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## **Minutes of the regular meeting of the Board of Regents of the University of Wisconsin System: March 6, 1987. 1987**

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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, 1820 Van Hise Hall  
Friday, March 6, 1987  
9:05 a.m.

- President Weinstein presiding -

PRESENT: Regents Clusen, Finlayson, Fish, Flores, Grover, Hanson, Hassett, Heckrodt, Knowles, Lyon, Nikolay, Schenian, Schilling, and Weinstein

ABSENT: Regents Gerrard, Lawton and Vattendahl

It was announced that Regents Gerrard and Vattendahl were unable to attend the meeting due to poor weather conditions.

Upon motion by Regent Schenian, seconded by Regent Finlayson, minutes of the regular meeting of the Board of Regents of the University of Wisconsin System, held on February 6, 1987, were approved as mailed to the members of the board.

✓  
Educational Communications Board - Report to the board w/ structure of the)  
REPORT OF THE PRESIDENT OF THE BOARD

~~Report on UW System Council on Public Broadcasting and Educational Communications Board~~, pp 1-2

Regent Clusen explained that the statute governing the Educational Communications Board, as amended two years ago, created a UW System Council on Public Broadcasting, which consisted of eleven members serving concurrent terms to July 1, 1989: the chairs of the Council on Instructional Telecommunications (Department of Public Instruction), the Council on Public Radio, and the Council on Public Television; the two Board of Regents' representatives on the ECB (Regent Clusen and Vice President Bornstein); two representatives of Friends of WHA-TV; two university radio station representatives; and two representatives of the general public. It had taken some time for all members to be selected and to schedule a first meeting, which was held on March 6, 1987. At that meeting, Regent Clusen was elected chair of the council.

✓  
(Xref Broadcasting - (same))

President Shaw delivered a charge to the council, which was to act in an advisory capacity to the Board of Regents on matters pertaining to public broadcasting. He reminded the council of the board's legal responsibility as broadcast licensee for 12 radio stations and one television station, and he encouraged the council not only to advise but to advocate either on their own initiative or in response to requests.

The council was given an orientation which included an overview of UW System broadcasting, with presentations from representatives of university radio stations at UW-Stevens Point, UW-La Crosse, UW-River Falls and UW-Milwaukee. There were then reports by chairs of advisory councils on their activities, as well as reports about coordination within the UW System and between the UW System and the ECB from Dr. Luke Lamb, director of telecommunications for UW-Extension, and Paul Norton, executive director of the ECB.

In a discussion period which followed, three areas of concern were identified: critical capital equipment replacement needs; preparation of teachers for utilization of telecommunications technologies in instruction; and unrealized potential for utilization of such technologies in the UW System.

The council decided to focus on capital equipment replacement as the primary topic for its next meeting. While budget requests in this area had been presented in many previous years, the need was considered substantial enough to warrant council study and the forwarding of findings to the Board of Regents. The next meeting of the council was to be in September or October 1987. It was to be held at Vilas Hall so that there would be the opportunity to tour WHA radio and television facilities.

Noting that committees of the Educational Communications Board met one month while the full board met the next month, Regent Clusen reported that February had been the month for committee meetings and that the committees were advised of an ECB budget reduction of \$44,500, which was a substantial sum for a small agency. Staff were instructed to spare the programming budget and make the necessary cuts in facilities and personnel.

Two new members joined the board by virtue of the November elections: Representative Richard Grobschmidt, of Milwaukee, replaced Mr. Steven Brist; and the Deputy Secretary of the Department of Administration, Mr. Gerald Whitburn, represented Secretary James Klauser, who replaced the previous secretary.

#### Report of the Vice Chairman, Council of Trustees, UW Hospital and Clinics

Regent Heckrodt reported on the March 5, 1987, meeting at which the council heard a report from Superintendent Derzon that outpatient activity continued to rise, while there was a slight decline in inpatient activity during the month of January. Patient days increased and admissions were close to last year's level for the seven-month period, July through January, while revenue continued to be above budgeted levels.

Board of Regents Meeting 3/6/87

*Hospital - Council of Trustees - Report on patient activity, on the hospital's mission + building programs, and bronze plaque*

Mr. Derzon presented an overview of the hospital's regional services programs, which had received increasing emphasis in the past five years. In addition to the pursuit of excellence in patient care, education and research, UW Hospital and Clinics had a responsibility to function as a resource to all health care professionals and health-related organizations in the state. This mission was accomplished through a wide range of activities designed to strengthen the institution's linkage and service to the professional community throughout the state and region, with activities ranging from programs designed to help local communities recruit physicians, to on-site provision of management, clinical and educational services. Seventeen institutions currently participated in continuing medical education activities with the hospital and Medical School. It was noted that many medical faculty were involved in educational and clinical support activities, both within and outside the institution.

*ref*

*Lawton, Ben - Bronze plaque honoring Regent Lawton to be displayed at UW Hospital*

Vice Chancellor Jay Noren reported on the building program, which comprised \$17.8 million in new hospital construction and remodeling, as well as \$6.9 million for a patient/visitor parking ramp for the 1987-89 biennium. The Higher Education Subcommittee of the State Building Commission approved the building program last month, and the full Building Commission was to act on the proposal on March 10.

*honoring Regent Ben Lawton, pp 2-3*  
*p. 3*

Dr. Warren Olson made a presentation to the council on the hospital's extensive quality assurance program.

The council then heard a report on AIDS from Dr. Dennis Maki, a nationally recognized infectious disease expert. Some 130 cases of AIDS had been identified in Wisconsin, and UW Hospital and Clinics had cared for approximately one third of those patients. The hospital's excellent infectious disease and immunology staff were employing new experimental drug treatments for AIDS and were pursuing several avenues of research. In some cases, they hoped to extend the life expectancy of these patients from one to three, four and possibly even five years. Dr. Maki stated that AIDS would pose extraordinary challenges to health care providers in the years ahead, and he described the unique problems the hospital faced in caring for patients with AIDS.

Drs. John Marshall and Nancy Barklege presented an overview of new programs in the Department of Psychiatry, including its Anxiety Disorders Clinic and Center on Affective Disorders. Exciting developments in the field of psychiatry within the past five years had led to effective treatments for many conditions once considered untreatable.

The council voted to approve new medical staff appointments, and there was continued review of by-law revisions, which were scheduled for action at the next meeting.

It was reported that the bronze plaque honoring Regent Ben Lawton was nearing completion. It would be displayed prominently in the hospital, with the name of the award recipient inscribed on the plaque each year.

*Regent - Selection Committee for Dean of Edn., UW-River Falls*

Appointments to Regent Selection Committee for Dean of Education, UW-River Falls

~~President Weinstein announced the following appointments to the Regent Selection Committee for Dean of Education at UW-River Falls, creation of which was requested at the last meeting: Regent Flores (Chairman), Regent Finlayson and Regent Grover. President Weinstein and Vice President Schilling were to serve as ex-officio members,~~ p. 4

*UW-River Falls - Selection committee for Dean of Edn.*

Appointments to Regent Advisory Committee in the Matter of Carl Keen, UW-Oshkosh

*Appeals*

~~Referring to an appeal filed with the board by counsel for Mr. Keen, President Weinstein announced that he had appointed a committee consisting of Regents Schilling (Chairman), Flores and Hanson to look into the matter and advise the board.~~ p. 4

*Regent - Personnel Grievance Committee - (same)*

*UW-Oshkosh - (same)*

*Keen, Carl*

Scheduled Appearances of the President of the Board

President Weinstein reported that an appearance he had been scheduled to make before the UW-Milwaukee faculty had been cancelled due to a snow storm and would be rescheduled later. In the past week, he spoke to faculty and academic staff at the UW-Madison Round Table. The next week, President Shaw and he were to appear before the Building Commission on the capital budget and before the Senate Education Committee for an informational hearing on the operating budget. They also planned to testify on the budget at a hearing to be scheduled by the Joint Finance Committee.

~~Report on the Ben R. and Ruth M. Lawton Scholarship Fund~~

Regents Heckrodt and Hanson reported as co-chairmen of the scholarship fundraising committee. *Fundraising process reviewed. Committees appointed. working committee announced.*

Noting that the scholarship fund was being developed through the University of Wisconsin Foundation, Regent Heckrodt said the purpose of the scholarship was to encourage and assist worthy students from any campus within the UW System who had been accepted and planned to enroll as first-year medical students at UW-Madison. Preference would be given to needy students.

Reporting on the composition of the fundraising committees, Regent Hanson explained that the first committee comprised the honorary co-chairs, which included the present Governor and all past governors of Wisconsin as well as former Secretary of Defense Melvin Laird. The working committee consisted of Regents Hanson and Heckrodt; Vice President Bornstein; Dr. Arnold Brown, Dean of the Medical School; Dr. Sidney Johnson, president of the Marshfield Clinic; Regent Lawton's brother, John Lawton; Jay Noren, Vice Chancellor for Health Sciences at UW-Madison; Regent Emeritus Gerard



Veneman; Regent President Weinstein; ~~and~~ UW-Madison Professor Edwin Young; and Regent Emeritus James Nellen ~~also was being invited to serve. The first meeting of the working committee was scheduled for April 9.~~ pp 4-5

In addition, all current regents were honorary members of the fundraising committee.

Indicating that the goal was to raise \$250,000 by June-July 1987, Regent Heckrodt referred to an informational packet developed by the UW Foundation, which included referral forms for prospective donors, to be completed and returned to the UW Foundation for follow up. More than \$5,000 already had been contributed by members of the Board of Regents.

Regent Lawton had been kept fully informed about this fundraising effort and had been helpful in identifying prospects and furnishing pictures. A brochure was being printed, which would include a very attractive photograph of Dr. and Mrs. Lawton.

Regent Hanson commended Vice President Bornstein for all he had done to put the fundraising process in motion.

Regent Weinstein pointed out that checks were to be made payable to the University of Wisconsin Foundation, with the notation on the left-hand corner of the checks that the contribution was for the Ben R. and Ruth M. Lawton scholarship fund, so that the money would not be commingled with other foundation funds.

Regent Heckrodt added that pledges could be paid over a three-year period and that various levels of support were indicated in the literature. A press release on the scholarship fund had been issued that day.

President Weinstein thanked Regents Hanson and Heckrodt for assuming responsibility as co-chairs of the fundraising committee.

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## REPORT OF THE PRESIDENT OF THE SYSTEM

### Report of Nonpersonnel Actions/Informational Items

Upon motion by Regent Schenian, seconded by Regent Fish, Resolution 3732 was unanimously approved by the board.

Resolution 3732: That the report of nonpersonnel 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.

Review of the Previous Month's Activities

President Shaw reported that this week he and Vice President Bornstein had visited Washington to brief members of the congressional delegation on items dealing with the proposed federal budget, including financial aid, tax policy, science and research, international programs, small business development centers, the Sea Grant program, cooperative extension and telecommunications. They found Wisconsin's senators and representatives to be very supportive of the UW System, which they viewed as a major force in state and national economic development.

President Shaw and Vice President Bornstein then traveled to New York City to participate in a dinner designed to remind former Wisconsinites headquartered in the New York area about the many cultural, educational and economic resources of Wisconsin. The event was hosted by Robert F. Froehle, Chairman of Equitable Assurance Company. Earlier the same day, Professors John D. Wiley and Richard R. Burgess, of UW-Madison, spoke to an audience of national and New York media, along with business executives, about major research initiatives and accomplishments in material science and biotechnology. They were introduced by Governor Thompson.

REPORT OF THE EDUCATION COMMITTEE

Vice Chairman Flores presented the committee's report.

Report of the Vice President

*UW-Stevens Point - Staff - System Legal Counsel Tallman to explain Trojan case to faculties, p. 6*      Trojan Case

Vice President Trani reported meeting again with the faculty representatives for discussion of the ramifications of the Trojan case. One result was that a number of institutions were to invite John Tallman, System Senior Legal Counsel, to meet with groups of their faculties to discuss those issues.

*(x ref: Seniors - same as above)*

~~Committee on~~ International Education - System committee formed, p. 6

The System Committee on International Education had been organized and was to be chaired by Professor William Kuepper, of UW-Green Bay.

*Retirement Credit - Options for retirement credit for faculty when on leave with awards or sabbaticals*

The committee was advised of a way to address the problem of faculty losing credit toward retirement when on leave with awards or sabbaticals. Arrangements had been made whereby faculty taking leaves supported from extramural sources could generate creditable retirement service if the outside agency would agree to make the university the fiscal agent. Other options also were being explored.

*p. 6*

*(x ref Sabbaticals - (same))*  
*(x ref Awards - (same))*

NEH Fellowships

*Recipients of fellowships*  
p. 7

National Endowment for the Humanities fellowships had been awarded to three UW System faculty: Professors Victor R. Green, history, UW-Milwaukee; Kenneth S. Sacks, history, UW-Madison; and J. Thomas Shaw, Slavic languages, UW-Madison.

Meeting with Student Representatives

Dr. Trani reported that he recently held his first meeting with the student body presidents of UW institutions and representatives of United Council.

Undergraduate Teaching Improvement Grants for 1987-88

*Council - Grants for 1987-88*  
p. 7

The committee received the list of faculty whose projects had been selected to receive Undergraduate Teaching Improvement Grants for 1987-88. This program, which had been in existence since 1971, supported innovation in the undergraduate classroom. Twenty-four of the 54 proposals reviewed by the system committee were recommended for grants, including instructional applications of computer and other technologies, plus proposals in anthropology, physics, entomology, chemistry, and music.

Prepaid Tuition Plans

*Tuition - Resolution & discussion of prepaid tuition plans*  
R 3733, pp 7-8

Reporting on committee consideration of prepaid tuition plans, Regent Flores indicated that many reservations and cautions were expressed by the members of the committee. A motion was passed, with one negative vote, to table a resolution which would have specified criteria for a prepaid tuition plan, should the Legislature decide to establish one.

Concern was expressed, however, that tabling of the resolution could be interpreted as an indication that the regents were not interested in the issue. To dispel any such impression, Resolution 3733 was approved unanimously by the committee.

It was moved by Regent Flores and seconded by Regent Nikolay that the following resolution be adopted by the board:

Resolution 3733: That Vice President for Academic Affairs Eugene P. Trani be asked to keep the Education Committee regularly informed of developments, on both the state and national levels, as they affect prepaid tuition programs.

In response to a question by Regent Clusen, Regent Flores explained that in committee he voted against the motion to table because he felt the Legislature was interested in the prepaid tuition issue, and he did not want to leave composition of such a plan entirely to legislators and others. While it should not be considered the only answer to the problem of



educational costs, he thought it could be an important component that merited further review and action by the regents.

Put to the vote, Resolution 3733 was adopted unanimously.

✓ Accreditation Principles - *Statement of principles on accreditation, R 3734, p.8 & EX A*

The following resolution, which was unanimously approved by the committee, was moved by Regent Flores, seconded by Regent Hassett and adopted unanimously by the board:

Resolution 3734: That, upon the recommendation of the President of the University of Wisconsin System, the Board of Regents adopt the Statement of Principles on Accreditation, dated January 28, 1987, as formal guidelines for institutional accreditation (EXHIBIT A).

Regent Weinstein added that, at the committee meeting, it was agreed the regents would receive regular reports on accreditation reviews of programs throughout the system.

✓ Business Administration -  
→ Report on Strategic Planning in Business Administration, p. 8

Summarizing committee discussion of the Report of the Steering Committee for Strategic Planning in Business Administration, Regent Flores said highlights and conclusions of the report were presented by Professor Russell Fenske, chair of the committee, and several of the members. A spirited discussion followed, but no action was requested at this time. The report was to be reviewed and analyzed by the vice chancellors and by System Administration, with institutional responses due to the Office of Academic Affairs by June 1. A final report, with recommendations, would be prepared for presentation to the Education Committee and the board at the September meeting, with a request for action at that time.

✓ Guidelines for Centers of Excellence - *Guidelines, p. 8*

It was noted by Regent Flores that the Regent Study of the Future of the UW System recommended that each institution work with the System Office of Academic Affairs, to review and clarify its mission and to identify centers of excellence. For informational purposes, the Education Committee was presented with guidelines which had been developed for review of the institutional missions and for designating centers of excellence. The guidelines were ready for implementation at this time. The committee expressed no interest in changing the name of the "centers of excellence" program.

Admissions

Graduation Record of Students Admitted on the Basis of High School Percentile Rank, by Quartile, p. 9

Recalling that last month the board was given a report on students admitted as exceptions to institutional admissions policies, Regent Flores reported that this month, as an extension of that report, a study was presented of the university graduation record of students according to their high school percentile rank, by quartile.

Among the highlights of the report were the following findings: (a) Of the 22,741 students admitted as freshmen at UW System four-year institutions in 1978, 50.3 percent completed bachelor's degrees at UW institutions within seven years; (b) graduation rates varied among institutions; (c) the higher the high school percentile rank, the greater the chance of graduation; (d) students with lower high school percentile ranks did better at some institutions than at other institutions; and (e) a number of existing board policies might affect retention rates in the future.

In the discussion which followed, several substantive policy questions were raised as a result both of this report and the admissions report prepared for the last meeting.

There was concern by the committee, however, that policies for admissions should not become so rigid as to allow no exceptions.

In discussion at the board meeting, Regent Weinstein requested that both reports be updated on an annual basis.

Five Year Reviews

Reporting that the committee heard two informational reports on five-year reviews of academic programs, Regent Flores observed that both reviews were examples of how the process could result in identifying ways to improve programs, and that both programs were undergoing major staffing and curricular revisions as a result of the review process.

UW-Whitewater - 5-year review of

BS in Public Policy and Administration, UW-Whitewater p. 9

The first report was on the five-year review of the BS in Public Policy and Administration at UW-Whitewater, which combined work in management, political science, and other subject matter areas. The program was currently in the process of major curricular revisions, as suggested during the review, and a special report on the effects of those revisions was to be forwarded to the Office of Academic Affairs by the vice chancellor in 1989.

UW-Stevens Point - 5-year review of

MA in Communications, UW-Stevens Point pp 9-10

The committee heard an informational report on the five-year review of the MA in Communications at UW-Stevens Point. While this was considered a viable program which met most of its objectives, concerns were expressed during the review about some portions of the curriculum and lack of

professional activity by the faculty. A special report addressing those issues was to be submitted to the Office of Academic Affairs by the vice chancellor within two years.

Authorizations to Recruit -

→ Authorization to Recruit for a Vice Chancellor, UW-Milwaukee, R 3735, p. 10

Reporting unanimous committee approval of the following resolution, Regent Flores moved its adoption by the board. The motion was seconded by Regent Finlayson and carried unanimously.

UW-Milwaukee - Staff - (same)

Resolution 3735: That, upon the recommendation of the Chancellor of the University of Wisconsin-Milwaukee and the President of the University of Wisconsin System, the request of the Chancellor to recruit for a Vice Chancellor be approved.

REPORT OF THE BUSINESS AND FINANCE COMMITTEE

The committee's report was presented by Chairman Lyon.

Gifts, Grants, and U.S. Government Contracts

Assistant Vice President for Business and Finance Ray Marnocha reported that gifts, grants and contracts through the eighth month of this fiscal year totaled \$240.9 million--\$10.2 million more than the same period last year, which amounted to a 4.4 percent increase. The non-federal share increased 17.8 percent (\$9.1 million) over a year ago, while the federal share increased 0.6 percent (\$1.1 million) over the same period last year. Primary changes in federal receipts were an increase in research funding (\$7.2 million) and decreases in instruction (\$2.2 million) and student aid (\$4.8 million). The decrease in student aid resulted from report timing, which should be self-correcting next month.

Reporting that the committee unanimously approved Resolution 3736, Regent Lyon moved its adoption by the board. The motion was seconded by Regent Fish and carried unanimously.

Resolution 3736: 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.

*Gifts + Grants - Request of*

~~Acceptance of the Dorothea W. Pickard Request~~, R 3737, p. 11

Regent Lyon reported the committee's unanimous recommendation for acceptance of this bequest, which would provide \$400,000 to the UW-Platteville for establishment of a "Distinguished Lecturer Chair" named for Dorothea Pickard's father, James Alva Wilgus. Since the bequest included common stocks, the value had appreciated by \$60,000 during the recent rise of the stock market, providing a current total of \$460,000. Chancellor Chmurny advised the committee that Ms. Pickard had given \$100,000 to the UW-Platteville Foundation in memory of her father prior to her death, and the Pickard family long had been outstanding supporters of the university.

*Pickard, Dorothea W. - Acceptance of bequest, R 3737, p. 11*

upon motion by Regent Lyon, seconded by Regent Knowles, the following resolution was adopted unanimously by the board:

Resolution 3737: That the bequest of the late Dorothea W. Pickard, of Neenah, Wisconsin, be accepted by the Board of Regents of the University of Wisconsin System in accordance with the terms and conditions of the trust, and that the Trust Officer or Assistant Trust Officers be authorized to sign receipts and do all things necessary to effect the transfer for the benefit of the University of Wisconsin-Platteville.

(The bequest under the trust provides as follows:

"The sum of Four Hundred Thousand Dollars [\$400,000.00] to the University of Wisconsin-Platteville, Platteville, Wisconsin, for the establishment of a 'Distinguished Lecturer Chair' named for my father, James Alva Wilgus, who was a member of the University's faculty for over forty-four [44] years. It is my wish that the 'James Alva Wilgus Distinguished Lecturer Chair' be rotated annually among the many disciplines of the University."

(Dorothea Wilgus Pickard graduated from Platteville State Normal School in 1921 and received a degree in English in 1924 from the University of Wisconsin-Madison.)

*Budget -*

Report on the Governor's Budget for the UW System, 11-12

President Shaw reviewed with the committee the Governor's budget recommendations, which provided greater GPR support for the university system than for state government as a whole. Excluding salaries, a 0.3 percent increase was recommended for all state operations supported by GPR, while a 1.24 percent increase in GPR spending was recommended for the UW System. Approximately \$4.3 million of the increase would have to be allocated to compensate for the losses incurred from the budget reduction

*(Xref: Governor - (same))*

plan this year. The recommendation included an increase of 384 FTE positions for quality improvement and 432 FTE in total, while an overall decrease of 400 FTE positions was recommended for all state GPR funding. Undergraduate tuition increase recommendations were 12 percent for UW-Madison, UW-Milwaukee, and the comprehensive universities, while an 8.9 percent increase was recommended for the UW Centers. The Governor's proposal on salaries was not yet known, but it was expected to include a one percent retirement pick-up for unclassified staff, effective January 1, 1988. Additional initiatives of the Governor were a tuition surcharge for students taking courses beyond normal graduation requirements, sick leave conversion limits, elimination of comparable worth language, and increased program revenue payments for municipal services.

President Shaw stated that the priorities for budget deliberations with state government would be to preserve the Governor's recommendations and to secure necessary increases in faculty compensation.

*Budget* →  
Decision Rules for Allocation of 1987-88 Instruction-Related Funds, pp 12-15

Regent Lyon reported unanimous committee approval of decision rules to be used in implementing Governor Thompson's budget recommendations, with specific campus allocations to follow from those rules. Even though the Legislature would not act on the budget until June or July, it was pointed out that the university must begin to make financial and program plans for the next academic year. To do so, the institutions required some sense of the funding they might expect if the Governor's recommendations were essentially adopted.

In discussing the rules regarding enrollment management plans, President Shaw indicated enrollment growth would be controlled and redistributed, and funding to institutions would not follow enrollment increases beyond the enrollment goals established in the management plan that would be reported to the Board of Regents within the next month.

Adoption by the Board of Resolution 3738 was moved by Regent Lyon and seconded by Regent Fish.

Resolution 3738: That, upon recommendation of the President of the University of Wisconsin System, the Board of Regents approves the decision rules for tentative distribution of the 1987-88 allocations outlined in Biennial Budget Policy Guideline #87-89/1.

In discussion at the board meeting, Regent Weinstein called attention to a letter from the UW-Madison Teaching Assistants Association urging the board not to adopt the decision rules. While he did not agree with their position, he wanted regents to have the opportunity to consider their comments before taking action.

Regent Schenian observed that the letter raised several issues which were not addressed in the decision rules, such as compensation and academic staff changes.

President Shaw commented that the TAA apparently was making the incorrect assumption that all new resources for the UW System would go to UW-Madison. While the letter indicated that conversion of 100 FTE positions to faculty would mean elimination of 200 to 300 graduate students, the fact was that these positions certainly would not all go to UW-Madison and indeed might not be allocated to UW-Madison in a proportionate way, since there were needs at other institutions that could be better met by those kinds of conversions. With regard to the number of additional sections, he noted the distinction between faculty teaching load and work load, the latter averaging 55-60 hours a week. The teaching load was less at the research institutions and more at the comprehensive universities and centers. Any assumption based only on doctoral institutions would be erroneous.

Regent Fish stated that he found the decision rules consistent with the Regent Report of the Future of the UW System. All the work involved in the study, he added, would not be justified if these kind of initiatives did not follow. Over the years, he noted that GPR funding had been directly related to enrollment, and assuming some economy of scale, a large institution was better situated financially than a small institution. He felt it was important for the regents to make clear at this time that they were serious about managing enrollment to the point that there would be no added dollars for numbers of students beyond established levels.

Regent Hassett inquired as to what would occur if it were found that enrollments had not been cut by 1500 students.

Noting that the figures identified were considered as goals, President Shaw indicated that they would be taken very seriously but might not be reached exactly. The goal of a 1500 decrease for next year, for example, would be finalized later in view of this year's experience. With regard to reinforcement for reaching the goals, the president noted that this year it was decided to apply additional tuition revenue to reduce next year's tuition, rather than to request release of those dollars for use by the institutions.

Secondly, in allocating funds on the basis of the decision rules, a number of factors would be considered, including institutional need, the amount of fee income generated for fee positions, and the enrollment goals under the enrollment management plan. Since institutions would not be rewarded for exceeding goals, what used to be reinforcement for growth was being turned into reinforcement for enrollment management, keeping in mind that four institutions were going to grow in enrollment and the others were going to decrease.

Third, he stated, the best motivation for achieving enrollment targets was seriousness about quality higher education and the realization that funding was not adequate to provide a high-quality education to the number of students currently enrolled.

Regent Nikolay expressed agreement with the TAA's contention that it would be premature to accept the Governor's budget proposal at this time, since legislators might offer amendments that would make it unnecessary to reduce enrollment or increase tuition. He inquired as to the urgency of taking action at this meeting.

In reply, President Shaw explained that the institutions needed as soon as possible to begin planning for next year. If decision rules were not available early in the process, it would be difficult for them to plan specific budgets for board approval at a later meeting. While additional dollars would be gratefully received, the President added, he felt the largest area of remaining need was faculty salaries, which would not affect other areas of budgetary planning. In addition, experience suggested that changes in the Governor's budget usually were not of a great enough magnitude to warrant delay of the planning process.

Although the decision rules were based on the Governor's proposed budget, Regent Weinstein emphasized that use of those figures as a planning tool did not mean there would be no effort to gain additional funds. On the other hand, it was not possible to wait for budget passage before planning for the fall semester.

Regent Hanson asked if adoption of the decision rules implied endorsement of the Governor's views on elimination of comparable worth pay and sick leave conversion.

Replying in the negative, President Shaw explained that the decision rules referred only to those areas in which the UW System needed to move forward in determining where resources would be allocated. For example, it was necessary to begin making decisions about which institutions were to receive positions, how many positions they would receive, and how library resources and financial aid resources were to be allocated.

Emphasizing that it would be incorrect to interpret adoption of the decision rules as endorsement of the Governor's budget, Regent Schenian noted that the rules could be applied regardless of whether the request were changed by the Legislature.

Regent Fish added that the purpose of the rules was to provide for the orderly planning process necessary to implement the Regent Study of the Future of the UW System. If the Legislature decided to lower tuition or provide further support, he noted, the UW System could alter plans accordingly. In addition to finances, Regent Fish pointed out that it was important to keep in mind other aspects of the Regent study which related to maintenance of excellence.

Regent Flores asked if approval of the decision rules would inhibit the ability of any group to lobby for additional resources.

Regent Weinstein replied in the negative, adding that, if necessary, a special meeting could be called to adjust the planning process. Noting that the decision rules were intended to be no more than a planning tool, he observed that they should be considered in view of the following three points: First, the specified enrollment reduction was a modest first step

to change the direction of the UW System and to relate enrollments to funding, as judged necessary by the Regent study. Second, the Education Committee would be considering additional changes in admission policies beyond those established by the study; and third, in June the board would be looking at the UW Centers in terms of their role in the system and transfer of credits.

Regent Schilling observed that, while the UW System would have liked more funding, the Governor extended himself with some political risk and demonstrated that he understood the seriousness of the UW System's funding problems by advancing a budget that treated the UW System better than some other agencies. In return, the Governor and legislators expected the UW System to move forward to implement the conclusions of the Regent study by such means as the proposed decision rules.

Put to the vote, Resolution 3738 was adopted, with Regent Nikolay voting "No."

Report of the Vice President for Business and Finance

*Financial Aid - Improvements in*  
Billing and Collections of NSDL Payments, p. 15

Continuing the report of the Business and Finance Committee, Regent Lyon said the committee was advised of progress in improvement of billing and collections of National Direct Student Loan (NDSL) payments as recommended in the legislative audit a year ago. In-house procedures had been improved and collection of past-due payments had increased by \$4.8 million (about two percent of the total loan portfolio). A decision on whether to centralize monthly billings was to be made after the end of the second year of the current study period.

*United Council of Student Fees - Approval of*  
Summer Session Mandatory Refundable Fee for United Council

R 3739,  
pp 15-16

The committee unanimously approved a resolution to expand United Council's mandatory refundable fee to cover the summer session at institutions where students chose by referendum to belong to United Council. The resolution also included a uniform procedure for the refunding of the fee upon student request, but the committee separated addition of the summer school fee from the procedure, requesting system administration to provide at the April meeting a written procedure for administration of fee collections and refunding. It was also requested that United Council provide a copy of their budget to the committee at its next meeting.

