsibilities. Shortly after my arrival, Judith Temby succeeded to the Board Secretaryship vacated some months earlier by the death of Joseph Holt. And, within the Office of the President, I have had the great pleasure of finding such able and devoted people as Lucille Copas and Cassandra Erdmann already there (later joined by Patricia Johnson) and the good fortune to recruit Daniel Strouse as Executive Assistant and Jane Coleman as Special Assistant to join Marian Swoboda (who also holds other responsibilities noted in a later section). It is these people, with whom I have worked on a daily basis (and at times almost around the clock) who have made this office an effective and responsive one, both internally and outside and at the same time a pleasant and humane one. To them, I feel a particular debt of gratitude and appreciation.

II. Faculty and Academic Staff Welfare

Surely first consideration should be given to the faculty and academic staff salary "catch-up" approved just a few weeks ago by the Legislature. Together with a satisfactory biennial pay plan, this step ensures a substantially more competitive faculty and academic staff salary structure. A condition which was critical at the time I came and worsened dramatically in the last biennium has at last been mitigated by strong support from the Governor, extraordinary effort by the Board of Regents and many others within the University System, and of course clear recognition by legislative leaders of an urgent need. The salary level of UW System faculty should by 1987 be at least reasonably competitive with those of peer institutions.

Only slightly less significant has been the complete removal last year of a burdensome restriction on faculty sabbatical leave. (Since the mid-70s, the limit had been 1 1/2% of all tenured faculty; that figure was raised slightly in 1983 to 3% and was then completely removed the following year.) If one believes, as I do, that a sabbatical leave is not simply a fringe benefit but a vital opportunity for renewal and advanced study, then a broadening of sabbatical opportunities reflects a welcome appreciation of the faculty contribution.

As part of the same legislative action, the faculty and academic staff retirement formula was much improved last year. While the precise monetary value of the formula change depends upon individual circumstances, there is no question that Wisconsin's annuity level is now considerably more competitive. Here again, appreciation must go to the Governor and legislative leadership for recognizing a critical need in an area which affects not simply the pocketbook but morale and self-esteem as well.
One other part of the 1984 package was the making permanent of an early retirement plan which had been instituted the previous year on an experimental basis. While the permanent option is narrower than the one-year window, it does establish a state commitment to early retirement as a career alternative—a recognition for which several faculty organizations, the System administration and Regents worked most effectively together, and in which we can take shared satisfaction.

Mention of faculty groups occasions another comment. Since the spring of 1980 I have attended every delegate assembly of The Association of University of Wisconsin Faculties (TAUWF) by invitation and by my own preference. While some colleagues have questioned the wisdom and even the propriety of attending these events, I have always felt I should respond to an invitation from any group of faculty colleagues, whether or not I shared their views on every issue. In addition, I have attended and addressed many gatherings of AAUP and United Faculty, and have met with the faculty senate at each of our institutions at least once during my travels, and some much more often.

In addition to the special faculty group meetings I have also met almost monthly (during the academic year) with the Faculty Representatives, and have worked with that group on many matters of mutual interest and concern. Beyond the subjects we have resolved (most of which are separately treated here) I would mention one unfulfilled hope—that of a Code of Faculty Rights and Responsibilities, on which I sense substantial agreement in principle but not yet consensus on execution and content. Perhaps my successor will share such a hope and may be able to work with the next groups of Faculty Representatives to establish such a charter (which curiously we lack, and which I believe would be of much value on issues both internal and external).

Finally, I would note under this heading the careful study of academic staff carried out by Vice President Katharine Lyall during 1983 and 1984. The study was originally mandated by the Board of Regents and reflected a longstanding concern among members of the academic staff. In five separate stages, it assessed the current condition of academic staff at all UW institutions and brought forth more than thirty specific recommendations for change and improvement. Partial implementation has already occurred. During the past year, for example, the elected academic staff representatives from each institution met regularly with Vice President Lyall. The first academic staff professional development awards were made this spring for use next year. Many of the other changes and improvements are under study at the institutional level and progress toward their implementation will be reported to the Board.
One further comment might be in order before leaving faculty and academic staff welfare. During much of the past five years, the prospect of collective bargaining has often been imminent. I have personally and strongly opposed enabling legislation—not because I believe faculty should be denied self government but because bargaining seems to me a drastic last resort to be made available only when other means of resolving differences have been tried and found wanting. On four occasions since I assumed office, legislators have considered and rejected the case in favor of bargaining legislation. While I do not doubt the issue will recur after I leave, I strongly hope that my successor and the Board of Regents will place upon its proponents the burden of proof which I have several times described to the Board.

III. Academic Programs and Policies

The achievements of the Office of Academic Affairs during the past five years can be recounted only briefly here, though any report of this type would be incomplete without such a section. I take special pleasure in the renewed emphasis which Vice President Lyall and her colleagues, especially Associate Vice President Lattin, have given to the status of the humanities (the subject of a major report to the Regents) and the condition of general education at a time of growing emphasis on professional studies. Whatever may be the trend nationally, it is clear that the UW System has sustained its deep historic commitment to liberal studies and general education.

Other major achievements under Academic Affairs would surely include an increasingly rigorous review of existing degree programs; the regular reporting to the Regents of entitlements that have been granted to plan new degree programs; a study with our Minnesota counterparts of possible duplication or overlap among the border institutions; continued emphasis on basic skills instruction and developmental education (including two major conferences); the first bringing together of the directors of fine arts programs and of international and area studies programs across the UW System; and most recently the launching of a major assessment of the field of business as the first in a series of discipline-specific reviews.

Several other developments fit best under this rubric. As I had hoped at the time of my first report to the Board, we have now launched the Regents Professor/Lecturer program with the visit of Dr. Madeleine Albright this past spring; she lectured in Madison and visited several other UW institutions under Regents' program auspices. Also well underway is the School of Veterinary Medicine, the one completely new academic unit created during the past five years. (One might report with some satisfaction that when it became clear that Veterinary Medicine would be a reality...
in Wisconsin, we determined to carry out the legislative mandate with highest quality, and today have a professional program second to few in the country. Happily the Governor and Legislature made good on their commitment to fund the growth of this School without jeopardizing needed programs in other parts of the University.) I also take special pride in the growth this past year of Systemwide consciousness about the study of nuclear war and its alternatives. With the active and eloquent support of Regent President Lawton and UW-Madison Professor Dick Ringler, aided by a conference last fall at UW-Green Bay, the systemwide approach to the study of nuclear war has placed Wisconsin's universities at the forefront of responding to a vital international challenge.

