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MINUTES OF THE REGULAR MEETING  
of the  
BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

Milwaukee, Wisconsin

May 6, 1988

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MINUTES OF THE REGULAR MEETING

of the

BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

Milwaukee, Wisconsin

Held in Room E245, Wisconsin Room West  
UW-Milwaukee Student Union

Friday, May 6, 1988  
9:00 a.m.

- President Weinstein presiding -

PRESENT: Regents Clusen, Davis, Doughty Luckhardt, Flores, Fish, Gerrard,  
Grover, Hanson, Hassett, Heckrodt, Jarvis, Lyon, Nicholas,  
Nikolay, Schilling, Vattendahl and Weinstein

ABSENT: None

Approval of Minutes

Minutes of the special meeting of the board held on April 7, 1988, and  
of the regular meeting held on April 8, 1988, were unanimously approved,  
upon motion by Regent Nikolay, seconded by Regent Jarvis.

REPORT OF THE PRESIDENT OF THE BOARD

Report on April 15, 1988, Meeting of the Higher Educational Aids Board, p. 1

Highlighting points of importance in the written report, Regent  
Nicholas indicated that program appropriations for 1988-89 would be higher  
than the preceding year--about \$36 million, as compared to \$34.9 million for  
1987-88--with all grant programs to receive an increase. In addition, there  
was to be a new nursing student loan program.

HEAB - (same)  
In general, he believed that the Higher Educational Aids Board grant  
programs helped to meet the needs of minority students in that those  
students received a larger percentage of the grants than majority students.



*Hospital - Council of Trustees - Report on honor to Regent Heckrodt & Eric Hagerup, patient activity, renaming UW Children's Hospital, - 2*

Report on the Council of Trustees of the UW Hospital and Clinics

Regent Flores, chair of the council, reported that the preceding day's meeting began by honoring two members of the Council of Trustees, Regent Frank Heckrodt and Mr. Eric Hagerup. Regent Heckrodt had completed his term and Mr. Hagerup resigned due to a move out of the state. Both were presented with certificates of appreciation for their service to the hospital and to the university.

Superintendent Gordon Derzon reported that the positive trend in patient activity during February and March continued through the month of April, with admissions up 4.7 percent and patient days up 4.2 percent over the previous April. It was predicted that the hospital would end this fiscal year with a slightly lower volume of inpatient activity and a modest increase in ambulatory care activity over the preceding year. Mr. Derzon noted that emergency room activity continued to grow and that, by July, there would be four full-time physicians dedicated exclusively to emergency programs.

*lease of medical space, budget, and possible alternate helipad, p. 2*

Vice Chancellor Noren reported that a recommendation to reestablish the name "University of Wisconsin Children's Hospital" was approved by the UW-Madison Academic Planning Council and the chancellor. The council adopted a resolution endorsing the chancellor's approval of this designation, which represented a reaffirmation of the hospital's role in providing comprehensive medical and surgical services to children. Mr. Derzon noted that the name "Children's Hospital" had been used for more than 50 years before the hospital moved to its present facilities in 1979. The designation required no additional resources nor any change in legal status of the UW Hospital and Clinics. This action of the UW-Madison Academic Planning Council, the chancellor, and the Council of Trustees was to be reported to System Administration the following week.

Dr. Noren also provided an update on the proposed lease of a medical office building for specialty clinics. The proposal currently was under review by the State Department of Administration, and it was hoped the proposal would be presented to the Board of Regents in the near future.

The hospital's preliminary 1988-89 budget proposal was presented for information and was discussed by the council, but no action was taken at the meeting. The council would formally review the final budget proposal and make a recommendation to the chancellor prior to presentation of the budget at the July Board of Regents meeting.

Dr. Carl Getto, Associate Dean/Director of Clinical Affairs, reviewed quality assurance activities and presented new medical staff appointments, which were approved by the council.

The council also adopted a resolution recommending that the chancellor continue to pursue a possible alternate helipad site, to address problems related to unusual summer weather conditions. The proposal, currently in a preliminary stage, would require Board of Regents approval in the future if it was decided to proceed with this project.

VTAE - Report on budget and governance p. 3

Report of the President of the VTAE Board

Regent Hassett, President of the State VTAE Board, reported that the board was generally satisfied with its budget, which provided a \$63 million increase, with the state to pay about 50 percent of the cost. In doing that, however, the Legislature reduced the millage rate from 1.5 to 1, which amounted to a dollar-for-dollar exchange. The state board accepted the reduction of the millage rate; but the local boards had requested the Governor to veto that reduction while also providing the \$63 million increase.

Pointing out that a major issue in the next five years would be future governance of the VTAE System, Regent Hassett observed that if 50 percent of cost or more were to be paid by the state, the Legislature and Governor probably would insist on an expanded role for the state board. He intended to make the matter a public issue, as he stepped down from the presidency in July, and to ask the Legislative Council to study the implications of a state-controlled system.

Mission - Report on

Mission Review Process, p. 3

President Weinstein pointed out that the proposed mission statement revisions had been presented to the regents the previous day for information purposes only. In June they would be considered by the Education Committee for recommendation to the board, after which the board would take action. Anyone wishing to make further comments on those statements could contact the chair on the Education Committee or the secretary of the Board, to request an appearance before the committee. Written statements also could be submitted. The purpose at this meeting was not to take public testimony but only to receive the report.

Public Hearings

President Weinstein noted that, in recent months, the regents had been heavily involved in public hearings on mission reviews, extension integration, and education of the minority/disadvantaged students. The hearings were well-attended and he thanked the regents for their participation.

Comments on Minority Initiatives and Extension Integration

President Weinstein observed that central to the role of the Board of Regents were the responsibilities to ensure the quality of the system and its responsiveness to the needs of the citizens. The proposals on minority initiatives and extension integration addressed both of those responsibilities. While parts of the proposals might not be completely satisfactory to everyone, he believed that, on balance, they represented the best thinking available and the best consensus possible.

Stating that he was comfortable with both propositions and was satisfied that they represented high quality work, he thanked President Shaw, his staff, the regents, faculty, chancellors, students, academic staff and others for their efforts and cooperation during the lengthy process.

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REPORT OF THE PRESIDENT OF THE SYSTEM

Approval of Nonpersonnel Actions/Informational Items

Resolution 4040 was moved by Regent Fish, seconded by Regent Schilling and unanimously adopted.

Resolution 4040: 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.

*Design for Diversity*

→ Action on Design for Diversity Minority/Disadvantaged Initiatives R 4041, PP 4-10

Adoption of the following resolution was moved by Regent Schilling and seconded by Regent Flores:

X ref Minutes - (same)

That the Board of Regents adopts President Kenneth A. Shaw's April 7, 1988, report entitled *Design for Diversity* and directs the President and institutions of the UW System to proceed with implementation of the recommendations contained in the report.

Noting that his presentation of *Design for Diversity* had been made the previous month, President Shaw addressed a question by Regent Davis about accountability by describing areas of responsibility for increasing minority faculty appointments. The first responsibility was setting of goals at the system level, as set forth in *Design for Diversity*, after which campus goals would be established. These might be greater or less than the system goal, depending on the location of the campus and its program mix. From those goals would evolve departmental goals, which would reflect institutional and system goals, as well as the available candidate pool.

At most institutions the request for permission to fill a position would go from the department to the dean or division head, and in some cases also would involve the vice chancellor and chancellor. Once approved, the position opening would be announced. At this early stage, it would be important that the position description and the plan for announcing the position be drawn to attract the widest range of qualified candidates. Overspecification of a sub-field or excessive reliance on years of experience might unnecessarily narrow the field of candidates. At this

point, it would be appropriate for deans and other administrators to ask how a perceived need for specialization or years of experience compared to the overall goal of increasing minority hires. While drawing of the position description was a responsibility of the department faculty, deans and other administrators should be involved, in terms of the relevant questions about how best to make the position attractive to minority candidates and how best to advertise it.

The next step would be for the department to establish a search committee, with responsibility for reviewing credentials, interviewing candidates, and recommending to the department or department head either a short list of candidates or one person for appointment. As part of the interview process, candidates often were asked to present a paper or a seminar on their current scholarly interests. Reference checks also were made.

Observing that these early stages of the process at the departmental level would have an important impact on greater success in attracting minority candidates, President Shaw noted that the composition of the search committee was a significant factor, to the extent that it would be more difficult to attract minority candidates if there were no minorities on the search committee and perhaps no minorities in the department itself. To address that concern, some institutions asked minority members of the larger faculty to assist them or asked the affirmative action or the equal opportunity office to provide assistance. The second important step at this point would be aggressive action to enhance the applicant pool by making calls and showing personal interest in expanding the pool.

The next important stage would be the choice of candidates to invite for interviews. Some institutions had urged that the highest ranked minority candidate in the pool be invited for an interview, wherever that person might be ranked in the pool. President Shaw felt this would be helpful, but only if that person could be a viable candidate.

Finally, the search committee would recommend a short list of candidates or one candidate to the full department faculty, to the department chair or to the executive committee, depending on the governance system. Once the finalists were determined, rank and salary would be considered. On the larger campuses, divisional committees also must approve the recommendation before forwarding it to the dean and the vice chancellor or the chancellor.

Usually, the department chair negotiated the appointment with the candidate, within the approved salary rank and range. Depending on the institution, the dean and other administrators might be involved at this point. If the salary were to exceed Group 6 of the Executive Pay Plan, regent approval would be required.

In summary, President Shaw stated that there were ways in which faculty searches could be structured to improve the chances for qualified minority candidates and that success in meeting faculty hiring goals systemwide required shared responsibility and shared accountability. Faculty had the governance right to search, to screen and recommend colleagues for appointment. Chancellors and other administrators had an obligation to see that the search and appointment procedures contribute to the achievement of

the larger institutional goals. They could not unilaterally appoint faculty, but neither should they accept whatever recommendations emerged from the search process if they believed that process was not appropriate to the institution's long-term goals.

Regent Davis indicated that his more focused concern related to shared accountability for results and how that accountability would be expressed.

Regent Weinstein noted that Appendix 5 of the report identified accountability for each initiative.

President Shaw indicated that, for example, if a department developed a position description that was too limiting, the administration would be accountable for questioning it. While the process should maximize the possibility of achieving the goals, results could not be guaranteed. However, there would be accountability for making every sincere effort to achieve the goals.

Regent Schilling inquired as to rewards for a department which succeeded in recruitment and retention of minority faculty.

President Shaw noted that the greatest reward would be in furthering institutional goals. In that regard, those advising departments on searches should actively identify steps which could be taken to achieve the goals. If a unit and an institution worked very hard toward its goals, provision of additional positions might be provided for recruitment in areas where there was a need and where it had been shown that effective recruitment could take place. Funds could be provided to support interviewing additional candidates, and minority hiring goals could be specifically included in departmental performance assessments. Other rewards stemming from successful achievement might involve supplies or equipment. In addition, chancellors' evaluations would be based in part on their institution's performance in this area.

Regent Hanson suggested that a more immediate type of reward would be public recognition of those who were particularly successful.

President Shaw added that modeling also should be an effective strategy. Future editions of *Wisconsin Ideas* and the new minority newsletter would highlight successful models which might be replicated for other programs.

Regent Fish stated that he intended to vote for the *Design for Diversity* and that he considered it an excellent program. He was somewhat concerned that discussion at this meeting had focused on faculty, rather than on student recruitment and retention, although the latter subject was addressed to a substantial degree in *Design for Diversity*. Noting that the pool of qualified minority faculty was limited, he cautioned that the problem would not be resolved by moving faculty from one institution to another. If one institution increased minority faculty at the expense of another, there would be no gain on an overall basis. It was his hope that the focus could be kept on recruiting and retaining minority students, so that the total pool could be enlarged.

Stating agreement with those comments, President Shaw noted that attention in the report was given not only to recruiting undergraduates, but also to the grow-your-own minority doctoral program and the Advanced Opportunity Program.

Regent Davis pointed out that the report set forth goals and activities in support of those goals, rather than "recommendations" as stated in the resolution.

President Weinstein suggested that the wording be changed to read "implementation of the report," and there was consensus with making that revision in the resolution.

Regent Doughty Luckhardt stated that she was uncomfortable with the \$6 million level of the expenditure by 1992-93. While the goal was admirable, she thought the money should be spent at the primary and secondary school levels in order to better prepare students for college.

President Shaw noted that the \$6 million level for 1992-93 represented less than one percent of the UW System budget and that the initial request would be \$1.8 million. In order to obtain those dollars, the program would have to be made a very high priority in the budget request. Most of the funds would be in the form of financial aid for qualified students and would be expended only if efforts to improve the quality of precollege preparation of students and their aspirations to go to college had positive results. The purpose of this proposal was to provide incentives for young people to take their studies seriously.

Regent Davis suggested that prior to incorporation of this program in the budget, there should be a review of whether to maintain or eliminate existing programs.

President Weinstein noted that a summary of financial aid programs had been provided to the regents at his request.

Referring to other recruitment/retention programs, Regent Davis asked if this additional funding would be added to what already existed or whether the total effort should be revisited, in an attempt to prioritize efforts and perhaps capture dollars which might be spent more effectively on other programs.

President Shaw replied that recruitment and support programs would be evaluated on an ongoing basis. Development of a common information base was to be completed this year, after which all minority programs would be placed on the same kind of program review cycle used for academic programs. When problems were found, programs would be changed or terminated, in which case dollars would be made available for other activities. He did not think, however, that significant funding for scholarships would be found in that way. It would be more likely that the funds would be put to better use in other support programs.

Regent Weinstein observed that one misunderstanding was that the state already provided \$8.9 million for minority/disadvantaged programs when in fact \$3.1 million of that amount came from campus reallocation, \$2.8 million from extramural funds, and \$2.9 million from GPR/fees provided by the UW System.

In response to a question by Regent Davis, President Shaw indicated that, in addition to the current \$8.9 million, there was also about \$4.5 million for financial aid.

Regent Nicholas asked if it was correct to assume that, if satisfactory progress did not result from the initiatives, the entire funding amount recommended in the report would not be requested or expended. President Shaw replied in the affirmative.

In response to a further question by Regent Nicholas, President Shaw indicated that the \$6 million identified for use by 1992 would be in addition to current expenditures. However, a great deal of internal reallocation also would need to occur for program development and other activities for which funds were not being requested. With regard to the financial incentive program, it was estimated that approximately one half of the economically disadvantaged in the state were non-minority people and that a proportionate amount of funding probably would go to students from that group.

Regent Nicholas found that estimate helpful in addressing his concern about fairness and equity regarding monies spent only for minority students.

Regent Schilling inquired as to how coordination of effort would be assured, not only among system institutions, but also with the Department of Public Instruction and other agencies, and to what extent the new assistant for minority affairs would be responsible for such coordination.

President Shaw replied that coordination and sharing of information to ensure that there was support for one another's activities, and not duplication of activities, would be an important part of his own responsibility and that of the new assistant.

Regent Weinstein recalled that a year ago United Council had urged the board to support required courses in ethnic studies. Today, that requirement was included in *Design for Diversity*.

Regent Fish pointed out that the resolution addressed the goals and activities set forth in the report, rather than the matter of funding, which would be acted upon in the budget process. He cautioned, however, that, in addition to the fact that the institutions might in reality have few funds to reallocate, there was the potential for legislative disapproval of there being any funds available for that purpose. Reallocation might send the message that there was extra money in the budget.

Regent Nicholas said the focus could be placed on priority setting rather than on reallocation.

In response to a question by Regent Doughty Luckhardt, President Shaw indicated that, while the \$8.9 million in current expenditures included some precollege programs, additional monies would not be requested for that purpose. There was cooperation with the Department of Public Instruction on a number of programs, and efforts for precollege students would focus on advising them about their opportunities through the information center and the 500 community leaders who would help counsel them.



Regent Hanson commented that the Department of Public Instruction and the high schools should be encouraged to intensify their efforts, since it was their responsibility to educate students to the college level. While the UW System could offer assistance, adequate preparation for college should not be viewed as a university responsibility.

As an example of DPI's efforts, Regent Grover mentioned the precollege scholarship program through which 1,000 minority children in grade 6 and beyond had been taken to college campuses the past summer at a cost of \$250 each for a week's stay. The purpose was to show them the opportunity that was available and motivate them toward college. DPI had requested \$500,000 to double the number of students in that program. The Legislature did not provide the money, and Regent Grover had been disappointed by lack of support for the request. If \$1 million could be obtained, 4,000 minority students per year could benefit from this kind of experience.

Noting that this was only one of the ways to put a "circuit breaker" in the lives of minority children, he added that another way would be full funding for disadvantaged children to attend pre-school, which would be available in 1990 as a result of recent legislative action. He agreed with Regents Doughty Luckhardt and Hanson that it was necessary to invest in these children or they would be in no position to benefit from university programs.

Regent Schilling asked if Regents Grover and Hassett saw the plan as having elements that would encourage greater cooperation between the university, DPI and the VTAE System.

Regent Grover cautioned that, while the report contained language to that effect, results would depend on the vitality created by mutual cooperation. Noting that schools were hampered by high pupil/teacher ratios and other problems resulting from insufficient resources, he observed that the need to properly educate children remained a major public policy issue in America.

Stating his strong support for the report, Regent Hassett said there was currently a great deal of cooperation between the universities and the VTAE districts, with the institutions in Milwaukee doing particularly effective work. One problem which remained was an overall tendency to encourage minority students to go to universities, when some of them might be better suited to the VTAE System.

Regent Weinstein said he looked forward to the day when the two systems could recruit together for the success of the student, rather than competing with each other. Noting that Goal 7 of the report addressed linkages with DPI and VTAE, he thought it wise not to specify in too much detail what those linkages should be, especially since the State VTAE Board could not always speak for the districts.

Stating that President Shaw and his staff should be commended for the report, Regent Flores cautioned, however, that the difficulty would be in implementation, particularly since the commitment would have to be widely shared in order to succeed. For example, he said, it would be necessary to sell the plan to the Legislature, make certain people at all levels of the universities implemented it, and involve the families of the students in



providing motivation. He thought one of the most difficult aspects would be to obtain the needed funding since there was always intense competition for scarce dollars. The board, therefore, would have to make an on-going commitment to the success of the plan.

Regent Lyon commented that the report had been carefully developed, with input from sources across the state and adequate safeguards for expenditure of funds. If the plan proved successful, he thought there should be no regret about spending the amount of money to be requested. He cautioned, however, that the greatest difficulty might be in maintaining the current level of momentum into the 1990s.

In response to a question by Regent Weinstein regarding proposed codes of student conduct, President Shaw explained that guidelines to help the institutions with that process would be distributed by July 1. Noting that UW-Madison already had written a proposed code, he indicated that this plan and others might require revision of Ch. UWS 17 of the Administrative Code, which would require institutional consideration, a formal public hearing, and legislative approval--a process which could take up to a year to complete. Institutional proposals would be reviewed for consistency with UWS 17, as well as other laws and rules. Those that were consistent would be presented to the board for information and could be implemented quickly. For those which would require a change in UWS 17, the more lengthy process would have to be followed.

Resolution 4041 was adopted on a voice vote, with Regents Doughty Luckhardt and Nikolay voting "No."

Resolution 4041: That the Board of Regents adopts President Kenneth A. Shaw's April 7, 1988, report entitled *Design for Diversity* and directs the President and institutions of the UW System to proceed with implementation of the report.

UW-Extension

Action on Extension Integration Recommendations, R 4042, pp 10-17

Adoption of the following resolution was moved by Regent Schilling and seconded by Regent Lyon:

Resolution 4042: WHEREAS: The Board of Regents in Resolution 2558 of April 9, 1982, adopted a policy calling for the integration of the extension function within the University of Wisconsin System; and

WHEREAS: The implementation of this policy, while substantially achieved, requires further effort to ensure the realization of its purpose to improve and expand extension programming by making extension an integral function of the departments, colleges, and schools of each University of Wisconsin System institution; therefore

X ref Regent - Policy - (same)

BE IT RESOLVED: That,

The Board of Regents:

Upon the recommendation of the President of the University of Wisconsin System, reaffirms its Resolution 2558 of April 9, 1982, endorsing the principles, policies and recommendations of the Special Regent Study Committee on Extension, including:

1. Integration of extension faculty and programs with the faculties and programs of the other institutions of the UW System;
2. Annual allocation of funds and positions from UW-Extension to the other UW institutions on the basis of interinstitutional agreements;
3. UW-Extension leadership responsibility for program coordination, statewide planning, and budget accountability for the UW System extension function;
4. Reconfirmation of the charge that UW-Extension, in cooperation with the other UW institutions, develop and expand, through reprogramming and reallocations, the internal budget and personnel flexibility required to meet changing societal needs;
5. Encouragement of interaction and cooperation between UW-Extension and other state agencies and the VTAE System to avoid duplication of effort and to maximize effective use of state resources.

The Board further approves, upon the recommendation of the President of the University of Wisconsin System, the following policies to enhance implementation of integration and to strengthen the extension function of the UW System through:

1. Establishment of structures to enhance statewide planning, coordination and communication among related disciplines and program areas of the UW institutions, between the UW-Extension Cooperative and General Extension divisions, between county and campus-based faculty and staff, and between UW-Extension and the other UW institutions.
2. Establishment of joint appointments to allow integrated extension faculty and staff to participate in UW-Extension institutional governance and in statewide extension program planning and development.

3. Establishment of a role for UW-Extension in personnel decisions for integrated faculty and staff holding Cooperative and General Extension appointments in the UW institutions.
4. Consistent use of the term "extension" to identify UW institutional extension units, faculty and staff and programs within the statewide extension function.
5. Incorporation of UW institutional extension programs currently conducted outside the interinstitutional agreements within the program planning and coordination of UW-Extension.