Upon motion of Regent Lyon, seconded by Regent Nikolay, the following resolution was adopted unanimously by the board:

*(X ref Fees - (same))*



Resolution 3739: That, upon the recommendation of the President of the University of Wisconsin System, the current mandatory refundable fee of \$1.00 per year (\$.50 per semester) for the United Council of University of Wisconsin Student Governments be extended to \$1.50 to include a fee of \$.50 for summer session students enrolled in institutions that belong to United Council, effective in the 1987 summer session.

Fiscal Year 1986-87 Projection Summary Report

Regent Lyon reported that, in reviewing the *Fiscal Year 1986-87 Projection Summary Report*, Assistant Vice President Ray Marnocha stated that the uncommitted balance for revenue shortfall and other contingencies as of February 28, 1987, was \$1,403,221.

*Budget* - Estimated Budgetary Needs Preliminary estimates of budgetary needs, p. 16

The committee heard preliminary discussion of work in progress on estimated budgetary needs in a variety of areas ranging from instruction to libraries and physical facilities. These estimates were to undergo further refinement and serve as the basis of future long-term budget planning unrelated to the current biennial budget. Regents would be kept apprised as the estimates were refined further.

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REPORT OF THE PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

The committee's report was presented by Chairman Nikolay.

Approval of Major Project Concept and Budget Reports, UW-Madison

The committee unanimously approved the concept and budget reports for new modules at the UW-Madison Clinical Science Center, including modifications to the budgets. The first was for the medical records addition at a reduced project cost of \$191,000, for a revised total budget of \$1,855,000; and the second was for the management services addition at an increased cost of \$190,000, for a revised total budget of \$2,842,000. Both projects were to be funded by program revenue-supported borrowing. Each had been discussed previously by the board, both when planning was authorized through approval of the special study in October 1986 and as a part of the capital budget. The concept and budget reports were the final step in the approval process and were consistent with actions previously taken by the board. Budget modifications represented refinements of original estimates now that preliminary plans were available. Center for Health Sciences Vice Chancellor Jay Noren presented a graphic display to illustrate the location of the new modules and the associated remodeling in relation to the present hospital.

*Pages & Land - Approval of major project concept & budget reports for*

Regent Nikolay moved and Regent Schenian seconded Resolutions 3740 and 3741, which were unanimously adopted by the board.

Resolution 3740: That, upon the recommendation of the UW-Madison Acting Chancellor and the President of the University of Wisconsin System, the Concept and Budget Report be approved for the Clinical Science Center Medical Records Addition, ~~the project budget be reduced by \$191,000 and, authority be granted to plan, bid and construct the project at a total revised cost of \$1,855,000 Program Revenues Supported Borrowing.~~

(This project is to be combined with the Radiology Facility Addition for a combined total project cost of \$6,579,000.)

Resolution 3741: ~~That, upon the recommendation of the UW-Madison Acting Chancellor and the President of the University of Wisconsin System, the Concept and Budget Report be approved for the Clinical Science Center Management Services Addition, the project budget be increased by \$190,000, and authority be granted to plan, bid and construct the project at a total revised cost of \$2,842,000 from Program Revenue Supported Borrowing.~~

(This project is to be combined with the Surgical Science Research Center Addition for a combined total project cost of \$7,441,000.)

*(X ref) Clinical Science Center - (same)*

*→ R 3740 & R 3741, PP 16-17*

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

Regent Nikolay reported unanimous committee approval of the concept and budget report for the 1983-85 Carlson Business Education and Economics Building facilities performance evaluation project at UW-Whitewater. The budget of \$603,100 addressed the need for a wide variety of selected items from within the four statewide program allocations of energy conservation; health, safety and environment; removal of architectural barriers; and minimum maintenance.

Adoption by the board of the following resolution was moved by Regent Nikolay and seconded by Regent Schenian:

UW-Whitewater - Bldgs & Land - Approval of main project concept & budget reports

Resolution 3742: That, upon the recommendation of the UW-Whitewater Chancellor and the President of the University of Wisconsin System, the Concept and Budget Report be approved for the Carlson Business Education and Economics Building Facility Performance Evaluation project. The \$603,100 project cost will be funded from the following General Fund, Supported Borrowing sources:

→ R 3742, pp 17-18

1985-87 Removal of Architectural Barriers Program	\$ 11,500
1985-87 Energy Conservation Program	335,400
1987-89 Health, Safety and Environment Program	112,200
1987-89 Minimum Maintenance Program	144,000
	<u>\$603,100</u>

✓ Handicapped Accessibility - Question by Regent Fish about federal requirements for handicapped accessibility in buildings answered in letter

Regent Fish noted that the Carlson Building was constructed in 1969, at which time the handicapped accessibility law might have been in effect. He therefore questioned how the facility could have been built at that time without provision for physical accessibility. Secondly, he registered his objection to the concept of "all-agency" funds, but indicated he nevertheless would vote for the project because it needed to be done despite the funding source.

from VP Brown dated 4/8/87  
on file w/ indexed minutes of 3/6/87 meeting

✓ X ref UW-Whitewater - Bldgs & Land - (same)

Regent Heckrodt noted that the building might have been planned before the law on handicapped accessibility was enacted.

✓ Facilities Management - Question by Regent Fish about use of "all-agency funds" for building projects answered in letter from VP Brown dated 4/8/87

Regent Fish recalled, however, that the law applied to all facilities being constructed, even if changes in plans were required.

Put to the vote, Resolution 3742 was adopted unanimously by the board.

w/ indexed minutes of 3/6/87 meeting

✓ X ref UW-Whitewater - Bldgs & Land - (same)

Project Scope Change/Budget Modifications, UW-Stevens Point

X ref Funds - (same)

The committee unanimously approved the concept and budget report reflecting a scope change and budget increase for the 20-year-old Fine Arts Center at UW-Stevens Point. The project provided for asbestos removal in Jenkins Theatre, two adjacent work rooms, and two mechanical equipment rooms. A 1983 encapsulation project had not been successful and complete removal was the only viable solution at this time. A non-asbestos replacement material which provided similar acoustic properties was to be installed.

Although the project initially was submitted and approved in September 1985 at an estimated cost of \$80,600, the consultant had since determined that the removal was more labor intensive than expected and that the budget was inadequate. The request, therefore, was to increase the budget by \$173,100.

Adoption by the board of Resolution 3743 was moved by Regent Nikolay and seconded by Regent Schenian.

*UW-Stevens Point - Bldg 4 Ren'd*

*Approval of concept & budget report  
and budget modifications and scope changes*

Resolution 3743: ~~That, upon the recommendation of the UW Stevens Point Chancellor and the President of the University of Wisconsin System the Concept and Budget Report be approved for the 1985-87 Fine Arts Center Asbestos Abatement project, on the campus at University of Wisconsin Stevens Point; the project budget be increased by \$179,100; and authority granted to plan, bid and construct the project for a revised estimated total project cost of \$253,700, from General Obligation Bonding 1985-87 Health, Safety and Environment Allocation.~~

*R 3743, pp 18-19*

In discussion at the board meeting, Regent Fish recalled that years ago he had argued successfully against encapsulation and was supported in that position by other regents. He asked to be informed of the authority for this 1983 project, since he did not believe the board would have granted approval for it. While he intended to vote for the project, he emphasized that he wished once again to make the point that encapsulation of asbestos did not work, and he did not understand why the process continued to be used at great cost to the state.

Regent Clusen asked that the regents be advised if there were any other encapsulation projects under way.

Put to the vote, Resolution 3743 was adopted unanimously.

Approval of Minor Projects

Continuing the report of the Physical Planning and Development Committee, Regent Nikolay stated that the committee approved three minor projects. The first project involved roof shingling and sheathing replacement at Eagle Heights Apartments, UW-Madison, at a cost of \$104,400 from program revenues. In response to the committee's question, Vice Chancellor Len Van Ess explained that this project was considered on-going maintenance and was separate from the apartment refurbishing prototypes which had been approved for the Eagle Heights complex and for which a master plan was being developed.

The next two requests involved work on the 26-year-old McGregor Residence Hall at UW-Platteville. One project was to replace 172 deteriorated and obsolete windows, for an estimated total cost of \$156,800 from program revenue funds. The other was for a handicapped access elevator project in the same building, for an estimated cost of \$155,000 from program revenues.

It was moved by Regent Nikolay, seconded by Regent Schenian and carried unanimously that the following resolution be adopted by the board:

Resolution 3744: That, upon the recommendation of the UW-Madison Acting Chancellor and the UW-Platteville Chancellor and the President of the University of Wisconsin System, the following minor projects be approved, at the costs indicated, from the Program Revenues:

Bldgs + Land - Approval of  
UW-Madison

→ Eagle Heights Apartments 809-819 Roof Shingling/Sheathing Replacement, \$104,400, Program Revenues. (same) R 3744, pp 19-20

✓ (X ref Roof Problems)

✓ UW-Platteville - Bldgs + Land - Approval of

→ McGregor Hall Window Replacement, \$156,800, Program Revenues. and

→ McGregor Hall Handicapped Access Elevator, \$155,000, Program Revenues.

↓ R 3744, pp 19-20

Bldgs + Lands -

→ Status Report on University Golf Course Development, UW-Madison, pp 20-21

The committee received a status report on development of the university golf course from retired Vice President Reuben Lorenz, who chaired the Chancellor's special Golf Course Planning Committee. Explaining the process which had been followed since the appointment of the committee approximately one year ago, he said the project would be constructed in phases on the 585-acre parcel, which was purchased by the University of Wisconsin Foundation a number of years ago. While plans which were developed in the mid-1970s included housing as a key element, this now was deemed to be inconsistent with land use planning, and the current plan had no residential component. The committee was charged with making recommendations regarding the number of holes, the level of play, any special features to be included, and the architect and associated consultants who would be retained to develop the course.

✓ Golf Course - (same)

Mr. Lorenz stated the first priority was to develop an 18-hole, regulation course which would be suitable for all levels of playing capability. The second priority was development of a top-quality practice facility, which was referred to as the academic course; and the third priority was development of the second 18 holes. Plans also would include minimal clubhouse and pro shop facilities. When completed, the course would be gifted to the university by the foundation.

The next activity was selection of the architect from the 14 nationally recognized firms from whom proposals were solicited. Eleven firms submitted proposals and the six considered by the committee to be the most qualified were interviewed. The firm headed by Robert Trent Jones, Jr., Palo Alto, California, was the committee's choice.

To fill the need for a qualified land-use planner, the committee retained the firm of Johnson, Johnson and Roy from Ann Arbor, Michigan, which had an excellent reputation for recreational building as well as for attention to environmental concerns. The Madison-based firm of Warzyn Engineering was selected to provide such needed engineering services as the development of parking areas and roads.

An environmental impact statement was being prepared and efforts were under way to secure the necessary zoning change from agricultural to recreational. In addition, a statutory language change was needed. Meetings had been held with representatives of the Town of Verona and with the Village of Verona Board. Two public meetings were held involving the Department of Natural Resources, Department of Transportation, Department of Agriculture and interested environmentalists, in an effort to satisfy the concerns of all parties. In considering the recreational facilities to be incorporated into the development, plans were made to accommodate cross-country running and skiing. Provisions also had been made for the Ice Age Trail, which ran along the southern boundary of the property, and for having land set aside for use by those involved in turf research.

The development ultimately was to include the 36-hole regulation course, a nine-hole academic course and a practice area which would encompass 30 acres.

The estimated cost for the 18-hole course was \$2.4 million, to which would be added costs for development of the roadways, parking lots, a maintenance and equipment storage facility, and for the purchase of equipment to maintain the course. It was estimated the total cost of the first phase would be \$4 million, with approximately \$3.3 million presently available. Additional fund-raising efforts were under way, with the expectation being that the \$4 million goal would be achieved and possibly exceeded.

Participants in the development effort were optimistic that the remaining issues would be resolved so that ground-breaking could occur during August of this year, and current planning was to have the course ready for play by the fall of 1989. The complex was to be constructed and maintained without tax-supported funding. Greens fees and memberships were to be the primary revenue sources, with greens fees expected to be comparable to other semi-private courses in the area.

The committee expressed its appreciation to Mr. Lorenz for his excellent presentation.

*Fundraising - Assurance that UW-Madison golf course would be funded*

~~In discussion at the board meeting, Regent Lyon emphasized the fact that the golf course was to be constructed solely from private donations and not from state funds. He hoped media reports would make clear that was the case.~~

P. 21

Regent Fish concurred, adding that most of the money was donated by two individuals who gave the funds specifically for a golf course and not for any other purpose.

Report of the Vice President

Bid Openings

Regent Nikolay reported that the Physical Planning and Development Committee was advised that six major projects (with prebid budgets totaling \$1,049,200) had been bid since the February meeting. Four projects exceeded their approved budgets by \$31,600 and two projects were under the approved budgets by a total of \$14,900. The result of biddings was a net of \$16,700 over the authorized budgets.

*✓ Budget - Capital - Status report on request, p. 22*  
Capital Budget Request

Vice President Brown gave the committee a status report on the 1987-89 capital budget request, which was for \$162.2 million from all funding sources. Of that amount, the Building Commission subcommittee recommended \$115.5 million, a reduction of \$46.7 million. The UW-Madison Business School and Engineering Building addition, which were not approved, made up \$42.8 million of that reduction. The \$4.1 million Babcock Hall project at UW-Madison was approved, but the private funding required was set at \$1 million compared to the \$500,000 requested by the Board of Regents. The system's minor project request of \$12 million was reduced to \$6 million.

*✓ Fees - Proposal for \$1 million of student fees*

~~In considering ways to provide funding for the UW-Platteville and UW-Stevens Point Physical Education facilities, the subcommittee included a provision requiring \$1 million of student fees on each campus to supplement the GPR funding, and authority was included to bond this funding, should the system decide to do so. This action was counter to the regents' request for full GPR funding of both projects. The Physical Planning and Development Committee discussed the issue extensively but concluded that no action should be taken at this time, pending the outcome of the State Building Commission's decision on these requests at its meeting next week. If necessary, the matter could be placed on the regents' April agenda.~~

*and board discussion on use of student fees, pp 22-23*

The Building Commission subcommittee expressed strong support for the Business School and Engineering Building addition projects and endorsed the "challenge grant" concept included in the requests to raise private fund support before construction could proceed. The Governor's request that a bonding cap of \$150 million be observed constrained the subcommittee's consideration of these two costly projects because System Administration and campus staff planned to continue pursuing a way to achieve authorization for these requests.

*✓ X ref UW - Platteville - (same)*  
*✓ UW - Stevens Point - (same)*

Land Holding Report

~~The committee received the UW System Land Holding Report which showed all System land holdings as of December 1986, total of 17,100 acres,~~

*✓ Bldgs & Land - ... p. 22*

In discussion at the board meeting, Regent Schenian commented that use of student fees for the UW-Platteville/UW-Stevens Point physical education facilities would require a policy decision, since the board had in December declined to accept the willingness of UW-Stevens Point students to pay

segregated fees for a building of the type traditionally funded by general purpose revenues. Another issue was the Building Commission subcommittee's proposal that \$1 million be contributed by students at each campus, which created an equity problem, since the campuses were of different sizes in terms of student enrollment.

Regent Nikolay reported that one alternative was the possibility of spreading the cost of those two projects over the entire system, on the basis that students at UW-Platteville and UW-Stevens Point should not have to be responsible alone for costs not borne by students at other system institutions.

Indicating that he shared Regent Schenian's concerns, Regent Lyon observed that operations increasingly were being driven by user fees, not only for athletic facilities, but also in the area of research facilities. He suggested that it would be helpful to have guidance from the Physical Planning and Development Committee as to what the regents' position should be on outside support for certain types of buildings.

Regent Clusen cautioned that the vote to oppose a student share in funding the UW-Stevens Point facility was a specific-case decision on a very close vote, which could not be translated into a general policy. She agreed, however, that it was necessary to address the issues involved, since such questions would continue to arise.

Regent Heckrodt noted that student fees had been used in funding the Southeast Recreational Facility at UW-Madison, thus creating a precedent for those types of buildings. He preferred not to place the policy issue on the agenda unless it became necessary to do so following Building Commission action.

Regent Schenian observed, however, that the SERF building at UW-Madison was specifically a recreational facility and was considered an auxiliary unit rather than an educational building.

President Weinstein requested that the policy matter be reviewed further by the Physical Planning and Development Committee when the committee considered it appropriate to do so.

*Request - Policies - Question of using UW-Platteville & UW-Stevens Point student segregated fees for building projects, pp 22-23*

ADDITIONAL RESOLUTIONS

✓ Meeting at UW-River Falls - *acceptance of invitation to hold Oct. 1987 meeting at UW-River Falls, R 3745*  
Regent Schenian moved and Regent Schilling seconded the following resolution, which was unanimously adopted by the board:

Resolution 3745: That the Board of Regents accepts the invitation of Chancellor Thibodeau to hold the October 1987 regent meetings at UW-River Falls. *p. 23*

*Request Meetings - (same)*



Murphy, Eugene - Died 3/5/87, p. 24

COMMUNICATIONS, PETITIONS AND MEMORIALS

Death of Eugene Murphy

President Weinstein advised the board that Eugene Murphy passed away the previous day. He served from 1951 to 1971 on the State Universities Board of Regents and from 1971 to 1973 on the UW System Board. He had been President of the State Universities Board for three terms. Regent Weinstein requested that a letter of condolence be sent to the family on behalf of the board.

Collective Bargaining - Request from TAUWF for regent action on collective bargaining for academic staff pp 24-25

Request regarding Collective Bargaining

Referring to a communication from The Association of University of Wisconsin Faculties requesting regent action on collective bargaining for academic staff, President Weinstein said his response was that the board had thoroughly discussed and acted upon the matter in January 1986 after a lengthy public hearing, and that, therefore, he would not put the issue on the March agenda. In addition, he would not plan to put the matter on a future agenda unless the regents wished to discuss it again. Pointing out that the academic staff collective bargaining bills in the Senate and the Assembly this year were essentially the same as the bills offered last year, Regent Weinstein noted that the board's 1986 action included both faculty and academic staff. An attempt to separate the two failed, after which the board's resolution reaffirming its opposition to collective bargaining for both groups was adopted.

Reg Academic Staff - (same)

Regent Schenian said he would like to see the matter placed on the agenda since the board had not addressed separately the subject of the academic staff collective bargaining.

Regent Fish observed that if a regent wished to discuss the issue, he or she should present a resolution. If that resolution either were defeated or tabled, the regent position would remain unchanged.

Recalling that she was one who had voted in January 1986 to separate the issues of faculty and academic staff collective bargaining, Regent Clusen expressed the view that the resolution opposing collective bargaining passed because regents who would have voted differently on faculty and academic staff proposals did not want to approve collective bargaining for faculty. While the board had not voted separately on the issue of collective bargaining for academic staff, she did not believe a vote on the matter at this time would be different from the last one. Thus she did not plan to offer a resolution. However, if the board should decide to take up the issue again, she hoped there would simply be a vote without having another hearing, since the bill was the same as in previous years.

President Weinstein stated that the issue would be discussed if any regent wanted it on the agenda and offered an appropriate resolution. In the meantime, President Shaw would in the near future provide an update on the status of academic staff governance.

If a resolution on academic staff collective bargaining were to be proposed, Regent Heckrodt asked that it be distributed in advance of the meeting so that other resolutions also could be offered.

- - -

At 11:05 a.m., the following resolution, moved by Regent Schilling and seconded by Regent Fish, was unanimously adopted on a roll call vote, with Regents Finlayson, Fish, Flores, Grover, Hanson, Heckrodt, Knowles, Lyon, Nikolay, Schenian, Schilling and Weinstein voting "Aye" (12), and no regents voting "No."

Resolution 3746: That the Board of Regents recess into closed session 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

*UW Green Bay - Board of Visitors - Appointments for terms ending 6/89;*  
The board arose from closed session at 12:10 p.m. and made the following announcement:

Resolution 3747: That, upon the recommendation of the UW-Green Bay Chancellor and the President of the University of Wisconsin System, the following persons be appointed to the UW-Green Bay Board of Visitors for terms ending in June 1989:

- Michael R. Mullen,
  - Bernard H. Schramm,
  - Nanette M. Nelson,
  - Gene Bankers,
  - Daniel R. Smith,
- R 3747, p. 25*

Resolution 3748 was adopted by the board in closed session in February 1987 but was not announced, pending campus receipt of acceptance from the nominees.

*UW-Milwaukee*  
✓

Resolution 3748: That, upon the recommendation of the Chancellor of UW-Milwaukee and the President of the University of Wisconsin System, the following persons be awarded honorary degrees, to be conferred at commencement in May 1987 at the University of Wisconsin-Milwaukee, subject to acceptance by the nominees:

*Honorary degrees for 5/87; DS;*

- Helmut Beinert, ~~Doctor of Science~~
- Sol Burstein, ~~Doctor of Science~~;
- W. Thomas Edmondson, ~~Doctor of Science~~ DS;
- Lukas Foss, Doctor of Music;
- Richard D. Harza, ~~Doctor of Science~~ DS; and
- E. J. Josey, Doctor of Public Service;

*R 3748, p. 26*

✓  
*Honorary Degrees - UW-Milw. - (same)*

The meeting was adjourned at 12:10 p.m., upon motion by Regent Schenian, and seconded by Regent Knowles.

*Judith A. Temby*  
\_\_\_\_\_  
Judith A. Temby  
Secretary

March 24, 1987

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

## UNIVERSITY OF WISCONSIN - MADISON

## EXTENSION AND PUBLIC SERVICE

1. TENNESSEE VALLEY AUTHORITY  
MUSCLE SHOALS, AL  
FERTILIZER TESTS AND DEMONSTRATIONS  
FOR THE PERIOD 10-01-86 THROUGH 09-30-87  
AT A TOTAL COST OF \$12,800.00  
AWARD # TV-60555, MOD. 1  
MSN AG&LSC SOIL SCIENCE (144-Y662) 500.00
2. MULTIPLE DONORS  
PROFESSIONAL IMPROVEMENT OF THE RECREATION  
RESOURCE CENTER STAFF  
MSN AG&LSC N R-RECR RSCRC C (133-DO74) 629.88
3. WISCONSIN AMERICAN LEGION AUXILIARY  
MILWAUKEE, WI  
"BADGER GIRLS STATE - 87"  
MSN OUTRCH GOVRMNTL AFFAIRS (133-L320) 12,110.00
4. BLUE CROSS & BLUE SHIELD UNITED OF WI  
MILWAUKEE, WI  
SUPPORT PROGRAMS OF THE DEPARTMENT OF BUSINESS AND  
MANAGEMENT  
MSN BUS MANAGMENT INSTIT (133-4539) 3,073.10
5. MULTIPLE DONORS  
SUPPORT WEED CONTROL RESEARCH PROGRAM  
MSN AG&LSC AGRONOMY (133-7714) 500.00

## GIFT-IN-KIND

1. CONSOLIDATED PAPERS, INC.  
WISCONSIN PAPERS, WI  
GRANITE TOPPED OPTICAL BENCH, HELIUM-NEON LASER  
WITH POWER SUPPLIES, CONTROLLER AND THE  
OPTICAL ACCESSORIES  
MSN ENGR MECHANICAL ENGR
2. MOOG, INC.  
EAST AURORA, NY  
SERVOVALVE, FOUR SERVOCONTROLLERS AND MANIFOLD  
MSN ENGR MECHANICAL ENGR
3. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
LEADING EDGE WORD PROCESSOR  
MSN BUS SCH OF BUSINESS
4. DR. AND MRS. ALFRED BADER  
MILWAUKEE, WI  
UNKNOWN ARTIST (FRENCH, 18TH CENTURY), MAN WITH  
PEWTER STEIN, SEEN THROUGH A WINDOW, OIL ON PANEL  
MSN L&S ELVJM MUSEUM ART
5. THOMAS J. BLANKENHEIM  
MADISON, WI  
TEXAS INSTRUMENTS MODEL 810 PRINTER, MICRO-TERM  
MIME-2A ALPHA NUMERIC CRT TERMINAL, MICRO-TERM  
ACT-V ALPHA NUMERIC CRT TERMINAL  
MSN HS-HSP CLINICAL LABS DATA PROC

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

UNIVERSITY OF WISCONSIN - MADISON

## GIFT-IN-KIND

6. FREDERICK BAKER  
NEW YORK, NY  
STOKELY WEBSTER, MICHIGAN AVENUE, CHICAGO, OIL  
ON CANVAS  
MSN L&S ELVJM MUSEUM ART
7. WISCONSIN FOUNDATION FOR THE ARTS  
MADISON, WI  
WARRINGTON COLESCOTT PRINT, NIGHT OF THE ARTISTS,  
1986, COLOR INTAGLIO PRINT, 16/50  
RAYMOND GLOECKLER, THREE WOODBLOCKS FOR THE PRINT  
HORNBLOWER  
MSN L&S ELVJM MUSEUM ART
8. MR. THOMPSON WEBB  
WAUNAKEE, WI  
ANTHONY VANDYKE COPLEY FIELDING, VIEW OF WARWICK  
CASTLE FROM A DISTANCE, 1816, WATERCOLOR  
MSN L&S ELVJM MUSEUM ART
9. DR. HANIA W. RIS  
MADISON, WI  
CLOTHING  
MSN L&S THEATRE & DRAMA
10. MR. AND MRS. WILLIAM F. SPENGLER  
COLORADO SPRINGS, CO  
13 ITEMS OF GANDHARAN SCULPTURE  
MSN L&S ELVJM MUSEUM ART
11. DR. KRISTAPS J. KEGGI  
WATERBURY, CT  
9 BLACK AND WHITE PHOTOGRAPHS FROM ELLIOT ERWITT'S  
MASTER PRINTS, VOLUME I, 9 BLACK AND WHITE  
PHOTOGRAPHS FROM ELLIOT ERWITT'S MASTER PRINTS  
VOLUME II  
MSN L&S ELVJM MUSEUM ART
12. UNIVERSITY SURGICAL ASSOCIATES  
MADISON, WI  
JOAN MIRO "ARLEQUIN CREPUSCULAIRE" ETCHING AND  
AQUATINT. MARC CHAGALL "CIRCUS RIDER" ORIGINAL  
LITHOGRAPH SIGNED IN PLATE; MARC CHAGALL "COUPLE  
WITH BLUE HORSE" ORIGINAL LITHOGRAPH, UNSIGNED  
MSN HS-MED SURGERY
13. UNIVERSITY SURGICAL ASSOCIATES  
MADISON, WI  
CARLA MAZZUCATO "ACROSS THE ORCHARD" ORIGINAL  
ACRYLIC PAINTING ON PAPER; CARLA MAZZUCATO  
"BLUE MORNING" ORIGINAL ACRYLIC PAINTING ON  
PAPER  
MSN HS-MED SURGERY
14. MRS. JANE WERNER WATSON  
SANTA BARBARA, CA  
NINE INDIAN MINIATURE PAINTINGS  
MSN L&S ELVJM MUSEUM ART

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

UNIVERSITY OF WISCONSIN - MADISON

GIFT-IN-KIND

15. MRS. FRED M. YOUNG, SR.  
RACINE, WI  
THE FRED M. YOUNG COLLECTION: BOOKS ON THE HORSE  
AND HORSEMANSHIP; RIDING, HUNTING, BREEDING AND  
RIDING. OVER 1600 VOLUMES.  
MSN VET M ADM-DEAN'S OFFIC DEAN'S OFC
16. MRS. JOYCE BARTELL  
MADISON, WI  
CLOTHING  
MSN L&S THEATRE & DRAMA

INSTRUCTION

- |    |   |              |           |
|----|---|--------------|-----------|
| 1. | CRAY RESEARCH FOUNDATION<br>MINNEAPOLIS, MN<br>COMPUTER SCIENCES DEPARTMENT--FACULTY DEVELOPMENT<br>FUND #2<br>MSN L&S      COMPUTER SCI  | ( TRUST )    | 5,000.00  |
| 2. | MULTIPLE DONORS<br>BARAD, RICHARD M.--MEMORIAL TRUST FUND<br>MSN HS-MED FAM MED & PRACT   | ( TRUST )    | 25.00     |
| 3. | MEDICAL ALUMNI ASSOCIATION<br>MADISON, WI<br>CLASS OF 1947--VISITING PROFESSORSHIP<br>MSN HS-MED  | ( TRUST )    | 1,800.00  |
| 4. | MEDICAL ALUMNI ASSOCIATION<br>MADISON, WI<br>MEYER, O.O.--CLINICAL TEACHING<br>MSN HS-MED MEDICINE  | ( TRUST )    | 600.00    |
| 5. | MEDICAL ALUMNI ASSOCIATION<br>MADISON, WI<br>JUHL, JOHN H.--VISITING PROFESSORSHIP<br>MSN HS-MED RADIOLOGY  | ( TRUST )    | 750.00    |
| 6. | BARAD, RICHARD M.--MEMORIAL TRUST FUND<br>MSN HS-MED FAM MED & PRACT  | ( TRUST )    |           |
|    | 100.00      MEDICAL ALUMNI ASSOCIATION<br>MADISON, WI   |              |           |
|    | 2,515.00      MULTIPLE DONORS   |              |           |
|    |   |              | 2,615.00  |
| 7. | DHHS, PHS, NATIONAL INSTITUTES OF HEALTH<br>BETHESDA, MD<br>U.W. RADIOLOGICAL SCIENCES TRAINING PROGRAM<br>FOR THE PERIOD 02-01-87 THROUGH 01-31-88<br>AWARD # 5 T32 CA09206-09<br>MSN HS-MED MEDICAL PHYSICS | ( 144-Y932 ) | 75,339.00 |

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## INSTRUCTION

8.	WI DEPT OF HEALTH & SOCIAL SERVICES MADISON, WI PRIME CONTRACTOR WITH DHHS PHS NIH ALCOHOL AND OTHER DRUG ABUSE FOR THE PERIOD 01-01-87 THROUGH 12-31-87 AWARD # P.O. #FDG E7797 MSN G E A WIS CLEARINGHOUS	(144-Y930)	98,250.00
9.	MULTIPLE DONORS SHORT COURSE INSTRUCTION IMPROVEMENT FUND MSN AG&LSC ACAD STU AFF ADM	(133-B487)	360.00
10.	ABBOTT LABORATORIES NORTH CHICAGO, IL PHARMACY SEMINAR PROGRAM MSN HS-PHR PHARMACY	(133-H850)	2,000.00
11.	MULTIPLE DONORS SUPPORT AGRICULTURAL ECONOMICS GRADUATE TRAINING PROGRAM MSN AG&LSC AG ECONOMICS	(133-3859)	100.00
12.	MULTIPLE DONORS MAX FOX PRECEPTORSHIP RECOGNITION AWARD MSN HS-MED ADMINISTRATION DEANS OFFC	(133-6759)	250.00