Much more could be said about Academic Affairs, but the balance should be left to Vice President Lyall and others. I would conclude this section with the simple observation that every university administrator should be first and foremost an academic administrator—even though some of us have clearer and more immediate responsibility for academic programs and policies than do others. The effectiveness of an administration seems to me closely correlated with its ability to resolve academic policy issues humanely and sensitively. By that measure I would hope these years in Wisconsin would be reasonably well judged.

IV. Fiscal and Budgetary Matters

Any account of the past five years must certainly take note of the extraordinary quality of biennial budget presentations. Associate Vice President Gene Arnn, Assistant Vice President Glenn Jensen and their colleagues deserve exceptional credit for an exemplary process and a most credible presentation—though the results alone in large part speak eloquently for the effort.

In addition to the biennial budget requests, we have taken several other notable steps. In 1980, we instituted regular annual budget conferences with each Chancellor prior to the preparation of operating budgets for the following year. After the first of these sets of conferences we decided the "slate" of institutional debits and credits accumulated during the 1970s should as far as possible be settled, with the result that enrollment increases in some parts of the System were recognized and funded through permanent increments that had been withheld during earlier and less certain years.

We have also responded to a number of legislative mandates—most notably those concerning reduction of costs and support levels at UW-Superior and the UW Centers. The resulting economies at both institutions served to bring comparative costs more closely into line with other parts of the UW System.
On the positive side of state governmental relations, we have worked with the Department of Administration toward a substantial delegation of authority in matters of purchasing and procurement. The several years of experience under the newly delegated authority suggest that the deregulation of the early 1980s has been beneficial both for state government and for the university. It stands in sharp contrast to the increasingly regulated atmosphere in which many of our state university counterparts operate in other states.

Perhaps most significant of our budgetary initiatives was the instructional funding study carried out under the chairmanship of Chancellor Edward Penson in 1981-82. This study determined that support level for Wisconsin's University System (a) had sharply declined over time and (b) had failed to keep pace with state university support levels in other states. By any measure, the UW System was severely underfunded. The release of the study provided the groundwork and the context for the 1983-85 biennial budget request. It also helped shape the Governor's recommendations and the Legislature's actions--both designed to reverse a decade-long decline in support levels for UW System operating budgets. Special attention was given to support for libraries, instructional equipment and materials, and other vital ingredients in the teaching and learning process. Relative support levels have improved and that improvement should continue in the biennium ahead.

Obviously not all has been achieved in regard to operating budget support that one might have hoped five years ago. And some of the progress that has occurred comes from less than ideal sources--a shift from GPR funding to student fees in the last biennium, and an extraordinary reliance in the coming biennium on auxiliary fee balances (with the certainty of an even larger student fee increase in the following biennium). But the steps that have been approved in both biennia, and the results which are already apparent in libraries, laboratories and instructional support, do offer much reassurance even as they remind us of other acute unfunded needs in the teaching mission of the UW System.

V. University of Wisconsin-Extension

No part of the UW System has undergone greater change these past five years than has UW-Extension. The first phase consisted of response to three legislative mandates regarding fee policies, reprogramming and personnel policies. Major internal changes were made soon thereafter, consolidating what had been five imprecisely structured divisions into three cohesive units, each headed by a dean and/or director.

Major changes in personnel occurred at that time. The terminal illness of Chancellor Jean Evans brought Patrick Boyle into a succession of increasingly responsible roles as Acting Vice
Chancellor, Acting Chancellor and eventually in 1983 as permanent Chancellor. Retirement soon brought searches for new deans; Charles Koval replaced Gale VandeBerg in Cooperative Extension and John Schmidt succeeded Harold Montross in General Extension. Ronald Bornstein's appointment as University Relations Vice President necessitated also a search for new leadership in broadcasting and telecommunications. Thus, within a space of three years, a completely new senior leadership group headed a substantially streamlined University Extension.

The third stage has, of course, been that of integration. Beginning with Regent actions in April 1982, the leadership of Extension and the campuses worked cooperatively to effect a major integration of functions designed to enhance the delivery of instruction and service across the state. The new design becomes effective with the 1985-86 fiscal year and represents the most significant change in University Extension since the creation of a separate administrative unit in the mid-1960s.

For all the major steps, the leadership of Extension (and close cooperation by campus leaders) deserves major credit. Regent interest (particularly the continuing guidance of Regent Russell O'Harrow) has also been an indispensable factor. The Wisconsin Idea remains healthy and vital—indeed, better prepared for the challenges of the next century by reason of the adaptations.

VI. Students and Student Groups

A special benefit of being President these past five years has been the opportunity to meet with students and student groups. Each year, we sought nominations for and chose a recipient of the President's Award for Student Government. We have collaborated on several United Council programs including seminars, workshops, and the like, some of which enhanced our legislative relations for mutual benefit. Most recently during the 1985-87 biennial budget session there has been unusually close liaison on legislative initiatives. Collaboration has taken other forms as well; special attention has focused on particular topics of mutual interest—most recently the Task Force on Alcohol Abuse and Education, in which United Council and campus student governments have shown a keen interest and have participated most actively.

Special mention should be made of our continuing (if not wholly successful) efforts to expand the number of minority and disadvantaged students throughout the UW System. With a systemwide committee reviewing goals and prospects under the able guidance of Associate Vice President Vernon Lattin, we have at least reshaped our expectations in terms more realistically tied to high school minority population and college-going pools. These new goals provided substantial basis for the request for additional state
support in 1985-87. While the amount forthcoming in response to that request falls far short of the stated need, it will at least permit some very modest expansion of minority and disadvantaged recruitment and support programs. The critical test of these efforts will come during the next biennium. Only substantially increased funding (federal as well as state) will enable UW System institutions to maintain--much less increase--their minority and disadvantaged enrollments and thus convey a realistic reflection of American society.

VII. Relations with Schools; Elementary and Secondary Education

A major emphasis of the past five years has been a rapprochement with pre-collegiate education. Spurred in large part by DPI Superintendent (and Regent) Herbert Grover, we have taken many new initiatives since 1983. Periodic reports to the Board have stressed the most notable of our new commitments: greatly expanded summer institute and workshop offerings for students, faculty, and other school personnel (reported annually in a compendium of systemwide programs); a succinct statement of those competencies which we expect of college-bound students (distributed annually to parents of all eighth grade students); a reassessment of admission requirements and standards (resulting in higher standards at many UW institutions); junior-level placement tests offered to secondary school students wishing an early assessment of their college prospects; an education council established and a liaison officer designated at each UW institution; and more systematic reports back to feeder high schools on the progress and experience of their graduates at UW campuses.