TO IMPLEMENT THESE POLICIES,

The Board of Regents, upon the recommendation of the President of the University of Wisconsin System:

FURTHER RESOLVES: That,

The President of the University of Wisconsin System shall charge:

The Chancellor of UW-Extension, in consultation with the other UW institutional Chancellors, to develop and implement as soon as feasible:

1. Structures, protocols, and procedures for improved communication and coordination of statewide extension programming between UW-Extension and the other institutions, between the Cooperative and General Extension divisions, between county and campus-based faculty and staff, and among the related disciplines and program areas of the various UW institutions.
2. A format for uniform identification of extension units, programs and faculty and staff of the UW institutions.
3. And shall report to the UW System President by December 1, 1988, on the development of these structures and procedures.

The President of the University of Wisconsin System shall direct the UW System Vice President for Academic Affairs to establish a working group of Vice Chancellors and the Deans of General and Cooperative Extension, with appropriate staff support, to:

1. Review and update ACIS-5 to respond to the foregoing Regent policy directives.
2. Review, improve, and streamline reporting instruments and instructions for the institutional reporting system, to include the entire range of credit and noncredit extension activities.
3. Develop a protocol for reporting information on extension planning to UW System Administration to enable it to monitor effectively the implementation of integration, including interinstitutional communications, program planning and development, the interinstitutional agreement process, and the system of accountability.
4. Develop criteria to define extension activities that should fall within the coordination, planning and budgetary control of the interinstitutional agreements.
5. Provide rationales and guidelines for the conduct of independent campus extension activities.
6. Consider the issue of institutional budgetary flexibility in relation to the statewide extension plan and the annual interinstitutional agreements, and recommend the degree of flexibility necessary within the interinstitutional agreements to meet emerging local needs.
7. Establish protocols defining the nature and extent of UW-Extension involvement in personnel decisions for integrated extension faculty and staff, to include:
  - definitions and procedures to implement joint appointments within the context of integration;
  - considerations that affect the allocation of extension faculty positions;
  - format and time line for approval of position descriptions;
  - procedures to allow UW-Extension administrators a consultative role in decisions on faculty searches, salary increases, promotion and tenure;
  - recognition that tenure and promotion decisions will remain within the authority of campuses to which the positions are assigned.
8. Report to the UW System President by December 1, 1988, on implementation of the Working Group recommendations, and on the proposed modifications of ACIS-5.

The President of the UW System shall review the progress of integration and the recommendations of the UW-Extension Chancellor and the UW System Vice President's Working Group, and shall inform the Board by its February 1989 meeting of modifications of ACIS-5 and other measures taken to implement Regent policy.

Upon the recommendation of the President of the University of Wisconsin System, the Board also approves continuation of the .5 FTE position of the Dean of University Outreach at the UW-Madison.

President Shaw indicated that the recommendations included in this resolution were based on the progress report on integration presented to the board in December 1987, on the public hearings held in December and January, on institutional responses to a series of questions posed by Regent Weinstein, on a review by a team of consultants and institutional responses to the consultants' recommendations, and on suggestions made by regents during discussion at the April meeting. The resolution also called for a number of activities to be undertaken by a special committee to flesh out the policies as set forth, with a report on the committee's work to be presented to the board in February 1989. That would be followed by annual reports on the progress of integration. Noting that an issue had arisen concerning the nature of joint appointments, he called on Vice President Trani to describe the issue and clarify the meaning of joint appointments as intended in the resolution.

Vice President Trani referred to language in the resolution which called for "the establishment of joint appointments to allow integrated faculty and staff to participate in the UW Extension institutional governance and in statewide planning and development." The purpose of appointments on this basis was to have a statewide, multi-institutional, multi-disciplinary core of faculty who would be able to participate more actively in extension policy-making and collaborate with faculty colleagues who shared their interest in advancing extension education. These appointments would be made for general extension faculty as well as the faculty of cooperative extension. Joint appointments and protocols governing personnel procedures for integrated faculty would provide a basis for appropriate UW-Extension involvement in the hiring and promotion of those holding budgeted extension faculty appointments.

There were concerns about the effect of such appointments on the part of both faculty and institutional administrators who questioned whether this institutional split of faculty roles and responsibility would undermine the principle of integration and create bureaucratic complexities, causing confusion, insecurity and unnecessary work loads for the integrated faculty members. In recognition of such concerns, the resolution included a directive to the UW System Vice President for Academic Affairs to establish a working group to "establish protocols defining the nature and extent of UW-Extension involvement in personnel decisions for integrated extension faculty and staff to include the definition and procedures to implement joint appointments within the context of integration." Stating that the success of an integrated extension system required a cooperative and open process of resolving differences in reaching agreement on institutional

responsibility and on the role of integrated faculty, he said the working group would need to establish this cooperation on a broad base of issues. In particular, it would need to resolve at least the following questions about joint appointments:

First, which positions are appropriate for joint appointments--whether, for example, such appointments should apply to those integrated faculty whose salaries were funded at more than 50 percent, or whether appointments on this basis should be continuous or only for the terms warranted by the level of budget support.

Second, whether joint appointments would apply to new hires or to faculty holding unitary appointments at the present time.

And, third, what specific responsibilities for individual faculty would come with joint appointments.

In order to preserve the principle of integration, UW-Extension would not establish academic departments for integrated faculty, leaving the principal academic homes on the campuses where they were integrated. Further, there would be no split tenure appointments, leaving integrated faculty full members of the faculty and covered by the personnel system of their residential institutions. However, UW-Extension would have a defined, consultative role and responsibility in the hiring, retention, and promotion of integrated faculty.

It was Dr. Trani's intention to do everything possible to foster cooperation and genuine agreement among all UW institutions to make the structure of statewide coordination work in practice. He believed the resolution provided a structure that would make possible cooperation needed to achieve a truly operational integration.

In reply to a question by Regent Schilling, Vice President Trani said the working group was to report to the president by December 1, and that he would report to the board in February.

Noting that the integration policy was now six years old, Regent Schilling asked if the regents could have confidence that what remained to be done to conclude this matter would be in place by February.

Vice President Trani responded in the affirmative.

Regent Weinstein remarked that the regents might serve as observers to the working group, and he asked that the board be informed of the meetings.

Regent Heckrodt expressed concern about the power vested in the working group through the language which stated that the president shall direct the University System vice president for academic affairs to establish a working group to establish protocols. He asked if the working group would have final authority or if there would be board review of the protocols and whether UW-Extension would have the opportunity to react to the group's conclusions.

Vice President Trani noted that UW-Extension would have three representatives on the working group: the vice chancellor and the deans of general and cooperative extension. The group's recommendations would be made to the president, who would bring them to the board.

Regent Heckrodt asked if final approval would be by the board, and Dr. Trani responded in the affirmative.

Regent Weinstein expressed agreement with Regent Heckrodt's concern, adding that it would be difficult for the board to make changes if the group's recommendations already were being implemented.

Because of the importance of this issue, President Shaw indicated that the recommendations would be brought to the board prior to implementation. He intended to resolve any differences before that time.

Regent Heckrodt commented that the board should make the final decision because extension represents a broad interest throughout the state.

Stating that she was pleased to see specificity in the instructions to the working group, Regent Clusen commented that these questions should have been settled over the last six years. She was impatient about the fact that this had not happened and therefore was pleased with the February deadline for reporting back to the board. She thought the message should be conveyed clearly to the working group that the task should be completed expeditiously.

Vice President Trani added that also to be recognized was the major progress made since 1982, including integration of faculty into departments on residential campuses. He viewed the remaining issues as the last ten percent of problems in a major administrative change. By February, those remaining problems would be resolved.

Stating his support for the resolution, Regent Lyon observed that it addressed the needs of solidifying the budget process and strengthening the planning and program coordination functions. In addition, he thought it would be possible for the working group to develop a satisfactory definition of joint appointments. One remaining concern was that representation on the working group and input to its deliberations should be properly apportioned, so that the argument could not legitimately be made later that viewpoints were not fairly represented.

Vice President Trani replied that, to avoid the potential for that kind of problem, it was intended that the working group's recommendations would be shared through the normal administrative processes for extensive review at the institutions.

In response to a question by Regent Grover, Dr. Trani said he expected the working group would be composed of nine members, including the UW-Extension vice chancellor; the deans of general and cooperative extension; the vice chancellors of UW-Madison and UW-Milwaukee; probably two other vice chancellors; and system Assistant Vice President Al Beaver.

Regent Grover observed that there was a great deal at stake in successful completion of this process--the Wisconsin Idea, the extension function, and the way in which the university displayed itself beyond the

institutional setting to the people of the state. He shared Regent Lyon's concern about assuring fairness in representation and added that, in his view, the composition of the working group was weighted against UW-Extension. Remarking that the regents were essentially in agreement as to extension integration, he said there would be insistence that the working group process result in recommendations that were balanced, equitable and reflective of the Wisconsin Idea.

Noting that he and President Shaw had great confidence in the vice chancellors, Dr. Trani added that, in the last two years, the vice chancellors had assumed a larger view within the UW System and had handled many difficult issues, including mission statements, centers of excellence, and remedial education. It was his conviction that the individuals appointed to the working group would rise above any narrowly focused issues and that the committee would be structured in a way that would bring forth satisfactory results.

Put to the vote, Resolution 4042 was adopted. (Regent Davis asked the secretary to record him as abstaining from the vote.)

President Shaw noted that, even with resolution of remaining issues in the February 1989 report, it was likely that there would be other differences that would surface as a result of ongoing activity. Annual reports would provide the regents with updated information.

Economic Development

Presentation on "Partners" in Economic Development Project, pp 17-21

Noting that a year ago he had convened a series of 13 statewide round table meetings with business and industry leaders, President Shaw said these meetings produced a clear consensus that the UW System was regarded as one of the state's greatest economic development assets and that system institutions were making substantial contributions to business and industry through first-rate teaching, research and public service. He was advised that these types of contributions should be publicized more widely so that citizens could understand better what the system had done and could do to foster the state's economic development.

Presenting to the board the newest edition of the *Directory of University Resources for Business and Industry*, President Shaw noted that this fourth edition was dedicated to Robert Swanson, Chancellor Emeritus of UW-Stout, who chaired the directory working group since its inception, and to the late Robert Marshall, professor and former dean of the UW-Madison School of Engineering and director of university/industry research at UW-Madison. The directory, which covered the broad range of services available to business and industry from UW System faculty and staff, was available at no cost to the citizens of Wisconsin. While the directory was a product of all system institutions, the president especially recognized Shirley Wisner and Denis Dale of system staff for their work in editing, compiling and designing the book. He also thanked members of the directory working group for their time and effort: UW-Milwaukee Graduate School Dean George Keulks; UW-Whitewater Business School Dean Joseph Domitrz; and University Relations Assistant Vice President David Martin.



The previous day, President Shaw had met with the Governor and Department of Development Secretary Bruno Maurer to present to them the first copies of the directory and to describe how it would be distributed. He also told the Governor and the Secretary that UW System outreach efforts this year would go far beyond the directory, through a coordinated systemwide public information effort entitled "Partners." The "Partners" project featured a video and related print materials, to be used by regents, chancellors, and others in meeting with service clubs, civic and professional groups, staff, students, alumni and advocates, in order to provide such groups with a better idea of what the university meant to the economic development of Wisconsin.

President Shaw then presented the video, which was accompanied by the following narrative:

"Resources--natural resources, human resources. Wisconsin will need all its resources, working in partnership to progress in the years ahead. Increased foreign competition, changing demographics, loss of manufacturing and other challenges face Wisconsin's economy. New technology may spell the difference between industries and states prepared for the future and those left behind.

"Well-educated citizens and a highly trained work force are crucial to Wisconsin's economic development. Fortunately, Wisconsin has a long tradition of commitment to excellence in elementary, secondary, vocational and technical, and higher education. A recent survey ranked Wisconsin's educational system ninth in the nation and first in the Great Lakes region. Quality education is not restricted to a few. The state ranks near the top in the percentage enrolled in public higher education. In Wisconsin, public higher education means the University of Wisconsin System--13 universities, 13 freshman-sophomore centers and a statewide extension. Wisconsin is the fourth largest public university system in the country. More than 160,000 students are enrolled at its campuses. UW-Extension provides continuing education and other public service to the state's population each year. The UW System has three missions: teaching, research, and public service--all important building blocks for Wisconsin's economic development.

"Quality of teaching within the UW System can be measured in many ways by its students--like those at UW-Eau Claire who passed the CPA exams at a rate that puts their school in the top ten nationally, year after year. La Crosse, Milwaukee, Madison and Whitewater also rank high in these exams. UW System alumni head major American corporations. Still another measure of quality in the University of Wisconsin System is clearly its faculty. Outstanding professors at campuses throughout the state work hard to prepare their students for the future in a wide variety of disciplines.

"The University of Wisconsin System ranks among the top public institutions in the country in research and development. Last year faculty attracted close to \$185 million in research funds from non-state tax dollars. That translates into more than 3,500 jobs. And each research dollar can conservatively be expected to have a multiplier effect on local communities up to three times the original amount. Research also directly benefits many Wisconsin industries--one example developed by UW-Madison's College of Engineering. This punch implanted with nitrogen can last 50 times as long as a conventional press, dramatically cutting production costs.

"Another example is biopulping. The Madison-based Forest Products Laboratory adds fungus to wood chips--the result: paper up to five times stronger with less pollution. This process could have major implications for Wisconsin's extensive forest products industry. So could techniques in fire science developed at UW-Stevens Point. Using fire management as an ecological tool helps maintain Wisconsin's state parks and increase commercial lumber production. Implement manufacturers, farmers and utilities capitalize on advice from UW-River Falls on agricultural equipment and energy systems. UW-Green Bay's Institute for Land and Water Studies conducts in-depth research on water quality and monitoring issues. Research into robotics, facilities design and micro-computer techniques is conducted by UW-Platteville's highly regarded Industrial and Mechanical Engineering Department. UW-Milwaukee Engineering has developed a way to use water as a clean, cost-efficient cutting tool. Several firms are using it successfully. UW-Madison's agricultural research helps find new uses and markets for Wisconsin's abundant and quality dairy products.

"Wisconsin's Governor and State Legislature have recognized the important role UW research plays in economic development. Two new programs relating to economic development were approved in 1987. Distinguished professorships help recruit and retain key faculty with expertise to help business and industry. Initial awards went to Chong-Maw Chen, of UW-Parkside, whose plant hormone research using recombinant DNA has attracted international attention; Robert F. Hart, UW-Oshkosh, an authority in the field of statistical process control; Alan C. Filley, UW-Madison, for his research into business management; John R. Nevin, of UW-Madison, for his marketing expertise; Urban Wemmerlov, UW-Madison, for his work in manufacturing; and Y. Austin Chang, of UW-Madison, for mineral engineering research. State government also authorized annual funding for applied research. These projects include studies to improve fishing waters in northern Wisconsin, find new uses for Wisconsin's lumber, upgrade ground-water quality, enhance corn and other plant production, reduce papermill waste, and generate more useful maps.

"The University of Wisconsin System shares its expertise with a wide variety of users. Companies using industrial chemicals rely on the Lake Superior Center of Environmental Studies at UW-Superior to help set criteria for safe levels of chemicals in water. Small business owners are helped by UW-Extension's ten small business development centers throughout the state. Each year, nearly 17,000 people benefit from workshops and individual counseling.

"Inventors get their ideas evaluated by experts for a minimal consultation fee at the Wisconsin Innovation Service Center, a small business development center on the UW-Whitewater campus. Manufacturers receive consultations and sometimes are part of a larger commitment, such as award-winning efforts by UW-Stout and the Case IH Company of Wausau. Faculty and staff worked with the company to redesign the plant's manufacturing capacity. It stayed open when similar plants closed. Businesses with data collection needs can contact the UW-La Crosse data collection and analysis service for expertise on research design, market research and other analysis. Companies seeking to reach foreign markets benefit from international business centers in Milwaukee and Madison. Industries get help in research discoveries relative to their needs at UW-Milwaukee's industrial research and technology transfer programs.

Industries also pool research funds by joining groups such as UW-Madison's highly regarded Biotechnology Consortium. Cities benefit by innovative programs like the UW-Milwaukee's School of Architecture and Urban Planning international design competition. Designers worldwide are competing for \$125,000 in prizes for the best prototypes of the industrial city of the future.

"To inform businesses of these services, newsletters, workshops, seminars and innovative telecommunications methods are used. The most comprehensive source of information is the *Directory of University Resources for Business and Industry*. Updated every two years, the free guide gives quick access to contacts systemwide.

"Alone, the UW System can do only a small part of the crucial job of economic development. Together, working as a partner with state government, private industry and others, the University of Wisconsin System will help Wisconsin compete in the twenty-first century with confidence and pride."

President Shaw recognized Lari Fanlund and Kenneth Warren of the System University Relations staff for their special efforts in writing and producing "Partners."

In addition to the video and new directory, University Relations also commissioned the Survey Research Laboratory of UW-Extension to conduct a survey of Wisconsin business and industry, to measure the extent to which the services of the university were used by business, as well as the opinions of the owners and managers toward these services. It was rewarding to note among the findings, the president said, that 93 percent of the business owners or managers in Wisconsin rated the UW System as doing an excellent or good job for the people of the state. Eighty percent believed the amount of money the state was spending on the UW System was either about right or not enough; and 80 percent of the business sector agreed that the UW System is either extremely important or very important to the Wisconsin economy. The survey also disclosed, however, that about a third of the business sector said they did not know how to use UW System services or what services were available. The "Partners" project was designed to help bridge that information gap.

In response to a question by Regent Hassett, Vice President Bornstein indicated that the directory was being distributed with the assistance of the Wisconsin Association of Manufacturers and Commerce, and was being mailed directly to business leaders who had participated in the round table meetings. In addition, Assistant Vice President David Martin was distributing the directory through chambers of commerce across the state.

Regent Hassett noted that he had encouraged the VTAE System to prepare a similar video. He suggested that in the future, the two systems might consider a joint video showing services and programs available through both systems.

Noting the criticism that had been leveled at the university in recent years by the business community, Regent Flores commended President Shaw and Vice President Bornstein for their ability to create an attitude of partnership.

Regent Grover also commented that President Shaw had made outstanding progress in promoting positive change.

UW-Milwaukee - Presentation

UW-Milwaukee Presentation: World Cities Project, pp 21-23

Introducing Professor Carl Patton, Dean of the School of Architecture and Urban Planning, Chancellor Smith noted that, under Dean Patton's direction, the school, which was the only such school in the UW System, had remarkably enhanced its national and international reputation by developing programs, by attracting research grants and contracts, and by organizing and participating in design competitions--all of which justified its current designation as a Center of Excellence. Dean Patton received a bachelor's degree in community planning from the University of Cincinnati, master's degrees in urban planning and public administration from the University of Illinois-Urbana, and master's and Ph.D. degrees in public policy from the University of California-Berkeley. The School of Architecture and Urban Planning had gained campus agreement for a major renovation and extension of Engelmann Hall which housed the school. At the present time, 45 percent of the school's faculty had funded research grants.

Dean Patton spoke about an international design competition which was to be first in a series of five competitions to take place between now and the year 2000, the purpose being to focus attention on social and physical problems of cities. The subject of the first competition was the City of Milwaukee. The intention was to produce planning and design concepts for Milwaukee for the year 2020. This was the first time the Union of International Architects, representing 108 countries, had sanctioned a concept competition of this nature, which was to be the largest planning and design competition ever held. To advertise the competition, 30,000 posters in English and French, the languages of the Union of International Architects, were to be distributed. It was expected that there would be 2,000 entries, which would be displayed in the arena in the Bradley Center in June 1989. The prize of \$125,000 was intended to attract worldwide attention to this competition and to bring the best minds in planning and architecture to the problems of cities and of Milwaukee in particular.

The competition already was under way, with the program to be mailed to entrants in July. Members of architecture and planning firms from 36 countries had entered to date, with entries from about 100 countries expected.

Introducing the video developed for the competition, Dean Patton said thousands of copies had been distributed worldwide. Its purpose was to describe Milwaukee to potential entrants and also to outline the design challenge. The half a million dollars needed to run the competition had been raised from 16 foundations, corporations, and businesses in the Milwaukee area, as well as contributions from the State of Wisconsin and from UW-Milwaukee. The video was prepared by MATC, as its contribution to the competition.

Dean Patton then showed the video, which began by describing Milwaukee's history and character. The competition participants were to build on this background to create a city of vision which would balance human, commercial and environmental imperatives. Milwaukee was described as a city of immigrants that grew and flourished in the age of industrialization. "This smokestack city searching for identity in an age of economic transition has its counterparts throughout the world. Milwaukee is a test case, the city to be explored for the international city design competition."

The video showed Milwaukee's topography and described its size and location. It was noted that American Indians had settled here and that immigrants in the 1830s came from New England, Old England, Ireland, Norway and especially from Germany. Milwaukee became the most German city west of Berlin. The immigrants made Milwaukee a major port, exchanging wheat and hogs for finished goods from the East. After the Civil War, commerce gave way to industry, and immigrants came from Poland, Italy, Greece, and Yugoslavia. By 1910 more than half the workforce was in manufacturing and immigrants and children made up 75 percent of the population. The concentration of industry and immigrants gave Milwaukee a character that persisted to the present. In the years after World War I, Milwaukee moved from the prosperity of the 1920s, to the depression of the 1930s, to the patriotism of World War II. After the war came decentralization, with cars carrying families to new communities on the urban fringe. In the 1970s, suburbanites outnumbered city residents, resulting in increased traffic, fragmentation of the extended family, and economic and racial separation. One third of Milwaukee's jobs remained in manufacturing, but the industrial character had changed, with Milwaukee's economy currently embracing the information and service age.