## LIBRARIES

1.	MEDICAL ALUMNI ASSOCIATION MADISON, WI MEEK, WALTER J.--LIBRARY MSN HS-MED PHYSIOLOGY	( TRUST )	200.00
2.	MEDICAL ALUMNI ASSOCIATION MADISON, WI REESE, DR. HAAS--LIBRARY MSN HS-MED NEUROLOGY	( TRUST )	100.00
3.	MULTIPLE DONORS SPECIAL SUPPORT FOR COOPERATIVE CHILDREN'S BOOK CENTER MSN L&S LIB&INF ST	(133-D098)	200.00
4.	TRACEY (THOMAS M) TRUST AGREEMENT JACKSONVILLE, FL LAW SCHOOL LIBRARY ACQUISITION FUND MSN LAW LIBRARY	(133-F070)	1,888.89
5.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FRIENDS OF THE WENDT LIBRARY MSN ENGR LIBRARY	(133-F866)	1,720.00
6.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LIBRARY-PERIODICALS MSN HS-MED PSYCHIATRY	(133-J433)	1,000.00

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## LIBRARIES

7.	MULTIPLE DONORS PRESERVATION OF AVIAN MATERIALS MSN LIBR STEENBOCK AG LIB	( 133-L376 )	1,000.00
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## MISCELLANEOUS

1.	FUNK, E. M. COLUMBIA, MO HALPIN HALL FUND MSN AG&LSC POULTRY SCIENCE	( TRUST )	100.00
2.	MOTOROLA, INC SPECIAL LETTERS AND SCIENCE FUND MSN L&S ADMINISTRATION	( TRUST )	4.48
3.	MULTIPLE DONORS ALLEN, PAUL J.--BOTANY LECTURES MSN L&S BOTANY	( TRUST )	35.00
4.	DEPARTMENT OF BACTERIOLOGY DISCRETIONARY FUND MSN AG&LSC BACTERIOLOGY	( TRUST )	
	100.00 TRITON BIOSCIENCES, INC ALAMEDA, CA		
	100.00 GENENTECH, INC SAN FRANCISCO, CA		
	848.50 MICHIGAN BIOTECHNOLOGY INSTITUTE LANSING, MI		
	300.00 ODAWARE RESEARCH CENTER TAKADA, ODAWARA, JAPAN		
			1,348.50
5.	ARNETT, CALVIN D. MANASSAS, VA MADISON CHANCELLOR'S SPECIAL FUND MSN G E A	( TRUST )	25.00
6.	MEDICAL ALUMNI ASSOCIATION MADISON, WI MORTENSEN, DR. OTTO A.--LECTURESHIP MSN HS-MED	( TRUST )	225.00
7.	MEDICAL ALUMNI ASSOCIATION MADISON, WI SULLIVAN, DR. WALTER--MEDICAL SCHOOL MSN HS-MED ANATOMY	( TRUST )	1,597.54
8.	MEDICAL ALUMNI ASSOCIATION MADISON, WI WIRKA, DR. HERMAN--LECTURESHIP MSN HS-MED SURGERY	( TRUST )	20.00
9.	MEDICAL ALUMNI ASSOCIATION MADISON, WI WEAR, JOHN B.--LECTURESHIP MSN HS-MED	( TRUST )	2,498.00



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MISCELLANEOUS

10.	MULTIPLE DONORS	\$ 25.00		
	MEDICAL ALUMNI ASSOCIATION	275.00		
	MADISON, WI			
	JOHNSON, R. O.--LECTURESHIP		( TRUST )	300.00
	MSN HS-MED HUMAN ONCOLOGY			
11.	MULTIPLE DONORS			
	MURPHY, Q. R.--LECTURESHIP IN PHYSIOLOGY		( TRUST )	50.00
	MSN HS-MED PHYSIOLOGY			
12.	FISH, SARAH A.			
	MADISON, WI			
	SISK, DR. IRA--MEMORIAL FUND		( TRUST )	100.00
	MSN HS-MED			
13.	AGRICULTURE, DEPT. OF			
	WASHINGTON, DC			
	IN SUPPORT OF THE FOLLOWING:			
1)	DEVELOPMENT AND OPERATION OF AGRICULTURAL			
	EXTENSION PROGRAMS-SECTION I AND SECTION II			
	FOR THE PERIOD 04-30-86 THROUGH 12-31-87			
	AT A TOTAL COST OF \$138,566.09			
	AWARD # 53-319R-6-053, MOD. 2			
	MSN AG&LSC INTL AG PRGS-ADM		( 144-X865 )	42,660.00
2)	TECHNICAL COURSE 140-32 KEYS TO AGRICULTURAL			
	DEVELOPMENT			
	FOR THE PERIOD 07-01-86 THROUGH 12-31-87			
	AT A TOTAL COST OF \$34,024.12			
	AWARD # 53-319R-6-031, MOD. 1			
	MSN AG&LSC INTL AG PRGS-ADM		( 144-Y020 )	17,222.00
14.	WISCONSIN ARTS BOARD			
	MADISON, WI			
	PRIME CONTRACTOR WITH NEA			
	TOUR OF WISCONSIN - MELROSE MOTION COMPANY			
	FOR THE PERIOD 01-01-87 THROUGH 06-30-87			
	AWARD # FY87-516-8310			
	MSN EDUC PHYS ED & DANCE		( 144-Y928 )	3,000.00
15.	NATIONAL SCIENCE FOUNDATION			
	WASHINGTON, DC			
	IN SUPPORT OF THE FOLLOWING:			
1)	MATHEMATICAL SCIENCES: RAMANUJAN CENTENARY			
	CONFERENCE: THE INFLUENCE OF RAMANUJAN,			
	UNIVERSITY OF ILLINOIS, JUNE 1-5, 1987			
	FOR THE PERIOD 02-01-87 THROUGH 09-30-87			
	AWARD # DMS-8613814			
	MSN L&S MATHEMATICS		( 144-Y936 )	23,000.00
2)	CONFERENCE ON ESTIMATION OF ECONOMETRIC MODELS			
	USING THE SUPERCOMPUTER: THEORY, COMPUTATION AND			
	EMPIRICAL APPLICATIONS - UW MADISON - JULY, 1987			
	FOR THE PERIOD 02-15-87 THROUGH 01-31-88			
	AWARD # SES-8618367			
	MSN L&S ECONOMICS		( 144-Y961 )	13,829.00

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## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

16.	UNIVERSITY SURGICAL ASSOCIATES MADISON, WI SUPPORT AUDIOLOGIST MSN HS-MED SURGERY	(133-A013)	41,926.00
17.	MULTIPLE DONORS DEFRAY SECRETARIAL, POSTAGE, TELEPHONE AND SUPPLIES EXPENSES ASSOCIATED WITH THE "LINEAR ALGEBRA AND ITS APPLICATIONS JOURNAL" MSN L&S MATHEMATICS	(133-A751)	500.00
18.	INDONESIA (REPUBLIC OF), MINISTRY OF EDUCATION AND CULTURE DIRECTORATE GENERAL OF HIGHER EDUCATION SURABAYA, INDONESIA STAFF TRAINING FELLOWSHIPS FOR INSTITUTE OF TECHNOLOGY SURABAYA FACULTY MSN ENGR ENGR EXPR STA INTL ENGRG	(133-B400)	21,366.54
19.	MULTIPLE DONORS WISCONSIN LIONS EYE BANK- SPECIAL ACCOUNT MSN HS-HSP ADMINISTRATION ADMIN	(133-C007)	50.00
20.	UNIVERSITY SURGICAL ASSOCIATES MADISON, WI SURGICAL ASSOCIATES ACCOUNT EXAMINER SALARY SUPPORT MSN HS-MED SURGERY	(133-C334)	34,456.00
21.	MULTIPLE DONORS GENERAL ACTIVITY SUPPORT OF THE SPOONER EXPERIMENT STATION MSN AG&LSC SPOONER RES STA	(133-E067)	40.00
22.	MEDICAL COLLEGE OF WISCONSIN MILWAUKEE, WI DEPARTMENT OF MEDICINE DISCRETIONARY FUND MSN HS-MED MEDICINE	(133-E309)	4,257.20
23.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI ADMINISTRATIVE AND CLERICAL SUPPORT STAFF IN THE DEPARTMENT OF NEUROLOGY MSN HS-MED NEUROLOGY	(133-E647)	1,348.14
24.	ARTHUR W STRELOW CHARITABLE TRUST MADISON, WI DEFRAY COST OF COMMUNICATION AIDS FOR PATIENTS IN THE COMMUNICATIVE DISORDERS CLINIC MSN HS-HSP ADMINISTRATION ADMIN	(133-E849)	1,695.00
25.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DISCRETIONARY ACCOUNT FOR THE DEPARTMENT OF INDUSTRIAL ENGINEERING MSN ENGR INDUSTRIAL ENGR	(133-F084)	365.65

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## MISCELLANEOUS

26.	UNIVERSITY HOSPITAL INTERNISTS MADISON, WI UNIVERSITY HOSPITAL INTERNISTS' PROGRAM SUPPORT MSN HS-MED MEDICINE (133-F102)	40,000.00
27.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU (133-F665)	1,250.00
28.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU (133-F666)	1,250.00
29.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU (133-F667)	1,250.00
30.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU (133-F668)	1,250.00
31.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU (133-F669)	1,250.00
32.	RESEARCH IN NURSING AND HEALTH CHICAGO, IL EDITORIAL EXPENSES OF PROFESSIONAL JOURNAL MSN HS-NUR (133-F673)	900.00
33.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S DISCRETIONARY FUND MSN FR&CS FAM RSRC&CNSM SC FAM RSRC&C (133-F709)	780.00
34.	MULTIPLE DONORS RESTOR PROGRAM (RESPIRATORY EDUCATION AND SERVICE THROUGH ORGANIZED RESOURCES) MSN HS-HSP ADMINISTRATION ADMIN (133-F875)	113.75
35.	MULTIPLE DONORS MUSEUM DISCRETIONARY ACCOUNT MSN L&S GEOL & GEOPHYSCS (133-GO11)	600.00
36.	PROVIDE TEMPORARY HOUSING FOR PATIENTS AND THEIR FAMILIES MSN HS-HSP ADMINISTRATION ADMIN (133-GO47)	
	2,814.95 FRIENDS OF UNIVERSITY HOSPITAL & CLINICS MADISON, WI	
	100.00 MULTIPLE DONORS	

2,914.95

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37.	CREMER FOUNDATION, INC. MADISON, WI FRONTIERS IN AGING LECTURE SERIES MSN GRAD INST-AGING&ADULT	(133-G161)	1,000.00
38.	MULTIPLE DONORS DISCRETIONARY FOR USE OF PHYSIOLOGISTS IN BOTANY MSN L&S BOTANY	(133-G608)	300.45
39.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CENTER FOR HEALTH ECONOMICS AND LAW EXPENSES MSN L&S ECONOMICS	(133-G682)	3,000.00
40.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHAIRMAN'S DISCRETIONARY FUND MSN L&S METEOROLOGY	(133-G869)	480.00
41.	ABBOTT LABORATORIES NORTH CHICAGO, IL DEPARTMENTAL SEMINAR PROGRAM MSN L&S CHEMISTRY	(133-G877)	2,000.00
42.	MULTIPLE DONORS CHAIRMAN'S DISCRETIONARY ACCOUNT MSN AG&LSC NR-LANDSCAP ARCH	(133-G984)	56.74
43.	MULTIPLE DONORS CAMPUS CRIMEWATCH MSN BUS SV RSK MG & PROPT C RSK MG & P	(133-H071)	125.00
44.	MULTIPLE DONORS DISCRETIONARY GRANT FOR BIOMEDICAL ENGINEERING MSN HS-MED MEDICAL PHYSICS	(133-H073)	100.00
45.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU	(133-H602)	1,250.00
46.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S DISCRETIONARY ACCOUNT - MARKETING MSN BUS SCH OF BUSINESS	(133-J188)	5,669.76
47.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHAIRMAN'S SUPPORT FUND MSN HS-MED PSYCHIATRY	(133-J435)	500.00
48.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CORLISS LAMONT PEACE STUDIES MSN G E A INTL STU & PROGS	(133-J479)	5,000.00

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49.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CLINICAL GENETICS PROGRAM DISCRETIONARY FUND MSN HS-MED GENET CLIN PROG (133-J734)	845.50
50.	NATIONAL ASSOCIATION OF PROFESSORS OF HEBREW MADISON, WI SECRETARY/TREASURER ASSOCIATION EXPENSES MSN L&S HEBREW & SEM STU (133-J775)	1,000.00
51.	MULTIPLE DONORS CONTINUING MEDICAL EDUCATION MSN HS-MED PEDIATRICS (133-J859)	10.00
52.	AMERICAN ECONOMIC ASSOCIATION PRINCETON, NJ COSTS OF EDITING "AMERICAN ECONOMIC REVIEW" MSN L&S INST-RES ON POV (133-K129)	12,022.06
53.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DISCRETIONARY FUND FOR SPECIAL REQUESTS MSN HS-MED (133-K244)	15,000.00
54.	OSCAR MAYER & CO., INC. MADISON, WI UNRESTRICTED FUND IN PEDIATRICS MSN HS-HSP ADMINISTRATION ADMIN (133-K273)	526.50
55.	MULTIPLE DONORS THE HELEN IVERSON MEMORIAL FUND MSN HS-MED ONCOLOGY (133-K674)	130.00
56.	MULTIPLE DONORS DIABETES RESEARCH & EDUCATION MSN HS-MED MEDICINE ENDOCRINOL (133-K746)	500.00
57.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI BIODYNAMICS LABORATORY EQUIPMENT AND SUPPLY FUND MSN EDUC PHYS ED & DANCE BIODYN LAB (133-K748)	4,000.00
58.	CAMBRIDGE UNIVERSITY PRESS NEW YORK, NY EDITORIAL SUPPORT FOR "PSYCHOLOGY OF WOMEN QUARTERLY" MSN L&S PSYCHOLOGY (133-K768)	3,625.00
59.	AMERICAN PSYCHOLOGICAL ASSOCIATION WASHINGTON, DC APA JOURNALS: EDITORIAL OFFICE EXPENSES FOR THE PERIOD 08-29-86 THRU 08-31-87 MSN L&S PSYCHOLOGY (133-K862)	1,270.00
60.	MULTIPLE DONORS MED FLIGHT SPECIAL PROGRAM NEEDS MSN HS-HSP ADMINISTRATION ADMIN (133-L094)	1,925.00

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61.	MULTIPLE DONORS DEPARTMENTAL DISCRETIONARY FUND MSN AG&LSC POULTRY SCIENCE	(133-LO97)	25.00
62.	BRITTINGHAM FUND, INC. WILMINGTON, DE RADIO PROGRAMS ON SCIENCES, ARTS AND HUMANITIES MSN AG&LSC AG JOURNALISM	(133-L311)	9,700.00
63.	LIGGETT (MARY AND JIM) PLANO, IL NURSING/PATIENT EDUCATION AND PATIENT SERVICES MSN HS-HSP ADMINISTRATION ADMIN	(133-L368)	5,000.00
64.	MULTIPLE DONORS EDUCATION FOR RENAL DIALYSIS NURSING STAFF MSN HS-HSP ADMINISTRATION ADMIN	(133-L369)	100.00
65.	HISTORY OF SCIENCE SOCIETY NEW YORK, NY ISIS CUMULATIVE BIBLIOGRAPHY, 1976-1985 MSN L&S HISTORY OF SCI	(133-L370)	8,336.00
66.	SCHOOL OF BUSINESS DEAN'S DISCRETIONARY GRANT MSN BUS SCH OF BUSINESS	(133-0179)	
	375.00 MULTIPLE DONORS		
	1,500.00 SOCIETY OF ACTUARIES		
	7,500.00 UNIVERSITY OF WISCONSIN FOUNDATION		
	MADISON, WI		9,375.00
67.	WISCONSIN LAW ALUMNI ASSOCIATION MADISON, WI LAW SCHOOL DEAN'S UNRESTRICTED FUND MSN LAW LAW SCHOOL	(133-2128)	3,266.73
68.	MULTIPLE DONORS CONSORTIUM FOR GRADUATE STUDY IN MANAGEMENT MSN BUS SCH OF BUSINESS	(133-5984)	2,100.00
69.	MULTIPLE DONORS UNRESTRICTED SUPPORT OF RADIOTHERAPY PROGRAMS IN MEMORY OF FRANK F GOLLIN, M.D. MSN HS-MED HUMAN ONCOLOGY	(133-6225)	2,450.00
70.	UNIVERSITY OBSTETRICS-GYNECOLOGY ASSOCIATES MADISON, WI SUPPORT OPERATIONS OF GYNECOLOGY-OBSTETRICS ASSOCIATES MSN HS-MED OBSTET & GYNECOL	(133-6296)	50,000.00
71.	SUPPORT ACTIVITIES OF THE DEPARTMENT OF OPHTHALMOLOGY MSN HS-MED OPTHALMOLOGY	(133-6979)	
	325.12 MULTIPLE DONORS		
	1,075.00 UNIVERSITY OF WISCONSIN FOUNDATION		
	MADISON, WI		1,400.12

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72.	MULTIPLE DONORS UNRESTRICTED GRANT IN THE FIELD OF DERMATOLOGY DEPARTMENT OF MEDICINE MSN HS-MED MEDICINE	(133-7106)	350.00
73.	KOHLER FOUNDATION, INC. KOHLER, WI ENGLISH DEPARTMENT CHAIRMAN'S DISCRETIONARY GRANT MSN L&S ENGLISH	(133-7849)	2,500.00
74.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF CHEMICAL ENGINEERING CHAIRMAN'S DISCRETIONARY GRANT MSN ENGR CHEMICAL ENGR	(133-8366)	10,000.00
75.	MULTIPLE DONORS BLUE BUS CLINIC OPERATION MSN HS-UHS HEALTH SVC-MISC	(133-8650)	25.00
76.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOOL OF JOURNALISM AND MASS COMMUNICATION DISCRETIONARY ACCOUNT MSN L&S JOURN & MASS COM	(133-9465)	300.00

## RESEARCH

1.	ABBOTT LABORATORIES ABBOTT PARK, IL CLINICAL STUDY AGREEMENT MSN HS-HYG IMMUNOLOGY	S T D PANL	
2.	DELAWARE (UNIVERSITY OF) NEWARK, DELAWARE AGREEMENT TO ISOLATE AND PURIFY CHICKEN INSULIN-LIKE GROWTH FACTORS MSN GRAD BIOTECHNOLGY CTR PROT BIOSP		
3.	SALK INSTITUTE SAN DIEGO, CA AGREEMENT FOR RESEARCH INVOLVING BIOLOGICAL MATERIALS MSN AG&LSC AGRONOMY		
4.	GENENTECH, INC. SOUTH SAN FRANCISCO, CA AGREEMENT TO EVALUATE RECOMBINANT HUMAN TUMOR NECROSIS FACTOR-ALPHA MSN VET M MEDICAL SCIENCES		
5.	SOUTHERN LAKES CONTRACTORS ASSOCIATION WALWORTH, WI COLLINS, HORACE--LEUKEMIA RESEARCH MSN HS-MED MEDICINE	HEMATOLOGY ( TRUST )	270.00

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## RESEARCH

6.	UNIVERSITY OF WISCONSIN FOUNDATION UROLOGY RESEARCH FUND MSN HS-MED SURGERY	UROLOGY	( TRUST )	10,000.00-
7.	DU PONT AND COMPANY WILMINGTON, DE CHEMISTRY RESEARCH FUND MSN L&S CHEMISTRY		( TRUST )	300.00
8.	HUMAN ONCOLOGY GENERAL RESEARCH SUPPORT-- DR. TORMEY MSN HS-MED HUMAN ONCOLOGY		( TRUST )	
	1,025.00	TORMEY, DR. WESTON AND MARION MADISON, WI		
	4,122.00	ABBOTT LABORATORIES NORTH CHICAGO, IL		
				5,147.00
9.	LATTON, HOWARD TRUSTEE PORTAGE, WI AHLORN, THERESE AHLORN, MARY (THERESE)--MENTAL HEALTH RESEARCH AND TREATMENT MSN HS-MED PSYCHIATRY		( TRUST )	7,000.00
10.	INLANDER, DAVID AND BETH CHICAGO, IL HUMAN ONCOLOGY DISCRETIONARY ACCOUNT MSN HS-MED HUMAN ONCOLOGY		( TRUST )	100.00
11.	COMPUTER SCIENCES DEPARTMENT-FACULTY RESEARCH GRANT MSN L&S COMPUTER SCI		( TRUST )	
	12,500.00	MICROELECTRONICS AND COMPUTER TECH AUSTIN, TX TO BE USED IN SUPPORT OF RESEARCH ACTIVITIES IN CONJUNCTION WITH DISCRETE EVENT NETWORK (DENET) SIMULATION LANGUAGE		
				12,500.00
12.	JONES, MAURICE B.--CANCER RESEARCH MSN HS-MED		( TRUST )	
	66,075.09	STORCH, JOSEPH A. ESTATE MILWAUKEE, WI		
	14,956.38	ALEXIAN VILLAGE STORCH, JOSEPH ESTATE SCHNELLBAECHER AND VAN WAGENEN MILWAUKEE, WI		\$14673.82
		STORCH, JOSEPH ESTATE		282.56
				81,031.47



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## RESEARCH

13.	WILSON, ESTHER S. CLEARWATER, FL SCHEEL, MR. AND MRS. CHARLES E.--CANCER RESEARCH MSN HS-MED HUMAN ONCOLOGY	( TRUST )	100.00
14.	WISCONSIN CLINICAL CANCER CENTER-RESEARCH MSN HS-MED HUMAN ONCOLOGY	( TRUST )	
	868.00	MULTIPLE DONOR	
	495.00	MULTIPLE DONORS	
	2,720.25	MULTIPLE DONORS	
			4,083.25
15.	IMMUNOMODULATOR RESEARCH FUND MSN HS-MED HUMAN ONCOLOGY	( TRUST )	
	155.00	MULTIPLE DONORS	
	1,615.00	BOWLES, GLENN AND JANE HUDSON, NH	\$ 500.00
		MULTIPLE DONORS	1115.00
			1,770.00
16.	STUART PHARMACEUTICALS WILMINGTON, DE HUMAN ONCOLOGY GENERAL RESEARCH SUPPORT-- DR. TORMEY MSN HS-MED HUMAN ONCOLOGY	( TRUST )	3,000.00
17.	COHEN, BRUCE I SAN FRANCISCO, CA COHEN, BENJAMIN PAUL--MEMORIAL MSN HS-MED HUMAN ONCOLOGY	( TRUST )	1,000.00
18.	ENGELIEN, ARLID TRUSTEE TREMPEALEAU, WI GIBSON, WILLIAM H. TRUST GIBSON, WILLIAM H.--CANCER RESEARCH FUND MSN HS-MED	( TRUST )	1,278.05
19.	STUART PHARMACEUTICALS WILMINGTON, DE DIVISION OF ICI AMERICA, INC PRINCIPAL AND INCOME AVAILABLE FOR GENITO- URINARY CANCER RESEARCH GENITO-URINARY RESEARCH FUND MSN HS-MED HUMAN ONCOLOGY	( TRUST )	3,000.00
20.	AGRICULTURE, DEPT. OF HYATTSVILLE, MD IDENTIFICATION AND CHARACTERIZATION OF VELOGENIC VISCEROTOPIC NEWCASTLE DISEASE FOR THE PERIOD 10-01-86 THROUGH 09-30-87 AT A TOTAL COST OF \$15,000.00 AWARD # COOP AGR 12-16-93-033, MOD. 1 MSN AG&LSC VETERINARY SCI	( 144-Y827 )	5,000.00

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21. AGRIC, FOREST SERVICE  
MADISON, WI  
IN SUPPORT OF THE FOLLOWING:
- 1) EXAMINE THE POTENTIAL OF CONVEYING WOOD QUALITY  
CHARACTERISTICS VIA BIOTECHNOLOGICAL TECHNIQUES  
FOR THE PERIOD 01-01-87 THROUGH 06-30-88  
AWARD # FP-87-0900  
MSN AG&LSC HORTICULTURE (144-Y907) 11,000.00
  - 2) RELIABILITY OF LIGHT FRAME ROOF SYSTEMS  
FOR THE PERIOD 01-01-87 THROUGH 08-31-89  
AWARD # FP-87-0899  
MSN ENGR ENGR EXPER STA CIVIL&ENV (144-Y912) 120,775.00
22. AGRIC, SCIENCE AND EDUCATION ADMIN.  
WASHINGTON, DC  
CURRICULAR INNOVATION FOR 2005--A REVITALIZATION  
FOR THE PERIOD 04-21-86 THROUGH 04-30-88  
AT A TOTAL COST OF \$32,500.00  
AWARD # 58-3159-6-15, MOD. 1  
MSN AG&LSC ACAD STU AFF ADM (144-Y074) 22,500.00
23. EDUCATION, DEPT OF  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:
- 1) NIE CENTER ON EFFECTIVE SECONDARY SCHOOLS  
(INSTITUTIONAL FUNCTIONS)  
(FORMERLY DERI-G-86-0007)  
FOR THE PERIOD 12-01-85 THROUGH 11-30-90  
AT A TOTAL COST OF \$468,930.00  
AWARD # GO08690007, MOD. 2  
MSN EDUC WIS CTR EDUC RES (144-X463) 264,005.00
  - 2) NIE CENTER ON EFFECTIVE SECONDARY SCHOOLS  
(ACADEMIC ACHIEVEMENT)  
(FORMERLY DERI-G-86-0007)  
FOR THE PERIOD 12-01-85 THROUGH 11-30-90  
AT A TOTAL COST OF \$523,670.00  
AWARD # GO08690007, MOD. 2  
MSN EDUC WIS CTR EDUC RES (144-X464) 269,783.00
  - 3) NIE CENTER ON EFFECTIVE SECONDARY SCHOOLS  
(HIGHER ORDER THINKING)  
(FORMERLY DERI-G-86-0007)  
FOR THE PERIOD 12-01-85 THROUGH 11-30-90  
AT A TOTAL COST OF \$324,845.00  
AWARD # GO08690007, MOD. 2  
MSN EDUC WIS CTR EDUC RES (144-X465) 129,631.00
  - 4) NIE CENTER ON EFFECTIVE SECONDARY SCHOOLS  
(AT RISK STUDENT)  
(FORMERLY DERI-G-86-0007)  
FOR THE PERIOD 12-01-85 THROUGH 11-30-90  
AT A TOTAL COST OF \$345,728.00  
AWARD # GO08690007, MOD. 2  
MSN EDUC WIS CTR EDUC RES (144-X466) 191,077.00

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- 5) NIE CENTER ON EFFECTIVE SECONDARY SCHOOLS  
(STAFF WORKING CONDITIONS)  
(FORMERLY OERI-G-86-0007)  
FOR THE PERIOD 12-01-85 THROUGH 11-30-90  
AT A TOTAL COST OF \$333,316.00  
AWARD # GO08690007, MOD. 2  
MSN EDUC WIS CTR EDUC RES (144-X467) 180,056.00
- 6) NIE CENTER ON EFFECTIVE SECONDARY SCHOOLS  
(SCHOOL CHANGE)  
(FORMERLY OERI-G-86-0007)  
FOR THE PERIOD 12-01-85 THROUGH 11-30-90  
AT A TOTAL COST OF \$183,468.00  
AWARD # GO08690007, MOD. 2  
MSN EDUC WIS CTR EDUC RES (144-X468) 65,412.00
24. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM  
ROCKVILLE, MD  
IN SUPPORT OF THE FOLLOWING:
- 1) PSYCHOSOCIAL RISK FACTORS FOR DEPRESSION  
FOR THE PERIOD 03-01-87 THROUGH 02-29-88  
AWARD # 5 R23 MH41287-02  
MSN GRAD INST-AGING&ADULT (144-Y934) 53,194.00
- 2) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH  
SERVICE AWARD  
FOR THE PERIOD 02-01-87 THROUGH 01-31-88  
AWARD # 1 F32 DAO5307-01  
MSN HS-MED PHARMACOLOGY (144-Y952) 20,004.00
- 3) LONG TERM COMMUNITY TREATMENT OF YOUNG  
SCHIZOPHRENICS  
FOR THE PERIOD 03-01-87 THROUGH 02-29-88  
AWARD # 5 R01 MH40886-02  
MSN L&S SOCIAL WORK (144-Y963) 192,953.00
25. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH  
BETHESDA, MD  
IN SUPPORT OF THE FOLLOWING:
- 1) STRUCTURE AND REPLICATION OF DNA  
FOR THE PERIOD 01-01-86 THROUGH 07-31-87  
AT A TOTAL COST OF \$245,953.00  
AWARD # 3 R01 GM14711-20S1, MOD. 1  
MSN GRAD BIOPHYSICS (144-X482) 59,800.00
- 2) INDIVIDUAL AGING, INSTITUTIONALIZATION OF THE  
LIFE COURSE AND SOCIAL CHANGE  
FOR THE PERIOD 02-01-86 THROUGH 01-31-87  
AT A TOTAL COST OF \$538,147.00  
AWARD # 5 P01 AGO4877-02, MOD. 2  
MSN GRAD INST-AGING&ADULT (144-X549) 16,559.00
- 3) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH  
SERVICE AWARD  
(REDUCTION DUE TO EARLY TERMINATION OF FELLOW)  
FOR THE PERIOD 02-18-86 THROUGH 12-31-86  
AT A TOTAL COST OF \$17,673.00  
AWARD # 5 F32 CAO7652-02, MOD. 1  
MSN HS-MED ONCOLOGY (144-X602) 2,331.00-