Central to our new emphasis is a reassessment of teacher preparation. A task force chaired by former Executive Vice President and UW-Madison Education Professor Joseph Kauffman gave central emphasis to teacher preparation and in-service experience. The report identified common needs and deficiencies and proposed substantial changes--most notably an increase in the liberal arts component of teacher preparation and a continuing responsibility for the guidance of new teachers once in the school. The report was distributed last fall to all UW System institutions. Responses are being gathered and will soon be reported to the Board.

VIII. Relations with Wisconsin Business and Industry

Equal in importance and emphasis to the pre-collegiate education initiative has been a new relationship with Wisconsin business and industry. An invitation to address the Wisconsin Manufacturers and Commerce Association in the fall of 1981 opened new channels. Serving as a charter member (and later Vice President) of Competitive Wisconsin, Inc., gave additional insight on a neglected dimension of university relations. What soon became
apparent was the need for more and better information about talents and resources available from UW institutions. A committee chaired by UW-Stout Chancellor Robert Swanson soon began the compilation process and by fall, 1982, produced for WMC a detailed inventory of such services—both in printed and in machine readable form. A second edition appeared in 1984 and the data collection for a third and expanded edition is now underway.

Other dimensions of the university/industry relationship should be noted. Each UW System institution has designated an industry liaison officer whose name appears in the inventory discussed above. Corporate sponsorship of research (chiefly but not exclusively at UW-Madison) has more than doubled since the early 1980s. New consortia have developed and existing consortia have expanded in many technical fields. In addition to UW-Madison's University-Industry Research Office, new industry-oriented centers or institutes—for example, UW-Milwaukee's Office of Industry, Research & Technology Transfer and Product Innovation Centers at UW-Whitewater, UW-Stout, and UW-Parkside—have enhanced the ties between campus and corporation.

Finally, there has been the continuing and troublesome question of faculty outside activities and the reporting and disclosure thereof. Continuing efforts at revision of Chapter 8 of the Administrative Code (the section which covers such matters) have foundered at the other end of State Street. Several revisions and subsequent Regent action have not yet brought about the necessary legislative approval of a substantially more responsive regulation. Among the major frustrations and unresolved issues of the past five years, this one would remain near the top of any list.

IX. Libraries

The status of research and university libraries has been a personal commitment during my years in Wisconsin. While chairing the Research Libraries Committee of the Association of American Universities and the Financial Resource Development Committee of the Center for Research Libraries, I have also served on a presidential advisory committee of OCLC and a small group planning the future of the Council on Library Resources. Yet the most significant developments have been those closest to home. The Library Planning Study Committee had submitted its final report just as I arrived in Wisconsin. Acceptance of that report brought into being the Council of University of Wisconsin Libraries—a group which includes several teaching faculty members along with the UW System Library Directors and which meets regularly for the shaping of policy and sharing of information. The Council reports annually to the Board of Regents Education Committee. It has also guided such critical policy matters as the Alternative Library Materials Storage Project—a study which yielded a far more optimistic view of future space needs than had been expected.
Most significant has, of course, been our gradual but undaunted progress toward inevitable library automation. Systematic review of needs (with the aid of several consultants) produced a statement which has in turn generated specific proposals; a choice has been made and a single compatible and comprehensive automation system is ready for statewide implementation. The UW System may thus become the first such statewide system with a fully compatible library automation network in place. That step and others of critical importance would not have been possible without the expertise and administrative guidance of Associate Vice President Elwin Cammack and his colleagues who have helped to apply technology to library and information needs.

X. Status of Women

The Regent Task Force on the Status of Women was completing its work in the spring of 1980. Implementation of its thirty-two recommendations began soon thereafter. Under the guidance of Marian Swoboda and a Systemwide Advisory Council on the Status of Women (with which I met on numerous occasions), the complex and sensitive process of assessment began in 1981 and continued for roughly four years. Certain of the Task Force recommendations could be accepted at once--either by administrative action or in a few cases by Regent approval. Other proposals were modified by the Council and forwarded to institutions for further review. Campus reaction came to the Council and recommendations were further refined before eventual adoption and implementation. A process which might easily have foundered was thus carried to fulfillment--placing the UW System well ahead in understanding of and response to the special needs of university women. The UW System Office of Women and Equal Opportunity Programs has played a major part in the process. Its monthly publication reminds readers across the state of gains made by university women of all ranks and responsibilities. The office also regularly notes goals unmet and needs unfulfilled. In various ways, it has heightened our sensitivity to this timely set of issues.

Two other achievements deserve recognition. A program of administrative internships for women from across the UW System has brought to Madison and the System Administration many people with both interest and promise who might not otherwise have had the chance to sample such roles. The cost of the program has been relatively modest, and the benefits seem substantial.

Finally, mention should be made of the policies on sexual harassment which responded several years ago both to a growing concern across the System and the manifest inadequacy of existing policies. Systemwide substantive policies initiated the process, which was then completed through institutional-level (and inevitably but appropriately varied) procedures for enforcement of the standard guidelines. Experience during the past three years suggests that our response was both timely and appropriate.
XI. Physical Facilities

The biennium just beginning will see as much construction of physical facilities as at any time in some years. The capital budget recently approved by the Legislature includes many major projects and--while it does not meet all the facility needs reviewed by the Regents last December--permits major steps forward. The retirement of Vice President Robert Winter reminded us all of his exceptional leadership in the design, construction, and maintenance of an extraordinary group of University facilities. Each biennium, in fact, has brought a realistic and comprehensive capital budget request and a high degree of success in response to that request through the Building Commission and the Legislature. Supplemental appropriations made possible a much more sophisticated energy monitoring system (with substantial economies); gradual adaptation of facilities once inaccessible to the handicapped; and major improvement in the environmental adaptation of power plants and other environmentally significant facilities.

Capital and facility planning has not been confined to the past and present. In 1984-85, Vice President Winter's staff prepared a ten-year capital plan which describes the near and long-term facility needs of UW institutions in a way that should guide future administrations and boards. The ten year capital plan becomes a model for future design; including as it does enrollment projections and program prospects, it fits future facility needs into a context that is human and personal as well as physical.