Problems for the city included the shift to a different economic base and the need to stimulate involvement of Blacks, Hispanics and Asians. There was an increasingly large underclass of people who saw no hope for success. The question was whether architects and planners could help devise solutions to such problems: What could be done to fulfill the need for community, to reconcile the excitement of diversity with the need for security, and to attract and hold quality business/industry?

The video then outlined the four design requirements for the competition.

The first design challenge was the central business district where new construction was changing Milwaukee's downtown--office buildings, a theater complex, new residential structures, a sports arena. A "walking city," amenities were located close at hand. Some early industry remained, as well as homes built before 1900.

The second design challenge was West Allis, a community of 65,000 which grew around heavy industry, a base which now was gone. Patterns here were homogenous and established. Home ownership was the symbol of economic stability and small businesses provided personalized service to largely blue collar citizens.

The third design challenge was a planned community of the 1930s. Greendale was built as a residential oasis--a government project to cope with massive unemployment. Families passed their property from generation to generation. Then Greendale and its neighbor, Greenfield became suburbia, with a shopping mall and commercial strips. Homes of the middle and upper middle classes were located around the mall, supplying buying power and an array of career skills.

The fourth design challenge was the question of growth along the highway corridor between Milwaukee and Chicago. Much of this land currently was agricultural, although there were also factory and housing clusters.

Regent Hanson asked if entries from Indonesia were expected in the competition.

Replying in the affirmative, Dean Patton added that entries from Malaysia and Singapore also were expected from that part of the world.

#### Legislative Status Report

President Weinstein called attention to the report which had been distributed. There were no questions or comments.

#### REPORT OF THE EDUCATION COMMITTEE

Chairman Grover presented the report of the committee.

#### Informational Report on Mission Statements, p. 23

The first agenda item, a discussion to which all regents were invited, was an informational report on mission statements.

#### Report of the Vice President

#### Agreement with Moscow State University

Reporting on a visit to Madison by a delegation from Moscow State University, Chancellor Shalala advised the committee that the meetings, which concluded earlier in the week, involved signing a protocol--the first step in development of a formal agreement for scientific cooperation between Moscow State University and UW-Madison. The agreement included provisions for exchange of faculty and students between the two institutions, for joint scientific research by the two institutions and for joint production of a journal.



Awards - Report on → Faculty awards, p. 24

It was reported to the committee that a number of faculty had recently received important awards. Professor Samuel J. Gellman, UW-Madison, was one of 15 biomedical researchers named Searle Scholars by the Chicago Community Trust.

Two faculty members had been awarded 1988 Guggenheim Fellowships: Margot Peters, Professor of English, UW-Whitewater; and Howard D. Weinbrot, Professor of English, UW-Madison.

The 61 new members elected to the National Academy of Sciences this spring included four members of the UW-Madison faculty: Professor Stanley D. Beck, Entomology; Professor Lawrence F. Dahl, Chemistry; Professor T. Kent Kirk, Bacteriology; and Professor Eldon H. Newcomb, chairman of the Botany Department and a pioneer in plant cell biology.

UW-Milwaukee - → UW-Milwaukee Presentation, Center for Twentieth Century Studies, p. 24

Regent Grover reported that Professor Kathleen Woodward, Director of the Center for Twentieth Century Studies, UW-Milwaukee, made an interesting presentation to the committee.

Vilas Trust - → Acceptance of Proffer by Trustees of the William F. Vilas Trust Estate for Support of Scholarships, Fellowships, Professorships, and Special Programs in Arts and Humanities, R4043, pp 24-27

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

Resolution 4043: That the Board of Regents of the University of Wisconsin System gratefully accepts the proffer by the Trustees of the William F. Vilas Trust Estate (copy dated April 20, 1988, on file), of the sum of \$844,670.00 for the year 1988-89 for the maintenance of the Scholarships, Fellowships, and Professorships with their respective auxiliary allowances, Vilas Associates in Arts and Humanities, Retirement Benefits and three one-time special fundings, to be expended in the following order:

- |  |              |
|--|--------------|
| (1) Continuation of 10 Vilas Undergraduate Scholarships at \$400.00 each | \$ 4,000.00  |
| (2) Continuation of 10 Vilas Graduate Fellowships:                       |              |
| a. 5 at \$600.00 each  | \$ 3,000.00  |
| b. 5 Traveling Fellowships at \$1,500.00 each                            | 7,500.00     |
|  | \$ 10,500.00 |

- (3) For Continuation of the salaries and for the respective allowances as recommended by the Regents of 16 Vilas Research Professorships:

Leonard Berkowitz - Vilas Research Professor of Psychology, College of Letters and Science, UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

R. Byron Bird - Vilas Research Professor of Chemical Engineering, College of Engineering, UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

George E. P. Box - Vilas Research Professor of Mathematics and Statistics, College of Letters and Science, UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

Arthur S. Goldberger - Vilas Research Professor of Economics, College of Letters and Science, UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

Reinhold Grimm - Vilas Research Professor of Comparative Literature and German, College of Letters and Science, UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

Ihab Hassan - Vilas Research Professor of English and Comparative Literature, College of Letters and Science, UW-Milwaukee

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

Robert M. Hauser - Vilas Research Professor of Sociology, College of Letters and Science, UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00



Jost Hermand - Vilas Research Professor of  
German, College of Letters and Science,  
UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

H. Jerome Keisler - Vilas Research Professor  
of Mathematics, College of Letters and Science,  
UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

Willard F. Mueller - Vilas Research Professor  
of Agricultural Economics, College of Agricultural  
and Life Sciences, UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowances	15,000.00	
		\$ 25,000.00

Walter Rudin - Vilas Research Professor of  
Mathematics, College of Letters and Science,  
UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

Yi-Fu Tuan - Vilas Research Professor of Geography,  
College of Letters and Science, UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

Jan Vansina - Vilas Research Professor of History,  
College of Letters and Science, UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

Howard Weinbrot - Vilas Research Professor of  
English, College of Letters and Science,  
UW-Madison

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

To Be Appointed

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00

To Be Appointed

Salary	\$ 10,000.00	
Auxiliary Allowance	15,000.00	
		\$ 25,000.00
(4) a. Continuation of fifty (50) additional scholarships at \$400.00 each	\$ 20,000.00	
b. Continuation of fifty (50) additional fellowships at \$600.00 each	30,000.00	
		\$ 50,000.00
(5) Continuation of eighty (80) additional scholarships at \$400.00 each under the provisions of Paragraph (3), Article 4 of the Deed of Gift and Conveyance by the Trustees of the Estate of William F. Vilas		\$ 32,000.00
As to the one hundred thirty (130) additional Vilas Scholarships and the fifty (50) additional Vilas Fellowships provided for in paragraphs four (4) and five (5) above, the Regents will bear in mind the provisions of the Will requiring that the additional Fellowships will be (a) awarded to graduates of the University of Wisconsin, and (b) the further provisions of the Will that for at least one-fifth of these scholarships and fellowships the Regents shall give preference in appointment from among worthy and qualified black candidates, if such present themselves. Otherwise, they shall be governed in like manner as the others.		
(6) Retirement benefits for six (6) Vilas Professors (Fellman, Hurst, Lardy, Sanchez-Barbudo, Sewell, Willard) at \$2,500.00 each		\$ 15,000.00
(7) Eighteen (18) Vilas Associates in Arts and Humanities		\$278,000.00
(8) One-time special funding for:		
Professor Leonard Berkowitz	\$ 3,000.00	
Professor George Box	37,170.00	
Professor Ihab Hassan	15,000.00	
		\$ 55,170.00
Total		\$844,670.00

*Vilas Trust -*

Acceptance of Proffer by Trustees of the William F. Vilas Trust Estate for Support of Music, R 4044, p. 28

Upon motion by Regent Grover, seconded by Regent Vattendahl, the following resolution, which was unanimously approved by the committee, was adopted unanimously by the board:

Resolution 4044: That, the Board of Regents of the University of Wisconsin System gratefully accepts the gift by the Trustees of the William F. Vilas Trust Estate (copy dated April 20, 1988, on file), of \$32,485.57 for the academic year 1988-89, for the encouragement of merit and talent, or to promote appreciation of and taste for the art of music, in connection with university instruction therein, to be used for the following purposes:

- 1. UW-Madison: Festival of 14th-16th Century Music \$ 17,485.57
  - 2. UW-Milwaukee: 1989 International Art Song Festival \$ 15,000.00
- \$ 32,485.57

*UW-Superior -*

Five-Year Review: B.S.N. Degree Completion Program, ~~UW-Superior~~ R 4045

Reporting unanimous committee approval of Resolution 4045, Regent Grover noted that the Bachelor of Science in Nursing degree completion program at UW-Superior was approved by the Board of Regents in 1981 and was currently in its sixth year of operation, with a joint five-year review scheduled during this academic year. UW-Superior's attempt in 1985 to acquire National League of Nursing accreditation was, however, unsuccessful; and the university was informed that, in order for the program to be accredited by the National League of Nursing, substantial additional financial and human resources would have to be committed. UW-Superior decided that it was not in the best interests of the institution as a whole to shift resources from other programs which were already financially strapped, in order to build the nursing program to a position where it could be accredited.

p. 28

A number of regents questioned whether a nursing program should be discontinued when a shortage of nurses was projected for Wisconsin. Vice President Trani reported that, if the UW-Superior program were discontinued, there still would be five nursing programs in the UW System at UW-Madison, UW-Milwaukee, UW-Eau Claire, UW-Oshkosh, and UW-Green Bay.

Resolution 4045 was unanimously adopted by the board, upon motion by Regent Grover, seconded by Regent Hanson.

Resolution 4045: That, upon the recommendation of the Chancellor of the University of Wisconsin-Superior and the President of the University of Wisconsin System, the Bachelor of Science in Nursing Completion Degree Program offered by the University of Wisconsin-Superior be discontinued, effective June 30, 1989.

*Housing*

Approval of Institutional Policy on Campaigning in Residence Halls, pursuant to UWS 18.06(16m), UW-Madison, R 4046, p. 29

Regent Grover reported unanimous committee approval of Resolution 4046. It was noted that at the meeting in March, the board approved separate rules regulating the distribution of political literature and political campaigning for twelve UW institutions which had state-owned residence halls, pursuant to sec. 36.11(1)(cm), Wis. Stats. The process provided for the residence halls' students to develop their own policies, which then were subject to approval by the board. When the board met in March, UW-Madison was still in the process of developing its policy, which now was before the board for approval.

*Ref. Campaigning - (same)*

The following resolution was moved by Regent Grover, seconded by Regent Flores, and adopted unanimously by the board.

Resolution 4046: That, upon the recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the Board of Regents approves the implementation policy under s. UWS 18.06(16m), Wisconsin Administrative Code, of the University of Wisconsin-Madison.

*Authorizations to Recruit*

Authorization to Recruit: Associate Professor, Law School, ~~UW-Madison~~ R 4047

*p. 29*

The committee unanimously approved Resolution 4047, which required authorization because the salary could exceed the maximum of Group 6 of the Executive Pay Plan.

*Recruitments* - *see Authorizations to Recruit*

Upon motion by Regent Grover, seconded by Regent Hassett, Resolution 4047 was adopted unanimously by the board.

Resolution 4047: That, upon the recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the Board of Regents approves the request of the Chancellor to recruit for an Associate Professor or Professor in the Law School, University of Wisconsin-Madison.

Named Professorships

Regent Grover presented Resolutions 4048 and 4049, which were approved by the committee in closed session.

Resolution 4048 was unanimously adopted by the board, upon motion by Regent Grover, seconded by Regent Flores.

*Professorships - Status changed for*

Resolution 4048: That, upon the recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the status of ~~William J. Courtenay~~ be changed from Professor, Department of History, College of Letters and Science, to Charles Homer Haskins Professor, Department of History, College of Letters and Science, University of Wisconsin-Madison, effective July 1, 1988;

upon the recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the status of ~~Ray F. Evert~~ be changed from Professor, Department of Botany, College of Letters and Science, and Department of Plant Pathology, College of Agricultural and Life Sciences, to Katherine Esau Professor, Department of Botany, College of Letters and Science, and Department of Plant Pathology, College of Agricultural and Life Sciences, University of Wisconsin-Madison, effective July 1, 1988;

upon the recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the status of ~~Elaine Marks~~ be changed from Professor, Department of French and Italian and Women's Studies Program, College of Letters and Science, to Germaine Bree Professor, Department of French and Italian and Women's Studies Program, College of Letters and Science, University of Wisconsin-Madison, effective July 1, 1988;

upon the recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the status of ~~Hans Schneider~~ be changed from Professor, Department of Mathematics, College of Letters and Science, to James Joseph Sylvester Professor, Department of Mathematics, College of Letters and Science, University of Wisconsin-Madison, effective July 1, 1988;

upon the recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the status of ~~John W. Suttie~~ be changed from Professor, Department of Biochemistry, College of Agricultural and Life Sciences, to Frank Morgan Strong Professor, Department of Biochemistry, College of Agricultural and Life Sciences, University of Wisconsin-Madison, effective July 1, 1988;

upon the recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the status of William L. Blockstein, be changed from Professor, School of Pharmacy; Department of Health and Human Issues, University Outreach; and Clinical Professor of Preventive Medicine, Medical School, to Edward Kremers Professor in Pharmacy, School of Pharmacy; Department of Health and Human Issues, University Outreach; and Clinical Professor of Preventive Medicine, Medical School, University of Wisconsin-Madison, effective July 1, 1988;

upon the recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the status of Robert W. Hammel, be changed from Professor, School of Pharmacy, to William S. Apple-Bascom Professor in Pharmacy Administration, School of Pharmacy, University of Wisconsin-Madison, effective July 1, 1988.

R 4048, pp 29-31

*Profersorships - Status change at UW-Green Bay for*

Regent Grover moved and Regent Flores seconded Resolution 4049, which was adopted unanimously by the board.

Resolution 4049: That, upon the recommendation of the Chancellor of the University of Wisconsin-Green Bay and the President of the University of Wisconsin System, Estella Lauter, be appointed a Frankenthal Professor of Humanistic Studies at the University of Wisconsin-Green Bay, effective July 1, 1988 to June 30, 1993.

*UW-Green Bay - Staff - Professorship status for Estella Lauter, R 4049, p.31*

**REPORT OF THE BUSINESS AND FINANCE COMMITTEE**

Chairman Lyon presented the committee's report.

**Approval of Gifts, Grants and U.S. Government Contracts**

Reporting unanimous committee approval of the following resolution, Regent Lyon moved its adoption by the board and the motion was seconded by Regent Jarvis.

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.

Noting that, at the April meeting, three regents had voted against a contract between UW-Madison and a firm named Ebasco for research on energy storage, Regent Fish pointed out that this month's list included another \$250,000 from Ebasco for the same purpose. While he supported the contract, he thought attention should be called to the item, since regents who opposed it previously might wish to vote against it again this month.

*Ref Research - Another \$250,000 from EBASCO for energy storage research, R4050 & 4051, pp 31-33*  
Regent Weinstein asked if additional funding could be expected on a monthly basis, and Regent Fish replied in the negative.

Regent Lyon explained that this \$250,000 was the second part of a \$419,000 contract for the current period, the first \$169,000 having been accepted at the April meeting.

Mr. Glen Watts, UW-Madison director of budget planning and analysis, added that additional monies could be received in about two years, depending on the progress of the research.

Upon motion by Regent Flores, seconded by Regent Fish, it was decided to sever the contract with Ebasco from the resolution.

Put to the vote, Resolution 4050 was unanimously adopted, with exclusion of the severed item.

Resolution 4050: That, upon recommendation of the President of the University of Wisconsin System, the gifts, grants and contracts presented at this meeting, with the exception of the \$250,000 award from Ebasco, listed on page 22, item number 25, (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.

Regent Fish moved approval of the contract with Ebasco, as listed on page 22, No. 25, of the list of gifts, grants and contracts. The motion was seconded by Regent Nicholas.

Resolution 4051: That, upon recommendation of the President of the University of Wisconsin System, the \$250,000 award from Ebasco, listed on page 22, item number 25, presented at 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.

In response to a question by Regent Flores, Regent Fish noted that there had been opposition to the contract at the April meeting, primarily on the basis that resulting technology could be used for the Strategic Defense Initiative. The regents had been assured that the project was essentially for the purpose of energy storage. If in the future the project became classified, the university would disengage itself from the research. The funding source was the Department of Defense.



Regent Flores commented that storage of electricity had important civilian implications and that research in that area should proceed. The project could be reviewed later if a different focus evolved.

Regent Weinstein added that the regents were assured that if the project were to become classified, all research done until that point would remain public information.

Put to the vote, the contract with Ebasco was approved, with Regents Clusen, Hanson and Nikolay voting "No," and Regent Davis abstaining from the vote.

*Faculty* →

Status Report on Legislative Action on New Faculty Positions , p. 33

Regent Lyon summarized a report to the committee by Vice President Bornstein on the outcome of the s. 13.10 meeting held by the Joint Committee on Finance on May 2, 1988. The committee approved the release of funding for 215.5 new faculty positions for this fall but withheld funding for the 25 positions scheduled to begin January 1, 1989. These remaining 25 would be acted upon at the September s. 13.10 meeting, after the committee received and approved plans to revise add/drop policies and to restructure tuition.

Xref Legislature - (same)

At the meeting, Senator George questioned whether the system president was adhering to legislative intent in the hiring of vice presidents. S. 36.09(2), Wis. Stats., granted the president the authority to appoint vice presidents, associate vice presidents and assistant vice presidents, while s. 36.09(1)(e) specifically excluded the appointing of those positions from the duties of the Board of Regents. The Legislative Fiscal Bureau's analysis provided to Senator George, upon his request, described the process of the appointment of Vice President Poellnitz and the regents' resolution on this matter. President Shaw assured the Joint Committee that he believed he followed legislative intent in the hiring of Mr. Poellnitz, in that the regent involvement was at his request. The president felt that, because the Vice President for Business and Finance must closely relate to the Business and Finance Committee, it would be prudent to have the committee provide him with their reaction to the final candidates. He offered to respond to the senator's concerns in writing, copies of which would be sent to the regents. President Shaw noted that the same process used in the past was used in the hiring of Mr. Poellnitz. Committee members expressed concern over the possible limitation of their role in this process.

Regent Weinstein asked if the Business and Finance Committee recommended requesting a change in the law.

Regent Lyon replied that the committee did not make such a recommendation, but that the question could be considered at a later time.

Regent Fish added that he was satisfied with having staff look into the matter and report back to the regents.



Fees - Segregated -

Report on Study of Segregated University Fee Policies and Procedures

R 4052, pp 34-35

At the committee meeting, Elizabeth Wright, Assistant to the Executive Vice President, summarized the written report on institutional policies and practices involving students in the development of segregated fee budgets. Subsequent to a segregated fee appeal brought by the UW-Madison Student Association last July, the board had asked the president to prepare the report, to provide a better understanding of student participation in the segregated fee allocation process and the regent role in the appeal process.

3  
Xref

Regent - Policy - (same)

A survey of all UW System institutions regarding their policies and practices on allocating segregated fees included membership of the committee responsible for reviewing the segregated fee budgets, the processes employed by the institutions from the start of the review process each fall through submission of the completed segregated fee budget to the board, and the processes and policies used to determine allocable and non-allocable budget items. Allocation and policy issues, along with possible remedies, also were covered in the report.

No changes in system policies were suggested as a result of this study. However, affirmation of existing policies was recommended to reinforce the need for clarity in institutional policies, to highlight the role of students in formulation of policies and disposition of segregated university fees, and to establish a date by which appeals to the board must be filed.

Presentations were made to the committee by the United Council president, the past president of the Wisconsin Student Association at UW-Madison and the current president of the Student Association at UW-Milwaukee, all of whom expressed concern over the definition of allocable and non-allocable student segregated fees. The Vice President for Business and Finance was directed to review the definitions in those two areas and report to the committee in June. Based upon suggestions made by United Council, the resolution was revised to change the wording of the second paragraph in No. 2 from "review of allocable . . . and nonallocable SUF budgets" to "formulate allocable SUF budgets and review non-allocable SUF budgets." In No. 3, the deadline for filing appeals was changed from May 1 to April 1. The resolution as revised was unanimously approved by the committee.

Adoption by the board of the following resolution was moved by Regent Lyon, seconded by Regent Jarvis, and carried unanimously:

Resolution 4052: That, upon the recommendation of the President of the System, the following recommendations included in the document entitled "Segregated University Fees Policies and Procedures" dated May 1988 be approved:

1. The Board reaffirms that the institutions are responsible for defining the allocable and non-allocable portions of the student fee with particularity, and that only allocable fee disputes may be brought before the Board for resolution, in accordance with the Student Governance Guidelines and FPPP 37;

2. The Board affirms that:
  - o students shall be given an opportunity to review and offer advice concerning the budget of each activity and program that is funded primarily with non-allocable SUF;
  - o every effort should be made to provide sufficient time for students to formulate allocable SUF budgets, and to review non-allocable SUF budgets as provided in institutional policies;
  - o all ad hoc systemwide committees and task forces formed to deal with issues of SUF support shall have student membership.
3. Any appeals to the Board for resolution of irreconcilable differences between the students and the chancellor on the recommended disposition of allocable segregated fees should be filed in the Office of the System President by April 1; and
4. The Board adopts the following criteria for appeals for inclusion in the "Student Governance Guidelines":

In considering an appeal, the Board will ask the following questions:

- o Has the item been defined by the institution, in consultation with the students, as an allocable fee?
- o Has the chancellor discussed the difference(s) with the students and provided an opportunity for the students to reconsider their recommendation?
- o Does the student-proposed budget item require the university to violate any statute, administrative code, policy or contract?
- o Is the basis for the chancellor's decision substantial? (i.e., are there significant policy or management reasons for differing from the students' recommendation?)
- o Is the expenditure related to a legitimate educational purpose within the meaning of section 36.27(1), *Wis. Stats.*?