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|-----|---|------------|------------|
| 4)  | CANCER CENTER SUPPORT AT THE MCARDLE LABORATORY<br>FOR THE PERIOD 03-01-86 THROUGH 02-28-87<br>AT A TOTAL COST OF \$2,207,155.00<br>AWARD # 5 P30 CA07175-23, MOD. 3<br>MSN HS-MED ONCOLOGY | (144-X636) | 32,500.00  |
| 5)  | TOXOCARA INFECTION AND OCULAR DISEASE<br>FOR THE PERIOD 07-01-86 THROUGH 06-30-87<br>AT A TOTAL COST OF \$82,826.00<br>AWARD # 3 RO1 EY05677-03S1, MOD. 1<br>MSN VET M PATHOBIOLGCL SCI     | (144-Y186) | 1,635.00   |
| 6)  | GENERAL CLINICAL RESEARCH CENTER<br>FOR THE PERIOD 12-01-86 THROUGH 11-30-87<br>AWARD # 5 MO1 RR03186-02<br>MSN HS-MED ADMINISTRATION DEANS OFFC  | (144-Y765) | 184,024.00 |
| 7)  | GENERAL CLINICAL RESEARCH CENTER<br>FOR THE PERIOD 12-01-86 THROUGH 11-30-87<br>AWARD # 5 MO1 RR03186-02<br>MSN HS-HSP NURSING SERVICE HDSP CRC U   | (144-Y767) | 602,993.00 |
| 8)  | T LYMPHOCYTE HYBRIDS & LYMPHOBLASTOID VARIANTS<br>FOR THE PERIOD 12-01-86 THROUGH 11-30-87<br>AWARD # 5 RO1 AI15486-09<br>MSN HS-MED GENETICS   | (144-Y774) | 212,471.00 |
| 9)  | STRUCTURE AND SYNTHESIS OF RETRO- AND<br>NODAVIRUSES<br>FOR THE PERIOD 12-01-86 THROUGH 11-30-87<br>AWARD # 5 R37 AI22813-21<br>MSN GRAD BIOPHYSICS   | (144-Y776) | 176,161.00 |
| 10) | CONTROL PROCESSES IN MAMMALIAN CELLS<br>FOR THE PERIOD 01-01-87 THROUGH 12-31-87<br>AWARD # 5 RO1 DK10334-22<br>MSN GRAD ENZYME INSTITUTE   | (144-Y790) | 353,758.00 |
| 11) | NORMAL FERTILIZATION AND PREIMPLANTATION GROWTH<br>IN VITRO<br>FOR THE PERIOD 12-01-86 THROUGH 11-30-87<br>AWARD # 5 UO1 HD22023-02<br>MSN AG&LSC VETERINARY SCI                            | (144-Y792) | 202,053.00 |
| 12) | EGG MEDIATED MOTILITY DURING FERTILIZATION<br>FOR THE PERIOD 12-01-86 THROUGH 11-30-87<br>AT A TOTAL COST OF \$98,075.00<br>AWARD # 2 RO1 HD12913-08, MOD. 1<br>MSN L&S ZOOLOGY             | (144-Y814) | 1,589.00   |
| 13) | SYNTHESIS AND FUNCTION OF MEMBRANE PHOSPHOLIPIDS<br>FOR THE PERIOD 01-01-87 THROUGH 12-31-87<br>AWARD # 5 RO1 DK19551-11<br>MSN AG&LSC BIOCHEMISTRY   | (144-Y846) | 188,083.00 |

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14)	ALTERATIONS OF METABOLISM IN ISCHEMIC MYOCARDIUM FOR THE PERIOD 01-01-87 THROUGH 12-31-87 AWARD # 5 RO1 HL32350-04 MSN HS-MED MEDICINE	CARDIOLOGY	(144-Y871)	142,840.00
15)	RESEARCH CAREER DEVELOPMENT AWARD FOR THE PERIOD 01-01-87 THROUGH 12-31-87 AWARD # 5 K06 AI21942-24 MSN GRAD	BIOPHYSICS	(144-Y874)	33,210.00
16)	INDIVIDUAL AGING, INSTITUTIONALIZATION OF THE LIFE COURSE AND SOCIAL CHANGE FOR THE PERIOD 02-01-87 THROUGH 01-31-88 AWARD # 5 PO1 AG04877-03 MSN GRAD	INST-AGING&ADULT	(144-Y875)	487,940.00
17)	MEASURING DIETARY FIBER FOR THE PERIOD 02-01-87 THROUGH 01-31-88 AWARD # 2 RO1 DK21712-08 MSN AG&LSC	NUTRITIONAL SCI	(144-Y903)	146,848.00
18)	INTERNATIONAL RESEARCH FELLOWSHIP FOR THE PERIOD 02-01-87 THROUGH 01-31-88 AWARD # 1 FO5 TWO3808-01 MSN AG&LSC	BIOCHEMISTRY	(144-Y914)	28,000.00
19)	POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD FOR THE PERIOD 02-01-87 THROUGH 01-31-88 AWARD # 1 F32 HDO6973-01 MSN AG&LSC	BIOCHEMISTRY	(144-Y922)	24,996.00
20)	STUDIES ON THE HALOGENATED AROMATIC HYDROCARBONS FOR THE PERIOD 02-01-87 THROUGH 01-31-88 AWARD # 5 RO1 ESO1884-11 MSN HS-MED	ONCOLOGY	(144-Y923)	215,837.00
21)	CONTROL MECHANISMS IN INTERMEDIARY METABOLISM FOR THE PERIOD 02-01-87 THROUGH 01-31-88 AWARD # 5 RO1 GM14033-20 MSN HS-MED	MEDICINE	ENDOCRINOL (144-Y926)	106,976.00
22)	POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD FOR THE PERIOD 03-01-87 THROUGH 02-29-88 AWARD # 1 F32 GM11569-01 MSN GRAD	MOLECULAR BIOL	(144-Y935)	24,996.00
23)	TRANSFORMATION IN VITRO OF HUMAN UROEPITHELIAL CELLS FOR THE PERIOD 02-01-87 THROUGH 01-31-88 AWARD # 2 RO1 CA29525-07 MSN HS-MED	HUMAN ONCOLOGY	CLIN ONCOL (144-Y938)	155,641.00
24)	MOLECULAR ANALYSIS OF CARCINOGEN-INDUCED MUTATIONS FOR THE PERIOD 03-01-87 THROUGH 02-29-88 AWARD # 5 RO1 CA37166-04 MSN HS-MED	ONCOLOGY	(144-Y955)	105,303.00

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- 25) THE ROLE OF THE LOCUS CERULEUS IN SENSORIMOTOR  
CORTEX INJURY  
FOR THE PERIOD 02-01-87 THROUGH 01-31-88  
AWARD # 5 R23 NS23003-02  
MSN HS-MED REHABIL MEDICINE (144-Y956) 46,391.00
- 26) IGG1 AND IGE RECEPTOR MECHANISMS IN LUNG  
FOR THE PERIOD 02-01-87 THROUGH 01-31-88  
AWARD # 5 RO1 HL33237-03  
MSN HS-MED MEDICINE RHEUMATOL (144-Y959) 64,542.00
- 27) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH  
SERVICE AWARD  
FOR THE PERIOD 03-01-87 THROUGH 02-29-88  
AWARD # 5 F32 AG05340-03  
MSN HS-MED PHYSIOLOGY (144-Y960) 24,996.00
- 28) PH SENSITIVE LIPOSOMES FOR DRUG DELIVERY  
FOR THE PERIOD 02-01-87 THROUGH 01-31-88  
AWARD # 5 RO1 GM31459-03  
MSN HS-MED HUMAN ONCOLOGY RAD BIOL (144-Y962) 72,489.00
26. HARVARD UNIVERSITY  
CAMBRIDGE, MA  
PRIME CONTRACTOR WITH DHHS PHS NIH  
AIR QUALITY AND LUNG HEALTH IN PORTAGE, WI  
FOR THE PERIOD 11-01-86 THROUGH 07-31-87  
AWARD # AGR DTD 01/12/87  
MSN ENV ST CT HUMAN SYSTEMS (144-Y925) 13,122.00
27. DOD, NAVY  
ARLINGTON, VA  
IN SUPPORT OF THE FOLLOWING:
- 1) ARCTIC OCEAN SEDIMENT STUDIES  
FOR THE PERIOD 10-01-81 THROUGH 09-30-87  
AT A TOTAL COST OF \$255,627.00  
AWARD # NO0014-82-K-0003, MOD. 6  
MSN L&S GEOL & GEOPHYSICS (144-R584) 20,000.00
- 2) ACOUSTIC SCATTERING FROM THE UNDERSIDE OF SEA ICE  
FOR THE PERIOD 09-01-84 THROUGH 09-30-87  
AT A TOTAL COST OF \$178,398.00  
AWARD # NO0014-84-K-0611, MOD. 3  
MSN ENV ST MARINE STUDIES C (144-U777) 74,615.00
- 3) EXCITED-STATE PROPERTIES OF SEMICONDUCTOR  
ELECTRODES AND THEIR APPLICATION TO OPTICAL  
ENERGY CONVERSION  
FOR THE PERIOD 07-01-85 THROUGH 06-30-88  
AT A TOTAL COST OF \$260,650.00  
AWARD # NO0014-85-K-0631, MOD. 3  
MSN L&S CHEMISTRY (144-W884) 84,000.00
- 4) CHARLOTTE/EXTENSIBLE DATABASE SYSTEMS  
FOR THE PERIOD 08-21-85 THROUGH 08-20-87  
AT A TOTAL COST OF \$966,383.00  
AWARD # NO0014-85-K-0788, MOD. 2  
MSN L&S COMPUTER SCI (144-X125) 206,383.00

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28. ENERGY, DEPT OF  
ARGONNE, IL  
IN SUPPORT OF THE FOLLOWING:
- 1) EXPERIMENTAL AND THEORETICAL  
HIGH ENERGY PHYSICS  
FOR THE PERIOD 04-01-80 THROUGH 12-31-88  
AT A TOTAL COST OF \$54,353,876.00  
AWARD # DE-ACO2-76ERO0881, MOD. 34  
MSN L&S PHYSICS (144-E164) 3,850,000.00
  - 2) INVESTIGATION OF RF HEATING FOR TANDEM MIRROR  
EXPERIMENTS AND REACTORS  
FOR THE PERIOD 10-01-77 THROUGH 09-30-87  
AT A TOTAL COST OF \$13,718,692.00  
AWARD # DE-ACO2-78ET51015, MOD. 25  
MSN ENGR ENGR EXPER STA NUCL ENGR (144-K783) 1,300,000.00
  - 3) DEVELOPMENT OF POLARIZED ION BEAMS AND POLARIZED  
GAS TARGETS  
FOR THE PERIOD 02-01-87 THROUGH 01-31-88  
AWARD # DE-FGO2-86ER40266, MOD. 1  
MSN L&S PHYSICS (144-Y918) 55,502.00
  - 4) DEVELOPMENT OF POLARIZED ION BEAMS AND POLARIZED  
GAS TARGETS  
FOR THE PERIOD 02-01-87 THROUGH 01-31-88  
AWARD # DE-FGO2-86ER40266, MOD. 1  
MSN L&S PHYSICS (144-Y919) 109,996.00
  - 5) FAST NEUTRON DOSIMETRY  
FOR THE PERIOD 02-01-87 THROUGH 01-31-88  
AWARD # DE-FGO2-86ER60417  
MSN HS-MED MEDICAL PHYSICS (144-Y920) 105,000.00
  - 6) FAST NEUTRON KERMA MEASUREMENTS  
FOR THE PERIOD 02-15-87 THROUGH 02-14-88  
AWARD # DE-FGO2-84ER40183, MOD. 3  
MSN HS-MED MEDICAL PHYSICS (144-Y958) 40,000.00
29. E G & G IDAHO, INC  
IDAHO FALLS, ID  
PRIME CONTRACTOR WITH DOE  
STEAM GENERATOR TUBE RUPTURE FOR A LIQUID METAL-  
WATER SYSTEM: RELIABILITY AND PHENOMENOLOGICAL  
MODELLING  
FOR THE PERIOD 07-11-83 THROUGH 10-31-87  
AT A TOTAL COST OF \$114,313.00  
AWARD # C83-100174, MOD. 6  
MSN ENGR ENGR EXPER STA NUCL ENGR (144-T613) 31,500.00
30. ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC  
NITRATE MOBILITY AND NITRATE CYCLING  
FOR THE PERIOD 10-01-86 THROUGH 09-30-87  
AT A TOTAL COST OF \$111,646.00  
AWARD # CR813624-01-0, MOD. 1  
MSN AG&LSC N RSRCS-FORESTRY (144-Y570) 61,646.00

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31. WI DEPT INDUSTRY, LABOR & HUMAN RELATIONS  
MADISON, WI  
PRIME CONTRACTOR WITH LABOR  
PERMANENT MASS LAYOFFS AND PLANT CLOSINGS  
FOR THE PERIOD 01-09-87 THROUGH 06-15-87  
AWARD # PO #ILG-01738  
MSN L&S URBAN & REG PLAN (144-Y889) 16,305.21
32. NATIONAL AERONAUTICS AND SPACE ADMIN  
HAMPTON, VA  
A CONTINENTAL MIDDLE AND HIGH CLOUD PROJECT  
FOR FIRE  
FOR THE PERIOD 01-01-85 THROUGH 12-31-86  
AT A TOTAL COST OF \$62,134.00  
AWARD # NAG1-553, MOD. 3  
MSN GRAD SPACE SCI&ENG CT (144-W272) 2,000.00
33. NATIONAL AERONAUTICS AND SPACE ADMIN  
HOUSTON, TX  
METEOROLOGICAL INTERACTIVE DISPLAY SYSTEM-II  
FOR THE PERIOD 05-15-86 THROUGH 05-31-87  
AT A TOTAL COST OF \$1,870,000.00  
AWARD # NAS9-17642, MOD. 3S  
MSN GRAD SPACE SCI&ENG CT (144-X916) 770,000.00
34. LOCKHEED, EMSCO  
HOUSTON, TX  
PRIME CONTRACTOR WITH NASA  
SPACE STATION ENVIRONMENTAL IMPACT AND HAZARD  
ANALYSIS  
FOR THE PERIOD 07-14-86 THROUGH 03-31-87  
AT A TOTAL COST OF \$245,030.00  
AWARD # PO #O200113257, MOD. 1  
MSN ENGR ENGR EXPER STA MECHANICS (144-Y407) 115,030.00
35. UNIVERSITIES SPACE RESEARCH PROGRAM  
HOUSTON, TX  
PRIME CONTRACTOR WITH NASA  
ADVANCED MISSIONS SPACE DESIGN PROGRAM  
FOR THE PERIOD 09-15-86 THROUGH 06-15-87  
AWARD # AGR DTD 09-16-86  
MSN ENGR ENGR EXPER STA MECHANICS (144-Y927) 22,484.00
36. NASA, GODDARD SPACE FLIGHT CENTER  
GREENBELT, MD  
HIGH RESOLUTION INTERFEROMETER SOUNDER (HIS)  
PHASE II  
FOR THE PERIOD 05-13-83 THROUGH 03-31-87  
AT A TOTAL COST OF \$927,879.00  
AWARD # NAS5-27608, MOD. 14  
MSN GRAD SPACE SCI&ENG CT (144-T213) 25,365.00
37. NATIONAL ENDOWMENT FOR THE HUMANITIES  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:



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- |     |   |            |            |
|-----|---|------------|------------|
| 1)  | THE DOCUMENTARY HISTORY OF THE RATIFICATION OF<br>THE CONSTITUTION AND THE DOCUMENTARY HISTORY OF<br>THE FIRST FEDERAL ELECTIONS<br>FOR THE PERIOD 07-01-85 THROUGH 06-30-87<br>AT A TOTAL COST OF \$132,750.00<br>AWARD # RE-20449-85, MOD. 3<br>MSN L&S HISTORY | (144-W838) | 250.00     |
| 2)  | AMERICAN COURTS: A BICENTENNIAL PERSPECTIVE<br>FOR THE PERIOD 10-01-86 THROUGH 09-30-87<br>AT A TOTAL COST OF \$68,446.00<br>AWARD # FS-21590-87, MOD. 1<br>MSN L&S POLITICAL SCI   | (144-Y723) | 639.00     |
| 38. | NATIONAL SCIENCE FOUNDATION<br>WASHINGTON, DC<br>IN SUPPORT OF THE FOLLOWING:   |            |            |
| 1)  | ORGANOMETALLIC REACTION MECHANISMS<br>FOR THE PERIOD 02-01-83 THROUGH 07-31-88<br>AT A TOTAL COST OF \$694,053.00<br>AWARD # CHE-8219382, MOD. 4<br>MSN L&S CHEMISTRY   | (144-S829) | 137,000.00 |
| 2)  | SURFACE STRUCTURES, PHASE TRANSITIONS AND<br>ADATOM INTERACTIONS (MATERIALS RESEARCH)<br>FOR THE PERIOD 12-15-84 THROUGH 05-31-88<br>AT A TOTAL COST OF \$269,500.00<br>AWARD # DMR-8414457, MOD. 2<br>MSN L&S PHYSICS  | (144-W185) | 92,200.00  |
| 3)  | COMPARATIVE STUDY OF SOMATOSENSORY CIRCUITS<br>OF THE CEREBELLUM<br>FOR THE PERIOD 02-01-85 THROUGH 07-31-88<br>AT A TOTAL COST OF \$262,570.00<br>AWARD # BNS-8408866, MOD. 2<br>MSN HS-MED NEUROPHYSIOLOGY  | (144-W296) | 92,000.00  |
| 4)  | PRESIDENTIAL YOUNG INVESTIGATOR AWARD<br>(COMPUTER RESEARCH)<br>FOR THE PERIOD 08-01-85 THROUGH 01-31-88<br>AT A TOTAL COST OF \$124,997.00<br>AWARD # CCR-8451397, MOD. 3<br>MSN L&S COMPUTER SCI  | (144-W607) | 32,000.00  |
| 5)  | APPLICATIONS OF LINEAR AND NONLINEAR SPECTROSCOPY<br>TO CHEMICAL MEASUREMENT (CHEMISTRY)<br>FOR THE PERIOD 12-15-85 THROUGH 05-31-88<br>AT A TOTAL COST OF \$176,405.00<br>AWARD # CHE-8515692, MOD. 1<br>MSN L&S CHEMISTRY                                       | (144-X483) | 63,650.00  |
| 6)  | MOLECULAR PHYLOGENETICS IN ONAGRACEAE<br>FOR THE PERIOD 02-01-86 THROUGH 07-31-88<br>AT A TOTAL COST OF \$79,530.00<br>AWARD # BSR-8516573, MOD. 1<br>MSN L&S BOTANY  | (144-X539) | 34,739.00  |

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- 7) HYDROLOGICAL ATMOSPHERIC PILOT EXPERIMENT (HAPEX)  
FOR THE PERIOD 03-01-86 THROUGH 08-31-88  
AT A TOTAL COST OF \$155,100.00  
AWARD # ATM-8511196, MOD. 1  
MSN L&S METEOROLOGY (144-X591) 129,900.00
- 8) DYNAMICS OF LOCAL CHAIN MOTIONS IN CONCENTRATED  
POLYMER SYSTEMS (MATERIALS RESEARCH)  
FOR THE PERIOD 03-15-86 THROUGH 08-31-88  
AT A TOTAL COST OF \$127,500.00  
AWARD # DMR-8513271, MOD. 1  
MSN L&S CHEMISTRY (144-X660) 50,000.00
- 9) AUTOTROPHY AND HETROTROPHY IN FRESHWATER SPONGES  
WITH ALGAL SYMBIONTS: EXPERIMENTAL ANALYSES  
OF ENERGETICS AND COEVOLUTION  
FOR THE PERIOD 02-01-87 THROUGH 07-31-89  
AWARD # BSR-8615352  
MSN L&S LIMNOLOGY CTR (144-Y887) 120,000.00
- 10) HADROPRODUCTION OF CHARM AND CHARM-STRANGE  
STATES (PHYSICS)  
FOR THE PERIOD 02-15-87 THROUGH 07-31-88  
AWARD # PHY-8615287  
MSN L&S PHYSICS (144-Y904) 48,000.00
- 11) FEEDBACKS OF MIDLATITUDE AND TROPICAL DEEP  
CONVECTIVE CLOUDS TO THEIR MESOSCALE ENVIRONMENTS  
AS DIAGNOSED WITH A THREE DIMENSIONAL CLOUD  
SCALE MODEL  
FOR THE PERIOD 01-15-87 THROUGH 06-30-88  
AWARD # ATM-8611322  
MSN L&S METEOROLOGY (144-Y905) 27,700.00
- 12) ACQUISITION OF A SOLID-SOURCE MASS SPECTROMETER  
FOR THE PERIOD 02-01-87 THROUGH 07-31-88  
AWARD # EAR-8618366  
MSN L&S GEOL & GEOPHYSCS (144-Y937) 131,000.00
- 13) CRYSTALLOGRAPHIC DISORDER ON SURFACES  
(MATERIALS RESEARCH)  
FOR THE PERIOD 02-01-87 THROUGH 07-31-88  
AWARD # DMR-8615089  
MSN ENGR ENGR EXPER STA MET & MIN (144-Y954) 134,000.00
39. VETERANS ADMIN  
MADISON, WI  
SALARY SUPPORT OF RA TO PREPARE RADIOLABELLED  
FLUOROMETHANE  
FOR THE PERIOD 01-24-83 THROUGH 03-31-87  
AWARD # 607/D4C398  
MSN HS-MED MEDICAL PHYSICS (144-S852) 4,331.18
40. DISEASE RESISTANCE BREEDING IN ONIONS  
MSN AG&LSC HORTICULTURE (133-A103)
- 355.00 MULTIPLE DONORS  
1,660.10 ASGROW SEED COMPANY  
KALAMAZOO, MI  
2,000.00 SHIPPO SEED CO., LTD.  
MITOYO, JAPAN

4,015.10

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41.	CANCER RESEARCH - MCARDLE MEMORIAL LABORATORY MSN HS-MED ONCOLOGY	(133-A250)	
	2,876.00	MULTIPLE DONORS	
	1,000.00	MR. AND MRS. RALPH WICKSTROM RIPON, WI	
	95.00	MULTIPLE DONORS	
			3,971.00
42.	MULTIPLE DONORS CANCER RESEARCH MSN HS-MED	(133-A251)	700.00
43.	RESEARCH ON THE CONTROL OF PEA ROOT ROT MSN AG&LSC PLANT PATHOLOGY	(133-A357)	
	1,830.00	OWATONNA CANNING CO. OWATONNA, MN	
	1,050.00	MULTIPLE DONORS	
			2,880.00
44.	NAUTILUS RESEARCH CORPORATION MADISON, WI VICK'S RHINORHEOMETER STUDY MSN HS-MED MEDICINE	PULMON MED (133-A371)	28,000.00
45.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF MEDICINE RESEARCH AND DEVELOPMENT FUND MSN HS-MED MEDICINE	(133-A525)	14,300.00
46.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH AND DEVELOPMENT IN THE DEPARTMENT OF DIAGNOSTIC RADIOLOGY MSN HS-MED RADIOLOGY	NUCL MED (133-A529)	94,500.00
47.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ENERGY STORAGE PROJECT MSN ENGR ENGR EXPER STA SUPRCONDCT	(133-A797)	100,000.00
48.	MULTIPLE DONORS CANCER RESEARCH AND RELATED ACTIVITIES MSN HS-HSP ADMINISTRATION ADMIN	(133-A934)	155.00
49.	MULTIPLE DONORS FACULTY RESEARCH SUPPORT AND DEVELOPMENT FUND MSN L&S URBAN & REG PLAN	(133-A967)	100.00
50.	UOP FOUNDATION DES PLAINES, IL INVESTIGATION OF HFM ULTRAFILTRATION MEMBRANE PERFORMANCE ON CHEESE WHEY ULTRAFILTRATION MSN AG&LSC FOOD SCIENCE	(133-B330)	15,000.00

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51.	MULTIPLE DONORS HEART RESEARCH-CARDIOLOGY SECTION MSN HS-MED MEDICINE	( 133-B379)	220.00
52.	MULTIPLE DONORS POTATO RESEARCH MSN AG&LSC PLANT PATHOLOGY	( 133-B496)	65.00
53.	MULTIPLE DONORS SUSTAINING FUND FOR CHEESE RESEARCH INSTITUTE MSN AG&LSC FOOD SCIENCE	( 133-B996)	1,821.25
54.	MULTIPLE DONORS WILDLIFE RESEARCH MSN AG&LSC N R-WILDLIF ECOL	( 133-C298)	100.00
55.	AMERICAN FOUNDATION FOR PHARMACEUTICAL EDUCATION FAIR LAWN, NJ RESEARCH AND EDUCATION OF OUTSTANDING GRADUATE STUDENTS IN PHARMACY MSN HS-PHR PHARMACY	( 133-C504)	2,750.00
56.	SOPHIA DOUCAS MILWAUKEE, WI LEUKEMIA IMMUNITY INVESTIGATION FUND MSN HS-MED PEDIATRICS	( 133-D016)	2,000.00
57.	WYETH LABORATORIES PHILADELPHIA, PA ALLERGY RESEARCH MSN HS-MED MEDICINE	( 133-D038)	1,200.00
58.	CLAUSSEN PICKLE CO. WOODSTOCK, IL PLANT BREEDING AND GENETICS OF VEGETABLE CROPS MSN AG&LSC HORTICULTURE	( 133-D117)	1,000.00
59.	INTERNATIONAL MINERALS & CHEMICAL CORPORATION DES PLAINES, IL CASTING OF CARBON STEEL IN OLIVINE AGGREGATE MOLDS AND CORES MSN ENGR ENGR EXPER STA MET & MIN	( 133-D121)	425.00
60.	WINTHROP LABORATORIES NEW YORK, NY WINTHROP RESEARCH FELLOW IN NEURORADIOLOGY MSN HS-MED RADIOLOGY	( 133-D368)	13,250.00
61.	MINT INDUSTRY RESEARCH COUNCIL CHEHALIS, WA VEGETABLE DISEASE RESEARCH MSN AG&LSC PLANT PATHOLOGY	( 133-D374)	3,000.00
62.	MULTIPLE DONORS OTOLARYNGOLOGY RESEARCH MSN HS-MED SURGERY	OTOLARYN ( 133-D434)	100.00

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63.	SURFACE AREA STUDIES MSN HS-PHR PHARMACY	( 133-D484)	
	500.00     MULTIPLE DONORS		
	1,000.00    ABBOTT LABORATORIES		
	NORTH CHICAGO, IL		1,500.00
64.	MADISON GENERAL HOSPITAL MADISON, WI DEFRAY SALARY COST OF ASSISTANT SCIENTIST MSN HS-MED PEDIATRICS	( 133-D678)	1,500.00
65.	MULTIPLE DONORS BURN AND TRAUMA RESEARCH MSN HS-MED SURGERY                    GEN SURG	( 133-D791)	10.00
66.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH IN THE DEPARTMENT OF ANESTHESIOLOGY MSN HS-MED ANESTHESIOLOGY	( 133-D925)	3,624.00
67.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH AND DEVELOPMENT FUND FOR HUMAN ONCOLOGY MSN HS-MED HUMAN ONCOLOGY	( 133-D926)	22,430.97
68.	HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA BRATTLEBORO, VT BULL AND COW EVALUATIONS FOR FINAL SCORE, BREAKDOWN COMPONENTS AND LINEARIZED DESCRIPTIVE TYPE TRAITS MSN AG&LSC DAIRY SCIENCE	( 133-D995)	16,830.00
69.	MINT INDUSTRY RESEARCH COUNCIL CHEHALIS, WA PLANT PEST PROBLEMS AFFECTING THE MINT INDUSTRY IN WISCONSIN MSN AG&LSC HORTICULTURE	( 133-E115)	6,000.00
70.	MULTIPLE DONORS TRACY RUHRUP MEMORIAL VIRUS RESEARCH FUND MSN HS-MED MED MICROBIOLOGY	( 133-E289)	1,122.00
71.	MULTIPLE DONORS SUPPORT STUDENT HOURLY HELP IN PROJECT RESEARCH INVOLVING THE COURTSHIP AND PARENTAL CARE INTERACTIONS IN FISHES MSN L&S     ZOOLOGY	( 133-E707)	72.00
72.	MULTIPLE DONORS LAW SCHOOL DEAN'S UNRESTRICTED FUND MSN LAW     LAW SCHOOL	( 133-E839)	500.00

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73.	TOXIC SHOCK SYNDROME RESEARCH MSN AG&LSC FOOD MICRO&TOXIC	(133-E869)	
	4,000.00	MERLIN S BERGDOLL MADISON, WI	
	15,000.00	TAMBRANDS PALMER, MA	
			19,000.00
74.	HYDRO QUEBEC INSTITUTE OF RESEARCH VARENNES, QUEBEC, CANADA PERFORMANCE OF RESEARCH AND DEVELOPMENT SERVICES RELATING TO DEVELOPMENT OF COMPUTER PROGRAMS FOR METHODOLOGY FOR INTEGRATION OF HVDC LINKS IN LARGE AC SYSTEMS FOR THE PERIOD 09-01-81 THRU 06-30-86 AT A \$132,044.82 LEVEL AWARD # RP 1964-2 MSN ENGR ENGR EXPER STA EL&COMPUT	(133-E921)	33,044.82
75.	MULTIPLE DONORS CARDIOVASCULAR SURGERY HEART RESEARCH FUND MSN HS-MED SURGERY THORACIC S	(133-F069)	50.50
76.	MULTIPLE DONORS ANOREXIA NERVOSA HALFWAY HOUSE FUND MSN HS-MED PEDIATRICS	(133-F198)	20.00
77.	JAMES M HULL SANTA CLARA, CA MICROPROCESSOR RESEARCH MSN ENGR ENGR EXPER STA EL&COMPUT	(133-F245)	1,500.00
78.	MULTIPLE DONORS PROGRAM FOR THE DEVELOPMENT OF A PREVENTIVE HEALTH SERVICE PROGRAM FOR VIETNAM MSN HS-MED PREVENTIVE MED	(133-F298)	88.88
79.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH ON DAIRY PRODUCTS PROCESSING UTILIZING THE UW DAIRY PLANT MSN AG&LSC FOOD SCIENCE	(133-F361)	600.00
80.	AUNT NELLIE'S FOODS INCORPORATED CLYMAN, WI DEVELOP AND TEST A PRODUCTION PLANNING/INFORMATION RETRIEVAL SYSTEM MSN AG&LSC FOOD SCIENCE	(133-F399)	5,000.00
81.	MULTIPLE DONORS CLINICAL EXERCISE PHYSIOLOGY ACTIVITIES MSN HS-MED MEDICINE CARDIOLOGY	(133-F572)	88.90