Finally, the highway signs--a significant if minor victory--surely fit under this heading. Travelers on Wisconsin interstate roads had, in the past, been confused--not only by inability to locate a place called Parkside or Stout, but by other geographical quirks as well. Through continuing effort within state government, we now have at least one interstate highway sign in each direction for every UW campus (and, where necessary, arrows also guide the traveler from the off-ramp to the campus environs).

XII. A Personal Perspective

In earlier reports I have given more space than seems appropriate here to personal matters. Perhaps in this final report it would suffice to mention a few commitments from which I have derived special satisfaction. (In fact many of them have already been mentioned in earlier sections, and for that reason no lengthy enumeration is needed here.)

When I assumed office I promised that I would plan to visit each university once each semester or twice yearly, and with the exception of several campuses to which I could not get this spring
or summer I have kept that promise. These visits have not been simply for the purpose of touching base or keeping a schedule, but have almost invariably served some other purpose as well—whether it be an athletic contest or a concert or play (many of which Karen and the children have also enjoyed); touring a new facility or one under construction; meeting with a faculty senate, student government group or other campus body; or even on a few occasions teaching classes outside Madison. I have never failed to marvel at the diversity and the strength of our institutions, or the hospitality shown to a visitor whose mission may not always have been clear but who always felt welcome.

Mention of teaching brings to mind a second area of major interest. Each of the ten semesters since I assumed office full time I have taught one course at the UW-Madison Law School—mostly constitutional law, but also two semesters of commercial law and once of advanced contract law. I also managed to share for one semester the responsibility for an education law course at UW-Milwaukee, believing that contact both with students and with colleagues outside Madison would be helpful, despite the logistic difficulties.

Since a university professor is scholar as well as teacher, I have tried to venture occasionally into the law journals and, with the aid of several very able research assistants have published a number of articles (on which I have previously reported to you). But I have also discovered that the pressures of full time administration leave far less time for scholarship than one might expect.

Membership in several higher education groups has been especially rewarding. I have served on the boards of the Carnegie Foundation for the Advancement of Teaching, the Johnson Foundation, the Council on Postsecondary Accreditation, the Educational Testing Service and most recently the Association of American Colleges. In Wisconsin, in addition to serving on the Competitive Wisconsin Board, I have very much enjoyed serving on the Law-Media Relations Committee of the State Bar and chairing a study group considering whether Wisconsin would benefit from having a news council. (We concluded that such a move might be beneficial, but the National News Council expired before our recommendations went further.)

My visits around the state have not been limited to our own campuses, but have also brought contact with many organizations and civic clubs—UW-Madison Alumni Founders Days being the largest in number, but followed by various others including the infamous meeting with the Wisconsin Broadcasters Association in Appleton, which resulted in the loss of my luggage and other belongings during the summer of 1983. Any enumeration would be much too long for such a summary report; suffice it to say that there are few parts of the state I have not visited, and none I have visited where I have not made new friends for myself and (I hope) for the University as well.
I leave for the last three very special ties. The first has been with two Governors with whom I have been privileged not only to serve but to know as friends and colleagues. It would be hard to imagine two people in prominent public roles as different as Lee Dreyfus and Tony Earl. But I have come to admire both, and during both administrations to feel that the university was well governed and protected by the state's chief executive. In addition, both have been quite personal friends; it is no accident that the first phone call I received following my appointment at Virginia was from Tony Earl and the first letter which awaited me on my return to Madison was from Lee Dreyfus.

A second very special tie has been with the Regents to whom those two Governors entrusted the welfare of the University System. Every one of those 30 Regents to whom I have reported has given encouragement, support and insight in generous measure. The several Regent Presidents--Bert Grover, Joyce Erdman, Dave Beckwith and Ben Lawton--hold a special place for it is with them that I have worked on a basis that was at least daily (and often much more) during some challenging times. I have often said to colleagues in other universities and states that I could not imagine a better board than the ones with which I have been blessed, and a final report should certainly convey that sentiment to those who have been thus described elsewhere.

Finally, an experience of this sort is necessarily a partnership. For that reason I acknowledge Karen's role last and most of all. She has, of course, quite literally written the book on that subject and currently chairs the Spouses' Council of the National Association of State Universities and Land-Grant Colleges. But she has been much more than simply partner of the President; she has given guidance, inspiration and reassurance in essential measure throughout these five and a half years. As we have enjoyed greatly the experience together in Wisconsin, so we look forward to the experience that awaits us in Virginia also as a collegial and familial one.
RECOMMENDATION I
Focus: Position Statement

The committee recommends that the Board of Regents adopt the following statement:

The abuse of alcohol on the campuses of the university system is a matter of significant concern because it interferes with the education of students and the job performance of faculty and staff. The most effective ways to deal with issues of alcohol abuse in the university community are educational and supportive in nature, designed to effect attitudinal and behavioral change.
RECOMMENDATION II
Focus: The Administrative Code

The committee recommends that Administrative Code UWS 18.06(13) be changed. It currently reads:

(13) LIQUOR. The use or possession of intoxicating liquors, or fermented malt beverages with an alcoholic content of more than 5% by weight, is prohibited on all university lands, except in faculty and staff housing, in student housing units specifically designated by the chief administrative officer, and at suitable times under decorous conditions in conference, meeting or dining facilities, subject to statutory age regulations.

The recommended change would read:

(13) ALCOHOL BEVERAGES. (a) The use or possession of alcohol beverages (fermented malt beverages and intoxicating liquors containing 0.5% or more of alcohol by volume) is prohibited on all university premises, except in faculty and staff housing, and as permitted by the chief administrative officer, subject to statutory age restrictions. The chief administrative officer may generally permit the use or possession of alcohol beverages by promulgating institutional regulations as provided under sec. UWS 18.09, or in specific instances by written permission.

(b) No person may procure, sell, dispense or give away alcohol beverages to any person contrary to the provisions of ch. 125, Stats.

DISCUSSION POINTS:

(1) Since most beers have an alcoholic content of less than 5% by weight, control of this beverage is completely exempt from regulation under the current rule.

(2) The proposed wording allows for the best expression of shared governance in that it requires each chancellor, or the executive dean, to decide with his/her own constituency the conditions of use and possession of alcohol beverages and to file these conditions with the Secretary of the Board of Regents.

(3) This change speaks directly to the ability of staff and security to deal with the behavioral consequences of alcohol abuse on the campus and addresses the current laissez-faire attitude of some faculty and staff about the use, misuse and abuse of alcohol in the work setting.

(4) The amended provision would permit a campus to regulate the time, place and manner for use or possession of all alcohol beverages, including beer, and would authorize the use of disciplinary procedures to enforce published institutional rules and relevant state law.