Report on Prepaid Tuition Plans and Other Educational Savings Incentives

Summarizing this report, Regent Lyon stated that a working group appointed by President Shaw identified five major types of plans: prepaid tuition plans; educational savings bonds; U.S. savings bonds with tax incentives for education; educational IRAs; and limited deductions for educational expenses.

The working group did not recommend a prepaid tuition plan because of the considerable risks and disadvantages involved. If prepayments were inadequate to cover future costs of education due to inflation, the university would be at risk. The university would also have to absorb all administrative costs of the plan. If the IRS decided to tax the earnings at the time of use, parents would have some financial risk. Students not participating in the plan would be subject to higher tuition if the plan were not financially successful and budgets could not be met. These losses would also be passed on to future participants in the plan through increased purchase prices.

While there were many disadvantages associated with a prepaid tuition plan, the working group identified other educational savings incentives which would reduce the risk factor and minimize the disadvantages to students, institutions and to the public. Specifically, the working group recommended that the State of Wisconsin and the UW System endorse adoption of the U.S. savings bond program, whereby the interest would be non-taxable if used for educational purposes. If this proposal were not enacted by the federal government, or if the state wished to enact additional incentives, the working group recommended an educational savings bond, a limited deduction for educational expenses or a combination of both. Additionally, the working group recommended that the UW System continue to monitor the progress of various proposals and programs at the national level and in other states, as some future program might be more advantageous than the prepaid tuition plan that was studied.

President Shaw commented that, while these plans generally do not aid poor people, they provided an incentive for middle-income people to save for future education.

Regent Lyon noted that the report was presented to the committee for preliminary review and discussion, with any changes to be incorporated into the report prior to submission for action at the June meeting. Suggestions made at the meeting included giving priority to a U.S. savings bond plan and also endorsing a state plan if the federal proposal did not go forward. He thought the recommendation for the June meeting would be to support proceeding simultaneously at both levels.

Report of the Tax Sheltered Annuity Study Group

The committee was advised that the criteria for initial selection of tax sheltered annuity vendors was adopted by the board in 1977 and that those criteria provided that the review committee could modify the criteria in the future with the concurrence of the president of the system.

President Shaw felt that, while it technically was not necessary to bring revisions to the board, the recommended changes were important enough to warrant regent consideration.

The review committee updated the TSA criteria through studies of financial ratings for annuities and mutual fund vendors, contemporary products being offered, changes in the economy and interest rates, the 1986 IRS Tax Code, changes in the products, and potential for new vendor interest. Drafts of the proposed criteria were circulated to a large number of life insurance and pension companies, as well as mutual fund organizations, for review and comment.

UW-Eau Claire Professor James Egan, chair of the review committee, outlined the internal logic of the TSA criteria. While UW System employees expected sound investments, the committee could not ensure the best performance by any one plan. The criteria attempted to preserve options and flexibility in an uncertain economic future. The review committee recommended giving organizations an opportunity to become UW System TSA vendors if they qualified under the revised criteria. It was felt that employees of the UW System would be served best by establishing sound criteria and by limiting the number of vendors. Since the criteria had not been reviewed for ten years, the report was to be received at the May meeting for information, with the criteria to be submitted for action at the June meeting, to allow time for the board to review the suggested changes in detail.

*Compensation - Report of*

Academic Administrative Compensation Study, pp 37-38

Regent Lyon summarized committee review of the UW System study of academic administrative compensation which was conducted in response to Resolution 3920 adopted by the board in October 1987. The purpose of the study was to review the competitive market conditions and internal equity of salaries for administrative positions at or above Executive Salary Group (ESG) 6. These positions included the president, chancellors, vice presidents, vice chancellors and some deans. In addition, the Board of Regents must approve personnel actions involving rates of pay exceeding the maximum annual salary of State Executive Salary Group 6 (currently \$79,112).

*Reg Salaries - Case*  
Associate Vice President Lemon described the results of the study comparing salary rates of UW System executives to average salary data for comparable positions at other institutions. Average salary data was used to provide a uniform measurement for all external competitive market comparisons.

When comparing the rates of pay for UW System executives to the rates paid in seven other university systems, the findings showed the top level executives of the UW System significantly below the average salaries of similar positions in other systems. Due to limits imposed by the Executive Salary Group maximums and the Governor's salary, legislation would be required to allow the regents to set salaries competitive with the market rates paid to other comparable system positions throughout the country.

Similarly, salaries of the UW-Madison chancellor and vice chancellors were found to be below the average of the peer institutions, and could not be moved to that average under current law. While the UW-Milwaukee chancellor's salary also was below the peer group average, the recent reassignment to ESG 10 would allow the regents to establish a salary that would appear to be close to the competitive market. The vice chancellor salaries still would be restricted by present legislation to less than comparable positions at peer institutions. At the university cluster institutions, the salaries of the chancellors and vice chancellors were below the average of peer group institutions, although increased flexibility provided to the regents in recent legislation would allow establishment of competitive salaries for these positions. The salaries of deans, however, represented the peer group market quite well.

The report built upon the background information on state Executive Salary Groups provided at the April meeting.

The committee expressed concern about the difficulty in comparing salaries to those of peer institutions because cost of living indexes were not built into the comparisons, due to the difficulty of including such factors. Committee members emphasized the desire to create equity among staff internally and felt progress could be made to achieve that goal.

Regent Davis asked if an attempt was made to look at total compensation in making comparisons.

Regent Lyon replied that, while such attempts had been made from time to time, information on such factors as cost of living and disclosure of opportunities for outside compensation and consulting was difficult to obtain.

Regent Davis thought that for chancellors of public institutions there should be published data on the total compensation package, including money added to salaries where housing was not provided.

Regent Lyon indicated that, because some basic cost of living items, such as housing accommodations or allowances, were provided in most cases for key positions, they tended to equalize each other and therefore might not be significant for comparative purposes.

President Shaw added that, even for public universities, some prerequisites were not publicly reported and information about them was unattainable.

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REPORT OF THE PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Chairman Nikolay presented the committee's report.

Approval of Concept and Budget Reports for Major Projects

The committee unanimously approved four concept and budget reports. The first, which was for laboratory renovations and remodelings at the UW-Milwaukee Great Lakes Research facility, incorporated four projects identified in the 1987-89 capital budget and a new fifth project involving energy conservation modifications.

The second concept and budget report was for Phase III of the UW-Platteville Dairy Center development, which was consistent with the master plan for that project.

The third concept and budget report was for the Price Commons total facility performance evaluation and loading dock renovations at UW-Stout. Approval also was requested to increase the budget by \$182,000, to cover higher-than-estimated costs for asbestos removal.

The fourth concept and budget report was for the Andersen Library remodeling project at UW-Whitewater. Approved in the 1987-89 capital budget at a cost of \$1,348,700 from general fund supported borrowing, the project involved remodeling approximately 29,222 gross square feet of space in the south wing of the Library complex.

Upon motion by Regent Nikolay, seconded by Regent Heckrodt, the following resolutions were adopted unanimously by the board:

*UW-Milwaukee - Budget & Land - Approval to construct*

~~Resolution 4053: That, upon the recommendation of the UW-Milwaukee Chancellor and the President of the University of Wisconsin System, the Concept and Budget Report be approved and authority granted to prepare Final Plans and Specifications, bid, and construct the 1987-89 Great Lakes Research Facility - Space Modifications, Remodeling, and Handicapped Access Elevator project, at the Great Lakes Research Facility in Milwaukee, for an estimated project cost of \$1,564,100 from the following funding sources:~~

*R 4053,  
p. 39*

a) General Fund Supported Borrowing funds:	\$ 485,000
b) General Fund Supported Borrowing - Remove Architectural Barriers Program funds:	242,000
c) General Fund Supported Borrowing - Minor Project Allocation funds:	241,500
d) 1987-89 General Fund Supported Borrowing - Energy Conservation Program funds:	95,600
e) Federal Grant funds:	500,000
Total All Funding Sources:	<u>\$1,564,100</u>



UW-Platteville - Budget & Land

Resolution 4054: That, upon the recommendation of the UW-Platteville Chancellor and the President of the University of Wisconsin System, the ~~Concept and Budget Report~~ <sup>be</sup> approved and authority granted to prepare Final Plans and Specifications, bid, and construct the 1987-89 Dairy Center Redevelopment - Phase III project on the UW-Platteville Pioneer Prairie Farm, at an estimated total project cost of \$363,000 of General Fund Supported Borrowing. R 4054, pp 39-4

UW-Stout - Budget & Land

Resolution 4055: That, upon the recommendation of the UW-Stout Chancellor and the President of the University of Wisconsin System, the ~~Concept and Budget Report for the Price Commons Total Facility Performance Evaluation and Loading Dock Renovation project~~ <sup>be</sup> approved, with a budget increase of \$182,000, and authority granted to plan, bid and construct the project for a revised total of \$835,000 of Program Revenue funds. R 4055, pp 39-40

UW-Whitewater - Budget & Land

Resolution 4056: That, upon the recommendation of the UW-Whitewater Chancellor and the President of the University of Wisconsin System, the ~~Concept and Budget Report for the 1987-89 Andersen Library Remodeling project~~ <sup>be</sup> approved and authority granted to prepare Final Plans and Specifications, bid, and construct the project for an estimated total cost of \$1,348,700 from General Fund Supported Borrowing. R 4056, pp 39-40

Budget & Land

UW-Stevens Point Authority to Accept Gift-In-Kind of Addition to Treehaven Meeting/Classroom Facilities and Execute Land Use Agreement R 4057, pp 40-41

Regent Nikolay reported unanimous committee approval for acceptance of a gift-in-kind from the UW-Stevens Point Foundation and execution of a land use agreement. The gift was a 4,300 square foot addition to the Treehaven Field Station meeting and classroom facilities, with a value not to exceed \$230,000, including equipment. The land use agreement was needed to allow access by the Foundation's contractor while constructing the addition.

Upon motion by Regent Nikolay, seconded by Regent Heckrodt, Resolution 4057 was adopted unanimously by the board.

Resolution 4057: That, upon the recommendation of the UW-Stevens Point Chancellor and the President of the University of Wisconsin System, authority be granted:

- (a) To accept a gift-in-kind from the University of Wisconsin - Stevens Point Foundation, of 4,300 GSF of additional space at the College of Natural Resources Treehaven Field Station in Lincoln County, Wisconsin, at a value not to exceed \$230,000, including equipment, and



(b) For the University of Wisconsin - Stevens Point Chancellor to execute the necessary land use agreement between the Board of Regents and the University of Wisconsin - Stevens Point Foundation, to allow the Foundation to construct the project on Regent-owned land at Treehaven.

UW-Eau Claire <sup>Budget Fund</sup> Naming of Addition to McPhee Physical Education Building, R4058, P.41

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

*ref* Naming of Bldgs - (same, but add "at UW-Eau Claire")  
Resolution 4058:

That, upon the recommendation of the UW-Eau Claire Chancellor and the President of the University of Wisconsin System, authority be granted to name the new addition to the McPhee Physical Education Center the Ade Olson Addition.

Approval of Minor Projects

Resolution 4059, which was unanimously approved by the committee, was moved by Regent Nikolay, seconded by Regent Heckrodt, and adopted unanimously by the board.

Resolution 4059: That, upon the recommendation of the UW System Chancellors and the President of the University of Wisconsin System, the following minor projects be approved and authority granted to plan, bid and construct, at the budgets and from the funding sources indicated. The funding sources are summarized as follow:

Program Revenues	\$ 11,000
General Fund Supported Borrowing -	
Health, Safety and Environment	
Program Funds	120,000
Minor Projects Funds	369,000
Maintenance Program Funds	<u>361,000</u>
	<u>\$861,000</u>

Budget Land - Approval of

UW-Madison/Extension

→ WHA-AM Radio Transmitter Building Remodeling (in UW-Madison Arboretum), \$80,000, General Fund R4059, p.41  
~~Supported Borrowing - Minor Project Funds~~

*ref* UW-Ephraim - Budget Fund - (same)

Bldg Fund - Approval of

UW-Madison

~~Science Hall Remodeling, \$202,000, General Fund  
Supported Borrowing - Minor Project Funds~~

~~Bardeen Laboratories Seventh Floor Asbestos~~

~~Abatement/Reinsulation, \$120,000, General Fund~~

~~Supported Borrowing - Health, Safety and  
Environment Program Funds~~

R 4059,  
pp 41-42

Hazardous Materials

UW-Oshkosh - Bldg Fund - Approval of

~~Swart Hall Basement Waterproofing, \$205,000,  
Maintenance Program Funds~~

~~932 High Avenue Building Demolition, \$11,000, R 4059,  
Program Revenues~~

pp 41-42

UW-Parkside - Bldg Fund - Approval of

~~Campus Signage, \$87,000, General Fund Supported  
Borrowing - Minor Project Funds~~

project, R 4059,  
pp 41-42

UW-River Falls - Bldg Fund - Approval of

~~Indoor Livestock Education Facility Repair, R 4059,  
\$155,000, General Fund Supported Borrowing -~~

~~Maintenance Program Funds~~

pp 41-42

UW-Eau Claire - Bldg Fund - Approval of

UW-Eau Claire and UW-Madison: PCB Cleanup - Phase I

Resolution 4060, which was unanimously approved by the committee, was moved by Regent Nikolay, seconded by Regent Clusen and adopted unanimously by the board.

Bldg Fund (same, but add "at UW-Madison + UW-Eau Claire")

Resolution 4060:

~~That, upon the recommendation of the UW-Eau Claire and UW-Madison Chancellors and the President of the University of Wisconsin System, authority be granted to use \$14,660 of UW-Eau Claire Program Revenues and \$48,040 of UW-Madison Program Revenues to prepare final plans and specifications, obtain bids and issue contracts for the first phase of removal and disposal of PCB-contaminated electrical equipment, as part of R 4060, the State Building Commission's Statewide 1987-88 PCB Cleanup - All Agencies project with a total cost of \$3,100,000.~~

Hazardous waste

(same as immediately above)

UW-Oshkosh: Approval of Budget Increase for Major Project

Regent Nikolay reported unanimous committee approval of a \$24,500 increase in the budget for the Ceramics Laboratory relocation project at UW-Oshkosh, to cover the cost of constructing the building on pilings, a need which had not been identified when the project was submitted in the 1985-87 capital budget.

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

*UW-Oshkosh - Budget - Approval of Budget Increase*

~~Resolution 4061: That, upon the recommendation of the UW-Oshkosh Chancellor and the President of the University of Wisconsin System, authority be granted to increase the \$280,000 project budget for the Ceramics Lab Relocation project, by \$24,500 for a revised total project cost of \$304,500 of UW System Residual Borrowing Authority funds.~~

*→ R 4061, pp 42-43*

*Bldg & Land - Statement by Regent Davis on*

Report of the Vice President

UW-Madison Charter Street Heating Plant

*See Charter St. Heating Plant - (same)*

The committee reviewed a statement provided by Regent Davis offering a number of comments relating to the UW-Madison Charter Street Heating Plant, There was general discussion of the seven points he presented, and it was concluded that these items had been considered prior to the adoption of the resolution at the April meeting. However, UW-Madison staff would bear in mind Regent Davis' comments in further action relating to the Charter Street Heating Plant.

*p. 43*

*Anderson, Bert -*

Resolution of Commendation to Bert Anderson

*R 4062, pp 43-44*

Regent Nikolay presented the following resolution, which was unanimously approved by the committee, and moved its adoption by the board. The motion was seconded by Regent Clusen and carried unanimously.

Resolution 4062: Whereas, Bert T. Anderson is retiring on May 28, 1988; and

Whereas, Bert has served the former Wisconsin State University System and the merged University of Wisconsin System for more than a quarter of a century, initially as Chief System Architect, and currently as Assistant Vice President and Director of the Division of Capital Budget and Architectural and Engineering Services; and

Whereas, during this time, Bert has worked with diligence, perseverance and dedication on behalf of the University of Wisconsin System and its students, faculty and staff to assure that facilities are available to meet their academic, residence, and support services needs;

Now, therefore, on behalf of the students, faculty and staff of the system, and on behalf of the members of the Physical Planning and Development Committee, who deeply appreciate his service to the members, our best wishes are extended to Bert for a long, happy and healthful retirement.

On behalf of the board, President Weinstein expressed appreciation to Mr. Anderson for his many years of loyal and dedicated service.

*UW-Milw - Bldg + G. d - Thanks for tour*

Regent Nikolay thanked the UW-Milwaukee staff members who arranged for and participated in the previous day's interesting tour of Engineering facilities, p. 44

*UW-Milwaukee - Appreciation for meeting, R 4063, p. 44*

ADDITIONAL RESOLUTION

Appreciation to UW-Milwaukee

Regent Schilling presented the following resolution and moved its adoption. The motion was seconded and adopted unanimously.

Resolution 4063: Whereas, the Board of Regents is pleased to have been invited to hold the May 1988 meetings at UW-Milwaukee; and

Whereas, we very much appreciate the gracious hospitality extended by Chancellor and Mrs. Smith and the entire UW-Milwaukee community, as well as the special presentations and tour which were provided;

Therefore, be it resolved that the Board of Regents hereby expresses its gratitude to UW-Milwaukee for a most interesting and enjoyable visit.

- - -

At 12:05 p.m., the following resolution, moved by Regent Schilling, and seconded by Regent Fish, was unanimously adopted on a roll call vote, with Regents Clusen, Davis, Doughty Luckhardt, Fish, Flores, Hanson, Hassett, Heckrodt, Jarvis, Lyon, Nicholas, Nikolay, Schilling, Vattendahl and Weinstein voting "Aye" (15), and no regents voting "No."

Resolution 4064: 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 specific personnel problems, 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.

- - -

*Compensation - Approval of*

CLOSED SESSION ACTION

The board arose from closed session at 12:25 p.m. and made the following announcement:

Resolution 4065: ~~That, upon recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, 1987-88 faculty salary adjustments above the maximum of Group 6 of the Executive Salary Plan be approved as set forth on the attached list.~~

*R 4065,  
P. 45*

(The referenced list is on file with the papers of this meeting.)

*Xref Salaries - (same) ---*

The meeting was adjourned at 12:25 p.m.