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82.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI BIOENGINEERING RESEARCH MSN HS-MED ANESTHESIOLOGY	(133-F745)	5,346.00
83.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEFRAY COST OF SALARY AND FRINGE BENEFITS FOR RESEARCH FELLOW AWARD # 58-851 MSN HS-MED ANESTHESIOLOGY	(133-F750)	9,620.00
84.	EASTMAN KODAK COMPANY ROCHESTER, NY UNRESTRICTED GRANT IN THE DEPARTMENT OF CHEMISTRY MSN L&S CHEMISTRY	(133-F787)	2,000.00
85.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GLENN B. HAWKINS AND CLEONE ORR HAWKINS PROFESSOR OF POLITICAL SCIENCE MSN L&S POLITICAL SCI	(133-G045)	29,480.00
86.	EASTMAN KODAK COMPANY ROCHESTER, NY KODAK NEW-FACULTY INCENTIVE GRANT MSN L&S CHEMISTRY	(133-G100)	2,000.00
87.	MULTIPLE DONORS ANATOMICAL RESEARCH MSN HS-MED SURGERY	(133-G101)	600.00
88.	MULTIPLE DONORS SUPPORT RESEARCH ACTIVITIES AT THE PENINSULAR STATION MSN AG&LSC PENINSLR RES STA	(133-G481)	250.00
89.	KRAUT PACKERS ASSOCIATION, INC. ST. CHARLES, IL INVESTIGATIONS ON DEVELOPMENT OF ALTERNATE CONSUMER FOOD PRODUCTS FROM TRADITIONAL SAUERKRAUT AND FRESH CABBAGE MSN AG&LSC FOOD SCIENCE	(133-G529)	500.00
90.	WISCONSIN INSTITUTE OF FAMILY MEDICINE MADISON, WI STUDY TRANSFORMATION OF HEALTH SERVICES IN THE 1980'S ILLUSTRATIONS FROM DANE COUNTY, WI MSN HS-MED FAM MED & PRACT	(133-G556)	10,000.00
91.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GLENN B. HAWKINS AND CLEONE ORR HAWKINS PROFESSOR OF POLITICAL SCIENCE MSN L&S POLITICAL SCI	(133-G582)	35,797.00

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92.	PFIZER, INC. GROTON, CT MULTI-CLINIC STUDY OF EFFECT OF SORBINIL COMPARED TO PLACEBO ON THE DEVELOPMENT OF DIABETIC RETINOPATHY AND NEUROPATHY-PROTOCOL A MSN HS-MED OPHTHALMOLOGY	(133-G621)	35,897.00
93.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI BIOFEEDBACK CLINIC SUPPORT MSN HS-MED NEUROLOGY	(133-G648)	4,000.00
94.	HARTMANN (HENRIK A L) MADISON, WI DISCRETIONARY RESEARCH MSN HS-MED PATHOL & LAB MED ANAT PATH	(133-G658)	75.00
95.	NOBA, INC. TIFFIN, OH BRIDGING THE DISCIPLINES OF REPRODUCTIVE PHYSIOLOGY AND GENETICS--AN INTEGRATED RESEARCH APPROACH MSN AG&LSC DAIRY SCIENCE	(133-G729)	2,150.00
96.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI COGNITIVE RETRAINING PROGRAM MSN HS-MED NEUROLOGY	(133-G805)	6,600.00
97.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF PSYCHIATRY CHAIRMAN'S FUND MSN HS-MED PSYCHIATRY	(133-G809)	33,000.00
98.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ANXIETY DISORDERS CLINIC MSN HS-MED PSYCHIATRY	(133-G812)	1,846.71
99.	UNITED WAY OF SOUTH WOOD COUNTY WISCONSIN RAPIDS, WI MULTIPLE SCLEROSIS RESEARCH MSN HS-MED	(133-G987)	1,000.00
100.	ABBOTT LABORATORIES NORTH CHICAGO, IL STUDIES ON MOLECULAR BIOLOGY OF ANTIBIOTIC PRODUCTION BY STREPTOMYCES ERYTHREUS MSN HS-PHR PHARMACY	(133-G992)	55,938.00
101.	MULTIPLE DONORS QUALITY & PRODUCTIVITY RESEARCH PROJECT MSN ENGR ENGR EXPER STA INDUS ENGR	(133-H060)	55.00
102.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GLENN B. HAWKINS AND CLEONE ORR HAWKINS PROFESSOR OF POLITICAL SCIENCE MSN L&S POLITICAL SCI	(133-H096)	20,000.00



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103.	ANIMED, INC. ROSLYN, NJ FIELD TRIAL TO STUDY EFFICACY OF 1-ALPHA- HYDROXYCHOLECALCIFEROL MSN VET M SURGICAL SCI	(133-H405)	11,799.90
104.	DANE COUNTY MENTAL HEALTH CENTER MADISON, WI PSYCHIATRIC SERVICES AGREEMENT MSN HS-MED PSYCHIATRY	(133-H430)	8,054.38
105.	ABBOTT LABORATORIES NORTH CHICAGO, IL HORMONE RECEPTOR RESEARCH MSN HS-MED HUMAN ONCOLOGY	(133-H556)	8,850.00
106.	INTERNATIONAL BUSINESS MACHINES CORPORATION DEUTSCHLAND GMBH STUTTGART, FEDERAL REPUBLIC OF GERMANY STUDIES IN NUMERICAL INTEGRATION USING AUTOMATIC DIFFERENTIATION AND AN OPTIMAL COMPUTER ARITHMETIC FOR THE PERIOD 10-15-84 THRU 12-31-88 MSN L&S MATH RES CTR	(133-H695)	795.00
107.	WORLD HEALTH ORGANIZATION GENEVA, SWITZERLAND ANIMAL MODELS FOR STUDY OF VIRULENCE AND PROTECTIVE IMMUNITY FOR THE PERIOD 09-01-84 THRU 08-31-88 AT A \$70,000 LEVEL MSN HS-MED MED MICROBIOLOGY	(133-H697)	26,000.00
108.	MALLINCKRODT, INC. ST. LOUIS, MO DISCRETIONARY FUND MSN HS-MED HUMAN ONCOLOGY	(133-H707)	5,000.00
109.	MULTIPLE DONORS PHARMACEUTICAL RESEARCH MSN HS-PHR PHARMACY	(133-H751)	950.00
110.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	(133-H760)	140,056.00
111.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF CARDIOTHORACIC SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY THORACIC S	(133-H761)	55,614.27
112.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF GENERAL SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY GEN SURG	(133-H762)	41,906.50

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113.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF NEUROSURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	NEUROSURG	(133-H763)	13,225.25
114.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF ORTHOPEDIC SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	ORTHO SURG	(133-H764)	43,014.50
115.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF OTOLARYNGOLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	OTOLARYN	(133-H765)	22,037.87
116.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF PLASTIC SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	DENT&P SRG	(133-H766)	16,178.55
117.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF UROLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	UROLOGY	(133-H767)	10,535.42
118.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF PSYCHIATRY GENERAL EXPENDITURES MSN HS-MED PSYCHIATRY		(133-H769)	3,563.70
119.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF PSYCHIATRY GENERAL EXPENDITURES MSN HS-MED PSYCHIATRY		(133-H770)	3,446.00
120.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF PSYCHIATRY - VISITING SPEAKERS MSN HS-MED PSYCHIATRY		(133-H771)	2,433.34
121.	OBESITY STUDY: PHASE II MSN VET M MEDICAL SCIENCES		(133-H778)	
	30.00 MULTIPLE DONORS			
	1,940.00 PROGENICS, INC. NEW YORK, NY			
				1,970.00
122.	INTERNATIONAL POTATO CENTER LIMA, PERU POTATO BREEDING METHODS WITH SPECIES, HAPLOIDS, AND 2N GAMETES FOR THE PERIOD 01-01-85 THRU 12-31-87 AT A LEVEL OF \$89,920 AWARD # L-629-CIP-84 MSN AG&LSC HORTICULTURE		(133-H813)	32,784.00

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123.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UNRESTRICTED FUNDS FOR ENGINEERING MINORITY PROGRAM MSN ENGR OPERATIONS	(133-H821)	5,000.00
124.	STUART PHARMACEUTICALS WILMINGTON, DE PHARMACOKINETIC AND ENDOCRINOLOGIC EVALUATION OF ICI 118,630 IN PATIENTS WITH ADVANCED PROSTATIC CANCER MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL	(133-H857)	57,126.00
125.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI OCULAR COMPLICATIONS OF DIABETES RESEARCH MSN HS-MED OPHTHALMOLOGY	(133-H924)	2,500.00
126.	INFECTION CONTROL EDUCATION FUND MSN HS-MED MEDICINE INFECT DIS	(133-H965)	
	1,000.00 ELI LILLY AND COMPANY INDIANAPOLIS, IN		
	500.00 MULTIPLE DONORS		
			1,500.00
127.	ROSS LABORATORIES COLUMBUS, OH EVALUATING EFFECTS OF DIET ON BOWEL FUNCTION AND BONE STATUS IN LONG TERM, TUBE FED PATIENTS MSN AG&LSC NUTRITIONAL SCI	(133-J002)	15,800.00
128.	AYERST LABORATORIES NEW YORK, NY DOUBLE-BLIND EVALUATION OF THE SAFETY AND EFFICACY OF ULTRADOL COMPARED TO INDOMETHACIN IN THE TREATMENT OF ACUTE GOUTY ARTHRITIS MSN HS-MED MEDICINE RHEUMATOL	(133-J010)	1,328.60
129.	PSP CLEARANCE IN THE HORSE MSN VET M MEDICAL SCIENCES	(133-J202)	
	3,333.34 WRIGLEY ARABIANS CHICAGO, IL		
	3,058.00 CEVA LABORATORIES OVERLAND PARK, KS		
			6,391.34
130.	PFIZER LIMITED UNITED KINGDOM PHARMACY RESEARCH MSN HS-PHR PHARMACY	(133-J303)	2,000.00

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131.	UNIVERSITY RADIOLOGY AND NUCLEAR MEDICINE ASSOCIATES MADISON, WI FACULTY SALARY AND FRINGE BENEFIT SUPPORT MSN HS-MED RADIOLOGY	(133-J330)	6,752.00
132.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF PSYCHIATRY LIBRARY MSN HS-MED PSYCHIATRY	(133-J418)	1,063.86
133.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EFFECTS OF VOLATILE ANESTHETICS ON THE ISCHEMIC KIDNEY MSN HS-MED ANESTHESIOLOGY	(133-J425)	9,760.00
134.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PATIENT CENTERED INTERVIEWING SKILLS DEVELOPMENT FOR STUDENT AND FACULTY MSN HS-MED PSYCHIATRY	(133-J430)	3,215.00
135.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ANALYSIS OF MEDICATION GROUPS WHICH SUPPORT NETWORK MSN HS-MED PSYCHIATRY	(133-J431)	500.00
136.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI TRAINEE TRAVEL MSN HS-MED PSYCHIATRY	(133-J432)	1,000.00
137.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI REPRINT PURCHASES MSN HS-MED PSYCHIATRY	(133-J434)	2,000.00
138.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DATA ANALYSIS MSN HS-MED PSYCHIATRY	(133-J436)	6,773.45
139.	MULTIPLE DONORS SULFATED FOOD CHALLENGES MSN AG&LSC FOOD MICRO&TOXIC	(133-J626)	105.00
140.	AYERST LABORATORIES NEW YORK, NY DOUBLE-BLIND EVALUATION OF THE LONG TERM EFFECTS OF ULTRADOL IN PATIENTS WITH ACTIVE RHEUMATOID ARTHRITIS MSN HS-MED MEDICINE RHEUMATOL	(133-J781)	4,050.72

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141.	WRIGLEY ARABIANS CHICAGO, IL LARGE ANIMAL RESEARCH MSN VET M SURGICAL SCI	(133-J801)	3,333.34
142.	MULTIPLE DONORS VETERINARY CARDIOLOGY RESEARCH FUND MSN VET M MEDICAL SCIENCES	(133-J816)	52.00
143.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI STATISTICS IN IMPROVEMENT OF QUALITY MSN L&S MATH RES CTR	(133-J856)	8,000.00
144.	WISC DEPT OF HEALTH AND SOCIAL SERVICES DIVISION OF HEALTH MADISON, WI DESIGN OF INTEGRATED INFORMATION SYSTEM FOR BUREAU OF CORRECTIONAL HEALTH SERVICES FOR THE PERIOD 01-03-86 THRU 06-30-87 AT A \$82,370.80 LEVEL AWARD # P.O. FAG 11157 MSN ENGR ENGR EXPER STA HLTH SYS'S	(133-J857)	7,478.00
145.	LILLY (ELI) AND COMPANY INDIANAPOLIS, IN FLUOXETINE DOSE ESCALATION IN MDD MSN HS-PSY PSYCHIATRIC INST	(133-J878)	20,886.00
146.	PIG IMPROVEMENT COMPANY, INC. SPRING GREEN, WI TISSUE CONTENT FOR FIVE LINES OF SWINE MSN AG&LSC MEAT& ANIMAL SCI	(133-J880)	5,044.62
147.	CREEKWOOD FARMS INCORPORATED LAKE MILLS, WI PRODUCTION OF MYCOPLASMA GALLISEPTICUM VACCINE MSN VET M PATHOBIOLOGCL SCI	(133-J884)	1,810.09
148.	LILLY RESEARCH LABORATORIES INDIANAPOLIS, IN CVS VANCOMYCIN STUDY MSN HS-MED MEDICINE INFECT DIS	(133-J887)	49,997.00
149.	PFIZER, INC. GROTON, CT AN ASSESSMENT OF PROSTATIC TISSUE CONCENTRATIONS FOLLOWING ORAL ADMINISTRATION OF CP-62,993 (PHASE I) STUDY #001-502 MSN HS-MED SURGERY UROLOGY	(133-J892)	28,000.00
150.	MULTIPLE DONORS CRUCIFER GENETICS COOPERATIVE MSN AG&LSC PLANT PATHOLOGY	(133-J959)	458.00

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151.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UNIVERSITY-INDUSTRY RESEARCH PROGRAM UNRESTRICTED ACCOUNT MSN GRAD U IND RES PROG U IND RES (133-J990)	2,500.00
152.	MULTIPLE DONORS FISH SPOILAGE RESEARCH MSN AG&LSC FOOD SCIENCE (133-J993)	100.00
153.	CENTER FOR RURAL AFFAIRS WALTHILL, NE ENVIRONMENTAL AND STRUCTURAL CONSEQUENCES OF CENTER PIVOT IRRIGATION MSN AG&LSC LAND TENURE CTR (133-K059)	6,000.00
154.	GENERAL MOTORS RESEARCH LABORATORIES WARREN, MI CHARACTERIZATION OF CATALYTIC AND CORROSION- RESISTANT SURFACES WITH SYNCHROTRON RADIATION FOR THE PERIOD 01-01-86 THRU 08-31-87 AT A \$104,000 LEVEL AWARD # CONTRACT 14-3 MSN L&S CHEMISTRY (133-K083)	70,000.00
155.	MULTIPLE DONORS PANCREATIC TISSUE RESEARCH MSN HS-MED SURGERY GEN SURG (133-K130)	500.00
156.	AMERICAN HOECHST CORP. SOMERVILLE, NJ PARASITOLOGY RESEARCH MSN VET M PATHOBIOLGCL SCI (133-K195)	4,413.50
157.	PFIZER PHARMACEUTICALS NEW YORK, NY SINGLE-DOSE PHARMACOKINETICS OF INTRAVENOUS AND INTRAPERITONEAL AMPICILLIN (2.0 GM) AND SULBACTAM (1.0 GM) CO-ADMINISTERED IN PATIENTS WITHOUT PERITONITIS MSN HS-PHR PHARMACY (133-K239)	21,730.00
158.	WRIGLEY ARABIANS CHICAGO, IL EQUINE NEONATAL MEDICINE MSN VET M MEDICAL SCIENCES (133-K249)	3,333.34
159.	WISCONSIN SURGICAL SOCIETY MADISON, WI WISCONSIN SURGICAL SOCIETY PROGRAM SUPPORT AND OUTREACH MSN HS-MED SURGERY (133-K264)	2,245.06
160.	AYERST LABORATORIES NEW YORK, NY ULTRADOL STUDY PROTOCOL NO. 84-291 MSN HS-MED MEDICINE RHEUMATOL (133-K293)	3,536.00

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161.	CIBA-GEIGY CORPORATION SUMMIT, NJ "DYSMENORRHEA STUDY, CIBA-GEIGY PROTOCOL 32" MSN HS-MED OBSTET & GYNECOL	(133-K299)	6,048.00
162.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIABETIC RETINAL RESEARCH FUND MSN HS-MED OPHTHALMOLOGY	(133-K318)	1,000.00
163.	JOHNSON (S. C.) & SON, INC. RACINE, WI STUDY OF SOIL PERMEABILITY MSN AG&LSC SOIL SCIENCE	(133-K363)	15,600.00
164.	WALLACE LABORATORIES CRANBURY, NJ PLACEBO-CONTROLLED COMPARISON OF THE EFFECTIVENESS AND SAFETY OF AZELASTINE, CONTROLLED RELEASE THEOPHYLLINE AND COMBINED AZELASTINE-THEOPHYLLINE THERAPY IN THE MANAGEMENT OF PATIENTS WITH NONSTERIOD DEPENDENT BRONCHIAL ASTHMA MSN HS-MED MEDICINE	ALLRGY&IMM (133-K437)	6,500.00
165.	UPJOHN COMPANY KALAMAZOO, MI EFFECT OF CIPROSTONE IN PATIENTS WITH PERIPHERAL VASCULAR DISEASE CHARACTERIZED BY INTERMITTENT CLAUDICATION AND/OR ISCHEMIC ULCERS FOR THE PERIOD 04-01-86 THRU 12-31-86 AWARD # R8000 MSN HS-MED SURGERY	GEN SURG (133-K511)	22,500.00
166.	MULTIPLE DONORS THE ROLE AND IMPORTANCE OF AGRICULTURE TO THE WISCONSIN ECONOMY MSN AG&LSC AG JOURNALISM	(133-K539)	50.00
167.	WISCONSIN RURAL DEVELOPMENT CENTER BLACK EARTH, WI RESEARCH ON SUSTAINABLE AGRICULTURE MSN AG&LSC RURAL SOCIOLOGY	(133-K625)	3,113.60
168.	SANDOS RESEARCH INSTITUTE EAST HANOVER, NJ AN OPEN-LABEL PILOT STUDY OF ZATIDEN (KETOTOFEN) IN THE THERAPY OF CHRONIC URTICARIA/ANGIOEDEMA AWARD # ZADITEN #28 MSN HS-MED MEDICINE	ALLRGY&IMM (133-K632)	500.00
169.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH AND INSTRUCTION FOR THE DEVELOPMENT OF NEW PROCESSES MSN ENGR ENGR EXPER STA	CHEM ENGR (133-K659)	1,000.00

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170.	WISC HOSPITAL RATE SETTING COMMISSION MADISON, WI HOSPITAL DATA SYSTEM CONTRACT FOR THE PERIOD 08-01-86 THRU 04-30-87 AT AN \$81,000 LEVEL AWARD # P.O # ADG-60041 MSN ENGR ENGR EXPER STA HLTH SYS'S (133-K774)	10,021.00
171.	BAUSCH & LOMB ROCHESTER, NY PHARMACY RESEARCH MSN HS-PHR PHARMACY (133-K793)	8,000.00
172.	OSCAR MAYER FOODS MADISON, WI HISTOLOGICAL AND HISTOCHEMICAL CHARACTERISTICS OF MUSCLE FROM TURKEY WHICH DISPLAYS LEG EDEMA MSN AG&LSC MEAT& ANIMAL SCI (133-K794)	6,275.00
173.	MULTIPLE DONORS ELECTROPHYSIOLOGY RESEARCH FUND MSN HS-MED MEDICINE CARDIOLOGY (133-K875)	60.00
174.	TRITON BIOSCIENCES, INC. ALAMEDA, CA MULTICENTER OPEN-LABEL PHASE II STUDY TO EVALUATE THE SAFETY AND EFFICACY OF ESCALATING DOSES OF IFN-B SER GIVEN INTRAVENOUSLY IN PATIENTS WITH ADVANCED RENAL CELL CARCINOMA, MELANOMA, OR NON-SMALL CELL LUNG CANCER MSN HS-MED HUMAN ONCOLOGY (133-K922)	2,699.00
175.	ILLINOIS (UNIVERSITY OF) AT CHICAGO CHICAGO, IL LABORATORY PLANNING AND EQUIPMENT SELECTION SERVICES AT THE UNIVERSITY OF NORTH SUMATRA FOR THE PERIOD 02-02-87 THRU 06-01-87 MSN ENGR ENGR EXPER STA INSTRM SYS (133-K971)	34,272.00
176.	STERLING-WINTHROP RESEARCH INSTITUTE RENSSELAER, NY UNRESTRICTED FUNDS FOR CONSTRUCTING AN INFECTIOUS CDNA CLONE FOR HUMAN RHINOVIRUS-14 MSN GRAD BIOPHYSICS (133-L001)	7,750.00
177.	BIOPULPING CONSORTIUM MSN GRAD BIOTECHNOLGY CTR (133-L093)	
	15,000.00 GREAT NORTHERN NEKOOSA CORPORATION STAMFORD, CT	
	15,000.00 SCOTT PAPER COMPANY PHILADELPHIA, PA	
		30,000.00
178.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI STUDY OF SWISS VALLEY AREA OF SAUK COUNTY MSN AG&LSC NR-LANDSCAP ARCH (133-L172)	8,402.59



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179.	STUART PHARMACEUTICALS WILMINGTON, DE EVALUATION OF ICI 128,436 IN DIABETIC PATIENTS WITH PERIPHERAL SYMMETRICAL POLYNEUROPATHY AWARD # ARI 6-760-1 MSN HS-MED NEUROLOGY	(133-L250)	62,948.11
180.	VLASIC FOODS, INC. DETROIT, MI PILLOWY DISORDER - CUCUMBER RESEARCH MSN AG&LSC HORTICULTURE	(133-L280)	6,000.00
181.	MULTIPLE DONORS SWINE RESEARCH REPORT MSN AG&LSC MEAT& ANIMAL SCI	(133-L281)	200.00
182.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI COMPARISON STUDY OF VIOLENT MEN MSN HS-MED PSYCHIATRY	(133-L298)	2,362.00
183.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI VIDEO TAPES MSN HS-MED PSYCHIATRY	(133-L299)	2,130.60
184.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI STEADY STATE EVOKED POTENTIAL INDICES OF ANESTHETIC DEPTH MSN HS-MED ANESTHESIOLOGY	(133-L300)	4,090.00
185.	ZIMPRO CORPORATION CHASKA, MN ZINC-METHIONINE AND THE CHICK'S IMMUNE RESPONSE AND TISSUE TRACE MINERAL LEVELS MSN AG&LSC POULTRY SCIENCE	(133-L324)	29,228.00
186.	SCHERING CORPORATION BLOOMFIELD, NJ NETILMICIN STUDY MSN HS-MED MEDICINE                      INFECT DIS	(133-L328)	8,210.00
187.	HOWARD (CECIL) CHARITABLE TRUST WOODSTOCK, VT TO EXAMINE EXPERIENCE WITH AGRICULTURAL LAND PORTECTION IN THE STATE OF VERMONT MSN ENV ST LAND INFO ST      LD INFO ST	(133-L329)	1,000.00
188.	GEBHARD-GOURGAUD (EVA) FOUNDATION WOODSTOCK, VT COMPREHENSIVE SURVEY OF ALL LOCAL AND REGIONAL LAND TRUSTS IN FIVE OF THE GREAT LAKES STATES MSN ENV ST LAND INFO ST      LD INFO ST	(133-L330)	2,500.00

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189.	WISCONSIN PUBLIC SERVICE CORPORATION GREEN BAY, WI NUCLEAR REACTOR OPERATIONS PROGRAM AWARD # PO #22135 MSN ENGR ENGR EXPER STA NUCL ENGR (133-L331)	31,000.00
190.	NATIONAL LIVE STOCK AND MEAT BOARD CHICAGO, IL UTILIZATION OF BEEF HEART MUSCLE TO IMPROVE COLOR AND EXTEND SHELF-LIFE OF MEAT PRODUCTS MSN AG&LSC MEAT& ANIMAL SCI (133-L332)	17,136.00
191.	ELSER (M.U. AND A.C.) FOUNDATION, INC. MILWAUKEE, WI ASPECTS OF EXPERIMENTAL MYELINATION OF THE SPINAL CORD AND ITS RELATIONSHIP TO MULTIPLE SCLEROSIS MSN VET M MEDICAL SCIENCES (133-L333)	2,000.00
192.	JAMES A ZAGZEBSKI MADISON, WI DIAGNOSTIC ULTRASOUND RESEARCH DISCRETIONARY FUND MSN HS-MED MEDICAL PHYSICS (133-L335)	3,500.00
193.	MULTIPLE DONORS UROLOGIC CANCER RESEARCH MSN HS-MED SURGERY UROLOGY (133-L336)	1,000.00
194.	AMERICAN SOCIETY OF ANESTHESIOLOGISTS PALO ALTO, CA ASA RESEARCH STARTER GRANT MSN HS-MED ANESTHESIOLOGY (133-L338)	15,000.00
195.	GEORGIA (UNIVERSITY OF) ATHENS, GA DEFRAY STIPEND OF RESEARCH ASSISTANT FOR THE PERIOD 01-09-87 THRU 05-24-87 MSN L&S PHYSICS (133-L341)	4,009.16
196.	GENERAL MOTORS RESEARCH LABORATORIES WARREN, MI ANALYSIS METHODS FOR ASYNCHRONOUS ASSEMBLY SYSTEMS FOR THE PERIOD 01-01-87 THRU 08-31-87 MSN ENGR ENGR EXPER STA INDUS ENGR (133-L342)	30,000.00
197.	TEXAS (UNIVERSITY OF) HEALTH SCIENCE CENTER SAN ANTONIO, TX DEFRAY SABBATICAL EXPENSES OF VISITING PROFESSOR OF MEDICINE MSN HS-MED PHYSIOLOG CHEM (133-L343)	10,000.00
198.	MUSCULAR DYSTROPHY ASSOCIATION NEW YORK, NY MYOSIN LIGHT CHAIN GENES OF CAENORHABDITIS ELEGANS FOR THE PERIOD 01-01-87 THRU 12-31-87 MSN AG&LSC GENETICS (133-L345)	31,650.00

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199.	WISC DEPT OF HEALTH AND SOCIAL SERVICES MADISON, WI MUTAGENICITY AND IMMUNOTOXICOLOGICAL EFFECTS OF SELECTED TOXICANTS FOUND IN WISCONSIN GROUNDWATER FOR THE PERIOD 09-01-86 THRU 06-30-87 MSN VET M PATHOBIOLGCL SCI (133-L346)	21,660.00
200.	MARCH OF DIMES BIRTH DEFECTS FOUNDATION WHITE PLAINS, NY ISOLATION AND ANALYSIS OF HUMAN PIGMENTATION GENES FOR THE PERIOD 04-01-87 THRU 03-31-88 AWARD # 6-408 MSN HS-MED GENETICS (133-L347)	34,000.00
201.	UNITED STATES BORAX & CHEMICAL CORPORATION LOS ANGELES, CA THE INFLUENCE OF SOIL ORGANIC MATTER ON THE AVAILABILITY OF BORON TO CORN MSN AG&LSC SOIL SCIENCE (133-L348)	2,000.00
202.	FORD FOUNDATION NEW YORK, NY STUDY OF ALTERNATIVES TO TAX-DEDUCTIBLE DONATIONS AS A MEANS TO FINANCE NONPROFITS FOR THE PERIOD 09-01-86 THRU 08-31-87 AWARD # 875-0100 MSN L&S ECONOMICS (133-L350)	20,000.00
203.	IOWA STATE UNIVERSITY PRESS AMES, IO SUPPORT OF ELECTRON MICROSCOPE ACTIVITIES MSN AG&LSC ENTOMOLOGY (133-L351)	1,185.14
204.	MADISON GAS AND ELECTRIC CO. MADISON, WI EMPLOYMENT CHANGE IN DANE COUNTY: 1978-86 MSN AG&LSC AG ECONOMICS (133-L352)	6,000.00
205.	CORNELL UNIVERSITY ITHACA, NY EXTENDING FAMILIES: THE SOCIAL NETWORKS OF PARENTS AND THEIR CHILDREN FOR THE PERIOD 08-01-86 THRU 01-31-87 MSN FR&CS FAM RSRC&CNSM SC FAM RSRC&C (133-L353)	3,750.00
206.	WISC DEPT OF HEALTH AND SOCIAL SERVICES MADISON, WI EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 01-09-87 THRU 05-24-87 MSN HS-NUR (133-L354)	9,000.94
207.	MINT INDUSTRY RESEARCH COUNCIL CHEHALIS, WA NUTRIENT UPTAKE IN MINT MSN AG&LSC HORTICULTURE (133-L355)	3,000.00