(5) The revised wording makes the regulation self-defining and all-inclusive, in having all pertinent information in the same code, and is consistent with state statutes and federal regulations.

(6) The current administrative code has no provision which directly permits a campus to take disciplinary action against those who procure, sell or dispense alcohol on university property in violation of state statute.
RECOMMENDATION V
Focus: Alcohol Marketing and Promotion

The committee recommends that the Board of Regents endorse the Guidelines for Alcohol Beverage Marketing on College/University Campuses, developed by the Inter-Association Task Force on Alcohol (Appendix B), and urge the chancellors and the executive dean of the centers to use or even to strengthen them as a basis for developing campus policy. It is further recommended that campuses review such policies annually for the purpose of continual examination of the relationship that exists between the university and the alcohol beverage industry.

DISCUSSION POINTS:

(1) Advertising for alcohol beverages helps to establish attitudes and contributes to the environment within which consumption takes place.

(2) A change in the drinking age will not affect the intensity of advertising aimed at the student audience. The college market, where lifetime habits are established, will always be a targeted area. An industry spokesperson emphasized this point.

(3) Decisions must be made regarding criteria for acceptance of monetary support from the alcohol beverage industry, as well as means for alternative funding when such criteria are not met.

(4) Campus officials should work to discourage marketing practices of off-campus establishments which promote excessive consumption of alcohol (happy hours, ladies nights, all you can drink for a set price, etc.).

(5) The problems which university officials have with alcohol beverage campus representatives should be addressed.

(6) Campus newspapers should be made aware that, in accepting certain types of advertising for alcohol beverages, they may be encouraging attitudes and behaviors which can lead to the abuse of alcohol.
APPENDIX B

GUIDELINES FOR ALCOHOL BEVERAGE MARKETING
ON COLLEGE/UNIVERSITY CAMPUSES

The Inter-Association Task Force on Alcohol Issues formed last Spring to encourage alcohol education programming in higher education has developed new guidelines to help colleges and universities which permit alcohol beverage marketing on campus. The guidelines are intended to assure that such practices are conducted in an appropriate and responsible manner.

The college marketing practices of some alcohol beverage industry groups have become an issue of considerable concern to many student affairs professionals. Members of the Inter-Association Task Force representing the American College Personnel Association (ACPA), the Association of College and University Housing Officers International (ACUHO-I), the National Association of Student Personnel Administrators (NASPA) and BACCHUS were asked to address this issue and make recommendations concerning a policy position which each association might take.

It was the consensus of the Task Force to recommend that the following marketing guidelines be adopted by each association in a position statement to be widely distributed to their membership for use in formulating individual institutional policy.

1. Alcohol beverage marketing programs specifically targeted for students and/or held on campus should conform to the code of student conduct of the institution and should avoid demeaning sexual or discriminatory portrayal of individuals.

2. Promotion of beverage alcohol should not encourage any form of alcohol abuse nor should it place emphasis on quantity and frequency of use.

3. Beverage alcohol (such as kegs or cases of beer) should not be provided as free awards to individual students or campus organizations.

4. No uncontrolled sampling as part of campus marketing programs should be permitted and no sampling, or other promotional activities, should include "drinking contests."

5. Where controlled sampling is allowed by law and institutional policy, it should be limited as to time and quantity. Principles of good hosting should be observed including availability of alternative beverages, food and planned programs. The consumption of beer, wine and distilled spirits should not be the sole purpose of any promotional activity.

6. Promotional activities should not be associated with otherwise existing campus events or programs without the prior knowledge and consent of appropriate institutional officials.

7. Display or availability of promotional materials should be determined in consultation with appropriate institutional officials.

8. Informational marketing programs should have educational value and subscribe to the philosophy of responsible and legal use of the products represented.
9. Beverage alcohol marketers should support campus alcohol awareness programs that encourage informed and responsible decisions about the use or non-use of beer, wine, and distilled spirits.

10. If permitted, beverage alcohol advertising on campus or in institutional media, including that which promotes events as well as product advertising, should not portray drinking as a solution to personal or academic problems of students or as necessary to social, sexual or academic success.

11. Advertising and other promotional campus activities should not associate beverage alcohol consumption with the performance of tasks that require skilled reactions such as the operation of motor vehicles or machinery.

12. Local off-campus promotional activities, primarily directed to students, should be developed with the previous knowledge of appropriate institutional officials.

It was further recommended that each association call upon its members who permit alcohol beverage promotions on campus to disallow such activities by alcohol beverage marketers who do not agree to abide by these guidelines.
### TABLE 1
UNIVERSITY OF WISCONSIN SYSTEM
PROPOSED 1985-86 ACADEMIC FEE/TUITION* SCHEDULE
FOR FULL ACADEMIC YEAR

<table>
<thead>
<tr>
<th></th>
<th>Proposed 1985-86 Fee/Tuition Schedule</th>
<th>Effects of Fee Policy in Absence of Auxiliary Reserve Revenue**</th>
<th>Difference Between Proposed Schedule and Fee Policy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1984-85 Estimated Fees/ Cost Per</td>
<td>1985-86 % of Cost</td>
<td>1984-85 Estimated Fees/ Cost Per</td>
</tr>
<tr>
<td></td>
<td>Tuition</td>
<td>Student</td>
<td>Tuition</td>
</tr>
<tr>
<td><strong>Doctoral Cluster</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Resident Students</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>$1,150</td>
<td>$4,323</td>
<td>$1,255</td>
</tr>
<tr>
<td>Graduate, Incl. Law</td>
<td>1,660</td>
<td>7,650</td>
<td>1,810</td>
</tr>
<tr>
<td>Medical School</td>
<td>5,886</td>
<td>25,290</td>
<td>6,575</td>
</tr>
<tr>
<td>Veterinary Medicine</td>
<td>5,443</td>
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<td>5,824</td>
</tr>
<tr>
<td><strong>Nonresident Students</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>4,062</td>
<td>4,323</td>
<td>4,323</td>
</tr>
<tr>
<td>Graduate, Incl. Law</td>
<td>5,194</td>
<td>7,650</td>
<td>5,659</td>
</tr>
<tr>
<td>Medical School</td>
<td>8,603</td>
<td>25,290</td>
<td>9,610</td>
</tr>
<tr>
<td>Veterinary Medicine</td>
<td>7,955</td>
<td></td>
<td>8,512</td>
</tr>
<tr>
<td><strong>University Cluster</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Resident Students</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>980</td>
<td>3,710</td>
<td>1,077</td>
</tr>
<tr>
<td>Graduate</td>
<td>1,314</td>
<td>6,151</td>
<td>1,455</td>
</tr>
<tr>
<td><strong>Nonresident Students</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>3,462</td>
<td>3,710</td>
<td>3,710</td>
</tr>
<tr>
<td>Graduate</td>
<td>4,111</td>
<td>6,151</td>
<td>4,550</td>
</tr>
<tr>
<td><strong>University Centers</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Resident Students</strong></td>
<td>865</td>
<td>3,525</td>
<td>1,024</td>
</tr>
<tr>
<td><strong>Nonresident Students</strong></td>
<td>3,168</td>
<td>3,525</td>
<td>3,525</td>
</tr>
<tr>
<td><strong>Average Percent Increase</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Overall Percent Increase</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* The academic fee is paid by residents and all other students, and tuition is the additional charge paid by nonresidents except for those who have tuition remissions. Part-time students pay fees on a per credit basis.