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

June 3, 1988

0178X

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

UNIVERSITY OF WISCONSIN - MADISON

EXTENSION AND PUBLIC SERVICE

1.	PAN AMERICAN HEALTH ORGANIZATION WORLD HEALTH ORGANIZATION WASHINGTON, DC TECHNICAL SERVICES AGREEMENT: SELF-STUDY COURSES LEADING TO DIPLOMA IN DISASTER MANAGEMENT AWARD # AM-ICP-DPP160/PG86-87 830 MSN ENGR ENGR PRFSNL DVLP	(133-M812)	30,600.00
2.	FORAGE EVALUATION PROGRAM MSN AG&LSC AGRONOMY	(133-8832)	
	975.00 MALLARD SEED CO., INC. PLAINVIEW, MN		
	2,275.00 PIONEER HI-BRED INTERNATIONAL, INC. JOHNSTON, IA		
	1,625.00 BIOTECHNICA AGRIC., INC. OVERLAND PARK, KS		
	650.00 HARTUNG BROTHERS ARENA, WI		
	12,675.00 CAL/WEST WOODLAND, CA		
	650.00 KING AGRO INC. ONTARIO, CANADA		
	975.00 THE UPJOHN COMPANY KALAMAZOO, MI		
	2,925.00 NORTHRUP KING CO. MINNEAPOLIS, MN		
	1,950.00 INTERNATIONAL SEEDS, INC. HALSEY, OR		
	1,300.00 SPANGLER BROTHERS, INC. JEFFERSON, WI		
	1,625.00 FUNK SEEDS INTERNATIONAL BLOOMINGTON, IL		
	1,300.00 VDH-INTERSTATE CORP. DASSEL, MN		
	325.00 MULTIPLE DONORS		
	650.00 UNITED AGRISEEDS CHAMPAIGN, IL		
	650.00 GREAT LAKES HYBRIDS, INC. OVID, MI		
	650.00 RICHARD BLANEY SEEDS, INC. MADISON, WI		
	975.00 FARM SEED RESEARCH CORP. HOLLISTER, CA		
	325.00 MULTIPLE DONORS		
	650.00 JACQUES SEED COMPANY PRESCOTT, WI		
	650.00 FRED GUTWEIN & SONS, INC. FRANCESVILLE, IN		
	650.00 MIKE BRAYTON SEEDS, INC. AMES, IA		
	325.00 MULTIPLE DONORS		
	7,800.00 MULTIPLE DONORS		
	3,250.00 GROWMARK, INC. BLOOMINGTON, IL		
	1,300.00 AMERICANA SEEDS, INC. MUSCATINE, IA		
	1,300.00 WHITNEY-DICKINSON SEED GROWERS, INC. HOMEDALE, ID		
	6,175.00 DAIRYLAND RESEARCH INT. CLINTON, WI		
	3,575.00 PLANT GENETICS, INC. DAVIS, CA		
	2,600.00 GREEN GENES, INC. DENNISON, MN		

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - MADISON

## EXTENSION AND PUBLIC SERVICE

- |    |  |                                  |           |
|----|--|----------------------------------|-----------|
| 2. | FORAGE EVALUATION PROGRAM<br>MSN AG&LSC AGRONOMY   | (133-8832)                       |           |
|    | 1,300.00   | FFR COOPERATIVE<br>LAFAYETTE, IN |           |
|    | 7,150.00   | NAPB<br>MISSION, KS              |           |
|    |  |                                  | 69,225.00 |
| 3. | WISCONSIN ASSOCIATION OF FAIRS<br>SULLIVAN, WI<br>SUPPORT THE PRODUCTION OF EXHIBITS<br>MSN AG&LSC AG JOURNALISM | (133-9017)                       | 1,400.00  |

## GIFT-IN-KIND

1. GEORGE W. BAYLIS  
GAINESVILLE, FL  
NIKON, BOLEX, SEKONIC, NIKONOS, BEAULIEU  
CAMERAS AND ACCESSORIES  
MSN L&S ZOOLOGY
2. MR. RON CARUTHERS  
OVERLAND PARK, KS  
320 FIVE GRAM BOTTLES OF PENTOTHAL  
MSN VET M VET MD TCH HSP&C
3. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
ALBIN BRUNOVSKY AND VLADIMIR GAZOVIC, VIA EVA,  
LITHOGRAPH  
MSN L&S ELVJM MUSEUM ART
4. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
ALBIN BRUNOVSKY, 5 (FIVE) PRINTS  
MSN L&S ELVJM MUSEUM ART
5. EDWARD S. OPLINGER  
MADISON, WI  
1984 FORD F350 PICKUP TRUCK WITH 5TH WHEEL  
TRAILERING PACKAGE  
MSN AG&LSC AGRONOMY
6. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
DAN ALLISON, BIGGER TOYS, PRINT  
JOHN WILDE, STILL-LIFE WITH KUMQUATS, PAINTING  
MSN L&S ELVJM MUSEUM ART
7. HEWLETT PACKARD  
PALO ALTO, CA  
HP 9000 MODEL 330 MH COMPUTER SYSTEMS  
MSN L&S COMPUTER SCI



GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

UNIVERSITY OF WISCONSIN - MADISON

## INSTRUCTION

1. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH  
BETHESDA, MD  
TRAINING IN HUMAN CANCER BIOLOGY  
FOR THE PERIOD 05-01-88 THROUGH 04-30-89  
AWARD # 5 T32 CA09471-05  
MSN HS-MED HUMAN ONCOLOGY RAD BIOL (144-AG22) 126,514.00
2. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
U.W. FORENSICS PROGRAM - COMMUNICATION ARTS  
MSN L&S COMMUN ARTS (133-K182) 2,000.00
3. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
RAGATZ TEACHING AWARD IN CHEMICAL ENGINEERING  
MSN ENGR CHEMICAL ENGR (133-K289) 2,000.00
4. MULTIPLE DONORS  
SUPPORT AGRICULTURAL ECONOMICS GRADUATE TRAINING  
PROGRAM  
MSN AG&LSC AG ECONOMICS (133-3859) 125.00

## LIBRARIES

1. MULTIPLE DONORS  
SPECIAL SUPPORT FOR COOPERATIVE CHILDREN'S  
BOOK CENTER  
MSN L&S LIB&INF ST (133-D098) 50.00
2. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
SUMNER MEMORIAL LIBRARY FUND  
MSN AG&LSC AG JOURNALISM (133-D145) 600.00
3. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
ENERGY RESOURCES COLLECTION/PHYSICS LIBRARY  
MSN LIBR GEN OPERATIONS SUPP & EQ (133-E323) 500.00
4. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
PURCHASE OF LIBRARY MATERIALS AND SUPPLIES  
MSN LIBR GEN OPERATIONS SUPP & EQ (133-F543) 115.00
5. INSTITUTE OF TURKISH STUDIES, INC.  
WASHINGTON, DC  
TURKISH LIBRARY PROCUREMENT GRANT  
MSN G E A INTL STU & PROGS (133-J619) 500.00
6. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
PURCHASE OF MATERIALS IN THE HISTORY OF BOOKS  
AND PRINTING AND THE HISTORY OF SCIENCE  
MSN LIBR GEN OPERATIONS LIB ACQSTN (133-L236) 2,800.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

1. UPON THE RECOMMENDATION OF THE DEAN AND AS  
APPROVED BY THE DONOR THE TERMS BE MODIFIED TO  
ALLOW POST-DOCTORAL FELLOWSHIPS.  
WATKINS, JOHN ORTON--FELLOWSHIPS  
MSN HS-MED ADMINISTRATION DEANS OFFC ( TRUST )
2. CONTINENTAL BANK  
CHICAGO, IL  
SCHULTE, HELEN D. TRUST  
SCHULTE, HELEN DENNE--LOAN FUND  
MSN HS-NUR ( TRUST ) 9,407.93
3. MICHIGAN STATE UNIVERSITY  
EAST LANSING, MI  
DEPARTMENT OF BACTERIOLOGY--DISCRETIONARY FUND  
MSN AG&LSC BACTERIOLOGY ( TRUST ) 200.00
4. EARNINGS ON MISC. INVESTMENTS  
RIESER, RUSSELL R.--MEMORIAL UNION BUILDING FUND  
MSN UNION ( TRUST ) 422.30
5. FIRST WISCONSIN-MADISON  
MADISON, WI  
SCHORGER, A.W. TRUST  
SCHORGER, A.W.--WILDLIFE ECOLOGY  
MSN AG&LSC N R-WILDLIF ECOL ( TRUST ) 9,927.35
6. PROCEEDS FROM MISC. INVESTMENTS  
RIESER, RUSSELL R.--MEMORIAL UNION BUILDING FUND  
MSN UNION ( TRUST ) 8,446.19
7. WALT, MARTIN AND MARY  
LOS ALTOS HILLS, CA  
BARSCHALL, H. H.--LECTURE FUND IN THE DEPARTMENT  
OF PHYSICS  
MSN L&S PHYSICS ( TRUST ) 100.00
8. WERBEL, HAROLD & MURIEL  
CARSON CITY, NV  
MEDICAL SCHOOL CLASS OF 1939-FIFTIETH ANNIVERSARY  
TRUST  
MSN HS-MED ( TRUST ) 50.00
9. MULTIPLE DONORS  
MILLER, ELIZABETH C.--MEMORIAL FUND  
MSN HS-MED ONCOLOGY ( TRUST ) 120.00
10. WI BRD OF VOC TECH & ADULT EDUCATION  
MADISON, WI  
PRIME CONTRACTOR WITH DED  
VOCATIONAL EQUITY RESOURCE CENTER  
FOR THE PERIOD 07-01-87 THROUGH 06-30-88  
AT A TOTAL COST OF \$41,401.00  
AWARD # ACTIVITY #20-708-150-158, MOD. 1  
MSN EDUC WIS VOC STU CTR W VOC ST C (144-Z646) 2,160.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

- |     |   |           |
|-----|---|-----------|
| 11. | JET PROPULSION LABORATORY<br>PASADENA, CA<br>PRIME CONTRACTOR WITH NASA<br>WIDE FIELD CAMERA FILTERS<br>FOR THE PERIOD 10-12-87 THROUGH 11-16-87<br>AT A TOTAL COST OF \$9,950.00<br>AWARD # P.O. #RA-857874, MOD. 1<br>MSN L&S SPACE ASTRON LAB (144-AA82) | 3,010.00  |
| 12. | NATIONAL BUREAU OF ECONOMIC RESEARCH, INC<br>CAMBRIDGE, MA<br>PRIME CONTRACTOR WITH NSF<br>EQUIPMENT GRANT<br>FOR THE PERIOD 03-09-88 THROUGH 12-31-88<br>AWARD # CHK DTD 3/9/88<br>MSN L&S ECONOMICS (144-AF52)  | 3,700.00  |
| 13. | UNIVERSITY PEDIATRIC ASSOCIATES<br>MADISON, WI<br>DEPARTMENT OF PEDIATRICS CHAIRMAN'S DISCRETIONARY<br>FUND<br>MSN HS-MED PEDIATRICS (133-A528)   | 16,000.00 |
| 14. | ELSEVIER NORTH-HOLLAND INC.<br>NEW YORK, NY<br>DEFRAY SECRETARIAL, POSTAGE, TELEPHONE AND<br>SUPPLIES EXPENSES ASSOCIATED WITH THE "LINEAR<br>ALGEBRA AND ITS APPLICATIONS JOURNAL"<br>MSN L&S MATHEMATICS (133-A751)                                       | 700.00    |
| 15. | WISCONSIN LAW ALUMNI ASSOCIATION<br>MADISON, WI<br>DEFRAY SALARY OF EXECUTIVE DIRECTOR OF WISCONSIN<br>LAW ALUMNI ASSOCIATION<br>MSN LAW LAW SCHOOL (133-A829)  | 104.00    |
| 16. | ROBERT A. PALM MD.<br>RACINE, WI<br>DEVELOPMENT OF DIVISION OF PLASTIC SURGERY<br>MSN HS-MED SURGERY DENT&P SRG (133-B085)  | 1,200.00  |
| 17. | UNIVERSITY OF WISCONSIN FOUNDATION<br>MADISON, WI<br>EXHIBITION FUNDS<br>MSN L&S ELVUM MUSEUM ART (133-B418)  | 5,907.00  |
| 18. | UNIVERSITY OF WISCONSIN FOUNDATION<br>MADISON, WI<br>MECHANICAL ENGINEERING UNRESTRICTED GRANT<br>MSN ENGR MECHANICAL ENGR (133-B430)   | 15,000.00 |
| 19. | UNIVERSITY OF WISCONSIN FOUNDATION<br>MADISON, WI<br>BEYER PROFESSORSHIP IN ACCOUNTING<br>MSN BUS SCH OF BUSINESS (133-C281)  | 500.00    |

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

20.	MADISON AREA BUILDERS ASSOCIATION MADISON, WI DEPARTMENT OF AGRICULTURAL ENGINEERING CHAIRMAN'S DISCRETIONARY ACCOUNT MSN AG&LSC AG ENGINEERING	(133-C852)	825.00
21.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH AND INSTRUCTION IN THE COMPUTER SCIENCES DEPARTMENT MSN L&S COMPUTER SCI	(133-D865)	10,000.00
22.	UNIVERSITY ANESTHESIOLOGY ASSOCIATES MADISON, WI SUPPORT CLERICAL SALARIES IN THE DEPARTMENT OF ANESTHESIOLOGY MSN HS-MED ANESTHESIOLOGY	(133-E492)	13,000.00
23.	C.D.O. UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI ADMINISTRATIVE AND CLERICAL SUPPORT STAFF IN THE DEPARTMENT OF NEUROLOGY MSN HS-MED NEUROLOGY	(133-E647)	1,552.06
24.	MULTIPLE DONORS LYLE WHITEHEAD MEMORIAL FUND MSN HS-HSP ADMINISTRATION ADMIN	(133-E774)	100.00
25.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF GEOLOGY AND GEOPHYSICS CHAIRMAN'S DISCRETIONARY ACCOUNT MSN L&S GEOL & GEOPHYSICS	(133-E941)	10,000.00
26.	WISCONSIN SOYBEAN ASSOCIATION MADISON, WI AFFILIATED ORGANIZATION SUPPORT MSN AG&LSC AGRONOMY	(133-E980)	500.00
27.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UNRESTRICTED GRANT FOR COOPERATIVE EDUCATION PROGRAM MSN ENGR CAREER P&P	(133-F171)	500.00
28.	CASPERSEN N.C. MACHINING CORPORATION MADISON, WI MANUFACTURING SYSTEMS ENGINEERING CURRICULUM MSN ENGR ENGR EXPER STA MFG SY ENG	(133-F912)	600.00
29.	MULTIPLE DONORS DISCRETIONARY ACCOUNT FOR USE OF THE "MADISON REVIEW PUBLICATION" MSN L&S ENGLISH	(133-G643)	286.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

30.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI WCCC/DHO PUBLIC AWARENESS PROGRAM MSN HS-MED HUMAN ONCOLOGY	(133-G744)	5,000.00
31.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHAIRMAN'S DISCRETIONARY FUND MSN L&S METEOROLOGY	(133-G869)	500.00
32.	MULTIPLE DONORS CHINESE LITERATURE, ESSAYS, ARTICLES AND REVIEWS MSN L&S E ASIAN LANG&LIT	(133-G949)	476.00
33.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPLIES, EQUIPMENT AND MISCELLANEOUS EXPENSES MSN L&S ECONOMICS	(133-H571)	900.00
34.	INSTITUTE OF TURKISH STUDIES, INC. WASHINGTON, DC UNIVERSITY OUTREACH PROGRAMS SUPPORT MSN G E A INTL STU & PROGS	(133-H739)	1,750.00
35.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI KRENZ READING ROOM FUND MSN AG&LSC HORTICULTURE	(133-J154)	1,000.00
36.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S DISCRETIONARY ACCOUNT - REAL ESTATE MSN BUS SCH OF BUSINESS	(133-J190)	14,214.57
37.	CORLISS LAMONT NEW YORK, NY CORLISS LAMONT PEACE STUDIES MSN G E A INTL STU & PROGS	(133-J479)	41,700.00
38.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DISRECTIONARY FUND FOR DEPARTMENT OF BOTANY MSN L&S BOTANY	(133-J710)	800.00
39.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UNRESTRICTED FUND FOR CIVIL AND ENVIRONMENTAL ENGINEERING MSN ENGR CIVIL & ENV ENGR	(133-J718)	7,000.00
40.	NATIONAL ASSOCIATION OF PROFESSORS OF HEBREW MADISON, WI SECRETARY/TREASURER ASSOCIATION EXPENSES MSN L&S HEBREW & SEM STU	(133-J775)	2,000.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

41.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S DISCRETIONARY ACCOUNT MSN HS-NUR	(133-J835)	20,000.00
42.	COSTS OF EDITING "AMERICAN ECONOMIC REVIEW" MSN L&S INST-RES ON POV	(133-K129)	
	7,940.38 AMERICAN ECONOMIC ASSOCIATION PRINCETON, NJ		
	143.90 MULTIPLE DONORS		
			8,084.28
43.	LUBBOCK GENERAL HOSPITAL LUBBOCK, TX RENAL TRANSPLANT NURSING STAFF CONTINUING EDUCATION MSN HS-HSP ADMINISTRATION ADMIN	(133-K169)	1,500.00
44.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FRIENDS OF THE ARBORETUM GIFT SUPPORT FUND MSN ARBOR ARBORETUM	(133-K175)	800.00
45.	MULTIPLE DONORS LECTURE PROGRAM "THE WONDERS OF PHYSICS" MSN L&S PHYSICS	(133-K201)	65.00
46.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S EDUCATIONAL IMPROVEMENT GRANTS MSN HS-MED	(133-K246)	381.17
47.	MULTIPLE DONORS DEPARTMENT OF HORTICULTURE DISCRETIONARY FUND MSN AG&LSC HORTICULTURE	(133-K551)	170.00
48.	MULTIPLE DONORS AIDS EDUCATION MSN HS-UHS HEALTH SVC-BBC	(133-K995)	130.00
49.	AMERICAN COLLEGE OF PHYSICIANS MADISON, WI ACP ADMINISTRATIVE COSTS MSN HS-MED HUMAN ONCOLOGY	(133-L018)	1,000.00
50.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI BEETHOVEN PIANO RECITAL FUND MSN L&S SCHOOL OF MUSIC	(133-L555)	500.00
51.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DISCRETIONARY FUND FOR NEW ONGOING DEPARTMENTAL REQUESTS MSN HS-MED	(133-L569)	26,000.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

52.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S TRANSITIONAL FUNDING MSN HS-MED	(133-L570)	1,500.00
53.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI JOHN R. REYNOLDS AWARD FOR LEADERSHIP EXCELLENCE MSN OFCR E MILITARY SCIENCE	(133-L577)	100.00
54.	MULTIPLE DONORS RURAL SOCIOLOGY ANNUAL MEETINGS MSN AG&LSC RURAL SOCIOLOGY	(133-L589)	2,600.00
55.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI HONORARIUM FUND MSN L&S SOCIOLOGY	(133-L953)	1,000.00
56.	MULTIPLE DONORS HISTORY OF CARTOGRAPHY PROJECT MSN L&S GEOGRAPHY	(133-M109)	505.00
57.	AMERICAN CHEMICAL SOCIETY PETROLEUM RESEARCH FUND WASHINGTON, DC JOURNAL OF MEDICINAL CHEMISTRY EDITORIAL EXPENSES MSN HS-PHR PHARMACY	(133-M375)	208.24
58.	UNIVERSITY PSYCHIATRY GROUP C.D.O. MADISON, WI CENTER FOR AFFECTIVE DISORDERS SALARY SUPPORT MSN HS-MED PSYCHIATRY	(133-M651)	21,330.72
59.	UNIVERSITY OF WISCONSIN FOUNDATION PUBLICATION OF BROCHURE MSN L&S SPECIAL PROJECTS SE ASIA ST	(133-M782)	962.25
60.	MULTIPLE DONORS GENERAL/PEDIATRIC OCCUPATIONAL THERAPY MSN HS-HSP ADMINISTRATION ADMIN	(133-M784)	900.00
61.	MULTIPLE DONORS PERITONEAL DIALYSIS PROGRAM FUND MSN HS-HSP ADMINISTRATION ADMIN	(133-M786)	235.00
62.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI VISITING LECTURERS MSN L&S SPANISH & PORT	(133-M806)	500.00
63.	SHAKLEE CORPORATION SAN FRANCISCO, CA CONSTRUCTION ADMINISTRATION MSN AG&LSC AG ENGINEERING	(133-M816)	1,000.00



GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

64.	SCHOOL OF BUSINESS DEAN'S DISCRETIONARY GRANT MSN BUS SCH OF BUSINESS (133-0179)		
	2,500.00 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI		
	1,000.00 CENTER FOR ADVANCED STUDIES IN BUSINESS, INC. MADISON, WI		
			3,500.00
65.	DOW CHEMICAL U.S.A. MIDLAND, MI CHEMICAL ENGINEERING DEPARTMENT CHAIRMAN'S DISCRETIONARY MSN ENGR CHEMICAL ENGR (133-3852)		1,250.00
66.	CONSORTIUM FOR GRADUATE STUDY IN MANAGEMENT MSN BUS SCH OF BUSINESS (133-5984)		
	900.00 MULTIPLE DONORS		
	24,342.00 WASHINGTON UNIVERSITY ST LOUIS, MO		
			25,242.00
67.	INFORMATION RESOURCES FOR MANAGEMENT MILWAUKEE, WI SENSORY AND CHEMICAL PROPERTIES OF FOOD FLAVORS MSN AG&LSC FOOD SCIENCE (133-8343)		2,125.00
68.	AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION ROCKVILLE, MD DEFRAY COST OF SALARY OF SECRETARY TO PROFESSOR OF COMMUNICATIVE DISORDERS WHO IS PRESIDENT OF AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION MSN L&S COMMUN DISORDERS (133-8352)		161.55
69.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF CHEMICAL ENGINEERING CHAIRMAN'S DISCRETIONARY GRANT MSN ENGR CHEMICAL ENGR (133-8366)		100,000.00
70.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UNRESTRICTED GRANT FOR THE DEPARTMENT OF CHEMICAL ENGINEERING MSN ENGR CHEMICAL ENGR (133-9011)		3,000.00
71.	MINNESOTA MINING AND MANUFACTURING FOUNDATION, INC ST. PAUL, MN UNRESTRICTED GRANT IN THE DEPARTMENT OF CHEMISTRY MSN L&S CHEMISTRY (133-9597)		20,000.00

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## PHYSICAL PLANT

- |    |  |           |
|----|--|-----------|
| 1. | UNIVERSITY OF WISCONSIN FOUNDATION<br>MADISON, WI<br>UNIVERSITY OF WISCONSIN GOLF COURSE PLANNING<br>MSN G SERV PLANNING & CONST PLAN&CONST (133-K552) | 10,364.40 |
|----|--|-----------|