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208.	GOLDEN FOREST COMPANY MADISON, WI INDUCTION OF THE MOREL TO FORM EDIBLE MUSHROOMS MSN L&S BOTANY (133-L358)	15,000.00
209.	PHYSIO-CONTROL CORPORATION REDMOND, WA ECG DATA BASE DEVELOPMENT MSN ENGR ENGR EXPER STA EL&COMPUT (133-L360)	12,000.00
210.	ABBOTT LABORATORIES NORTH CHICAGO, IL GROWTH RESPONSES OF FINISHING PIGS TO ORAL AND INJECTION DOSES OF TRH MSN AG&LSC MEAT& ANIMAL SCI (133-L361)	19,113.00
211.	SEARLE (G.D.) & CO. SKOKIE, IL ANALYSIS OF LATE PHASE REACTIONS USING A RAT MODEL SYSTEM MSN HS-MED MEDICINE ALLRGY&IMM (133-L362)	52,668.00
212.	MIDCON LABS, INC. KANSAS CITY, MO SWINE ATROPHIC RHINITIS: DEVELOPMENT OF A NEW VACCINE MSN VET M PATHOBIOLGCL SCI (133-L363)	13,420.00
213.	MIDCON LABS, INC. KANSAS CITY, MO VACCINES, DOES IT MATTER HOW THEY ARE INJECTED MSN VET M PATHOBIOLGCL SCI (133-L364)	14,050.00
214.	MARCH OF DIMES BIRTH DEFECTS FOUNDATION WHITE PLAINS, NY MATERNAL PERCEPTION OF LOW BIRHTWEIGHT INFANTS AND THE GENESIS OF COMMUNICATION SKILLS FOR THE PERIOD 03-01-87 THRU 02-29-88 AWARD # 12-11 MSN GRAD WAISMAN CENTER (133-L365)	13,000.00
215.	MARCH OF DIMES BIRTH DEFECTS FOUNDATION WHITE PLAINS, NY ANATOMY AND TIMING OF COMMISSURAL TRANSFER IN DISABLED AND NORMAL READERS FOR THE PERIOD 03-01-87 THRU 02-28-88 AWARD # 12-165 MSN L&S PSYCHOLOGY (133-L366)	25,000.00
216.	LUTZ (GRACE AND NORMAN) OCONOMOWOC, WI REHABILITATION SERVICES-PATIENT EQUIPMENT MSN HS-HSP ADMINISTRATION ADMIN (133-L367)	2,000.00

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217.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 01-12-87 THRU 05-22-87 AWARD # 87-1 GRANT MSN AG&LSC NAT RSRCS- ADMIN	(133-L372)	2,546.00
218.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 01-05-87 THRU 05-15-87 AWARD # 87-1 BADER MSN AG&LSC NAT RSRCS- ADMIN	(133-L373)	2,546.00
219.	KLABOCKA, ROBERT HENDERSON, NE PROGRAM DEVELOPMENT WITHIN THE NUCLEAR MEDICINE DEPARTMENT MSN HS-HSP ADMINISTRATION ADMIN	(133-L375)	1,000.00
220.	HEWLETT (WILLIAM AND FLORA) FOUNDATION MENLO PARK, CA DEMOGRAPHIC RESEARCH AND TRAINING FOR THE PERIOD 03-01-87 THRU 02-28-92 AWARD # 87-6158 MSN L&S SOCIOLOGY	(133-L378)	500,000.00
221.	SEVRAIN-TECH, INC. MADISON, WI BIOMEDICAL ENGINEERING RESEARCH MSN ENGR ENGR EXPER STA EL&COMPUT	(133-L379)	4,217.10
222.	WISC DEPT OF NATURAL RESOURCES MADISON, WI EFFECTS OF DIOXIN CONTAMINANT SLUDGE ON WILDLIFE FOR THE PERIOD 02-09-87 THRU 06-30-87 AWARD # P.O. #NRG 91538 MSN AG&LSC N R-WILDLIF ECOL	(133-L380)	6,400.00
223.	AMERICAN CHEMICAL SOCIETY PETROLEUM RESEARCH FUND WASHINGTON, DC INTRAMOLECULAR DYNAMICS OF HIGHLY VIBRATIONALLY AND ROTATIONALLY EXCITED POLYATOMIC MOLECULES FOR THE PERIOD 02-01-87 THRU 08-31-89 AWARD # PRF #18833 - G6 MSN L&S CHEMISTRY	(133-L381)	18,000.00
224.	MINNESOTA MINING AND MANUFACTURING COMPANY ST. PAUL, MN POLYSILANES: CHEMICAL BONDING AND HIGH POLYMERS MSN L&S CHEMISTRY	(133-L383)	47,163.00
225.	SPANISH CULTURAL OFFICE WASHINGTON, DC PUBLICATION SUPPORT FOR "THE FRANCO REGIME" BY STANLEY PAYNE MSN GRAD U W PRESS	(133-L384)	5,000.00

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226.	AMERICAN SOCIETY FOR EIGHTEENTH-CENTURY STUDIES NORTHFIELD, MN FINANCIAL ASSISTANCE FOR THE SERIES "STUDIES IN EIGHTEENTH-CENTURY CULTURE MSN GRAD U W PRESS	(133-L385)	1,112.00
227.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ELECTRONICS PACKAGING INTERCONNECTION PROGRAM (EPIP) MSN ENGR ENGR EXPER STA INSTRM SYS	(133-L386)	1,000.00
228.	HOWELL (ETTA H) ESTATE LONG BEACH, CA ETTA H HOWELL CANCER RESEARCH FUND MSN HS-MED ONCOLOGY	(133-0555)	4,030.00
229.	LEUKEMIA RESEARCH-DEPARTMENT OF PEDIATRICS IN MEMORY OF RACHEL FEINSTEIN MSN HS-MED PEDIATRICS	(133-3535)	
	75.00 MULTIPLE DONORS 940.00 GEOFFREY AND NANCY FEINSTEIN ROSCOE, IL 50.00 MULTIPLE DONORS 110.00 MULTIPLE DONORS		1,175.00
230.	DERMATOLOGY RESEARCH MSN HS-MED MEDICINE	DERMATOLGY (133-4911)	
	1,000.00 HERBERT LABORATORIES IRVINE, CA 6,000.00 CARL J HERZOG FOUNDATION, INC. STAMFORD, CT		7,000.00
231.	GILMORE, INC. MEMPHIS, TN WEED CONTROL IN AGRONOMIC CROPS MSN AG&LSC AGRONOMY	(133-5014)	2,000.00
232.	MULTIPLE DONORS MEDICAL SCHOOL DEAN'S UNRESTRICTED FUND MSN HS-MED	(133-5671)	1,000.00
233.	DAVID H AND BETTY M BURROWS LONGWOOD, FL SUPPORT OF RESEARCH IN APLASTIC ANEMIA IN THE DEPARTMENT OF PEDIATRICS MSN HS-MED PEDIATRICS	(133-6732)	1,000.00
234.	UNION CARBIDE DANBURY, CT TRUCK CROP AND POTATO INSECTS AND THEIR CONTROL MSN AG&LSC ENTOMOLOGY	(133-6855)	1,000.00

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235.	MULTIPLE DONORS SUPPORT WISCONSIN CENTER FOR THEATRE RESEARCH MSN L&S COMMUN ARTS (133-7163)	500.00
236.	MONSANTO CHEMICAL COMPANY ST. LOUIS, MO SUPPORT RESEARCH ON METHODS AND MATERIALS FOR WEED CONTROL IN FRUIT AND VEGETABLE CROPS MSN AG&LSC HORTICULTURE (133-7179)	15,371.99
237.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SMONGESKI RESEARCH PROFESSORSHIP IN THE LAW SCHOOL MSN LAW LAW SCHOOL (133-7687)	39,485.00
238.	GROWTH REGULATOR RESEARCH ON AGRONOMIC CROPS MSN AG&LSC AGRONOMY (133-8218)	
	1,435.00 WI CROP IMPROVEMENT ASSOC. MADISON, WI	
	500.00 MULTIPLE DONORS	
		1,935.00
239.	MULTIPLE DONORS CYSTIC FIBROSIS RESEARCH MSN HS-MED PEDIATRICS (133-8586)	73.05
240.	MULTIPLE DONORS HERD DEVELOPMENT AND DAIRY CATTLE BREEDING RESEARCH MSN AG&LSC DAIRY SCIENCE (133-9531)	200.00
241.	MULTIPLE DONORS ONION BREEDING AND IMPROVEMENT MSN AG&LSC HORTICULTURE (133-9835)	484.44

## STUDENT AID

1.	CONTINENTAL BANK CHICAGO, IL SCHULTE, HELEN D. TRUST SCHULTE, HELEN DENNE--LOAN FUND MSN HS-NUR ( TRUST )	8,651.50
2.	CONTINENTAL BANK CHICAGO, IL SCHULTE, HELEN D. SCHULTE, WALTER B.--SCHOLARSHIP FUND MSN ENGR ( TRUST )	8,651.51
3.	MILWAUKEE FOUNDATION MILWAUKEE, WI BACON, FRANK ROGERS--SCHOLARSHIP MSN ENGR ELEC & COM ENGR ( TRUST )	36,253.00

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4.	MULTIPLE DONORS PETERSON, H. ISABELLE--SCHOLARSHIP FUND MSN HS-MED	( TRUST )	10.00
5.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI VETERINARY MEDICINE SCHOLARSHIP FUND MSN VET M ADMIN-ACAD AFF'S ACAD AFF'S	( TRUST )	36,815.92
6.	MEDICAL ALUMNI ASSOCIATION MADISON, WI WATERS, DR. RALPH M.--SCHOLARSHIP MSN HS-MED	( TRUST )	1,175.00
7.	MEDICAL ALUMNI ASSOCIATION MADISON, WI RUSSO, DR. VINCENT--SCHOLARSHIP MSN HS-MED	( TRUST )	945.00
8.	SIMMONS, DAVID--STUDENT ASSISTANCE MSN HS-MED	( TRUST )	
	115.00 PRATT, DR. AND MRS. GEORGE RHINELANDER, WI	\$	100.00
	50.00 MULTIPLE DONORS		15.00
	30.00 MEDICAL ALUMNI ASSOCIATION MADISON, WI		
			195.00
9.	MEDICAL ALUMNI ASSOCIATION MADISON, WI YOUMANS AWARD IN MEDICAL PHYSIOLOGY MSN HS-MED PHYSIOLOGY	( TRUST )	250.00
10.	MEDICAL ALUMNI ASSOCIATION MADISON, WI MORTENSEN, OTTO A.--SCHOLARSHIP MSN HS-MED	( TRUST )	375.00
11.	MEDICAL ALUMNI ASSOCIATION MADISON, WI WASSERBURGER, DR. RICHARD--STUDENT ASSISTANCE MSN HS-MED	( TRUST )	1,351.45
12.	MEDICAL ALUMNI ASSOCIATION MADISON, WI ANGEVINE, DR. MURRAY D.--MEMORIAL FUND MSN HS-MED	( TRUST )	450.00
13.	WEIGLE, DICK--MEMORIAL SCHOLARSHIP MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	( TRUST )	
	100.00 WEIGLE, DOROTHY J. MADISON, WI		
	100.00 CUNA MUTUAL CHARITABLE FOUNDATION MADISON, WI		
			200.00



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14.	MEDICAL ALUMNI ASSOCIATION MADISON, WI MEDICAL STUDENT AWARD FOR RESEARCH EXCELLENCE MSN HS-MED	( TRUST )	250.00
15.	MEDICAL ALUMNI ASSOCIATION MADISON, WI DICKIE, DR. HELEN--LOAN FUND MSN HS-MED	( TRUST )	3,322.84
16.	MEDICAL ALUMNI ASSOCIATION MADISON, WI PORTER, DR. JOHN--GRADUATE STUDENT SCHOLARSHIP FUND MSN HS-MED	( TRUST )	20.00
17.	PETERSON, H. ISABELLE--SCHOLARSHIP FUND MSN HS-MED	( TRUST )	
	100.00 MULTIPLE DONORS 10,000.00 MEDICAL ALUMNI ASSOCIATION MADISON, WI		10,100.00
18.	WORDEN, DONALD F.--MEMORIAL SCHOLARSHIP FUND MSN HS-MED	( TRUST )	
	150.00 MEDICAL ALUMNI ASSOCIATION MADISON, WI 250.00 CHARAPATA, DR. STEVEN G. AND LINDA KANSAS CITY, MO		400.00
19.	FIRST WISCONSIN TRUST COMPANY MILWAUKEE, WI CHURCH, RUTH E. CHURCH, RUTH E.--STUDENT ASSISTANCE MSN HS-MED	( TRUST )	29,018.77
20.	MEDICAL ALUMNI ASSOCIATION MADISON, WI CURTIS, DR. JOHN--MEMORIAL FUND MSN HS-MED	( TRUST )	100.00
21.	MEDICAL ALUMNI ASSOCIATION MADISON, WI MEDICAL SCHOOL CLASS OF 1939-FIFTIETH ANNIVERSARY TRUST MSN HS-MED	( TRUST )	1,085.00
22.	EDUCATION, DEPT OF WASHINGTON, DC PELL GRANT PROGRAM FOR THE PERIOD 07-01-86 THROUGH 06-30-87 AT A TOTAL COST OF \$7,310,547.00 AWARD # PO08702947, MOD. 2 MSN G SERV FELLOWS & SCHOLS	( 148-A087 )	683,969.00

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UNIVERSITY OF WISCONSIN - MADISON

## STUDENT AID

23.	FERMI NATIONAL ACCELERATOR LABORATORY BATAVIA, IL PRIME CONTRACTOR WITH DOE PROFESSIONAL SERVICES OF GRADUATE STUDENT TO WORK ON PHASE-SPACE DIMENSION OF CHARGED PARTICLE BEAM IN A LINEAR ACCELERATOR TYPE SYSTEM FOR THE PERIOD 02-01-87 THROUGH 09-30-87 AWARD # P. O. # 927880 MSN L&S PHYSICS	(144-Y931)	8,650.00
24.	AMERICAN INDIAN LAW CENTER, INC. ALBUQUERQUE, NM PRIME CONTRACTOR WITH INTER SPECIAL SCHOLARSHIP PROGRAM IN LAW FOR AMERICAN INDIANS FOR THE PERIOD 08-25-86 THROUGH 08-31-87 AT A TOTAL COST OF \$36,601.00 AWARD # CHECK #G20721, MOD. 5 MSN LAW LAW SCHOOL	(144-Y571)	733.00
25.	MULTIPLE DONORS DEAN'S DISCRETIONARY STUDENT FUND MSN HS-PHR PHARMACY	(133-B435)	330.00
26.	BAKER (ROBERT EARL) ESTATE PITTSBURGH, PA VIOLA JURGERSON BAKER MEMORIAL FUND MSN FR&CS FAM RSRC&CNSM SC FAM RSRC&C	(133-B967)	2,485.22
27.	CARGILL PROCESSING GROUP MINNETONKA, MN UNDERGRADUATE SCHOLARSHIPS IN MECHANICAL ENGINEERING MSN ENGR MECHANICAL ENGR	(133-C749)	1,250.00
28.	CARGILL PROCESSING GROUP MINNETONKA, MN UNDERGRADUATE SCHOLARSHIPS IN CHEMICAL ENGINEERING MSN ENGR CHEMICAL ENGR	(133-C750)	1,250.00
29.	EMPLOYERS INSURANCE OF WAUSAU WAUSAU, WI W. H. BURHOP SCHOLARSHIP MSN BUS SCH OF BUSINESS	(133-D878)	5,000.00
30.	UNIVERSITY LEAGUE, INC. MADISON, WI UNIVERSITY LEAGUE SCHOLARSHIP MSN HS-A H ADMINISTRATION	(133-E081)	1,245.50
31.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FARM AND INDUSTRY SHORT COURSE SCHOLARSHIP MSN AG&LSC ACAD STU AFF ADM	(133-E198)	800.00

GIFTS, GRANTS AND CONTRACTS  
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## UNIVERSITY OF WISCONSIN - MADISON

## STUDENT AID

32.	ROSSBACH (JACOB) SCHOLARSHIP FUND MENOMONEE FALLS, WI UNDERGRADUATE SCHOLARSHIP MSN HS-PHR PHARMACY	(133-F367)	1,916.30
33.	CENDEL CORPORATION LINCOLN, NE SCHOLARSHIPS IN THE COLLEGE OF ENGINEERING MSN ENGR	(133-F974)	4,000.00
34.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ETHEL J. ODEGARD SCHOLARSHIP IN MUSIC MSN L&S SCHOOL OF MUSIC	(133-H239)	6,000.00
35.	WELDER (ROB & BESSIE) WILDLIFE FOUNDATION SINTON, TX FOOD SELECTION AND NUTRITIONAL ECOLOGY OF BLUE GROUSE DURING WINTER MSN AG&LSC N R-WILDLIF ECOL	(133-H909)	7,700.00
36.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SABAN MERCHANT MERIT SCHOLARSHIP MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(133-J560)	1,000.00
37.	MARGARET ALLARD SCHOLARSHIP FUND FOR HOME ECONOMICS COMMUNICATIONS UNDERGRADUATE MAJORS MSN FR&CS FAM RSRC&CNSM SC FAM RSRC&C	(133-J723)	
	200.00 MULTIPLE DONORS 1,000.00 JOYCE, INC. ATLANTA, GA		1,200.00
38.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GRADUATE STUDENT SUPPORT IN THE DEPARTMENT OF GEOLOGY AND GEOPHYSICS MSN L&S GEOL & GEOPHYSICS	(133-J815)	1,390.00
39.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LENORE A. NETZER AND GLEN G. EYE GRADUATE SCHOLARSHIP MSN EDUC GENERAL ADMIN DEAN'S OFC	(133-J930)	500.00
40.	GREAT-WEST LIFE ASSURANCE COMPANY DENVER, CO GREAT-WEST LIFE ASSURANCE SCHOLARSHIPS MSN BUS SCH OF BUSINESS	(133-L334)	1,000.00
41.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PHILIP AND ETHEL FALK SCHOLARSHIP FUND MSN G SERV FELLOWS & SCHOLS	(133-L374)	50.00

GIFTS, GRANTS AND CONTRACTS  
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## UNIVERSITY OF WISCONSIN - MADISON

## STUDENT AID

42.	AMERICAN FAMILY MUTUAL INSURANCE COMPANY MADISON, WI AMERICAN FAMILY SCHOLARSHIP IN THE SCHOOL OF BUSINESS MSN BUS      SCH OF BUSINESS      (133-0979)	2,000.00
43.	WISCONSIN RURAL REHABILITATION CORPORATION MADISON, WI SCHOLARSHIPS FOR NEEDY YOUNG MEN AND WOMEN FROM WISCONSIN FAMILY FARMS WHO HAVE FINANCIAL NEED AND WHO ARE ENTERING OR CONTINUING STUDY IN THE COLLEGE OF AG & LSC MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP      (133-2073)	12,577.50
44.	MULTIPLE DONORS AWARDS TO OUTSTANDING STUDENTS IN GYNECOLOGY AND OBSTETRICS MSN HS-MED OBSTET & GYNECOL      (133-4875)	400.00
45.	MULTIPLE DONORS OUT-OF-STATE TUITION SCHOLARSHIPS TO BE ADMINISTERED BY STUDENT FINANCIAL AIDS COMMITTEE MSN G SERV FELLOWS & SCHOLS      (133-7255)	730.27
46.	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
47.	MULTIPLE DONORS HENRY M. CASTELLO, M.D. MEMORIAL AWARD MSN HS-MED ADMINISTRATION      DEANS OFFC      (133-9147)	200.00
48.	WISCONSIN RURAL REHABILITATION CORPORATION MADISON, WI UNDERGRADUATE SCHOLARSHIPS FOR NEEDY YOUNG PERSONS FROM WISCONSIN FAMILY FARMS WHO HAVE FINANCIAL NEED AND WHO ARE ENTERING OR CONTINUING STUDY AT THE UNIVERSITY OF WISCONSIN-MADISON SCHOOL OF FAMILY RESOURCES AND CONSUMER SCIENCES MSN FR&CS      FAM RSRC&CNSM SC FAM RSRC&C      (133-9594)	322.50
TOTAL MADISON		17,704,576.37 =====

EXTENSION AND PUBLIC SERVICE	16,812.98
INSTRUCTION	187,089.00
LIBRARIES	6,108.89
MISCELLANEOUS	428,841.61
RESEARCH	16,178,654.61
STUDENT AID	887,069.28

GIFTS, GRANTS AND CONTRACTS  
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## UNIVERSITY OF WISCONSIN - MILWAUKEE

## EXTENSION AND PUBLIC SERVICE

1. SMALL BUSINESS ADMIN  
WASHINGTON, DC  
MANAGEMENT COUNSELING AND TECHNICAL ASSISTANCE  
TO SMALL BUSINESS CONCERNS (SBI)  
FOR THE PERIOD 10-01-86 THROUGH 09-30-87  
AWARD # SBA-2598-BD-87  
MIL DOCE BUSINESS & MGMNT SM BUS DVL (144-W454) 8,000.00

## GIFT-IN-KIND

1. UWM FOUNDATION, INC.  
FREDERICK & JANET ROGERS  
MILWAUKEE, WI  
GIFT OF VARIOUS ART OBJECTS DONATED TO THE UWM  
FINE ARTS MUSEUM.  
AWARD # NONE  
MIL F ARTS ADMINISTRATION ADMIN
2. RUTH D. WILSON  
MILWAUKEE, WI  
GIFT OF TWO (2) ASTRONOMICAL TELESCOPES; ONE  
(1) UNITRON 4" EQUATORIAL REFRACTOR; AND ONE (1)  
MEADE 10" NEWTONIAN REFLECTOR DONATED TO THE  
DEPARTMENT OF PHYSICS  
AWARD # NONE  
MIL L&S PHYSICS ASTRON-GEN

## INSTRUCTION

1. GREATER MILWAUKEE YOUTH WIND ENSEMBLE  
MILWAUKEE, WI  
SALARY OF ASSISTANT CONDUCTOR OF GREATER MILWAUKEE  
YOUTH WIND ENSEMBLE  
MIL F ARTS MUSIC (133-D747) 2,805.00
2. INDIANA UNIVERSITY  
(P/C MUCIA/MALAYSIA)  
BLOOMINGTON, IN  
PERSONNEL SERVICES AGREEMENT  
FOR THE PERIOD 08/01/86 THROUGH 07/31/87  
AWARD # P.O. 1606-2071  
MIL L&S MATH SCIENCES MATH SCI'S (133-K614) 10,199.00
3. INDIANA UNIVERSITY  
(P/C MUCIA/MALAYSIA)  
BLOOMINGTON, IN  
PERSONNEL SERVICES AGREEMENT  
FOR THE PERIOD 01/01/87 THROUGH 12/31/87  
AWARD # P.O. 1606-2071  
MIL BUS AD CREDIT OUTREACH (133-L164) 58,674.00
4. WISCONSIN STATE COUNCIL ON ECONOMIC EDUCATION  
MILWAUKEE, WI  
SUPPORT OF ECONOMIC EDUCATION PROGRAM DEVELOPMENT  
AND RELATED ACTIVITY  
MIL L&S ECONOMIC EDUC ECON EDUC (133-4849) 1,000.00

GIFTS, GRANTS AND CONTRACTS  
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## UNIVERSITY OF WISCONSIN - MILWAUKEE

## LIBRARIES

1. WILLIAM C. ROSELLE  
MILWAUKEE, WI  
FOR THE USE IN THE UWM LIBRARY DEVELOPMENT FUND  
OF THE GOLDA MEIR LIBRARY  
MIL LIBR LIBRARY (133-8383) 30.00

## MISCELLANEOUS

1. DR. EMIL F. KUBASH  
WAUWATOSA, WI  
DISCRETIONARY USE OF THE DEPARTMENT OF SPANISH  
AND PORTUGUESE  
MIL L&S SPANISH & PORT (133-F466) 75.00
2. HIGHER EDUCATION CABLE CONSORTIUM  
MILWAUKEE, WI  
OPERATION OF A TV HEADEND/PLAYBACK FACILITY FOR  
HECC  
FOR THE PERIOD 01/01/87 THROUGH 08/15/88  
MIL ED COM PROJECTS SP P2-HECC (133-L344) 9,000.00
3. LIPPINCOTT (J B) COMPANY  
CONTINUED DEVELOPMENT OF THE PROGRAM OF THE UWM  
SCHOOL OF NURSING  
MIL NURS NURSING (133-7653) 9,558.00

## PHYSICAL PLANT

1. EDUCATION, DEPT. OF  
WASHINGTON, DC  
INTEREST SUBSIDY GRANT FOR MITCHELL HALL  
REMODELING  
FOR THE PERIOD 02-01-83 THROUGH 02-01-87  
AWARD # 5-5-00675-0  
MIL ADM AF ASST CHAN OFFICE (144-P831) 13,480.00

## RESEARCH

1. UNIVERSITY OF ILLINOIS  
CHAMPAIGN/URBANA  
CHAMPAIGN, IL  
PRIME CONTRACTOR WITH DED  
RESEARCH IN EDUCATION OF THE HANDICAPPED:  
ENHANCING INSTRUCTIONAL OPTIONS FOR MILDLY  
HANDICAPPED STUDENTS THROUGH PEER COLLABORATION  
FOR THE PERIOD 10-01-86 THROUGH 09-30-87  
AWARD # 85-139, AM. #1  
MIL EDUC CURRIC & INSTR (144-X617) 30,968.00
2. AMERICAN ASSOCIATION OF NEUROLOGICAL SURGEONS  
PARK RIDGE, IL  
PRIME CONTRACTOR WITH DHHS PHS NIH  
EVALUATION OF JOB PHYSICAL DEMANDS FOR THE  
STUDY - BACK PAIN IN INDUSTRY: A PROSPECTIVE  
EPIDEMIOLOGIC STUDY  
FOR THE PERIOD 01-01-87 THROUGH 03-31-87  
AWARD # 5R01-OH02084-02  
MIL ENG&AS IND & SYSTS ENGR (144-Y917) 5,204.00

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UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

3. IIT RESEARCH INSTITUTE  
CHICAGO, IL  
PRIME CONTRACTOR WITH DOD NAVY  
EFFECT OF ELF FIELDS ON SELECTED WETLAND FUNCTIONS  
ELF COMMUNICATIONS PROGRAM-ENVIRONMENTAL  
MONITORING PROGRAM  
FOR THE PERIOD 11-01-85 THROUGH 08-31-87  
AWARD # EO6549-84-C-008-MOD 9  
MIL L&S BIOLOGICAL SCI (144-X362) 74,187.00
4. NATIONAL AERONAUTICS AND SPACE ADMIN  
HUNTSVILLE, AL  
TURBULENCE MODELING AND ITS APPLICATION TO SPACE  
SHUTTLE MAIN ENGINE SYSTEM  
FOR THE PERIOD 01-29-87 THROUGH 01-28-88  
AWARD # NAG8-617  
MIL ENG&AS MECHANICAL ENGR (144-Y537) 25,363.00
5. NATIONAL ENDOWMENT FOR THE ARTS  
WASHINGTON, DC  
ALTERNATIVE DENSITY MEASURES AND THEIR RELATION  
TO CITY FORM  
FOR THE PERIOD 01-01-87 THROUGH 12-31-87  
AWARD # 87-4251-003 1  
MIL ARC&UP ARCH&U P RES CTR (144-Y967) 20,000.00
6. TRANSPORTATION, DEPT OF  
LAKEWOOD, CO  
PRESENT RESULTS OF TECHNOLOGY TRANSFER DEVELOPMENT  
PROJECT  
FOR THE PERIOD 01-25-87 THROUGH 08-31-87  
AWARD # P.O. P-70025-87-68-DTFH  
MIL ENG&AS URBN TRANS RES C (144-Y924) 4,764.00
7. WISCONSIN SOCIETY FOR JEWISH LEARNING  
MILWAUKEE, WI  
RESEARCH PROJECT ON NON-STANDARD ARABIC  
FOR THE PERIOD 09/01/86 THROUGH 08/31/87  
AWARD # CHECK NO. 1848  
MIL L&S HEBREW STU (133-A455) 1,000.00
8. WISCONSIN SOCIETY FOR JEWISH LEARNING  
MILWAUKEE, WI  
ANNOTATED ENGLISH TRANSLATION OF THE TARGUMS  
FOR THE PERIOD 09/01/86 THROUGH 08/31/87  
AWARD # CHECK NO. 1848  
MIL L&S HEBREW STU (133-C663) 1,000.00
9. REXNORD  
MILWAUKEE, WI  
COMPRESSION TESTING OF ROCKS  
AWARD # CHECK NO. D93929  
MIL ENG&AS CIVIL ENGINEER'G (133-C667) 400.00
10. ESTHER K. ANSFIELD  
MILWAUKEE, WI  
HOLOCAUST RESEARCH AND INFORMATION PROJECT  
MIL L&S COMPARATIVE LIT (133-F437) 200.00

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## UNIVERSITY OF WISCONSIN - MILWAUKEE

## RESEARCH

11.	UWM FOUNDATION (SHAW RESEARCH FUND) MILWAUKEE, WI SHAW RESEARCH FUND MIL L&S      BIOLOGICAL SCI	(133-F467)	10,000.00
12.	DISCRETIONARY USE FOR RESEARCH AND SPECIAL PROJECTS MIL L&S      ECONOMIC EDUC	(133-G400)	
	5,000.00      UWM FOUNDATION (HARVEY D. WILMETH) MILWAUKEE, WI		
	5,000.00      UWM FOUNDATION, ACCT. NO. 318.0 (HARVEY D. WILMETH) MILWAUKEE, WI		
			10,000.00
13.	UWM FOUNDATION, #258 MILWAUKEE, WI JERRY LEER ACCOUNTING FUND MIL BUS AD MGMNT RESRCH CTR	(133-G426)	37,830.00
14.	SCHERING BERLIN, GERMANY UNRESTRICTED RESEARCH OF PROF. GEORGE SOSNOVSKY IN THE DEPARTMENT OF CHEMISTRY MIL L&S      CHEMISTRY	(133-J653)	5,000.00
15.	WISCONSIN ELECTRIC POWER CO. MILWAUKEE, WI PROTECTIVE THIN FILM PROJECT AWARD # CHECK NO. 122569 MIL L&S      PHYSICS	(133-K999)	10,000.00
16.	GARY LEISMAN LAKE BLUFF, IL DISCRETIONARY RESEARCH - CENTER FOR GREAT LAKES STUDIES MIL GRAD      GT LKS ST, CTR F GT LKS STU	(133-L119)	320.53
17.	UWM FOUNDATION (ACCT. #314) MILWAUKEE, WI DISCRETIONARY GIFT MIL L&S      PSYCHOLOGY	(133-L165)	1,200.00
18.	SUNDSTRAND ADVANCED TECHNOLOGY GROUP SUNDSTRAND CORPORATION ROCKFORD, IL OPERATING CHARACTERISTICS OF COMPACT HIGH INTENSITY COOLERS UNDER TWO-PHASE FLOW CONDITIONS FOR THE PERIOD 01/02/87 THROUGH 12/31/88 MIL ENG&AS MECHANICAL ENGR	(133-L294)	144,940.00