** This schedule shows the rates that would be required for resident undergraduate and graduate students if $6,450,000 of auxiliary reserve balances were not available to the academic fee appropriation.
### TABLE 2

**UNIVERSITY OF WISCONSIN SYSTEM**  
**RECOMMENDED 1986 SUMMER SESSION ACADEMIC FEE AND TUITION SCHEDULE**

<table>
<thead>
<tr>
<th></th>
<th>1985 Fees/Tuition</th>
<th>Proposed 1986 Fees/Tuition</th>
<th>Proposed 1986 Schedule in Absence of Auxiliary Reserve Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Doctoral Cluster</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Resident Students</strong></td>
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<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>$288</td>
<td>$312</td>
<td>$330</td>
</tr>
<tr>
<td>Graduate</td>
<td>416</td>
<td>452</td>
<td>472</td>
</tr>
<tr>
<td><strong>Nonresident Students</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>1,014</td>
<td>1,080</td>
<td></td>
</tr>
<tr>
<td>Graduate</td>
<td>1,300</td>
<td>1,416</td>
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</tr>
<tr>
<td><strong>University Cluster</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Resident Students</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>246</td>
<td>270</td>
<td>282</td>
</tr>
<tr>
<td>Graduate</td>
<td>365</td>
<td>405</td>
<td>425</td>
</tr>
<tr>
<td><strong>Nonresident Students</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>864</td>
<td>930</td>
<td></td>
</tr>
<tr>
<td>Graduate</td>
<td>1,140</td>
<td>1,265</td>
<td></td>
</tr>
<tr>
<td><strong>University Centers</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Resident Students</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>216</td>
<td>258</td>
<td>270</td>
</tr>
<tr>
<td><strong>Nonresident Students</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>792</td>
<td>882</td>
<td></td>
</tr>
</tbody>
</table>

*The rates shown represent the fees and tuition paid by a "full time" summer session student. Full-time is defined as one-half the full-time semester load for the academic year. The per credit fee for summer session is equivalent to the semester per credit rate for the previous academic year except for rounding to the nearest dollar.

Segregated fee charges for summer session are established using one-half of the semester rate for the previous academic year as the guideline. The charge per credit and maximum fee are set by the individual campus with review by the Vice President for Business and Finance.*
REPORT OF NONPERSONNEL ACTIONS BY ADMINISTRATIVE OFFICERS


to the

BOARD OF REGENTS

AND INFORMATIONAL ITEMS REPORTED FOR THE REGENT RECORD

12 July 1985

I. CONTRACTS AWARDED.

A. UW-EAU CLAIRE

1. 1984-85 McIntyre Library Remodeling - Automation System (8501-03)
   
   a. All Work
   Hoepner Building Corporation - Eau Claire
      $ 22,860.00

2. 1983-85 Institution Road Maintenance/Road Repair and Resurfacing (South of Roosevelt Avenue) (8504-28)
   
   a. All Work
   Allied Blacktop Corporation - Eau Claire
      $ 18,394.15

B. UW-GREEN BAY

1. 1983-85 Institution Road Maintenance/Roadway Repairs and Maintenance (8503-19)
   
   a. All Work
   Green Bay Asphalt - DePere
      $ 97,440.00

C. UW-MADISON

1. 1983-85 Charter Street Heating Plant Air Quality Improvements (8308-10)
   
   a. All Work
   Fox Construction, Inc. - Madison
      $ 85,300.00

2. 1984 Parking Lot 21 Reconstruction (Medical Sciences Center-1300 University Avenue) (8405-23)
   
   a. All Work
   Madison Crushing & Excavating - Madison
      $ 45,830.00

3. 1983-85 Camp Randall Memorial Stadium Communication Center Roof Repair/Replacement (8406-23)
   
   a. All Work
   Fobes Roofing Company, Inc. - Lodi
      $ 42,400.00
C. UW-MADISON (cont.)

4. 1983-85 University Research Park - Phase I Development (8409-08)
   a. Site Preparation, Grading Street & Utility Work
      Terra Engineering - Construction Corporation - Madison $251,544.00
   b. Landscape
      The Bruce Company - Middleton $130,030.00
   c. Electrical
      Robert J. Nickles, Inc. - Madison $8,242.00
      TOTAL CONTRACT AWARDS: $389,816.00

5. 1985 Hay Storage Buildings (2) - Lancaster Experimental Farm (8501-02)
   a. All Work
      Cleary Building Corporation - Verona $19,982.00

6. 1983-85 Institution Road Maintenance/Ashland Experimental Farm (8503-12)
   a. All Work
      Roffers Construction Company, Inc. - Ashland $38,600.00

7. 1985 Camp Randall Stadium Field Lighting System (8504-16)
   a. All Work
      Hill's Wiring, Inc. - Baraboo $70,845.00

D. UW-MILWAUKEE

1. 1981-83 Two Building Roof Replacements and Masonry Repairs (Kenilworth Building/Fine Arts Center Connector) (8212-28)
   a. All Work
      M. M. Schranz Roofing, Inc. - Milwaukee $63,952.00

   a. All Work
      Mork Construction Company, Inc. - Wauwatosa $29,683.00

E. UW-PARKSIDE

1. 1984 Tallent Hall Parking Lot Repair and Resurfacing (8405-28)
   a. All Work
      Paving Mix and Construction Company, Inc. - Oak Creek $61,895.00
F. UW-PLATTEVILLE