## RESEARCH

- |    |  |                        |
|----|--|------------------------|
| 1. | E.I. DUPONT DE NEMOURS & COMPANY<br>WILMINGTON, DE<br>QUANTITATION OF INTERFERON-INDUCED PROTEINS<br>USING SPECIFIC ANTIBODIES<br>MSN HS-MED HUMAN ONCOLOGY IMMUNOLOGY |                        |
| 2. | EARNINGS ON MISC. INVESTMENTS<br>PHANEUF, DUANE--MEDICAL RESEARCH<br>MSN HS-MED ( TRUST )  | 79.32                  |
| 3. | MULTIPLE DONORS<br>COLLINS, HORACE--LEUKEMIA RESEARCH<br>MSN HS-MED MEDICINE HEMATOLOGY ( TRUST )  | 145.00                 |
| 4. | MULTIPLE DONORS<br>COMPUTER SCIENCES DEPARTMENT FELLOWSHIP<br>MSN L&S COMPUTER SCI ( TRUST )   | 21,015.05              |
| 5. | NORWEST BANK MINNESOTA N.A.<br>MINNEAPOLIS, MN<br>LYNUM, EDITH H. TRUST<br>LYNUM, EDITH H.--MEDICAL RESEARCH<br>MSN HS-MED ( TRUST )                                   | 3,570.88               |
| 6. | TRITON BIOSCIENCES, INC.<br>ALAMEDA, CA<br>HUMAN ONCOLOGY--GENERAL RESEARCH SUPPORT-<br>DR. TORMEY<br>MSN HS-MED HUMAN ONCOLOGY ( TRUST )                              | 1,000.00               |
| 7. | ACADEMIC PRESS<br>NEW YORK, NY<br>SCHOOL OF EDUCATION--WISCONSIN CENTER FOR<br>EDUCATION RESEARCH<br>MSN EDUC GENERAL ADMIN DEAN'S OFF ( TRUST )                       | 910.69                 |
| 8. | MCARDLE LABORATORY FOR CANCER RESEARCH--<br>DISCRETIONARY FUND<br>MSN HS-MED ONCOLOGY ( TRUST )  |                        |
|    | 820.50 ELBA TOWNSHIP<br>COLUMBUS, WI<br>TOWN OF RANDOLPH CHARITIES<br>CAMBRIA, WI  | \$ 256.00<br>\$ 564.50 |
|    | 50.00 DIVEN, DONOVAN<br>WAUKESHA, WI<br>DONOVAN, JAMES M. ESTATE   |                        |
|    | 1,000.00 SUDGEN, WILLIAM M.D.<br>MADISON, WI<br>INSTITUTE FOR CANCER RESEARCH  |                        |
|    |  | 1,870.50               |

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9.	WISCONSIN CLINICAL CANCER CENTER--RESEARCH MSN HS-MED HUMAN ONCOLOGY	( TRUST )	
	195.00	MULTIPLE DONORS	
	50.00	MAY STORES FOUNDATION ST. LOUIS, MO	
	585.00	MULTIPLE DONORS	
	85.00	MULTIPLE DONORS	
			915.00
10.	AGRICULTURE, DEPT. OF MADISON, WI WISCONSIN LAND RECORDS PROJECT FOR ACCELERATING CONSERVATION PLANNING AND PROGRAM SERVICES DELIVERY FOR THE PERIOD 02-17-87 THROUGH 12-31-88 AT A TOTAL COST OF \$215,500.00 AWARD # 695 F48758, MOD. 2 MSN AG&LSC NR-LANDSCAP ARCH	( 144-Y976 )	59,530.00
11.	AGRICULTURE, DEPT. OF MINNEAPOLIS, MN SURFACE WATER VAPOR AND SENSIBLE HEAT FLUXES FOR RESIDUE COVERED SOILS FOR THE PERIOD 04-29-85 THROUGH 07-31-88 AT A TOTAL COST OF \$13,000.00 AWARD # 58-5759-5-3, MOD. 8 MSN AG&LSC SOIL SCIENCE	( 144-W601 )	3,000.00
12.	IOWA STATE UNIVERSITY NORTH CENTRAL REGIONAL CENTER FOR RURAL DEVELOPMENT AMES, IA PRIME CONTRACTOR WITH AGRIC ESTIMATES OF MIGRANT AND SEASONAL FARMWORKER POPULATIONS IN IOWA, KANSAS, MISSOURI, NEBRASKA FOR THE PERIOD 03-01-88 THROUGH 09-30-88 AWARD # AGR #88-1 MSN AG&LSC RURAL SOCIOLOGY	( 144-AG16 )	3,000.00
13.	AGRIC, FOREST SERVICE MADISON, WI IN SUPPORT OF THE FOLLOWING:		
	1) PILOT STUDY IN DEVELOPING A FIRE ENDURANCE MODEL FOR WOOD TRUSSES FOR THE PERIOD 03-21-88 THROUGH 07-31-90 AWARD # FP-88-1037 MSN ENGR CIVIL & ENV ENGR	( 144-AF72 )	24,760.00
	2) DEVELOPMENT OF TIMBER BRIDGES: PLANNING, ANALYSIS AND MONITORING FOR THE PERIOD 03-21-88 THROUGH 12-31-88 AWARD # FP-88-1044 MSN ENGR CIVIL & ENV ENGR	( 144-AF73 )	8,100.00

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- 3) IDENTIFICATION OF MICROBIAL POPULATION IN WETWOOD  
OF OAK SAWTIMBER  
FOR THE PERIOD 03-15-88 THROUGH 08-31-88  
AWARD # FP88-1036  
MSN AG&LSC BACTERIOLOGY (144-AF91) 35,504.00
14. AGRIC, FOREST SERVICE  
RESEARCH TRIANGLE PARK, NC  
MODELS OF FOREST AREA CHANGES IN THE UNITED STATES  
FOR THE PERIOD 01-01-88 THROUGH 12-31-88  
AWARD # 29-397  
MSN AG&LSC N RSRCS-FORESTRY (144-AG32) 13,750.00
15. AGRIC, FOREST SERVICE  
ST PAUL, MN  
IN SUPPORT OF THE FOLLOWING:
- 1) FACTORS AFFECTING THE AESTHETIC EXPERIENCE OF  
FOREST ENVIRONMENT  
FOR THE PERIOD 04-04-88 THROUGH 12-01-89  
AWARD # 23-88-04  
MSN AG&LSC NR-LANDSCAP ARCH (144-AG10) 20,196.00
- 2) DEVELOPING TECHNIQUES FOR PROMOTING EARLY FLOWING  
IN JACK PINES  
FOR THE PERIOD 04-11-88 THROUGH 09-30-91  
AWARD # 23-88-05  
MSN AG&LSC N RSRCS-FORESTRY (144-AG33) 20,000.00
16. METASYSTEMS, INC  
CAMBRIDGE, MA  
PRIME CONTRACTOR WITH AID  
EGYPTIAN ENERGY CAIRO SEMINARS FROM THE PERIOD  
OF 03-15-88 THROUGH 07-31-88  
FOR THE PERIOD 03-28-88 THROUGH 08-06-88  
AWARD # 10-242-C  
MSN ENGR ENGR EXPR STA INTL ENGRG (144-AG48) 108,201.00
17. MICHIGAN STATE UNIVERSITY  
EAST LANSING, MI  
PRIME CONTRACTOR WITH AID  
PLANT-MICROBIAL INTERACTONS IN BEANS:  
IMPROVEMENT OF NITROGEN FIXATION AND DISEASE  
RESISTANCE  
FOR THE PERIOD 05-07-86 THROUGH 09-30-88  
AWARD # AGR DTD 08-12-86, MOD. 3  
MSN AG&LSC PLANT PATHOLOGY (144-X857) 44,777.41
18. EDUCATION, DEPT OF  
WASHINGTON, DC  
UPDATE BASELINE MANAGEMENT PLAN  
FOR THE PERIOD 10-01-86 THROUGH 09-30-89  
AT A TOTAL COST OF \$1,752,919.00  
AWARD # 300860050, MOD. 9  
MSN EDUC WIS CTR EDUC RES (144-Y638) 612,186.00

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19. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM  
ROCKVILLE, MD  
IN SUPPORT OF THE FOLLOWING:
- 1) EPIDEMIOLOGY AND RISK FACTORS FOR BULIMIA  
FOR THE PERIOD 04-01-88 THROUGH 03-31-89  
AWARD # 5 R23 MH42143-02  
MSN HS-PSY PSYCHIATRIC INST (144-AF30) 28,750.00
  - 2) ALCOHOL USE AND HIGHWAY SAFETY:  
DRIVER AGE AND ATTENTION  
FOR THE PERIOD 04-01-88 THROUGH 03-31-89  
AWARD # 1 RO1 AA07391-01  
MSN L&S PSYCHOLOGY (144-AG17) 131,899.00
20. WI DEPT OF HEALTH & SOCIAL SERVICES  
MADISON, WI  
PRIME CONTRACTOR WITH DHHS PHS HRSA  
AMELIORATION OF HEALTH PROBLEMS OF CHILDREN  
WITH PARENTS WITH MENTAL RETARDATION  
FOR THE PERIOD 03-15-88 THROUGH 12-31-88  
AWARD # PO #FDH EO5547  
MSN GRAD WAISMAN CENTER (144-AF51) 43,081.00
21. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH  
BETHESDA, MD  
IN SUPPORT OF THE FOLLOWING:
- 1) ELECTROPHYSIOLOGIC CORRELATES OF AUDITORY  
DEVELOPMENT  
FOR THE PERIOD 01-01-88 THROUGH 12-31-88  
AT A TOTAL COST OF \$292,858.00  
AWARD # 5 RO1 NS16436-08, MOD. 1  
MSN GRAD WAISMAN CENTER (144-AC16) 216,167.00
  - 2) THALAMIC CONNECTIONS  
FOR THE PERIOD 12-01-87 THROUGH 11-30-88  
AT A TOTAL COST OF \$91,440.00  
AWARD # 5 RO1 NS13453-09, MOD. 1  
MSN HS-MED ANATOMY (144-AC17) 68,755.00
  - 3) SATELLITE CELLS, MUSCLE GROWTH AND  
REGENERATION POTENTIAL  
FOR THE PERIOD 12-01-87 THROUGH 11-30-88  
AT A TOTAL COST OF \$93,244.00  
AWARD # 5 RO1 AR38033-02, MOD. 1  
MSN HS-MED ANATOMY (144-AC18) 68,526.00
  - 4) T LYMPHOCYTE HYBRIDS AND LYMPHOBLASTOID VARIANTS  
(REDUCED TO REFLECT FUNDING AGENCY CORRECTION  
IN THE AMOUNT OF INDIRECT COSTS AWARDED)  
FOR THE PERIOD 12-01-87 THROUGH 11-30-88  
AT A TOTAL COST OF \$342,476.00  
AWARD # 2 RO1 AI15486-10, MOD. 2  
MSN HS-MED GENETICS (144-AC43) 1,237.00-



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|-----|---|------------|------------|
| 14) | PHOSPHATIDYL INOSITOL, PROSTAGLANDINS<br>AND EXCITATION<br>FOR THE PERIOD 04-01-88 THROUGH 03-31-89<br>AWARD # 5 RO1 HL16318-30<br>MSN HS-MED PHARMACOLOGY  | (144-AE91) | 191,365.00 |
| 15) | AUDITORY CORTEX<br>FOR THE PERIOD 04-01-88 THROUGH 03-31-89<br>AWARD # 5 RO1 NS24559-02<br>MSN HS-MED NEUROPHYSIOLOGY   | (144-AE92) | 133,390.00 |
| 16) | METABOLISM OF POLYCYCLIC HYDROCARBONS AND<br>CARCINOGENESIS<br>FOR THE PERIOD 04-01-88 THROUGH 03-31-89<br>AWARD # 5 RO1 CA16265-14<br>MSN HS-MED PHARMACOLOGY  | (144-AE94) | 160,830.00 |
| 17) | CENTRAL VEIN OCCLUSION STUDY - PARTICIPATING<br>CENTER<br>FOR THE PERIOD 03-01-88 THROUGH 02-28-89<br>AT A TOTAL COST OF \$101,537.00<br>AWARD # 1 UO1 EYO6752-01A2, MOD. 1<br>MSN HS-MED OPHTHALMOLOGY   | (144-AF08) | 472.00     |
| 18) | NEUROGENIC SPEECH DISORDERS<br>FOR THE PERIOD 04-01-88 THROUGH 03-31-89<br>AWARD # 5 PO1 NS13274-12<br>MSN GRAD WAISMAN CENTER  | (144-AF10) | 957,172.00 |
| 19) | RADIATION SENSITIZERS: INTERACTIONS WITH OTHER<br>MODALITIES<br>FOR THE PERIOD 04-01-88 THROUGH 03-31-89<br>AWARD # 5 RO1 CA42325-04<br>MSN HS-MED HUMAN ONCOLOGY RAD BIOL  | (144-AF11) | 121,847.00 |
| 20) | BIOMEDICAL RESEARCH SUPPORT<br>FOR THE PERIOD 04-01-88 THROUGH 03-31-89<br>AWARD # 2 SO7 RRO5435-27<br>MSN HS-MED ADMINISTRATION DEANS OFFC   | (144-AF12) | 271,092.00 |
| 21) | SYNTHESIS AND ACTIVITY OF CYCLOSPORIN<br>ANALOGUES<br>(REDUCED TO REFLECT FUNDING AGENCY CORRECTION<br>IN THE AMOUNT OF INDIRECT COSTS AWARDED)<br>FOR THE PERIOD 04-01-88 THROUGH 03-31-89<br>AT A TOTAL COST OF \$131,748.00<br>AWARD # 5 RO1 AR32007-06, MOD. 1<br>MSN HS-PHR PHARMACY | (144-AF14) | 2,032.00-  |
| 22) | CA2+ DEPENDENT PROCESSES INVOLVED IN PHORBOL<br>ESTER TUMOR PROMOTION<br>FOR THE PERIOD 04-01-88 THROUGH 03-31-89<br>AWARD # 5 RO1 CA35368-05<br>MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL   | (144-AF15) | 92,336.00  |



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23) MUSCLE AND BONE RESPONSE TO EXERCISE IN ELDERLY WOMEN FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 1 RO1 AG07154-01A1 MSN HS-MED PREVENTIVE MED	(144-AF17)	72,666.00
24) CHARACTERIZATION OF NUTRIENT TRANSPORT INTO BRAIN FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 DK34415-02 MSN AG&LSC NUTRITIONAL SCI	(144-AF18)	72,053.00
25) SYNTHESIS OF HORMONAL, ANTIBIOTIC AND ANTIFUNGAL AGENTS FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AT A TOTAL COST OF \$174,183.00 AWARD # 2 RO1 GM28321-07, MOD. 1 MSN L&S CHEMISTRY	(144-AF27)	88.00
26) MECHANISMS OF AXON CONDUCTION FAILURE FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 NS13600-11 MSN HS-MED PHYSIOLOGY	(144-AF31)	87,253.00
27) MECHANISM OF SYNTHESIS OF SMALL VIRUSES FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 AI15342-15 MSN GRAD INST MOL VIR INST MOL V	(144-AF42)	146,172.00
28) ESTROGEN REGULATION OF GROWTH AND FUNCTION FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 R37 HD08192-16 MSN AG&LSC BIOCHEMISTRY	(144-AF43)	168,386.00
29) DEVELOPMENTAL STUDIES ON THE MOTOR SYSTEM FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 NS14428-11 MSN HS-MED ANATOMY	(144-AF48)	207,951.00
30) TRANSCRIPTIONAL REGULATION OF GROWTH-RELATED GENES FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 R29 CA45240-02 MSN HS-MED ONCOLOGY	(144-AF50)	46,997.00
31) GENETIC ANALYSIS OF NEMATODE DEVELOPMENT FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 GM31816-06 MSN GRAD MOLECULAR BIOL	(144-AF55)	154,276.00
32) QUANTITATIVE VENTRICULOGRAPHY USING DUAL-ENERGY DSA FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 HL38409-02 MSN HS-MED MEDICINE CARDIOLOGY	(144-AF56)	170,591.00

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33)	ACADEMIC/TEACHER AWARD FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 KO7 AIO0652-04 MSN HS-MED MEDICINE	RHEUMATOL	(144-AF57)	51,128.00
34)	ION CHANNELS IN YEAST FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 GM37925-02 MSN GRAD	MOLECULAR BIOL	(144-AF58)	159,712.00
35)	ELECTRORETINOGRAPHIC STUDIES IN DIABETIC RETINOPATHY FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 EYO3084-10 MSN HS-MED OPHTHALMOLOGY		(144-AF59)	162,137.00
36)	IGG1 AND IGE RECEPTOR MECHANISMS IN GUINEA PIG LUNG FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 RO1 HL33237-04 MSN HS-MED MEDICINE	RHEUMATOL	(144-AF60)	69,746.00
37)	CA- AND K- CHANNELS IN WILD TYPE AND MUTANTS OF PARAMECIUM FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 GM36386-03 MSN GRAD	MOLECULAR BIOL	(144-AF61)	199,623.00
38)	BIOCHEMICAL STUDIES IN CHEMICAL CARCINOGENESIS PROJECT #1 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22484-11 MSN HS-MED ONCOLOGY		(144-AF62)	94,937.00
39)	BIOCHEMICAL STUDIES IN CHEMICAL CARCINOGENESIS PROJECT #2 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 RO1 CA22484-11 MSN HS-MED ONCOLOGY		(144-AF63)	85,809.00
40)	BIOCHEMICAL STUDIES IN CHEMICAL CARCINOGENESIS PROJECT #3 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22484-11 MSN HS-MED ONCOLOGY		(144-AF64)	175,924.00
41)	BIOCHEMICAL STUDIES IN CHEMICAL CARCINOGENESIS PROJECT #4 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22484-11 MSN HS-MED ONCOLOGY		(144-AF65)	284,986.00
42)	BIOCHEMICAL STUDIES IN CHEMICAL CARCINOGENESIS PROJECT #5 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22484-11 MSN HS-MED ONCOLOGY		(144-AF66)	311,160.00

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43)	BIOCHEMICAL STUDIES IN CHEMICAL CARCINOGENESIS PROJECT #6 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22484-11 MSN HS-MED ONCOLOGY	(144-AF67)	42,247.00
44)	BIOCHEMICAL STUDIES IN CHEMICAL CARCINOGENESIS PROJECT #7 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22484-11 MSN HS-MED ONCOLOGY	(144-AF68)	48,927.00
45)	EFFECTS OF ALTERED DIET AND PLASMA AMINO ACID PATTERN FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 R01 DK10747-22 MSN AG&LSC BIOCHEMISTRY	(144-AF70)	190,264.00
46)	DESIGN AND SYNTHESIS OF CYSTEINE PROTEINASE INHIBITORS FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 1 R01 GM40092-01 MSN HS-PHR PHARMACY	(144-AF78)	114,095.00
47)	STRUCTURE/FUNCTION CORRELATION OF RETINAL GANGLION CELLS FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 R01 EYO4977-06 MSN GRAD WAISMAN CENTER	(144-AF79)	115,776.00
48)	ACADEMIC/TEACHER AWARD FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 K07 NS00956-04 MSN VET M PATHOBIOLOGCL SCI	(144-AF80)	57,413.00
49)	MOLECULAR BIOLOGY AND GENETICS OF TUMOR VIRUSES PROJECT #1 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22443-11 MSN HS-MED ONCOLOGY	(144-AF81)	381,541.00
50)	MOLECULAR BIOLOGY AND GENETICS OF TUMOR VIRUSES PROJECT #2 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22443-11 MSN HS-MED ONCOLOGY	(144-AF82)	256,130.00
51)	MOLECULAR BIOLOGY AND GENETICS OF TUMOR VIRUSES PROJECT #3 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22443-11 MSN HS-MED ONCOLOGY	(144-AF83)	153,195.00
52)	MOLECULAR BIOLOGY AND GENETICS OF TUMOR VIRUSES PROJECT #4 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22443-11 MSN HS-MED ONCOLOGY	(144-AF84)	144,742.00

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53)	MOLECULAR BIOLOGY AND GENETICS OF TUMOR VIRUSES PROJECT #5 FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 PO1 CA22443-11 MSN HS-MED ONCOLOGY	(144-AF85)	264,447.00
54)	FUNCTION OF THE ISOLATED EOSINOPHIL IN ASTHMA FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 RO1 AI23181-03 MSN HS-MED MEDICINE	ALLRGY&IMM (144-AF87)	77,973.00
55)	EPIDERMAL GROWTH FACTOR AND HUMAN BLADDER CANCER FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 CA44801-02 MSN HS-MED SURGERY	UROLOGY (144-AF92)	71,246.00
56)	STUDIES IN ORGAN PRESERVATION FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 R37 DK18624-13 MSN HS-MED SURGERY	GEN SURG (144-AF96)	272,193.00
57)	ACTIVE LIPIDS DERIVED FROM POLYUNSATURATED FATTY ACID FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 DK09688-22 MSN HS-PHR PHARMACY	(144-AF99)	157,035.00
58)	PHANTOMS TO AID IN BREAST CANCER DIAGNOSIS FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 RO1 CA25634-09 MSN HS-MED MEDICAL PHYSICS	(144-AG01)	116,853.00
59)	MECHANISM AND THERAPY OF CEREBROVASCULAR SPASM FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 RO1 NS20637-04 MSN HS-MED SURGERY	NEUROSURG (144-AG02)	160,080.00
60)	STUDIES OF PSYCHOSIS-PRONE YOUNG ADULTS AND PSYCHOTICS FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 RO1 MH31067-08 MSN L&S PSYCHOLOGY	(144-AG04)	178,117.00
61)	HYPOTHALAMIC CONTROL OF PUBERTY FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 RO1 HD11355-10 MSN L&S PRIMATE RES CTR	(144-AG07)	176,382.00
62)	POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 1 F32 HDO7136-01 MSN AG&LSC BIOCHEMISTRY	(144-AG08)	18,996.00
63)	DEVELOPMENT OF VISUAL ORIENTATION BANDWIDTH IN HUMANS FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 1 RO1 EYO7117-01A1 MSN GRAD WAISMAN CENTER	(144-AG09)	68,611.00