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## UNIVERSITY OF WISCONSIN - MILWAUKEE

## RESEARCH

19. INSTITUTE OF HUMAN ORIGINS  
BERKELEY, CA  
LABORATORY STUDIES OF EARLY STONE AGE COLLECTIONS  
FROM CENTRAL AND EAST AFRICA  
FOR THE PERIOD 01/01/87 THROUGH 12/31/87  
MIL L&S ANTHROPOLOGY (133-L322) 9,910.00
20. ST. JOSEPHS HOSPITAL  
MILWAUKEE, WI  
CULTURAL DIVERSITY AND NURSING PRACTICE  
FOR THE PERIOD 01/01/87 THROUGH 05/31/87  
MIL NURS FNDTNS OF NURS'G (133-L327) 2,903.00

## STUDENT AID

1. EDUCATION, DEPT OF  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:
- 1) PELL GRANT PROGRAM  
FOR THE PERIOD 07-01-85 THROUGH 06-30-86  
AWARD # PO08602948  
MIL STU AF FINANCIAL AID PROV'L&SUP (148-B086) 517,621.00-
- 2) PELL GRANT PROGRAM  
FOR THE PERIOD 07-01-86 THROUGH 06-30-87  
AWARD # PO08702948  
MIL STU AF FINANCIAL AID PROV'L&SUP (148-B087) 1,123,777.00
2. SCHOOL OF ARCHITECTURE AND URBAN PLANNING  
SCHOLARSHIP FUND  
MIL ARC&UP ADMINISTRATION ADMIN (133-A492)
- 1,000.00 UWM FOUNDATION #383  
MILWAUKEE, WI
- 3,600.00 UWM FOUNDATION #670  
MILWAUKEE, WI
- 4,600.00
3. VARIOUS  
UWM MEN'S TRACK & CROSS COUNTRY SCHOLARSHIPS  
MIL STU AF INTRCOL ATHL-MEN CROS CNTRY (133-D743) 413.00
4. WISCONSIN RURAL REHABILITATION CORPORATION  
MADISON, WI  
WISCONSIN RURAL REHABILITATION CORPORATION  
SCHOLARSHIPS  
MIL NURS NURSING (133-9002) 4,515.00
- TOTAL MILWAUKEE 1,123,694.53  
=====

EXTENSION AND PUBLIC SERVICE	8,000.00
INSTRUCTION	72,678.00
LIBRARIES	30.00
MISCELLANEOUS	18,633.00
PHYSICAL PLANT	13,480.00
RESEARCH	395,189.53
STUDENT AID	615,684.00

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## UNIVERSITY OF WISCONSIN - EAU CLAIRE

## EXTENSION AND PUBLIC SERVICE

1. ADOLPH COORS COMPANY  
GOLDEN, CO  
RURAL INSTITUTE ON ALCOHOL AND DRUG ABUSE  
FOR THE PERIOD 01-07-87 THRU 12-31-87  
AWARD # AC380457  
EAU ET&PS GENERAL ADMIN LIBERAL ST (133-7038) 6,000.00
2. UW EAU CLAIRE FOUNDATION  
EAU CLAIRE, WI  
GLOBAL PEACE PROJECT  
FOR THE PERIOD 10-06-86 THRU 10-05-87  
EAU ET&PS GENERAL ADMIN LIBERAL ST (133-7042) 750.00

## INSTRUCTION

1. UW EAU CLAIRE FOUNDATION  
EAU CLAIRE, WI  
MINORITY RETENTION  
FOR THE PERIOD 07-01-86 THRU 06-30-87  
EAU G AC A EDUCATIONL OPPOR (133-7041) 13,000.00

## RESEARCH

1. DOD, AIR FORCE  
DAYTON, OH  
SYNTHESIS OF SOME NEW ENERGETIC MATERIALS  
FOR THE PERIOD 01-02-87 THROUGH 12-31-87  
AWARD # CO10287  
EAU ART&SC CHEMISTRY (144-7012) 20,000.00

## STUDENT AID

1. EDUCATION, DEPT OF  
WASHINGTON, DC  
PELL GRANT PROGRAM  
FOR THE PERIOD 07-01-86 THROUGH 06-30-87  
AWARD # PO08702954  
EAU ST AST ED OPPOR GRANTS (148-7039) 1,578,440.00

TOTAL EAU CLAIRE	1,618,190.00
	=====

EXTENSION AND PUBLIC SERVICE	6,750.00
INSTRUCTION	13,000.00
RESEARCH	20,000.00
STUDENT AID	1,578,440.00

GIFTS, GRANTS AND CONTRACTS  
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## UNIVERSITY OF WISCONSIN - GREEN BAY

## RESEARCH

1.	J. V. MANUFACTURING COMPANY DE PERE, WI SPECIFICATIONS FOR ABSORBENT MATERIALS GBY ENV SC SCI & ENVIR CHG	(133-H518)	500.00
2.	INDUSTRY RIVERS STUDY COMMITTEE GREEN BAY, WI IRSC RIVER MONITORING FIELD WORK FOR THE PERIOD 05-01-86 THRU 10-31-86 GBY I RES LAND&WATER STUDY	(133-K327)	3,162.50
3.	UPRIGHT, INC. ST. LOUIS, MO RESEARCH ON ABSORBENT CHARACTERISTICS OF SILICA GBY ENV SC SCI & ENVIR CHG	(133-L321)	1,000.00
4.	WISCONSIN PUBLIC SERVICE CORPORATION GREEN BAY, WI PRODUCT DEVELOPMENT FROM RECOVERY OF INDUSTRIAL RESOURCES GBY ENV SC SCI & ENVIR CHG	(133-L356)	23,189.00

## STUDENT AID

1.	EDUCATION, DEPT OF WASHINGTON, DC PELL GRANT PROGRAM FOR THE PERIOD 07-01-86 THROUGH 06-30-87 AT A TOTAL COST OF \$1,142,165.00 AWARD # PO08702950, MOD. 1 GBY ST AID FEL & SCHOL-AOG	(148-D087)	567,664.00
2.	MULTIPLE DONORS STUDENT FINANCIAL AID FUND-UWGB GBY ST AID FEL & SCHOL-AOG	(133-6986)	20.00
3.	WISCONSIN RURAL REHABILITATION CORPORATION MADISON, WI SCHOLARSHIPS FOR YOUNG PERSONS FROM WISCONSIN FAMILY FARMS WHO HAVE FINANCIAL NEED AND WHO ARE ENROLLED IN THE PROGRAM OF STUDIES FOR A STUDENT IN NURSING AT THE BELLIN MEMORIAL HOSPITAL SCHOOL OF NURSING GBY ST AID FEL & SCHOL-AOG	(133-9574)	850.50

TOTAL GREEN BAY	596,386.00
	=====

RESEARCH	27,851.50
STUDENT AID	568,534.50

GIFTS, GRANTS AND CONTRACTS  
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UNIVERSITY OF WISCONSIN - OSHKOSH

GIFT-IN-KIND

1. LINCOLN FOSTER YACHT SAILMAKERS  
TWO BANNERS TO BE GIVEN TO THE UW-O WOMEN'S  
ATHLETIC DEPARTMENT TO HANG ON THE WALL OF ALBEE  
HALL AND TO DRAPE SCORING TABLE FOR BASKETBALL.  
OSH SP&SVS INTER ATHLETICS
2. EVALYN BLUMER  
OSHKOSH, WI  
COLLECTION OF 10 ANTIQUE MAPS FOR USE BY GEOGRAPHY  
DEPARTMENT  
OSH L&S GEOGRAPHY
3. ROGER AND ANN CARR  
MEQUON, WI  
ONE (1) DOUGLAS MCLEOD, 22 FOOT, FIBERGLASS  
SAILBOAT INCLUDING THREE SAILS AND ENGINE.  
FOR USE BY THE TITAN SAILING CLUB.  
OSH SP&SVS
4. ROLAND WOODRUFF  
OSHKOSH, WI  
ONE (1) M-174 MELGES M-20 SAILBOAT WITH SAILS,  
HARDWARE AND TRAILER FOR USE BY THE TITAN SAILING  
CLUB.  
OSH SP&SVS
5. PATRICIA ANGLIM  
OSHKOSH, WI  
32 LONG-PLAYING CLASSICAL, FOLK AND POPULAR  
MUSIC ALBUMS FOR PROGRAMMING USE AT THE WRST-FM  
RADIO STATION.  
OSH L&S RADIO-TV-FILM

STUDENT AID

1. EDUCATION, DEPT OF WASHINGTON, DC PELL GRANT PROGRAM FOR THE PERIOD 07-01-86 THROUGH 06-30-87 AWARD # P008702956 OSH STU A ED OPPOR GRANTS	(148-4810)	766,877.00
TOTAL OSHKOSH		766,877.00 =====
STUDENT AID	766,877.00	

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## UNIVERSITY OF WISCONSIN - PARKSIDE

## GIFT-IN-KIND

1. FRED BEHROOZI  
RACINE, WI  
COMMODORE 64 COMPUTER  
PKS SC&SOC SCIENCE                      PHYSICS

## MISCELLANEOUS

1. MURPHY, ELIZABETH A.  
CHICAGO, IL  
WALLEN, VERONICA ANN MEMORIAL ENDOWMENT FUND (PKS)  
PKS SC&SOC SCIENCE                      ADMIN                      ( TRUST )                      50.00
2. REGIONAL STAFF DEVELOPMENT CENTER, 1986-87  
PKS G E A CHANCELLORS OFF ADMIN                      (133-J976)
- 2,338.00                      GATEWAY TECHNICAL INSTITUTE  
KENOSHA, WI
- 1,362.00                      MULTIPLE DONORS
- 10,000.00                      KENOSHA UNIFIED SCHOOL DIST., NO. 1  
KENOSHA, WI
- 1,700.00                      COUNTY OF RACINE  
RACINE, WI
- 1,190.00                      MULTIPLE DONORS
- 16,590.00
3. MULTIPLE DONORS  
PARKSIDE PRINT WORKSHOP  
PKS SC&SOC FINE ARTS                      ART                      (133-K826)                      1,090.60

## RESEARCH

1. WALLEN, VERONICA ANN MEMORIAL ENDOWMENT FUND (PKS)  
PKS SC&SOC SCIENCE                      ADMIN                      ( TRUST )
- 100.00                      WEISS, JO, ELLEN AND LOUIS  
CHICAGO, IL
- 250.00                      SNOW, LAETITIA HARRER-CHICAGO, IL                      \$                      50.00  
HAYES, WILLIAM J.-ROCKFORD, IL                      100.00  
SCHIFFMANN, MICHAEL AND NANCY-                      100.00  
PARK RIDGE, IL
- 350.00
2. IIT RESEARCH INSTITUTE  
WASHINGTON, DC  
PRIME CONTRACTOR WITH DOD NAVY  
A STUDY ON THE EFFECTS OF EXPOSING THE SLIME MOLD  
PHYSARUM POLYCEPHALEN TO ELECTROMAGNETIC FIELDS AT  
THE CLAM LAKE TEST FACILITY  
FOR THE PERIOD 04-09-84 THROUGH 08-31-87  
AT A TOTAL COST OF \$345,522.00  
AWARD # E06549-84-C-009, MOD. 6  
PKS SC&SOC SCIENCE                      LIFE SCI                      (144-U361)                      69,507.00

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

## UNIVERSITY OF WISCONSIN - PARKSIDE

## RESEARCH

- |    |   |            |            |           |
|----|---|------------|------------|-----------|
| 3. | JOHNSON (S.C.) AND SON, INC.<br>RACINE, WI<br>RESEARCH IN THE FIELD OF ELECTROMAGNETIC AND<br>DIELECTRIC MEASUREMENTS ON ANIMATE AND<br>INANIMATE SYSTEMS<br>PKS SC&SOC SCIENCE | LIFE SCI   | (133-L319) | 18,500.00 |
| 4. | KENOSHA COUNTY<br>KENOSHA, WI<br>1986 OMNIBUS SURVEY: REPORT ON AGED IN KENOSHA<br>COUNTY<br>PKS SC&SOC BEHAVIORAL SCI  | SOC-ANTHRO | (133-L339) | 500.00    |

## STUDENT AID

- |    |  |           |            |           |
|----|--|-----------|------------|-----------|
| 1. | UNIVERSITY OF WISCONSIN-PARKSIDE<br>BENEVOLENT FOUNDATION<br>KENOSHA, WI<br>GREENQUIST, KENNETH L.--MEMORIAL SCHOLARSHIP (PKS)<br>PKS BUS SV FELLOWS & SCHOLS  | ( TRUST ) |            | 75.00     |
| 2. | EDUCATION, DEPT OF<br>WASHINGTON, DC<br>PELL GRANT PROGRAM<br>FOR THE PERIOD 07-01-86 THROUGH 06-30-87<br>AT A TOTAL COST OF \$924,913.00<br>AWARD # PO08703238, MOD. 2<br>PKS BUS SV FELLOWS & SCHOLS   |           | (148-G087) | 83,422.00 |
| 3. | MULTIPLE DONORS<br>ART SCHOLARSHIP FUND<br>PKS BUS SV FELLOWS & SCHOLS   |           | (133-G128) | 600.00    |
| 4. | UWP BENEVOLENT FOUNDATION, INC.<br>KENOSHA, WI<br>ALUMNI ANNUAL FUND<br>PKS BUS SV FELLOWS & SCHOLS  |           | (133-G893) | 1,423.00  |
| 5. | MULTIPLE DONORS<br>SAHAG AKGULIAN ENGINEERING SCHOLARSHIP<br>PKS MOD IN ENGINEERING SCI ADMIN  |           | (133-J040) | 300.00    |
| 6. | PARKSIDE "200"<br>KENOSHA, WI<br>ATHLETIC SCHOLARSHIPS OR OTHER SCHOLARSHIPS AND TO<br>DEFRAY COST OF TUITION, BOOKS, AND SUPPLIES AT THE<br>DISCRETION OF THE ATHLETIC DIRECTOR<br>PKS ATH& I ATHLETICS | PROG DIR  | (133-7806) | 16,000.00 |

TOTAL PARKSIDE

208,407.60

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MISCELLANEOUS	17,730.60
RESEARCH	88,857.00
STUDENT AID	101,820.00

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

UNIVERSITY OF WISCONSIN - STEVENS POINT

EXTENSION AND PUBLIC SERVICE

1. WI DEPT OF PUBLIC INSTRUCTION  
MADISON, WI  
PRIME CONTRACTOR WITH DED  
INSERVICE EDUCATION FOR HOME ECONOMICS  
TEACHERS, K-12  
FOR THE PERIOD 12-03-86 THROUGH 06-30-87  
AWARD # P.O. PAG 01505  
STP COPS SCH OF HOME ECON (144-7208) 13,706.00  
  
TOTAL STEVENS POINT 13,706.00  
=====

EXTENSION AND PUBLIC SERVICE 13,706.00

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

UNIVERSITY OF WISCONSIN - STOUT

EXTENSION AND PUBLIC SERVICE

1. STOUT UNIVERSITY FOUNDATION, INC.  
MENOMONIE, WI  
GIFT OF MONEY FOR HDFLCES SYMPOSIUM  
FOR THE PERIOD 09-01-86 THRU 06-30-87  
STO H ECON HUMAN DEVELOPMNT HUMAN DEV (133-0364) 2,000.00

GIFT-IN-KIND

1. JOHN R. HUNT  
MENOMONIE, WI  
80-COLUMN TEXT CARD FOR APPLE IIE COMPUTER SYSTEM  
STO LIB ST MATHEMATICS
2. MARK MCALLUM AND MIKE SMITHYMAN  
RESTAURANT SYSTEMS, INC.  
MARIETTA, GA  
SOFTWARE PACKAGE FOR IBM XT MICRO COMPUTER:  
THE RESTAURANT OPERATIONS SYSTEM AND RESTAURANT  
FINANCIAL SYSTEM  
STO H ECON FOOD SCI & NUTR
3. ART AND JUDY MULLER  
MENOMONIE, WI  
"SIGNET" OBOE BY SELMER (WITH A LOW B-FLAT)  
SERIAL #MR 26246  
STO LIB ST MUSIC
4. CORONET FILMS, INC.  
DEERFIELD, IL  
FUNAI VIDEO SPECIAL CASSETTE PLAYER  
STO S SESS SUM SESS FACULTY LRNG RSCRS
5. SANNA DIVISION, BEATRICE FOODS  
MENOMONIE, WI  
MICROBIOLOGICAL MEDIA, ANTISERA AND ENRICHMENTS  
FOR FOOD MICROBIOLOGY  
STO LIB ST BIOLOGY
6. FIRST BANK AND TRUST  
MENOMONIE, WI  
NCR MINI-COMPUTER SYSTEM  
STO I&TECH GRAPHIC COMMUNIC
7. GREG BROCK  
MENOMONIE, WI  
SOFTWARE-SCREENWRITER  
STO H ECON
8. MARIE MCQUILLAN  
CHIPPEWA FALLS, WI  
COMMUNION DRESS  
STO H ECON APPAREL, TEX&DES
9. CAROLINE BOSWORTH  
CLEBURNE, TEXAS  
WEDDING DRESS  
STO H ECON APPAREL, TEX&DES



GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

UNIVERSITY OF WISCONSIN - STOUT

GIFT-IN-KIND

10. ROBERT BERKEMER  
MENOMONIE, WI  
MOBILE COMPUTER STAND WITH ADJUSTABLE KEYBOARD  
STAND  
STO I&TECH MATLS & PROCS'S
11. WILLIAM SULLIVAN/HEIDELBERG EASTERN, INC.  
PLYMOUTH, MN  
120 STAHL "FOLDING IN PRACTICE"  
STO I&TECH GRAPHIC COMMUNIC

INSTRUCTION

1. EDUCATION, DEPT OF  
WASHINGTON, DC  
SUPPLEMENTAL FUNDS TO SUPPORT STOUT'S  
COOPERATIVE EDUCATION PROGRAM  
FOR THE PERIOD 10-01-86 THROUGH 09-30-87  
AWARD # QOO-86-24-01217  
STO I&TECH SCH-IND&TECH ADM (144-0708) 16,686.00

RESEARCH

1. DIGESTIVE HEALTH CONSULTANTS  
MINNEAPOLIS, MN  
GIFT OF MONEY TO SUPPORT RESEARCH IN THE  
BUSINESS DEPARTMENT  
FOR THE PERIOD 07-01-86 THRU 06-30-87  
STO I&TECH CTR INVTN&DEVEL (133-0267) 200.00

TOTAL STOUT 18,886.00

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EXTENSION AND PUBLIC SERVICE	2,000.00
INSTRUCTION	16,686.00
RESEARCH	200.00

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

## UNIVERSITY OF WISCONSIN - SUPERIOR

## EXTENSION AND PUBLIC SERVICE

1. MULTIPLE DONORS  
21 DIFFERENT CONTRIBUTIONS FROM CORPORATIONS AND  
FOUNDATIONS FOR THE PURPOSE OF PROVIDING SUPPORT  
MONIES FOR STUDENTS IN NEED OF SUCH TO ATTEND  
SUMMER EDUCATIONAL PROGRAM TITLED "YOUTHSUMMER 85"  
SUP U RES OFF GRANTS & S P (133-0343) 10,840.60
2. MULTIPLE DONORS  
22 DIFFERENT CONTRIBUTIONS FROM CORPORATIONS AND  
FOUNDATIONS FOR THE PURPOSE OF PROVIDING SUPPORT  
MONIES FOR STUDENTS IN NEED OF SUCH TO ATTEND  
SUMMER EDUCATIONAL PROGRAM TITLED "YOUTHSUMMER 86"  
SUP U RES OFF GRANTS & S P (133-0344) 10,276.60

## GIFT-IN-KIND

1. ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C.  
USED ENERGY RELATED MASS SPECTROMETER  
SUP SCI&M CHEMISTRY
2. MR. KARL O. MCCONNELL  
SUPERIOR, WI  
FENNEL 5 INCH PRECISE TRANSIT  
SUP SCI&M

TOTAL SUPERIOR

21,117.20

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EXTENSION AND PUBLIC SERVICE 21,117.20

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

UNIVERSITY OF WISCONSIN - WHITEWATER

## GIFT-IN-KIND

1. MRS. KAREN GUNDERSON  
MR. JULIAN WEISSMAN  
NEW YORK, NEW YORK  
2 PAINTINGS BY NORRIS EMBRY AND XAVIER GONZALES  
2 LITHOS BY GEORGES ROUAULT AND SEQUIROS  
1 PRE-COLUMBIAN MASK  
WTW C ARTS ART
2. DR. STURGISS W. BAILEY  
MADISON, WI  
PROFESSOR STURGISS W. BAILEY'S PROFESSIONAL  
PERSONAL GEOLOGY LIBRARY.  
WTW L&S GEOGRAPHY-GEOL GEOLOGY

## INSTRUCTION

1. WI DEPT OF HEALTH & SOCIAL SERVICES  
MADISON, WI  
PRIME CONTRACTOR WITH DHHS PHS NIH  
ADDITIONAL CONTRACT FUNDS  
FOR THE PERIOD 01-01-87 THROUGH 03-31-87  
AWARD # CONTRACT DTD 01/06/87  
WTW G E A ASST CHAN-STU SV DISABL S S (144-0043) 11,250.00
2. WISCONSIN ARTS BOARD  
MADISON, WI  
PRIME CONTRACTOR WITH NEA  
POETRY FESTIVAL '87 TO BE HELD 4/30/87-5/1/87  
ANNUAL FESTIVAL DESIGNED TO INTEREST POETS  
FROM AREA WITH EVENTS SCHEDULED ON CAMPUS  
FOR THE PERIOD 04-01-87 THROUGH 06-30-87  
AWARD # LETTER DTD 12/26/86  
WTW L&S ENGLISH (144-0186) 1,000.00
3. WISCONSIN HUMANITIES COMMITTEE  
MADISON, WI  
PRIME CONTRACTOR WITH NEH  
"WOMEN'S HISTORY WEEK: WOMEN AND PEACE"  
TO BE HELD 3/10/87 ON UW-WHITEWATER CAMPUS  
TO ENHANCE THE APPRECIATION OF WOMEN'S  
CONTRIBUTION TO HISTORY  
FOR THE PERIOD 12-01-86 THROUGH 03-31-87  
AWARD # FY85-91-E803(P)  
WTW L&S DEAN OF L & S WOMENS STU (144-0022) 1,000.00

TOTAL WHITEWATER 13,250.00  
=====

INSTRUCTION 13,250.00

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

## UNIVERSITY OF WISCONSIN - CENTER SYSTEM

## GIFT-IN-KIND

1. FATTANEH EFTEKHARI  
WAUKESHA, WI  
BOOK: "PEACE, MORE THAN AN END TO WAR"  
CNS WAUK LIBRARY ADMIN
2. PROFESSOR MARY ELLEN YOUNG  
WAUKESHA, WI  
BOOK: "THE VILLARD HOUSES: LIFE STORY OF A  
LANDMARK"  
CNS WAUK LIBRARY ADMIN
3. RANDALL ROHE  
PEWAUKEE, WI  
MISCELLANEOUS BOOKS  
CNS WAUK LIBRARY ADMIN
4. RALPH KREENING  
ELM GROVE, WI  
ASSORTED MEDIA EQUIPMENT  
CNS WAUK ADMINISTRATION
5. ERIC HENRY  
BROOKFIELD, WI  
BOOK: "PAWN AND SYMBOLS"  
CNS WAUK LIBRARY ADMIN
6. JOHN MUENDEL  
WAUKESHA, WI  
ASSORTED RECORDS  
CNS WAUK LIBRARY ADMIN
7. MARTHA JANIS  
WHITEFISH BAY, WI  
48 BOOKS  
CNS WAUK LIBRARY ADMIN
8. MARY ELLEN YOUNG  
MILWAUKEE, WI  
MICHELLE STEINMETZ  
HARTLAND, WI  
BOOKS  
CNS WAUK LIBRARY ADMIN
9. MARY ELLEN YOUNG  
MILWAUKEE, WI  
BOOKS  
CNS WAUK LIBRARY ADMIN
10. THOMAS MOYLAN  
MILWAUKEE, WI  
BOOK: "DEMAND THE IMPOSSIBLE: SCIENCE FICTION AND  
THE UTOPIAN IMAGINATION", METHUEN, 1986  
CNS WAUK LIBRARY ADMIN
11. LEONARD COX  
WAUKESHA, WI  
NUMEROUS ROCK AND MINERAL SAMPLES  
CNS WAUK GEOGRAPHY

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

## UNIVERSITY OF WISCONSIN - CENTER SYSTEM

## GIFT-IN-KIND

12. ROBERT BAKER  
OCONOMOWOC, WI  
BOOK: "PETIT LAROUSSE ILLUSTRÉ", LIBRARIE LAROUSSE  
1978  
CNS WAUK LIBRARY ADMIN
13. MULTIPLE DONORS  
BOOKS AND MAGAZINES  
CNS WAUK LIBRARY ADMIN
14. DR. CARL KROG  
MARINETTE, WI  
ONE VOLUME: ROEBCKE, FROM BRIDGEPORT TO WRIGHTSTOWN  
CNS FOX VA LIBRARY ADMIN

## LIBRARIES

1. SKAGGS (L.J. AND MARY C.) FOUNDATION  
OAKLAND, CA  
THE NEW GROVE DICTIONARY OF MUSIC AND MUSICIANS  
CNS MANIT LIBRARY ADMIN (133-L382) 500.00

## MISCELLANEOUS

1. MULTIPLE DONORS  
UW-MARATHON COUNTY CAMPUS UNRESTRICTED GRANT  
CNS MARATH ADMINISTRATION (133-A575) 450.00
2. UNIVERSITY CENTER FOUNDATION, INC.  
MARSHFIELD, WI  
LAIRD FINE ARTS FUND  
CNS MARSH COMMUNICATN ARTS (133-L337) 22,135.75
3. WISCONSIN EARLY CHILDHOOD ASSOCIATION  
MADISON, WI  
MINIGRANT FOR PURCHASE OF TOYS AND CLASSROOM  
MATERIALS  
CNS MARIN STUDENT AFFAIRS DAY CARE C (133-L387) 200.00

TOTAL CENTER SYSTEM 23,285.75

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LIBRARIES 500.00  
MISCELLANEOUS 22,785.75

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

## UNIVERSITY OF WISCONSIN - EXTENSION

## EXTENSION AND PUBLIC SERVICE

1. WISCONSIN HUMANITIES COMMITTEE  
MADISON, WI  
PRIME CONTRACTOR WITH NEH  
ADMINISTRATION OF WISCONSIN HUMANITIES COMMITTEE  
FOR THE PERIOD 11-01-84 THROUGH 10-31-87  
AT A TOTAL COST OF \$340,593.00  
AWARD # 50-20508-85, MOD. 3  
EXT GEA SV W HUMANITIES COM (144-W088) 150,993.00
2. WISCONSIN HUMANITIES COMMITTEE  
MADISON, WI  
PRIME CONTRACTOR WITH NEH  
THE CONSTITUTION, THE INDIVIDUAL, AND  
THE COMMUNITY  
FOR THE PERIOD 11-01-86 THROUGH 10-31-87  
AWARD # AGREEMENT #87  
EXT GEA SV W HUMANITIES COM (144-Y717) 25,000.00
3. PUBLIC BROADCASTING SERVICE  
WASHINGTON, DC  
CABLE ROYALTY FEES FOR STATION SUPPORT  
EXT TELCOM WHA TELEVISION (133-H016) 50,832.68
4. PROGRAM UNDERWRITING FOR FY 87  
EXT TELCOM WHA TELEVISION (133-K474)
 

4,000.00	GRAPHIC MASTERS	
	MADISON, WI	
1,200.00	PET PLUS	
	MADISON, WI	
3,500.00	STAFFORD, ROSENBAUM, RIESER & HANSEN	
	MADISON, WI	
5,250.00	VIRCHOW, KRAUSE & COMPANY	
	MADISON, WI	
580.00	MULTIPLE DONORS	
		14,530.00
5. RAYOVAC CORPORATION  
MADISON, WI  
SIDRAN ON RECORD  
EXT TELCOM WHA RADIO (133-K741) 7,500.00
6. CORPORATION FOR PUBLIC BROADCASTING  
WASHINGTON, DC  
FY 1987 TELEVISION COMMUNITY SERVICE GRANT  
FOR THE PERIOD 10-01-86 THRU 09-30-88  
EXT TELCOM WHA TELEVISION (133-K986) 722,250.00
7. JUNEAU COUNTY  
MAUSTON, WI  
SUPPORT OF 4H AND YOUTH AGENT-JUNEAU COUNTY  
FOR THE PERIOD 01-01-87 THRU 12-31-87  
EXT COOP E CO&AREA OFC-CTRL (133-L325) 5,359.00