1. 1983-85 Swine and Feed Centers Renovation (Pioneer Prairie Farm) (8405-29)
   a. Heating, Ventilating & A/C
      Collins-Hying, Inc. - Dodgeville $ 22,900.00

G. UW-STOUT

1. 1981-83 Graphics/Photography Facilities (8202-33)
   a. General
      Hoeppner Building Corporation - Eau Claire $1,256,764.00
   b. Plumbing
      Halverson Brothers, Inc. - Menomonie 225,000.00
   c. Heating, Ventilation & A/C
      Hovland Sheet Metal, Inc. - Eau Claire 593,610.00
   d. Electrical
      E-Con, Inc. - Wisconsin Rapids 296,000.00
   e. Elevator
      Larson Elevator Company, Inc. - Eau Claire 33,989.00
   f. Cabinets
      Jerry's Cabinets & Supplies - Green Bay 191,789.00

TOTAL CONTRACT AWARDS: $2,597,152.00

H. UW-WHITEWATER

1. 1985 Residence Halls Window Replacement (8502-10)
   a. All Work
      Dehling-Voigt, Inc. - Newburg $ 167,446.00

II. CONTRACT CHANGE ORDERS IN EXCESS OF $30,000.

A. UW-GREEN BAY

1. 1983-85 Primary Electrical Distribution System Repairs (8402-45)
   a. Change Order E-1: Not-to-exceed ADD $ 70,091.00

B. UW-STEVENS POINT

1. 1981-83 Learning Resources Center Addition (8202-32)
   a. Change Order GC-12: ADD $ 124,802.66
III. REPORT OF ACTIONS TAKEN (MEMOS OF AGREEMENT).

A. The lease between the UW Foundation and UW-Madison for its Continuing Legal Education Program has been signed by the Interim Vice President for Physical Planning and Development. The term of the lease is July 1, 1985 through June 30, 1986, with an option for an additional year. The first-year cost is $23,327 ($9.00/SF for 2,453 feet of office space; $2.50/SF for 500 feet of storage space). The second-year rate, if the option is exercised, would increase to $24,554 ($9.50/$2.50, respectively).

B. A right-of-way grant to Wisconsin Bell, Inc., for a 10-foot easement on the UW-Madison's Charmany Farm has been signed by the Vice Chancellor for Administration. The easement will be used in the future to provide telephone service to the northwest portion of Charmany Farm as it is developed.

C. The Wisconsin Conservation Corp has approved a grant to UW-Stevens Point for conservation efforts at the Central Wisconsin Environmental Station and the Schmeeckle Reserve. The period of the agreement is July 1, 1985 to July 4, 1986, with the total amount awarded being $56,970. The conservation activities include the construction of two log cabin sleeping lodges at the Environmental Station, groundwater monitoring and testing in the Schmeeckle Reserve, the repair of nature trails, timber stand improvements, wetlands habitat improvements, wildlife openings, and prairie development and restoration. Dr. Richard Wilke, Director of the Central Wisconsin Environmental Station, is the designated representative from the University of Wisconsin-Stevens Point.

D. The UW-Madison's lease of 2,500 SF of space at 1601 North Sherman Avenue has been renewed for the period July 1, 1985 to June 30, 1986, with a one-year renewal option. The monthly rate of $1,048 represents a $40 per month increase. The space houses the Waisman Center's Habilitation Services Program.

E. The UW-Madison's lease of 1,200 SF of microcomputer storage space at 1009 Jonathon Drive has been amended by incorporating an additional 540 SF, effective June 15, 1985 through the end of the original lease (June 30, 1986, with a one-year renewal option). The rate of $2.50/SF is unchanged and increases the annual rent by $1,350 to $4,350. The additional space is needed due to an underestimation of the size of the computers' shipping containers resulting in an original request for space being less than was needed.

F. An agreement between the Ecumenical Religious Center Governing Board and UW-Eau Claire leasing to the university an area approximately 8' x 158' ("a long, narrow space east of the edge of the ERC blacktop surface parking lot.") has been signed by the Assistant Chancellor for Administrative Services. In return for use of this area, the University agrees to provide on-going minor maintenance to the ERC lot, to stripe the lot annually and, in the winter, provide for timely snow removal during the course of regular University plowing operations. The agreement is for a minimum 5-year period. At the end of that period, either party could terminate the lease by giving a 1-year notice.
III. REPORT OF ACTIONS TAKEN (MEMOS OF AGREEMENT) (cont.).

G. A memorandum of understanding between the University of Wisconsin Foundation and the Board of Regents relating to a joint request to the City of Madison to vacate a portion of Murray Street (from 71.5 feet north of Regent Street to the southern boundary of the railroad right-of-way) has been signed by UW-Madison's Vice Chancellor for Administration. The University has, over the past several years, acquired all of the property to the west side of Murray Street (north of Regent Street) to the southern portion of the railroad right-of-way. University Foundation acquisition of the former railroad property on the east side of Murray Street has created this joint interest in the Murray Street vacation. In order to proceed jointly to petition for the street vacation, the agreement is needed which establishes the conditions under which the private drive created by the vacation would be managed.

H. The renewal option for UW-Extension's lease of 602 State Street (The Towers) for administrative offices has been exercised, covering the period July 1, 1985 to June 30, 1986, at a rental rate of $6,750 per month.

I. The renewal agreement between the Board of Regents and Mr. John Shanklin relating to the Arboretum Security Residence has been signed by the Vice Chancellor for Administration and covers the period August 1, 1985 through July 31, 1986. In lieu of rent, Mr. Shanklin will perform specified security/caretaker duties as detailed in the agreement.

J. A renewal of a "Permit for Use of University Land," which provides for limited use of University parking area by Mr. William O'Brien during the days of 1985 home football games, has been executed by the UW-Madison Vice Chancellor for Administration. The purpose of the agreement is to alleviate concerns about Mr. O'Brien's business patrons interfering with the free flow of pedestrian and vehicular traffic on Monroe Street before and after football games.

Under authority granted by the Board of Regents, the UW-Madison Chancellor has approved the razing of a building located at 927 West Dayton Street. It is vacant, is in poor condition, and has minimal insurance value; and renovation is not justified.

K. UW-Extension's lease of space at 3817 Mineral Point Road for offices for the Geological and Natural History Survey has been amended to provide for certain plumbing, electrical, and cabinetry work to be done in the premises. The cost of $29,340 will be paid in a lump sum after July 1, 1985, with the amendment resulting in no changes in the terms or conditions of the lease approved by the Board on February 8, 1985.