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64)	ANALYSES OF CELL DEVELOPMENT IN BLASTOCLADIELLA FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 5 RO1 GM36474-02 MSN L&S ZOOLOGY	(144-AG14)	65,233.00
65)	BIOMEDICAL RESEARCH SUPPORT FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 S07 RRO5456-26 MSN HS-PHR PHARMACY	(144-AG24)	43,941.00
66)	BIOMEDICAL RESEARCH SUPPORT FOR THE PERIOD 04-01-88 THROUGH 03-31-89 AWARD # 2 S07 RRO5912-05 MSN VET M ADM-RES& GRAD TR ADM-RES&GR	(144-AG27)	52,144.00
67)	FACTORS CONTROLLING SUSCEPTIBILITY TO MAMMARY CANCER FOR THE PERIOD 04-05-88 THROUGH 03-31-89 AWARD # 2 RO1 CA28954-07A1 MSN HS-MED HUMAN ONCOLOGY RAD BIOL	(144-AG30)	119,012.00
68)	SYSTEMIC HYPERTHERMIA AND MISONIDAZOLE CHEMOPOTENTIATION FOR THE PERIOD 05-01-88 THROUGH 04-30-89 AWARD # 5 RO1 CA44381-02 MSN HS-MED HUMAN ONCOLOGY RAD BIOL	(144-AG31)	104,875.00
69)	CRYSTALLOGRAPHIC STUDIES OF TROPONIN C FOR THE PERIOD 08-01-86 THROUGH 06-30-88 AT A TOTAL COST OF \$112,793.00 AWARD # 3 RO1 AR34139-03S2, MOD. 3 MSN AG&LSC BIOCHEMISTRY	(144-Y198)	6,551.00
70)	CANCER CENTER SUPPORT (COMPREHENSIVE) FOR THE PERIOD 04-01-87 THROUGH 06-30-88 AT A TOTAL COST OF \$2,559,639.00 AWARD # 5 P30 CA14520-15S1, MOD. 1 MSN HS-MED HUMAN ONCOLOGY	(144-Z104)	494,767.00
71)	REGIONAL PRIMATE RESEARCH CENTER SUPPORT FOR THE PERIOD 05-01-87 THROUGH 04-30-88 AT A TOTAL COST OF \$3,271,168.00 AWARD # 5 P51 RRO0167-27, MOD. 3 MSN L&S PRIMATE RES CTR	(144-Z233)	126,000.00
22.	FRONTIER SCIENCE AND TECHNOLOGY RESEARCH FOUNDATION, INC. AMHERST, NY PRIME CONTRACTOR WITH DHHS PHS NIH ECOG COOPERATIVE GROUP OUTREACH PROGRAM OUTREACH ACTIVITIES FOR THE PERIOD 12-01-87 THROUGH 11-30-88 AWARD # CA39088-04-42-01 MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL	(144-AB97)	29,274.00

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23. FRONTIER SCIENCE AND TECHNOLOGY  
RESEARCH FOUNDATION, INC.  
AMHERST, NY  
PRIME CONTRACTOR WITH DHHS PHS NIH  
ECOG COOPERATIVE GROUP OUTREACH PROGRAM  
OPERATIONS OFFICE  
FOR THE PERIOD 12-01-87 THROUGH 11-30-88  
AWARD # CA39088-04-42-01  
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (144-AB98) 112,018.00
24. GEORGE WASHINGTON UNIVERSITY  
WASHINGTON, DC  
PRIME CONTRACTOR WITH DHHS PHS NIH  
OPHTHALMOLOGIC READING CENTER FOR THE DIABETES  
CONTROL/COMPLICATIONS TRIAL  
FOR THE PERIOD 10-01-82 THROUGH 02-28-89  
AT A TOTAL COST OF \$839,922.00  
AWARD # SUBCONTRACT 82-S13, MOD. 9  
MSN HS-MED OPHTHALMOLOGY (144-S770) 223,631.00
25. EBASCO  
NEW YORK, NY  
PRIME CONTRACTOR WITH DOD  
SUPERCONDUCTIVE MAGNETIC ENERGY STORAGE  
ENGINEERING TEST MODEL DEVELOPMENT PROGRAM  
FOR THE PERIOD 12-03-87 THROUGH 06-02-90  
AT A TOTAL COST OF \$419,000.00  
AWARD # 00274, MOD. 1  
MSN ENGR ENGR EXPER STA SUPRCONDCT (144-AC87) 250,000.00
26. DOD, AIR FORCE  
BOLLING AFB, DC  
IN SUPPORT OF THE FOLLOWING:
- 1) TOXICOLOGY OF PERFLUORODECANOIC ACID  
FOR THE PERIOD 06-01-88 THROUGH 05-31-89  
AWARD # AFOSR-85-0207  
MSN HS-PHR PHARMACY (144-AF53) 156,449.00
- 2) LIFE TESTING AND RELIABILITY WITH APPLICATION IN  
ENGINEERING SYSTEMS  
FOR THE PERIOD 06-15-88 THROUGH 06-14-89  
AWARD # AFOSR 87-0256  
MSN L&S STATISTICS (144-AG45) 80,377.00
27. DOD, AIR FORCE  
VANDENBERG AFB, CA  
GEOSTATIONARY ORBITING ENVIRONMENTAL SATELLITE  
(GOES) EARTH STATION  
FOR THE PERIOD 10-01-87 THROUGH 06-30-88  
AT A TOTAL COST OF \$1,407,906.00  
AWARD # FO4703-87-C-0728, MOD. 3  
MSN GRAD SPACE SCI&ENG CT (144-AA31) 57,670.00
28. COMPUTER CORPORATION OF AMERICA  
CAMBRIDGE, MA  
PRIME CONTRACTOR WITH DOD AF  
HIPAC--A HIGH PERFORMANCE ACTIVE DATA MANAGER FOR  
TIME-CONSTRAINED KNOWLEDGE PROCESSING  
FOR THE PERIOD 06-01-87 THROUGH 09-15-88  
AT A TOTAL COST OF \$121,180.00  
AWARD # 24006, MOD. 2  
MSN L&S COMPUTER SCI (144-Z661) 63,125.00

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29. DOD, ARMY  
RESEARCH TRIANGLE PARK, NC  
IN SUPPORT OF THE FOLLOWING:
- 1) SOLIDIFICATION OF HIGHLY UNDERCOOLED LIQUID DROPLETS  
FOR THE PERIOD 07-01-86 THROUGH 06-30-89  
AT A TOTAL COST OF \$255,410.00  
AWARD # DAALO3-86-K-0114, MOD. 2  
MSN ENGR MET & MIN ENGR (144-Y117) 94,660.00
  - 2) SPLINE FUNCTIONS AND SURFACES  
FOR THE PERIOD 05-23-87 THROUGH 05-22-89  
AT A TOTAL COST OF \$150,000.00  
AWARD # DAALO3-87-K-0030, MOD. 1  
MSN L&S CTR MATH SCI (144-Z092) 75,000.00
  - 3) INTERDISCIPLINARY RESEARCH ON VISCOELASTICITY AND RHEOLOGY  
FOR THE PERIOD 05-23-87 THROUGH 05-22-89  
AT A TOTAL COST OF \$120,000.00  
AWARD # DAALO3-87-K-0036, MOD. 1  
MSN L&S CTR MATH SCI (144-Z129) 60,000.00
  - 4) SOME PROBLEMS IN NONLINEAR ANALYSIS  
FOR THE PERIOD 05-23-87 THROUGH 05-22-89  
AT A TOTAL COST OF \$120,000.00  
AWARD # DAALO3-87-K-0043, MOD. 1  
MSN L&S CTR MATH SCI (144-Z130) 60,000.00
30. DOD, NAVY  
WASHINGTON, DC  
THE PREPARATION AND CHARACTERIZATION OF THE ELECTRONIC PROPERTIES OF SN-BASED DIRECT GAP GROUP IV SEMICONDUCTORS  
FOR THE PERIOD 08-15-86 THROUGH 06-30-88  
AT A TOTAL COST OF \$267,100.00  
AWARD # NOOO14-86-K-2022, MOD. 4  
MSN GRAD SYNCHR RAD CTR SYNCH-RAD (144-Y398) 38,600.00
31. ENERGY, DEPT OF  
ARGONNE, IL  
IN SUPPORT OF THE FOLLOWING:
- 1) CARBON MONOXIDE METABOLISM BY PHOTOSYNTHETIC BACTERIA  
FOR THE PERIOD 03-15-88 THROUGH 03-14-89  
AWARD # DE-FGO2-87ER13691  
MSN AG&LSC BIOCHEMISTRY (144-AF93) 70,000.00
  - 2) PHYSIOLOGICAL AND ECOLOGICAL IMPLICATIONS OF COUPLED HEAT AND WATER-TRANSPORT MECHANISMS OF ENDOTHERMS AND VEGETATION  
FOR THE PERIOD 04-01-88 THROUGH 03-31-89  
AWARD # DE-FGO2-84ERO6264  
MSN L&S ZOOLOGY (144-AG05) 30,000.00

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32. SANDIA NATIONAL LABORATORIES  
ALBUQUERQUE, NM  
PRIME CONTRACTOR WITH DOE  
LIGHT ION BEAM CHANNEL ANALYSIS  
FOR THE PERIOD 03-28-88 THROUGH 09-30-88  
AWARD # P.O. #55-6876  
MSN ENGR NUC ENGR&E PHYSC (144-AG12) 100,000.00
33. EG & 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 10-31-88  
AT A TOTAL COST OF \$147,313.00  
AWARD # C83-100174, MOD. 8  
MSN ENGR NUC ENGR&E PHYSC (144-T613) 11,000.00
34. EG & G IDAHO, INC  
IDAHO FALLS, ID  
PRIME CONTRACTOR WITH DOE  
MICROSTRUCTURE SUPPORT FOR ENTRAPPED GAS BEHAVIOR  
IN RAPIDLY SOLIDIFIED METALS  
FOR THE PERIOD 04-22-87 THROUGH 09-30-88  
AT A TOTAL COST OF \$86,000.00  
AWARD # C87-101251 TASK 1, MOD. 1  
MSN ENGR MET & MIN ENGR (144-Z324) 56,000.00
35. ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC  
ANALYSIS OF THE EFFECTS OF INCREASED ACIDITY ON  
LAKE ECOSYSTEMS BY A WHOLE LAKE MANIPULATION:  
SITE GENERAL ACTIVITIES AND ZOOPLANKTON  
FOR THE PERIOD 04-25-88 THROUGH 04-24-90  
AWARD # CR814937-01-0  
MSN L&S LIMNOLOGY CTR (144-AF71) 60,475.00
36. INTERIOR, DEPT OF  
BOSTON, MA  
THE PALEOLIMNOLOGY AND PALYNOLOGY AT CAPE COD  
NATIONAL SEASHORE  
FOR THE PERIOD 04-04-88 THROUGH 03-14-89  
AWARD # CA1600-6-0004, MOD. 3  
MSN ENV ST CTR FOR CLIM RES (144-AC71) 25,500.00
37. INTER, FISH AND WILDLIFE SERVICE  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:
- 1) ESTIMATES OF FALL FLIGHT AND ALLOWANCE HARVEST IN  
CANADA GEESE IN THE MISSISSIPPI FLYWAY  
FOR THE PERIOD 08-15-84 THROUGH 03-15-89  
AT A TOTAL COST OF \$46,000.00  
AWARD # 14-16-0009-1511 #16, MOD. 5  
MSN AG&LSC N R-WILDLIF ECOL (144-U892) 10,000.00



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- 2) MIGRATION AND SURVIVAL OF SOME CANADA GEESE THAT WINTER IN THE WESTERN PORTION OF THE MISSISSIPPI FLYWAY  
FOR THE PERIOD 02-15-85 THROUGH 09-30-88  
AT A TOTAL COST OF \$110,000.00  
AWARD # 14-16-0009-1511 #18, MOD. 4  
MSN AG&LSC N R-WILDLIF ECOL (144-W464) 30,000.00
- 3) WATERFOUL WINTERING IN SOUTH AND CENTRAL AMERICA  
FOR THE PERIOD 08-10-87 THROUGH 09-30-92  
AT A TOTAL COST OF \$12,000.00  
AWARD # 14-16-0009-1511 WD 27  
MSN AG&LSC N R-WILDLIF ECOL (144-Z865) 6,000.00
38. NATIONAL AERONAUTICS AND SPACE ADMIN  
HOUSTON, TX  
FLUID INCLUSION AND CRUSTAL EVOLUTION IN THE ARCHEON PIKWITONEI DOMAIN, MANITOBA  
FOR THE PERIOD 02-01-87 THROUGH 02-28-89  
AT A TOTAL COST OF \$39,500.00  
AWARD # NAG 9-189, MOD. 2  
MSN L&S GEOL & GEOPHYSCS (144-Y828) 19,500.00
39. JET PROPULSION LABORATORY  
PASADENA, CA  
PRIME CONTRACTOR WITH NASA  
PARTICIPATION IN THE VOYAGER IMAGING SCIENCE TEAM NEPTUNE OPERATIONS AND URANUS DATA ANALYSIS  
FOR THE PERIOD 10-01-86 THROUGH 09-30-88  
AT A TOTAL COST OF \$78,102.00  
AWARD # 957739, MOD. 1  
MSN GRAD SPACE SCI&ENG CT (144-Y674) 40,200.00
40. NASA, AMES RESEARCH CENTER  
MOFFETT FIELD, CA  
CO-INVESTIGATOR SUPPORT ON THE GALILEO NET FLUX RADIOMETER EXPERIMENT  
FOR THE PERIOD 01-01-85 THROUGH 12-31-89  
AT A TOTAL COST OF \$937,929.00  
AWARD # NAS2-12078, MOD. 9  
MSN GRAD SPACE SCI&ENG CT (144-W319) 225,000.00
41. NASA, GODDARD SPACE FLIGHT CENTER  
GREENBELT, MD  
IN SUPPORT OF THE FOLLOWING:
- 1) THE USE OF AVAILABLE POTENTIAL ENERGY TO ACCESS THE IMPACT OF WIND PROFILER DATA ON NUMERICAL WEATHER  
FOR THE PERIOD 01-01-84 THROUGH 01-31-89  
AT A TOTAL COST OF \$203,089.00  
AWARD # NAG5-385, MOD. 5  
MSN L&S METEOROLOGY (144-U014) 45,155.00
- 2) LIDAR MEASUREMENTS OF BOUNDARY LAYERS, AEROSOL SCATTERING AND CLOUDS DURING PROJECT FIFE  
FOR THE PERIOD 05-01-87 THROUGH 12-31-88  
AT A TOTAL COST OF \$122,347.00  
AWARD # NAG 5-902, MOD. 1  
MSN L&S METEOROLOGY (144-Z203) 60,000.00

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42. NASA, MARSHALL SPACE FLIGHT CENTER  
MARSHALL SPACE FLIGHT CENTER, AL  
IN SUPPORT OF THE FOLLOWING:
- 1) AN INVESTIGATION OF THE ROLE OF CURRENT AND FUTURE  
REMOTE SENSING DATA SYSTEMS IN NUMERICAL  
METEOROLOGY  
FOR THE PERIOD 03-25-88 THROUGH 03-24-89  
AWARD # NCC8-12  
MSN GRAD SPACE SCI&ENG CT (144-AF86) 65,000.00
  - 2) WISCONSIN ULTRAVIOLET PHOTO-POLARIMETER EXPERIMENT  
FOR THE PERIOD 09-04-81 THROUGH 09-30-88  
AT A TOTAL COST OF \$7,901,760.00  
AWARD # NAS5-26777, MOD. 36  
MSN L&S SPACE ASTRON LAB (144-R418) 100,000.00
43. NATIONAL SCIENCE FOUNDATION  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:
- 1) SUBSPACE APPROXIMATION-BASED ALGORITHMS AND VLSI  
ARCHITECTURE FOR REAL-TIME HIGH RESOLUTION  
SPECTRUM ESTIMATION  
FOR THE PERIOD 09-01-87 THROUGH 08-31-89  
AT A TOTAL COST OF \$69,800.00  
AWARD # MIP-8896111, MOD. 1  
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-AD40) 48,400.00
  - 2) WORKSHOP ON HYDRAULIC FRACTURING STRESS  
MEASUREMENTS  
FOR THE PERIOD 04-01-88 THROUGH 03-31-89  
AWARD # EAR-8720838  
MSN ENGR MET & MIN ENGR (144-AF88) 15,143.00
  - 3) DEFORMATION-INDUCED MELT MIGRATION AND RELATED  
ATTENUATION IN TEXTURALLY-EQUILIBRATED SILICATE  
PARTIAL MELTS  
FOR THE PERIOD 03-15-88 THROUGH 08-31-90  
AWARD # EAR-8720944  
MSN ENGR MET & MIN ENGR (144-AF89) 106,776.00
  - 4) MATHEMATICAL SCIENCES: NONLINEAR PARTIAL  
DIFFERENTIAL EQUATIONS FROM HYDRODYNAMICS  
FOR THE PERIOD 05-15-88 THROUGH 10-31-89  
AWARD # DMS-8721771  
MSN L&S MATHEMATICS (144-AG13) 25,074.00
  - 5) INTERANNUAL VARIABILITY OF TROPICAL CLIMATE  
FOR THE PERIOD 05-01-88 THROUGH 10-31-89  
AWARD # ATM-8722410  
MSN L&S METEOROLOGY (144-AG21) 124,737.00
  - 6) UNSATURATED HYDROCARBON CATION RADICAL CHEMISTRY  
FOR THE PERIOD 05-01-88 THROUGH 10-31-89  
AWARD # CHE-8801588  
MSN L&S CHEMISTRY (144-AG38) 95,000.00

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|-----|---|-------------|-----------|
| 7)  | GENETICS AND PHYSIOLOGY OF THE HYPERSENSITIVE<br>RESPONSE ELICITED IN PLANTS BY PSEUDOMONAS<br>SOLANACEARUM<br>FOR THE PERIOD 05-01-88 THROUGH 10-31-89<br>AWARD # DMB-8718310<br>MSN AG&LSC PLANT PATHOLOGY                                    | ( 144-AG39) | 80,000.00 |
| 8)  | U.S. - JAPAN COOPERATIVE RESEARCH: REGULATION<br>OF HEAT SHOCK RESPONSE IN E. COLI<br>FOR THE PERIOD 03-15-88 THROUGH 08-31-90<br>AWARD # INT-8716439<br>MSN AG&LSC BACTERIOLOGY  | ( 144-AG40) | 24,650.00 |
| 9)  | MATHEMATICAL SCIENCES: GEOMETRIC FUNCTION<br>THEORY IN SEVERAL COMPLEX VARIABLES<br>FOR THE PERIOD 05-15-88 THROUGH 10-31-89<br>AWARD # DMS-8800610<br>MSN L&S MATHEMATICS  | ( 144-AG47) | 22,547.00 |
| 10) | REU: TAXONOMY, SYSTEMATICS AND EVOLUTION OF<br>COLEOCHAETE<br>FOR THE PERIOD 10-15-87 THROUGH 03-31-91<br>AWARD # BSR-8707040<br>MSN L&S BOTANY   | ( 144-AG52) | 8,000.00  |
| 11) | PHYTOCHROME DESTRUCTION: MODEL SYSTEM FOR THE<br>STUDY OF SELECTIVE PROTEIN DEGRADATION<br>FOR THE PERIOD 03-01-85 THROUGH 08-31-88<br>AT A TOTAL COST OF \$218,000.00<br>AWARD # DCB-8409210, MOD. 3<br>MSN AG&LSC HORTICULTURE                | ( 144-W391) | 13,000.00 |
| 12) | POLYMER DIFFUSION BY FORCED RAYLEIGH SCATTERING<br>FOR THE PERIOD 04-15-86 THROUGH 09-30-89<br>AT A TOTAL COST OF \$240,000.00<br>AWARD # DMR-8515226, MOD. 2<br>MSN L&S CHEMISTRY  | ( 144-X763) | 80,000.00 |
| 13) | MATHEMATICAL SCIENCES: SINGULAR INTEGRALS<br>AND AVERAGES OF FUNCTIONS<br>FOR THE PERIOD 05-15-86 THROUGH 10-31-89<br>AT A TOTAL COST OF \$77,219.00<br>AWARD # DMS-8600302, MOD. 2<br>MSN L&S MATHEMATICS                                      | ( 144-X827) | 26,779.00 |
| 14) | MATHEMATICAL SCIENCES: PROBABILITY MEASURES<br>ON VECTOR SPACES; BASIC RESULTS AND APPLICATIONS<br>FOR THE PERIOD 05-15-86 THROUGH 10-31-89<br>AT A TOTAL COST OF \$116,955.00<br>AWARD # DMS-8521586, MOD. 2<br>MSN L&S MATHEMATICS            | ( 144-X837) | 40,280.00 |
| 15) | WAVE PROPAGATION, CONSERVATION RELATIONS AND<br>PARTICLE DIFFUSION IN INHOMOGENEOUS PLASMAS<br>FOR THE PERIOD 05-01-86 THROUGH 10-31-89<br>AT A TOTAL COST OF \$264,000.00<br>AWARD # ECS-8514978, MOD. 2<br>MSN ENGR ELEC & COM ENGR ELEC&COMP | ( 144-X889) | 87,000.00 |