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

## UNIVERSITY OF WISCONSIN - EXTENSION

## EXTENSION AND PUBLIC SERVICE

8.	MARQUETTE COUNTY MONTELLO, WI COUNTY SUPPORT FOR AGRICULTURAL AGENT-MARQUETTE COUNTY FOR THE PERIOD 01-01-87 THRU 12-31-87 EXT COOP E CO&AREA OFC-CTRL (133-L326)	6,516.00
9.	RICHLAND COUNTY RICHLAND CENTER, WI SUPPORT FOR FULL-TIME 4-H YOUTH AGENT FOR THE PERIOD 01-01-87 THRU 06-30-87 EXT COOP E C&AREA OFC-SOUTH (133-L357)	11,590.00
10.	WISCONSIN PUBLIC BROADCASTING FDN., INC. MADISON, WI WISCONSIN PUBLIC RADIO MOBILE SATELLITE UPLINK PROJECT EXT TELCOM WHA RADIO (133-L371)	119,190.19
	TOTAL EXTENSION	1,113,760.87 =====
	EXTENSION AND PUBLIC SERVICE	1,113,760.87

GIFTS, GRANTS AND CONTRACTS  
MARCH 6, 1987

## UNIVERSITY OF WISCONSIN - CENTRAL ADMINISTRATION

## MISCELLANEOUS

- |    |   |           |          |
|----|---|-----------|----------|
| 1. | AMOCO FOUNDATION, INC<br>CHICAGO, IL<br>AMOCO FACULTY AWARDS (SA)<br>SA S AC A ACADEMIC AFFAIRS | ( TRUST ) | 4,750.00 |
| 2. | MULTIPLE DONORS<br>MARCUS, MARVIN FUND<br>SA PRES OFF OF THE PRES                               | ( TRUST ) | 20.00    |

## UNRESTRICTED

- |    |  |           |          |
|----|--|-----------|----------|
| 1. | AETNA LIFE AND CASUALTY CO<br>HARTFORD, CT<br>PRESIDENT'S SPECIAL FUND (SA)<br>SA PRES OFF OF THE PRES | ( TRUST ) | 1,049.83 |
|----|--|-----------|----------|

TOTAL CENTRAL ADMINISTRATION	5,819.83
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MISCELLANEOUS	4,770.00
UNRESTRICTED	1,049.83



MARCH 6, 1987  
 GIFTS, GRANTS AND CONTRACTS SUMMARY  
 ITEMS PROCESSED 01-17-87 THROUGH 02-13-87

	EXTENSION	INSTRUCTION	LIBRARIES	MISC.	PHY. PLANT	RESEARCH	STUDENT AID	UNRES.	TOTAL
CNTL ADM/UNIV WIDE	-0-	-0-	-0-	4,770	-0-	-0-	-0-	1,050	5,820
CENTER SYSTEM	-0-	-0-	500	22,786	-0-	-0-	-0-	-0-	23,286
EAU CLAIRE	6,750	13,000	-0-	-0-	-0-	20,000	1,578,440	-0-	1,618,190
EXTENSION	1,113,761	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1,113,761
GREEN BAY	-0-	-0-	-0-	-0-	-0-	27,852	568,535	-0-	596,386
LA CROSSE	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
MADISON	16,813	187,089	6,109	428,842	-0-	16,178,655	887,069	-0-	17,704,576
MILWAUKEE	8,000	72,678	30	18,633	13,480	395,190	615,684	-0-	1,123,695
OSHKOSH	-0-	-0-	-0-	-0-	-0-	-0-	766,877	-0-	766,877
PARKSIDE	-0-	-0-	-0-	17,731	-0-	88,857	101,820	-0-	208,408
PLATTEVILLE	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
RIVER FALLS	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
STEVENS POINT	13,706	-0-	-0-	-0-	-0-	-0-	-0-	-0-	13,706
STOUT	2,000	16,686	-0-	-0-	-0-	200	-0-	-0-	18,886
SUPERIOR	21,117	-0-	-0-	-0-	-0-	-0-	-0-	-0-	21,117
WHITEWATER	-0-	13,250	-0-	-0-	-0-	-0-	-0-	-0-	13,250
TOTAL MAR 1987	1,182,147	302,703	6,639	492,761	13,480	16,710,753	4,518,425	1,050	23,227,957
PREVIOUSLY REPORTED	9,253,278	14,296,877	721,156	8,950,756	2,002,587	133,897,910	48,450,723	162,599	217,735,886
GRAND TOTAL	10,435,425	14,599,580	727,795	9,443,517	2,016,067	150,608,663	52,969,148	163,648	240,963,843
TOTAL MAR 1986	322,038	562,572	9,816	558,377	191,000	18,459,707	8,881,755	5,490	28,990,755
PREVIOUSLY REPORTED	6,605,295	14,572,655	586,843	6,944,247	816,132	123,700,261	48,517,279	29,113	201,771,824
GRAND TOTAL	6,927,333	15,135,227	596,659	7,502,624	1,007,132	142,159,968	57,399,034	34,603	230,762,579
FEDERAL TOTAL MAR 1987	198,199	203,525	-0-	99,711	13,480	13,486,040	4,295,911	-0-	18,296,866
PREVIOUSLY REPORTED	4,121,543	11,091,697	108,950	2,390,484	1,360,623	98,168,258	45,366,172	-0-	162,607,727
FEDERAL GRAND TOTAL	4,319,742	11,295,222	108,950	2,490,195	1,374,103	111,654,299	49,662,083	-0-	180,904,593
FEDERAL TOTAL MAR 1986	195,515	482,600	-0-	27,399	-0-	15,416,869	8,610,955	-0-	24,733,338
PREVIOUSLY REPORTED	4,215,605	13,002,371	4,301	2,167,217	814,915	88,960,364	45,870,189	-0-	155,034,961
FEDERAL GRAND TOTAL	4,411,120	13,484,971	4,301	2,194,617	814,915	104,377,233	54,481,144	-0-	179,768,299

## ACCREDITATION: A STATEMENT OF PRINCIPLES

External reviews of academic programs are a useful and valuable means of protecting quality in higher education. They can generate suggestions for program improvement that are both specific and practical. Often, too, the stimulation they give to institutional self examination will produce improvements beyond those recommended by the accrediting body. Finally, the process of accreditation is itself a promoter of useful discussion about quality, standards, and performance in higher education.

For all of these reasons, even the strongest universities have an obligation to do their part to make accreditation work. To do so effectively, however, they must be able to argue that the accreditation process is fundamentally sound. They face a painful dilemma when they conclude that a particular accrediting agency has exceeded its competence or is using standards that relate less to quality of education than to disciplinary or professional self interest. They can, of course, consider the option of withdrawing. Even when that is feasible, it can only be viewed as a last resort. The best universities cannot withdraw from any accreditation process without damaging their credibility and the respect accorded to them by other institutions.

This suggests that every university has some obligation to be frank about its own expectations from accrediting bodies. What standards should the accrediting body itself meet in dealing with the universities it is designed to serve? In connection with any proposed accreditation the UW System believes it is appropriate to ask the accrediting agency to indicate its acceptance of or state its reservations in regard to the following principles:

1. *Evaluation must place its emphasis on the outcome of the educational process.*

Criticisms by accrediting teams directed at procedural or organizational details must be based on reasonable evidence that those details affect the performance of graduates or the quality of education provided to them. Where quantitative standards are cited or advice is offered on the organization of the instructional unit, structure of the curriculum, sequencing of courses, teaching loads, methods of instruction, graduation requirements, and designation of the degree or other credentials conferred, the university has a right to expect evidence of a reasonably direct relationship between what is being recommended and the ability of the program to achieve its goals.

2. *The standards applied in the accreditation process must not discourage experimentation, innovation or modernization, either in teaching methods or in the curriculum itself.*

An accrediting body can legitimately point out deficiencies it believes will result from a particular innovation. It can ask for assurance that the institution will provide the resources that the innovation will require, and it can insist on some plan of evaluation. What it must not do is impose standards that place obstacles in the way of originality, creativity, or innovation on the part of the faculty or the institution.

3. *Recommendations should be diagnostic, not prescriptive.*

For example, an accrediting agency could properly question whether there is enough effort to evaluate teaching performance, or whether student input on such evaluation is adequate, but it should not try to prescribe a particular form of or approach to evaluation.

4. *The accreditation report must explicitly recognize institutional diversity.*

Every university has its own unique resources, methodologies, special mission, and educational philosophy. In particular, the interplay among graduate education, undergraduate education, research and public service will differ greatly among programs and from one university to another. Each university can expect that accrediting teams will familiarize themselves with its special circumstances and resources and will take them into account in relation to the programs being reviewed.

5. *Accreditation should not encourage the isolation or self-containment of an academic program.*

In larger universities with substantial program depth, even the most specialized professional school can benefit by drawing upon the library holdings, courses being taught, research in progress, and faculty interests in other schools and colleges. A university can expect an accrediting team to file a report that shows awareness of these supporting resources and actively encourages their shared use.

6. *The burden of accreditation must be kept as light as possible, both for the institution being accredited and for the accreditation team.*

Size of team and duration of the accreditation visit should be limited to the minimum necessary for a productive review. Data requirements and other advance preparation should also be kept to a minimum, recognizing, however, that encouragement for self-study may be one of the best products of an accreditation review. Finally, there must be a reasonable, fair, and expeditious procedure for questioning conclusions of the accrediting body without elaborate interim or supplementary reviews or reports.

7. *The institution being accredited should be consulted as to the composition of the accrediting team, and has a right to expect that a majority of team members will be drawn from peer institutions and comparable programs.*

A useful evaluation requires substantial input from persons who are directly familiar with the nature of the institution and program being accredited. Without experience at comparable universities or in similar programs, not even the most careful observer can acquire such familiarity in the course of a brief team visit or by reading documents, however carefully prepared.

8. *In the case of professional schools, although there must be significant input from the profession itself, the ultimate authority over educational policies must remain firmly in the hands of the academic community.*

If a realistic program of training for a profession is to be offered, the contributions of practitioners must be solicited and welcomed. We do our students no favor if we fail to equip them to practice according to standards enunciated by the profession and by society in general. At the same time, universities cannot escape the ultimate responsibility for what they teach, how it is taught, by whom, and to whom. They cannot meet this obligation if final authority over standards and sanctions for academic programs rests largely in non-academic hands. Forging an effective partnership between the professions and the professional schools in this regard will continue to offer a major challenge and opportunity for both groups.

9. *The greatest help an accrediting agency can offer to a program is to demand that its educational goals be clearly stated and that the program be reasonably calculated to achieve those goals.*

An accrediting body can offer useful advice--but only advice--as to whether, in its opinion, the resources are adequate to meet program goals. The primary question must be whether these goals are being achieved, however, rather than whether square footage or salary levels or teacher-student ratios or telephone accessibility meet some arbitrary measure. The essential purpose of accreditation is to assure the prospective student and the public that necessary standards of quality are being satisfied. However meritorious it may be to advance the salaries, perquisites, or working conditions of the faculty or administration of the unit being evaluated, the accrediting process is not the proper vehicle to use for this purpose. An educational program is validated first and foremost by how well it accomplishes the goals set for it. This, in turn, rests ultimately on how well its students and graduates are able to perform--no matter how difficult that is to appraise or predict.

REPORT OF NONPERSONNEL ACTIONS BY ADMINISTRATIVE OFFICERS  
to the  
BOARD OF REGENTS  
AND INFORMATIONAL ITEMS REPORTED FOR THE REGENT RECORD

From February 05, through March 05, 1987

I. CONTRACTS AWARDED:

A. UW-MADISON

1. 1985-87 Union South-Red Oak Grill Addition  
(8507-23)
  - a. General Work  
Vogel Brothers Bldg. Corp., Madison \$336,204.00
  - b. Plumbing Work  
H. J. Pertzborn P & H, Madison 17,500.00
  - c. HVAC Work  
Sure-Fire Inc., Horicon 62,436.00
  - d. Electric Work  
Staff Electric Co., Inc., Milwaukee 35,400.00
  - e. TOTAL CONTRACT AWARDS \$451,540.00
2. 1985-87 1410 Johnson Drive, Room 116 Remodeling  
and 1986 Engineering Electro-Optics Lab  
Facility (8510-40)
  - a. General Work  
Gilbert Construction Corp., Verona \$ 26,000.00
  - b. Mechanical Work  
Hooper Construction Corp., Madison 98,250.00
  - c. Electric Work  
H & H Electric Co., Inc. 11,220.00
  - d. Asbestos Removal  
Michael T. Robinson & Assoc., Madison 7,800.00
  - e. TOTAL CONTRACT AWARDS \$143,270.00
3. 1985-87 Observatory Hill Office Building  
Architectural Barrier Removal (8604-34)
  - a. General Work  
Joe Daniels Construction Co., Inc., Madison \$ 18,322.00
  - b. Mechanical Work  
Midwest Mechanical Contr. Corp., Madison 3,845.00
  - c. Electric Work  
Town & Country Electric Inc., Appleton 1,346.00
  - d. TOTAL CONTRACT AWARDS \$ 23,513.00

3/6/87

I-2  
II-1  
III-1

**B. UW-MILWAUKEE**

- 1. 1986 Purin Hall Window Replacement (8604-13)
  - a. Window Replacement Work  
Simmons Building Prod. Inc., Milwaukee \$ 64,746.00
  - b. Tuckpointing Work  
Pukall Company, Inc., Cedarburg 6,150.00
  - c. TOTAL CONTRACT AWARDS \$ 70,896.00

**C. UW-OSHKOSH**

- 1. 1985 Breese and Donner Halls Water & Sanitary Sewer Piping Replacement (8511-17)
  - a. General Work  
Fluor Brothers Const. Co., Oshkosh \$ 57,200.00
  - b. Plumbing Work  
Reeke-Marold Co., Inc., Green Bay 120,310.00
  - c. Asbestos Abatement  
Michael T. Robinson & Assoc., Madison 4,900.00
  - d. TOTAL CONTRACT AWARDS \$182,410.00
- 2. 1985-87 Albee Hall Swimming Pool Filtration System Replacement (8604-18)
  - a. All Work  
August Winter & Sons Inc., Appleton \$ 39,400.00

**II. CONTRACT CHANGE ORDERS IN EXCESS OF \$30,000**

There are none to report this month.

**III. REPORT OF ACTIONS TAKEN (MEMOS OF AGREEMENT)**

School of Education - Agreement to provide

~~A. A Memorandum of Understanding with Dane County Head Start and the School of Education, Department of Educational Psychology whereby the Department's Psychoeducational Clinic will provide mental health consultation services to Dane County Head Start, and, at the same time, provide an essential training experience for students in the Department's graduate program. The agreement is for the time period of December 1986 through May 31, 1987.~~

Hospital - Renewal of lease

~~B. The renewal option on the lease for UW-Madison's University Hospital and Clinics Medical Clinic at 210 North Main Street, DeForest, has been exercised on the written request of the Director of Space Management. The lease is extended to March 31, 1988 and includes 1,280 square feet of space at an annual cost of \$10,476 (\$8.18 per square foot).~~

*Non-pus Item A*

*Non-pus Item B*

Computers - Lease of storage space

C. ~~The lease covering 3,800 square feet of environmentally controlled storage space, at 714-22 Williamson Street, has been signed by the Vice Chancellor for Administration. This space (which includes an additional 500 square feet over the original lease entered into on February 1, 1986) is used by UW-Madison's Administrative Data Processing for storage of computer equipment and paper. The renewal lease covers the period March 1, 1987 through February 29, 1988 at an annual cost of \$11,200 (\$2.97 per square foot). It is projected by ADP that this space (or its equivalent) will be needed until such time as suitable University-owned space becomes available.~~

*UW-Stevens Point - Bldg. & Land - Naming of women's softball*

*campus item ✓*

D. ~~Upon the recommendation of the University of Wisconsin Stevens Point Campus Facilities Naming Advisory Committee, the UW Stevens Point Chancellor will name the present women's softball field the "Diane McCarty Field". In making this recommendation to the Chancellor, the Advisory Committee reviewed supporting documentation from a number of individuals associated with the women's softball program and campus athletics, including the Director and Associate Director of Athletics. The formal naming will take place during a dedication ceremony planned by the Women's Athletic Fund Board in April 1987. This field will serve as a memorial to Miss McCarthy, an outstanding student who enrolled at UW-Stevens Point in August 1982 after graduating from Rhinelander High School in 1982. She was a member of the varsity softball team for two years before her death which occurred while she was playing softball in August 1984.~~

*Prof Names - Same, but add, "at UW-Stevens Pt."*

*campus item D*

D. University of Wisconsin Press Agreements:

AUTHOR

TITLE

✓ Rima D. Apple

What's a Mother to Do? Women and the Medicalization of Infant Feeding.

✓ James J. Bono

The "Word of God" and the "Language of Man": Interpreting Nature and the Classical Tradition in Early Modern Science and Medicine.

✓ Michael Kammen

Sovereignty and Liberty: Essays on American Liberty and the Living Constitution

✓ Mary Ellen Lamb

Reading Women in the English Renaissance: The Case of the Sidneys

George Levine (editor)

✓ "One Culture: Essays in Science and Literature"

Aldo Leopold Shack Foundation for Curt Meine (the author)

✓ Great Possessions: The Life and Work of Aldo Leopold"

✓ Joseph C. Miller

Way of Death: Merchant Capitalism and the Angolan Slave Trade, 1730-1830.

✓ Mary Zweip

Sisters in Paradise

IV. REPORT OF ACTIONS TAKEN BY THE DEPARTMENT OF ADMINISTRATION/DIVISION OF STATE FACILITIES MANAGEMENT ON SMALL PROJECTS AFFECTING THE UNIVERSITY OF WISCONSIN SYSTEM.

DECEMBER 1986

UNIVERSITY	PROJECT	ACTION
1. UW CENTER - MARINETTE:	Requested authority to plan, bid and/or secure proposals, and construct a 1985-87 Convert Exit Signs to Fluorescent Lamps project, for an estimated total project cost of \$2,570, 1985-87 General Fund Supported Borrowing - Energy Conservation Program funds.	APPROVED.
2. UW-EAU CLAIRE:	Requested authority to plan, bid, and construct a 1985-87 Fine Arts Center - Art Wing Ventilation Improvements project, for an estimated total project cost of \$112,000 (\$65,700, 1985-87 General Fund Supported Borrowing - Health, Safety & Environment Program funds; \$27,100, 1985-87 General Fund Supported Borrowing - Minimum Maintenance Program funds; and \$19,200, 1985-87 General Fund Supported Borrowing - Energy Conservation Program funds).	APPROVED.
	* * *	
	Requested authority to plan, bid and/or secure proposals, and construct a 1985-87 Heating Plant Boiler Blowdown Heat Recovery project, for an estimated total project cost of \$3,250, 1985-87 General Fund Supported Borrowing - Energy Conservation Program funds.	APPROVED.






# The University of Wisconsin System

Vice President for Physical Planning and Development  
1762 Van Hise Hall  
1220 Linden Drive  
Madison, Wisconsin 53706

March 13, 1987

To . Nancy Ives  
From: Paul L. Brown   
Subject: Handicapped Accessibility Law

At the March Board of Regent meeting, Regent Ody Fish raised a question about the handicapped accessibility portion of our UW-Whitewater Carlson Building TFPE project.

He maintains the handicapped accessibility law was in effect when this building was constructed in 1967. Therefore, why didn't we build to the code?

Would you please research the matter and prepare a response for me to send back to Ody.

PLB:cz



# The University of Wisconsin System

Vice President for Physical Planning and Development  
1762 Van Hise Hall, 1220 Linden Drive  
Madison, Wisconsin 53706  
(608) 262-6132

*see Judy's meeting  
file - Request Fish*

April 8, 1987

*(see p. 18 of minutes  
for indexing of this  
letter)*

Mr. Ody J. Fish  
P.O. Box 68  
Hartland, Wisconsin 53029

Dear Ody:

I wanted to follow up on the question you raised at the March meeting regarding the date of the federal handicapped accessibility legislation. You had expressed concern in context of a project at UW-Whitewater for modifications to the Carlson building, constructed in 1967.

The federal legislation, embodied in Section 504 of the Rehabilitation Act of 1973, affected recipients of federal funding, including Wisconsin's state agencies. As a result, Executive Order 83 was signed by Governor Lucey on July 19, 1974. This required all subsequent construction by the state to address access to the handicapped. The Executive Order also required state agencies to intensify efforts to retrofit facilities, and directed the Department of Administration to establish criteria, long range priorities, and recommend an implementation program to the Building Commission. The first all-agency appropriation for removal of architectural barriers was established in the 1979-81 biennium, while you were on the Building Commission.

Additional federal legislation was passed effective June 3, 1977 which prohibits any recipient of funding from the Department of Health, Education and Welfare from discriminating against handicapped individuals in how we hire, enroll, and provide services. According to Lew Stark (DOA accessibility coordinator), the only formal legislation in place regarding handicapped accessibility prior to 1974 was Sec. 66.616 Wis. Stats, which relates to curb cuts. That law has been in place since the mid-1960's.

In administering the all-agency appropriation, the Division of State Facilities Management requires that a building survey be completed to describe existing conditions and the proposed modifications. The state uses federal American National Standard Specifications (ANSI) for handicapped accessibility in all new construction and retrofits. While these standards were written initially in 1961, the state did not uniformly address handicapped accessibility until passage of the 1973 legislation. The 1973 law was based on a major revision of the 1961 guidelines. The ANSI specifications have been updated periodically, most recently in 1986. The updated standards are not retroactive, so if a building was considered accessible when it was built, and has not been remodeled, it is still considered accessible. If less than 25%

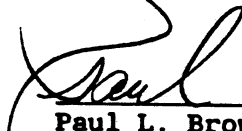
April 8, 1987

of the building is remodeled, only the remodeled space must conform with current standards. However, if more than 50% of a building is remodeled, then the entire building must be brought up to current handicap access requirements. I would like to point out that remodeling projects, including any required handicap access modifications, are largely funded through the development program, and not from the all-agency appropriation.

Around 1972, the recently established UW System was looking for a campus to adopt as part of its select mission the provision of facilities for the handicapped. UW-Whitewater became this campus, which was a good choice on a systemwide basis. Even its relatively new facilities, however, were largely inaccessible under terms of the 1973 legislation. The vertical access available by virtue of elevators, and an at-grade entrance do not ensure that the facilities and services in the building are usable. Much has been accomplished since that time to make facilities truly accessible, especially at UW-Whitewater.

I hope you find this information useful.

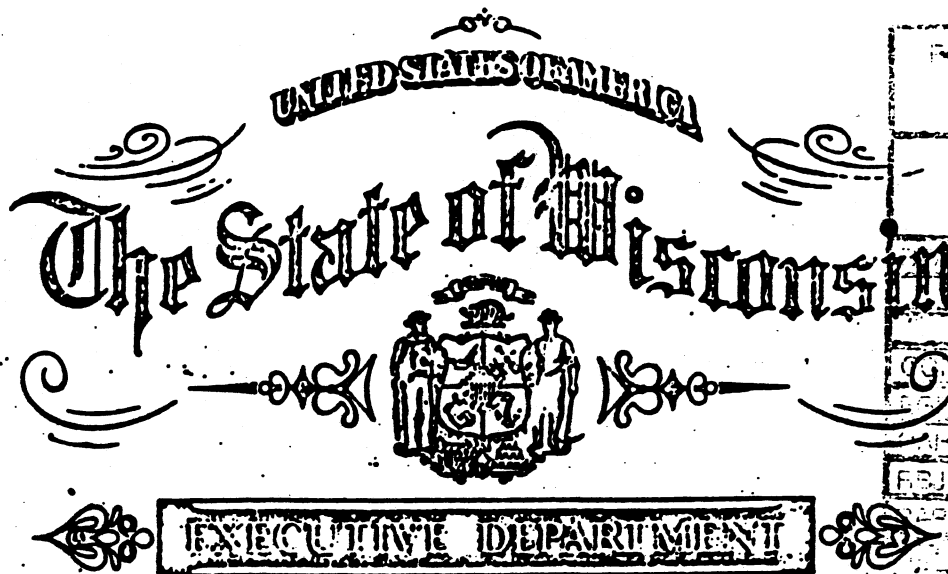
Sincerely,



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Paul L. Brown  
Vice President

cc: Bert Anderson  
Nancy Ives



RECEIVED CIVIL SYSTEM ARCHITECTURE AND ENGINEERING	
APR 2 1987	
WMB	
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**EXECUTIVE ORDER NO. 83**

WHEREAS, approximately 11% of Wisconsin's population is handicapped by a physical disability which limits their access to public and private buildings;

WHEREAS, buildings which are not designed to provide accessibility to such individuals represent a denial of basic civil rights and prevent a significant minority from receiving essential public services;

WHEREAS, all design professionals and all heads of State governmental agencies must consider the need to make our Wisconsin State facilities accessible to the total citizenry of the State in their future planning;


AND WHEREAS, the efforts described herein are an extension of the State's commitment to planning for accessible state facilities, as expressed in the 1975-77 budget instructions.

NOW, THEREFORE, I, PATRICK J. LUCEY, Governor of the State of Wisconsin, do hereby ORDER and DIRECT:

- 1) That all planning of new state facilities shall incorporate a commitment to barrier free design to afford usability by all people, including those with sight, hearing, and physical mobility problems;
- 2) That agencies which provide services to the public shall investigate and incorporate all practical management changes, such as changes in location of office space, which will provide more complete accessibility to the public;
- 3) That the Department of Administration shall establish criteria for the purpose of evaluating and identifying means of making existing state facilities more accessible for people with physical disabilities; establish priorities within a long range program to reflect responsible budget control and measurable accomplishment in this effort; and make recommendations to the Building Commission regarding actions to implement this program of providing accessibility to state facilities for people with physical disabilities, commencing in the 1975-77 budget period.
- 4) That, in cooperation with the Department of Administration, all state agencies shall intensify their efforts in making state facilities more accessible to people with physical disabilities, perform surveys of their facilities and provide whatever information is required to carry out the intent of this order.

UNITED STATES OF AMERICA

# The State of Wisconsin

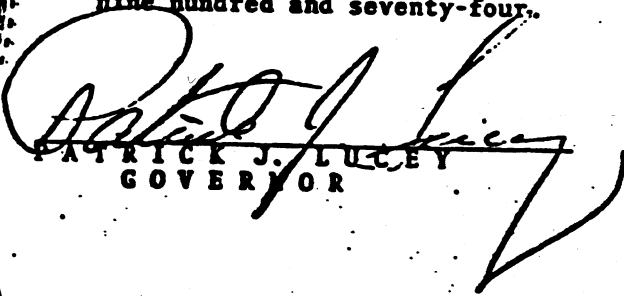


EXECUTIVE DEPARTMENT

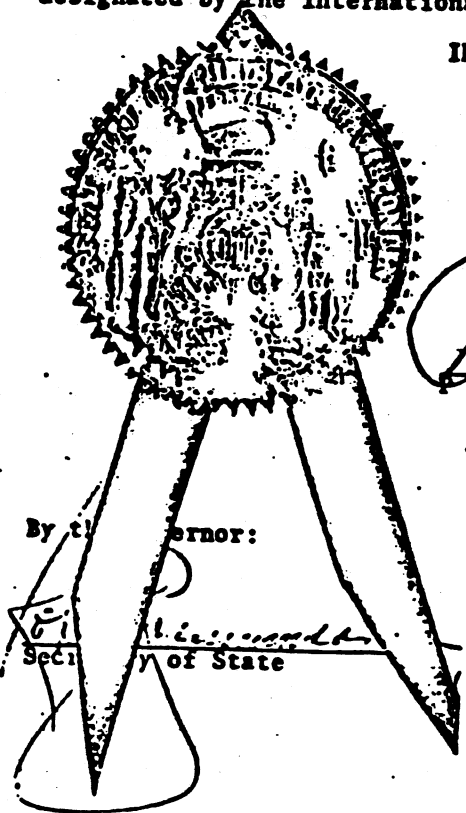
EXECUTIVE ORDER NO. 83

5) That all State facilities which are accessible shall be clearly designated by the international symbol of accessibility.

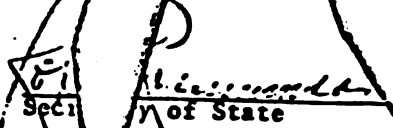
IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Wisconsin to be affixed. Done at the Capitol in the City of Madison, this nineteenth day of July in the year of our Lord one thousand nine hundred and seventy-four.



PATRICK J. LUCEY  
GOVERNOR



By the Governor:

  
Secretary of State



June 8, 1977

Employers may not refuse to hire handicapped persons if reasonable accommodations can be made by them to an individual's handicap and if the handicap does not impair the ability of the applicant or employer to do the specific job.

Employers may not require pre-employment physical examinations and may not make a pre-employment inquiry about whether a person is handicapped, or the nature or severity of a handicap, although employers may make a pre-employment inquiry into an applicant's ability to perform job-related functions. After an applicant has been offered a job on his qualifications, a medical examination can be required as a final determining factor.

All recipients of HEW funds must complete within one year a self-evaluation process, in consultation with handicapped individuals and organizations, to determine which of their policies and practices need to be changed to assure equal opportunity for handicapped Americans.

A college or university receiving federal funds also:

- 1) May not apply limitations upon the number or proportion of handicapped persons who may be admitted;
- 2) May not make use of any test or criterion for admission that has a disproportionate, adverse effect on handicapped persons or any class of handicapped persons unless (a) the test or criterion, as used by the recipient, has been validated as a predictor of success in the education program or activity in question and (b) alternate tests or criteria that have a less disproportionate, adverse effect are not shown by the director to be available. Admissions tests results also must "accurately reflect the applicant's aptitude or achievement level or whatever other factor the test purports to measure, rather than reflecting the applicant's impaired sensory, manual, or speaking skills (except where those skills are the factors that the test purports to measure)."

A recipient that offers physical education courses or that operates or sponsors intercollegiate, club, or intramural athletics "shall provide to qualified handicapped students an equal opportunity for participation in these activities." The regulation states that a recipient may offer to handicapped students physical education and athletic activities that are separate or different only if separation or differentiation is consistent with the requirements that the programs and activities are operated in the most integrated setting appropriate, and only if no qualified handicapped student is denied the opportunity to compete for teams or to participate in courses that are not separate or different.

Counseling and placement services must provide services to the handicapped without discrimination on the basis of handicap, and the institution "shall ensure that qualified handicapped students are not counseled toward more restrictive career objectives than are nonhandicapped students with similar interests and abilities."