M. A lease covering 3,880 SF of space at 2715 Marshall Court has been executed to accommodate the needs of UW-Madison's Administrative Data Processing between now and the time they are scheduled to occupy the new Computer Sciences Unit III facility, to be constructed during the next 2 years. The lease term is June 1, 1985 (or date of occupancy) through May 31, 1987, with an option to renew for a period of 9 months from June 1, 1987 and a period of 1 year from March 1, 1988 at an annual rate of $38,400 (first year) and $39,936 (second year). If the renewal options are exercised, the rate for the first 9 months will be $31,105 and $43,195 for the second 1-year period. The lease also includes provisions for installation of cable ($1,500) and minor remodeling ($1,000) by the lessor, with payments for actual costs to be made in a lump sum from Administrative Data Processing funds.
III. REPORT OF ACTIONS TAKEN (MEMOS OF AGREEMENT) (cont.).

N. Memoranda of Agreement between the Wisconsin Rural Rehabilitation Corporation and the University of Wisconsin - Oshkosh College of Nursing have been executed by the Assistant Secretary of the Board. These agreements provide 10 Nursing scholarships and 2 Nurse Practitioner scholarships for young men and women from Wisconsin farm families with financial need and provides $283 each fall semester in 1985-86 and $284 each spring semester in 1986 (undergraduate and graduate). This program of financial support was initiated in August 1974.

O. The following agreements between UW-Superior and the indicated individuals and organizations have been signed by the Chancellor on behalf of the Board:

(1) United Cerebral Palsy: Office space in Rooms 115 and 116 Hawkes Hall; June 15, 1985 to June 14, 1986; $1,134 annually.

(2) Lutheran Social Services; Community counseling facility in Rooms 101, 102, 104, 106, 107, 108, 109, 110, hallway, and stairwell Hawkes Hall; April 15, 1985 to April 30, 1986; $6,244 annually.

(3) Superior Board of Education; Educational program site in Rooms 142 and 145 Hawkes Hall; September 1, 1984 to June 30, 1985; $960 annually.

(4) Health Care Clinic; Health care facility in Rooms 130-139 and 143 Hawkes Hall; September 1, 1984 to August 14, 1985; $4,614 annually.

(5) Children of America Day Care Center; Day care center facilities in Rooms 11, 12, 19, 19A, 19B, 23 and 32 Sundquist Hall, September 1, 1981 and renewable annually by mutual agreement.

(6) Dr. Ronald Warcholak; Podiatric evaluation and related services at the UW-Superior Sports Medicine Clinic, from January 7, 1985. If the service is continued for the next academic school year (1985-86), the parties shall mutually establish a fee schedule, if such is determined to be necessary.

(7) Superior Memorial Hospital; Physical therapy evaluation and related services for UW-Superior students referred by a legally recognized medical practitioner in secured space in Sundquist Hall in the Health Service facility or contiguous area from October 17, 1984. If the service is to be provided in the next academic school year (1985-86), the parties shall mutually establish a fee schedule, if such is determined to be necessary.

P. Pursuant to Regent Resolution 3059, dated May 11, 1984, an Agreement between Madison Energy Recovery, Inc., and the Board of Regents of the University of Wisconsin System covering participation by University Hospital and Clinics in a consortium of Madison hospitals for purposes of building and operating a solid waste disposal plant in connection with the Madison United Hospital Laundry, was produced resulting in documents signed by the UW-Madison Vice Chancellor for Administration, which consisted of: Solid Waste Disposal Agreement; Membership Contribution Agreement; Sub-Lease covering occupancy to October 31, 1992; Sub-Lease with terms.
III. REPORT OF ACTIONS TAKEN (MEMOS OF AGREEMENT) (cont.).

Q. UW Press Agreements:

<table>
<thead>
<tr>
<th>TITLE</th>
<th>AUTHOR(S)</th>
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<tbody>
<tr>
<td>&quot;BLACK LABOR AND THE AMERICAN LEGAL SYSTEM: Race, Work, and the Law, Volume 1&quot;</td>
<td>Herbert Hill</td>
</tr>
<tr>
<td>&quot;The Brain Stem of the Rhesus Monkey&quot;</td>
<td>Alvin L. Berman and Ei Terasawa</td>
</tr>
<tr>
<td>&quot;The Book of the Dark: A Study of Finnegans Wake&quot;</td>
<td>John Bishop</td>
</tr>
<tr>
<td>&quot;THE MAKING OF ENGLISH READING AUDIENCES, 1790-1832&quot;</td>
<td>John P. Klancher</td>
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### IV. REPORT OF ACTIONS TAKEN BY THE STATE BUILDING COMMISSION ON 22 JUNE 1985, AFFECTING THE UNIVERSITY OF WISCONSIN SYSTEM.

<table>
<thead>
<tr>
<th>UNIVERSITY</th>
<th>PROJECT</th>
<th>ACTION</th>
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<tbody>
<tr>
<td>1. UW-EAU CLAIRE</td>
<td>Requests authority to increase the budget for the 1984 Residence Halls Solid Waste Compactor Installation project, by $10,000, for a revised total project cost of $241,000.</td>
<td>APPROVED.</td>
</tr>
<tr>
<td>2. UW-GREEN BAY</td>
<td>Requests authority to plan, bid, and construct a 1985 University Commons Utility and Ventilation Improvements project, for an estimated total project cost of $101,000.</td>
<td>APPROVED.</td>
</tr>
</tbody>
</table>
| 3. UW-MADISON    | Requests approval of the Concept & Budget Report; release of an additional $120,000 of State Building Trust Fund - Planning funds; and authority to prepare Final Plans & Specifications, bid, and construct the Phase I portion of the 1983-85 Charter Street Heating Plant Repairs and Modifications project, for an estimated total cost of $2,423,000. The Phase II portion of this project (having to do with Boiler Combustion Air Preheaters), with an estimated cost of $621,000, is to be undertaken after completion of Phase I and the Air Quality Improvements project. The estimated total project cost (Phases I and II) is $3,044,000. | APPROVED. 

Requests allotment of $166,750 of State Building Trust Funds to plan, bid, and construct forty (40) 1983-85 Piping Insulation projects, on the campuses at UW-Madison. | APPROVED. |
| 4. UW-PARKSIDE   | Requests authority to increase the budget for the 1983-85 Greenquist Hall Hotwater Piping Replacement/Energy Conservation Modifications project, by $325,500, for a revised total project cost of $1,725,500. | APPROVED with SBTF-C funds substituted for requested $44,175 SBTF-MPA portion of $325,500 increase. |