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- 16) STUDIES OF PLASMA EQUILIBRIUM AND WAVE PHENOMENA  
IN TOROIDAL GEOMETRY (PHYSICS)  
FOR THE PERIOD 06-15-86 THROUGH 11-30-89  
AT A TOTAL COST OF \$128,700.00  
AWARD # PHY-8521231, MOD. 1  
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-Y041) 42,900.00
- 17) FAST PLANT KITS FOR TEACHING PRINCIPLES OF  
BIOLOGY IN K-12 SCIENCE  
FOR THE PERIOD 10-15-86 THROUGH 03-31-89  
AT A TOTAL COST OF \$254,708.00  
AWARD # MDR-8651604, MOD. 2  
MSN AG&LSC PLANT PATHOLOGY (144-Y713) 90,000.00
- 18) ORGANIZED MONOLAYERS AT ELECTRODE  
SURFACES BY VIBRATIONAL SPECTROSCOPY AND  
OPTICAL SECOND HARMONIC GENERATION  
FOR THE PERIOD 05-01-87 THROUGH 10-31-89  
AT A TOTAL COST OF \$234,000.00  
AWARD # CHE-8702128, MOD. 1  
MSN L&S CHEMISTRY (144-Z269) 72,000.00
- 19) INFINITE PARTICLE SYSTEMS AND RELATED MODELS  
FOR THE PERIOD 06-01-87 THROUGH 11-30-89  
AT A TOTAL COST OF \$88,650.00  
AWARD # DMS-8700831, MOD. 1  
MSN L&S MATHEMATICS (144-Z348) 41,750.00
- 20) MATHEMATICAL SCIENCES: DEVELOPMENT AND  
APPLICATION OF MATHEMATICAL METHODS FOR  
THE SCIENCES  
FOR THE PERIOD 07-01-87 THROUGH 12-31-89  
AT A TOTAL COST OF \$198,022.00  
AWARD # DMS-8521687, MOD. 3  
MSN L&S CTR MATH SCI (144-Z367) 20,557.00
- 21) LEAF STRUCTURE IN RELATION TO SOLUTE TRANSPORT  
AND PHLOEM LOADING  
FOR THE PERIOD 07-01-87 THROUGH 12-31-89  
AT A TOTAL COST OF \$164,000.00  
AWARD # DCB-8701116, MOD. 1  
MSN L&S BOTANY (144-Z412) 84,000.00
- 22) MATHEMATICAL SCIENCES: RATIONALIZATION OF THE  
"D-OPTIMAL" AND THE "VARIENCE PLUS BIAS"  
APPROACHES TO EXPERIMENTAL DESIGN  
FOR THE PERIOD 05-01-87 THROUGH 10-31-89  
AT A TOTAL COST OF \$54,240.00  
AWARD # DMS-8701027, MOD. 1  
MSN L&S STATISTICS (144-Z426) 27,290.00
- 23) IMPROVEMENTS IN HYDROFRACTURING PROCEDURE  
AND INTERPRETATION THROUGH LABORATORY TESTS  
FOR THE PERIOD 07-01-87 THROUGH 06-30-88  
AT A TOTAL COST OF \$17,646.00  
AWARD # EAR-8708164, MOD. 1  
MSN ENGR MET & MIN ENGR (144-Z469) 2,631.00

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24.)	PHYSIOLOGY AND MOLECULAR BIOLOGY OF INSECT PARASITISM FOR THE PERIOD 12-15-87 THROUGH 05-31-89 AT A TOTAL COST OF \$54,000.00 AWARD # DCB-8703646, MOD. 1 MSN AG&LSC ENTOMOLOGY	(144-Z882)	4,000.00
44.	WI DEPT OF TRANSPORTATION MADISON, WI PRIME CONTRACTOR WITH TRANS DESIGN OF THE PAVEMENT MANAGEMENT DECISION SUPPORT SYSTEM FOR WISCONSIN DOT FOR THE PERIOD 02-01-88 THROUGH 12-31-88 AWARD # 0091-88-55 MSN ENGR INDUSTRIAL ENGR	(144-AF69)	100,000.00
45.	WI DEPT OF TRANSPORTATION MADISON, WI PRIME CONTRACTOR WITH TRANS MEASUREMENTS FROM OPTICAL DISC PHOTOLOG SYSTEM FOR THE PERIOD 03-01-88 THROUGH 05-31-88 AWARD # PD #TRH08499 MSN ENGR CIVIL & ENV ENGR	(144-AG42)	6,000.00
46.	VETERANS ADMIN MADISON, WI SODIUM 23 MRI FUNCTIONAL BRAIN IMAGING FOR THE PERIOD 04-01-87 THROUGH 03-31-88 AT A TOTAL COST OF \$19,259.39 AWARD # 607D75355, MOD. 3 MSN HS-MED RADIOLOGY DIAGNOSTIC	(144-Z288)	4,976.07
47.	DISEASE RESISTANCE BREEDING IN ONIONS MSN AG&LSC HORTICULTURE	(133-A103)	
	2,640.00 THE UPJOHN COMPANY KALAMAZOO, MI		
	960.00 SLUIS & GROOT RESEARCH ENKHUIZEN, HOLLAND		
			3,600.00
48.	MULTIPLE DONORS CANCER RESEARCH - MCARDLE MEMORIAL LABORATORY MSN HS-MED ONCOLOGY	(133-A250)	410.00
49.	GENERAL MEDICAL RESEARCH MSN HS-MED	(133-A253)	
	22,000.00 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI		
	1,725.00 OOSTBURG AREA UNITED FUND, INC OOSTBURG, WI		
			23,725.00

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50.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF MEDICINE RESEARCH AND DEVELOPMENT FUND MSN HS-MED	(133-A525)	68,512.31
51.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH AND DEVELOPMENT IN THE DEPARTMENT OF PATHOLOGY MSN HS-MED PATHOL & LAB MED ANAT PATH	(133-A530)	30,000.00
52.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF ANESTHESIOLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED ANESTHESIOLOGY	(133-A532)	17,770.00
53.	PEA AND SOYBEAN RESEARCH MSN AG&LSC AGRONOMY	(133-A593)	
	1,680.00	W. BROTHERTON SEED CO., INC. MOSES LAKE, WA	
	50.00	MULTIPLE DONORS	
			1,730.00
54.	CLINICAL STUDY OF COUMADIN AND PERSANTINE THERAPY FOR GLOMERULOPATHIES MSN HS-MED MEDICINE	NEPHROLOGY (133-A890)	
	500.00	ANTHONY MEYER ROCKFORD, IL	
	1,000.00	BAXTER HEALTHCARE CORP. DEERFIELD, IL	
			1,500.00
55.	MULTIPLE DONORS CANCER RESEARCH AND RELATED ACTIVITIES MSN HS-HSP ADMINISTRATION ADMIN	(133-A934)	400.00
56.	MULTIPLE DONORS HEART RESEARCH-CARDIOLOGY SECTION MSN HS-MED MEDICINE	(133-B379)	25.00
57.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CARDIOPULMONARY STUDIES MSN AG&LSC VETERINARY SCI	(133-B408)	2,000.00
58.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEMONSTRATION PROJECT RELATED TO MEDICAL STAFF PARTICIPATION IN HOSPITAL COST SETTING AND COST CONTAINMENT ACTIVITIES MSN HS-MED PREVENTIVE MED	(133-B478)	2,000.00

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59.	DEPARTMENT OF DAIRY SCIENCE DISCRETIONARY FUND MSN AG&LSC DAIRY SCIENCE	(133-B521)	
	10,000.00	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI	
	125.00	MULTIPLE DONORS	
	100.00	MULTIPLE DONORS	
			10,225.00
60.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF GENERAL SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	(133-B573)	17,788.00
61.	MULTIPLE DONORS DEPARTMENT OF FOOD SCIENCE CHAIRMAN'S DISCRETIONARY FUND MSN AG&LSC FOOD SCIENCE	(133-B656)	120.00
62.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF UROLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	(133-C455)	5,565.00
63.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI NAVE VISITING SCHOLAR MSN L&S SPANISH & PORT IBERO-AMER	(133-C505)	1,460.00
64.	CONTINENTAL COLLOID WEST CHICAGO, IL STUDY OF THE EFFECTS OF YOGURT ON BREAD MSN AG&LSC FOOD SCIENCE	(133-C733)	2,500.00
65.	MR. & MRS. NORMAN LUTZ OCONOMOWOC, WI GALLSTONE DISSOLUTION RESEARCH MSN HS-MED SURGERY GEN SURG	(133-C969)	5,000.00
66.	WOMEN'S STUDIES RESEARCH CENTER MSN L&S WOMEN'S STUDIES	(133-D392)	
	20.00	MULTIPLE DONORS	
	1,200.00	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI	
			1,220.00
67.	MULTIPLE DONORS IMPROVING REPRODUCTIVE EFFICIENCY IN DAIRY CATTLE MSN AG&LSC DAIRY SCIENCE	(133-D706)	100.00
68.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MALIGNANT HYPOTHERMIA IN PATIENTS MSN HS-MED ANESTHESIOLOGY	(133-D924)	17,826.00

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69.	AGTROL CHEMICAL PRODUCTS HOUSTON, TX EPIDEMIOLOGY AND CONTROL OF VEGETABLE CROP DISEASES MSN AG&LSC PLANT PATHOLOGY	(133-E035)	1,750.00
70.	DAHL (JUNE L) MADISON, WI ONTOGENY OF ENKEPHALINERGIC SYSTEMS MSN HS-MED PHARMACOLOGY	(133-E144)	400.00
71.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EFFECTS OF ANESTHETIC AGENTS ON AIRWAY SMOOTH MUSCLE MSN HS-MED ANESTHESIOLOGY	(133-E473)	17,825.00
72.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOOL OF PHARMACY RESEARCH MSN HS-PHR PHARMACY	(133-E831)	500.00
73.	MULTIPLE DONORS CARDIOVASCULAR SURGERY HEART RESEARCH FUND MSN HS-MED SURGERY THORACIC S	(133-F069)	575.00
74.	UNIVERSITY PSYCHIATRY GROUP MADISON, WI EXPOSURE THERAPIST SALARY SUPPORT MSN HS-MED PSYCHIATRY	(133-F119)	9,570.50
75.	AMERICAN ASSOCIATION FOR PEDIATRIC OPHTHALMOLOGY AND STRABISMUS MADISON, WI PEDIATRIC OPHTHALMOLOGY RESEARCH MSN HS-MED OPHTHALMOLOGY	(133-F127)	800.00
76.	GRASS VARIETY TESTING MSN AG&LSC AGRONOMY	(133-F169)	
	8,500.00	INTERNATIONAL SEEDS, INC. HALSEY, OR	
	500.00	FFR COOPERATIVE W. LAFAYETTE, IN	
	500.00	MULTIPLE DONORS	
	500.00	SEED RESEARCH OF OREGON, INC. CORVALLIS, OR	
	1,500.00	DAEHNFELDT, INC. ALBANY, OR	
	2,000.00	RABOBANK NEDERLAND UTRECHT, NETHERLANDS	
			13,500.00
77.	CORNELL UNIVERSITY ITHACA, NY CROSS NATIONAL DISABILITY PROJECT MONOGRAPH PUBLISHING SUPPORT MSN L&S INST-RES ON POV	(133-F408)	143.90



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78.	INSTITUTE OF FOOD TECHNOLOGISTS CHICAGO, IL GENERAL RESEARCH MSN AG&LSC FOOD SCIENCE	( 133-F506)	2,500.00
79.	UNIVERSITY OBSTETRICS-GYNECOLOGY ASSOCIATES MADISON, WI MICROSURGERY RESEARCH TRAINING FUND MSN HS-MED SURGERY	( 133-F729)	1,200.00
80.	HALDOR TOPSOE A/S COPENHAGEN, DENMARK UNRESTRICTED RESEARCH GRANT MSN ENGR CHEMICAL ENGR	( 133-F894)	4,000.00
81.	MULTIPLE DONORS CARDIOVASCULAR RESEARCH MSN HS-PHR PHARMACY	( 133-F905)	420.00
82.	SANDOZ, INC. EAST HANOVER, NJ PHARMACEUTICS RESEARCH MSN HS-PHR PHARMACY	( 133-G020)	6,000.00
83.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ENHANCE INTRAMURAL RESEARCH SUPPORT PROGRAMS MSN HS-MED	( 133-G073)	96,193.63
84.	CHAU LE SAN JOSE, CA PROGRAM FOR DEVELOPMENT OF PREVENTIVE HEALTH SERVICE PROGRAM FOR VIETNAM MSN HS-MED PREVENTIVE MED	( 133-G285)	1,000.00
85.	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)	43,991.00
86.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI BIOFEEDBACK CLINIC SUPPORT MSN HS-MED NEUROLOGY	( 133-G648)	3,032.00
87.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GENERAL DEPARTMENTAL OFFICE AND RESEARCH EXPENSES MSN HS-MED ANESTHESIOLOGY	( 133-G721)	250.00
88.	BRIDGING THE DISCIPLINES OF REPRODUCTIVE PHYSIOLOGY AND GENETICS--AN INTEGRATED RESEARCH APPROACH MSN AG&LSC DAIRY SCIENCE	( 133-G729)	
	3,325.00 ATLANTIC BREEDERS COOP. LANCASTER, PA		
	6,025.00 SIRE-POWER, INC. TUNKHANNOCK, PA		
			9,350.00

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89.	ABBOTT LABORATORIES NORTH CHICAGO, IL STUDIES ON MOLECULAR BIOLOGY OF ANTIBIOTIC PRODUCTION BY STREPTOMYCES ERYTHREUS MSN HS-PHR PHARMACY	(133-G992)	50,000.00
90.	PEDIATRIC CHAIRMAN'S DISCRETIONARY FUND MSN HS-MED PEDIATRICS	(133-H233)	
	1,000.00 ROSS LABORATORIES COLUMBUS, OH		
	475.00 MULTIPLE DONORS		
			1,475.00
91.	ELECTRIC POWER RESEARCH INSTITUTE PALO ALTO, CA CORIUM-CONCRETE INTERACTIONS IN STRATIFIED GEOMETRY FOR THE PERIOD 06-27-84 THRU 12-31-88 AT A \$226,333 LEVEL AWARD # RP 1931-5 MSN ENGR NUC ENGR&E PHYSC	(133-H267)	51,723.00
92.	BRISTOL-MYERS PRODUCTS HILLSIDE, NJ PHARMACEUTICAL RESEARCH MSN HS-PHR PHARMACY	(133-H751)	1,000.00
93.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	(133-H760)	235,594.00
94.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF CARDIOTHORACIC SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY THORACIC S	(133-H761)	39,535.00
95.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF GENERAL SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY GEN SURG	(133-H762)	50,728.00
96.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF NEUROSURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY UROLOGY	(133-H763)	12,355.00
97.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF ORTHOPEDIC SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY ORTHO SURG	(133-H764)	37,784.00

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98.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF OTOLARYNGOLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	OTOLARYN	(133-H765)	10,825.00
99.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF PLASTIC SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	DENT&P SRG	(133-H766)	22,263.00
100.	OBESITY STUDY: PHASE II MSN VET M MEDICAL SCIENCES		(133-H778)	
	1,000.00 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI			
	75.00 MULTIPLE DONORS			1,075.00
101.	ALS RESEARCH MSN HS-MED NEUROLOGY		(133-H941)	
	572.00 MULTIPLE DONORS			
	1,000.00 JAMES O. DRIVER, JR. MADISON, WI			
	15.00 MULTIPLE DONORS			
	110.00 MULTIPLE DONORS			
	5.00 MULTIPLE DONORS			
	5.00 MULTIPLE DONORS			1,707.00
102.	MILWAUKEE METROPOLITAN SEWAGE DISTRICT MILWAUKEE, WI RESEARCH ON NUTRITIONAL, PHYSIOLOGICAL AND MORPHOLOGICAL PROBLEMS OCCURRING IN TREE NURSERY BEDS MSN AG&LSC SOIL SCIENCE		(133-H953)	825.00
103.	MULTIPLE DONORS PHARMACY RESEARCH MSN HS-PHR PHARMACY		(133-J303)	3,000.00
104.	UNIVERSITY RADIOLOGY AND NUCLEAR MEDICINE ASSOCIATES MADISON, WI FACULTY SALARY AND FRINGE BENEFIT SUPPORT MSN HS-MED RADIOLOGY		(133-J330)	3,639.90
105.	MULTIPLE DONORS WEED RESEARCH MSN AG&LSC HORTICULTURE		(133-J401)	480.00

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106.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EFFECTS OF VOLATILE ANESTHETICS ON THE ISCHEMIC KIDNEY MSN HS-MED ANESTHESIOLOGY	(133-J425)	16,163.00
107.	MULTIPLE DONORS LANDSCAPE DESIGN MSN AG&LSC NR-LANDSCAP ARCH	(133-J448)	500.00
108.	MINNESOTA MINING AND MANUFACTURING COMPANY ST. PAUL, MN LARGE ANIMAL RESEARCH MSN VET M SURGICAL SCI	(133-J801)	2,000.00
109.	AMP INCORPORATED HARRISBURG, PA LINKAGE SYNTHESIS STUDIES MSN ENGR MECHANICAL ENGR	(133-J845)	20,715.00
110.	LILLY (ELI) AND COMPANY INDIANAPOLIS, IN FLUOXETINE DOSE ESCALATION IN MDD MSN HS-PSY PSYCHIATRIC INST	(133-J878)	20,420.00
111.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CARNITINE PALMITOYL TAURINE STUDIES MSN HS-MED MEDICINE CARDIOLOGY	(133-J910)	50,000.00
112.	AMERICAN FROZEN FOOD INSTITUTE MCLEAN, VA STABILIZATION OF PROTEINS DURING FROZEN STORAGE MSN AG&LSC FOOD SCIENCE	(133-J974)	5,000.00
113.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ADMINISTRATIVE MEDICINE PROGRAM FUND MSN HS-MED PREVENTIVE MED	(133-J995)	450.00
114.	THE PEOPLES STATE BANK MAZOMANIE, WI DOWNTOWN REVITALIZATION PROJECT MSN AG&LSC NR-LANDSCAP ARCH	(133-K002)	500.00
115.	MULTIPLE DONORS DISCRETIONARY FUND IN THE DEPARTMENT OF MEDICINE MSN HS-MED MEDICINE HEMATOLOGY	(133-K061)	218.34
116.	NUTRASWEET COMPANY SKOKIE, IL ELECTROPHYSIOLOGICAL PROPERTIES AND EFFECTS OF SWEETNESS AND SWEETENERS AWARD # D1655 MSN AG&LSC VETERINARY SCI	(133-K160)	17,295.55

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117.	AMERICAN SOCIETY FOR ENGINEERING EDUCATION WASHINGTON, DC ONR GRADUATE FELLOWSHIP DEPARTMENT ALLOWANCE MSN ENGR MET & MIN ENGR (133-K290)	2,000.00
118.	AMERICAN SOCIETY FOR ENGINEERING EDUCATION WASHINGTON, DC ONR GRADUATE FELLOWSHIP DEPARTMENT ALLOWANCE MSN ENGR MET & MIN ENGR (133-K291)	2,000.00
119.	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)	22,000.00
120.	MARKWELL MEDICAL INSTITUTE, INC. RACINE, WI GLUCOSE SENSING TECHNOLOGY FOR THE PERIOD 07-01-86 THRU 06-30-87 AT A \$121,003.79 LEVEL AWARD # TDF 1-75 MSN HS-MED MEDICINE NEPHROLOGY (133-K544)	7,360.61
121.	CONTINUING MEDICAL EDUCATION MADISON, WI MICROCONTROLLED SURGERY FELLOWSHIP MSN HS-MED SURGERY GEN SURG (133-K557)	600.48
122.	TRI-STATE BREEDERS COOPERATIVE BARABOO, WI PROBING FOR GENETIC MARKERS IN BULL SEMIN MSN AG&LSC DAIRY SCIENCE (133-K829)	1,250.00
123.	COOK PACEMAKER CORPORATION LEECHBURG, PA ELECTROPHYSIOLOGY RESEARCH FUND MSN HS-MED MEDICINE CARDIOLOGY (133-K875)	1,100.00
124.	INSITE VISION, INC. OAKLAND, CA PHARMACY RESEARCH MSN HS-PHR PHARMACY (133-K881)	12,500.00
125.	UNIVERSITY OF WISCONSIN LACROSSE FOUNDATION, INC. LACROSSE, WI PRODUCTION OF BASE MAPS OF THE CRANBERRY CREEK ARCHAEOLOGICAL DISTRICT IN JUNEAU COUNTY, WI MSN ENGR CIVIL & ENV ENGR (133-K924)	300.00
126.	MULTIPLE DONORS WORK-STUDY SUPPORT IN JOINT PROJECT RESEARCH INVOLVING LIZARD BIOENERGETICS MSN L&S ZOOLOGY (133-K975)	172.38

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127.	MULTIPLE DONORS GENERAL HISTORY OF CARTOGRAPHY PROJECT MSN L&S GEOGRAPHY	(133-L022)	42,187.18
128.	GLAXO, INC. RESEARCH TRIANGLE PARK, NC SOLID-SOLID INTERACTIONS MSN HS-PHR PHARMACY	(133-L092)	10,000.00
129.	BIOPULPING CONSORTIUM MSN GRAD BIOTECHNOLGY CTR	(133-L093)	
	15,000.00 NEKOOSA PAPERS INC. PORT EDWARDS, WI		
	15,000.00 SPROUT-BAUER MUNCY, PA		
			30,000.00
130.	RADIATION MEASUREMENTS INCORPORATED MIDDLETON, WI MRI PHANTOM DEVELOPMENT FOR THE PERIOD 01-01-87 THRU 06-30-89 MSN HS-MED MEDICAL PHYSICS	(133-L106)	37,461.00
131.	RADIATION MEASUREMENTS INCORPORATED MIDDLETON, WI DEVELOPMENT OF SPHERE-BASED ULTRASOUND LESION DETECTABILITY PHANTOMS FOR THE PERIOD 10-01-86 THRU 06-30-89 MSN HS-MED MEDICAL PHYSICS	(133-L107)	23,361.00
132.	GLAXO, INC. RESEARCH TRIANGLE PARK, NC COMPARISON OF SEVERAL INHALER COMBINATIONS IN ADULTS WITH CHRONIC ASTHMA AWARD # SAL-503 MSN HS-MED MEDICINE ALLRGY&IMM	(133-L243)	18,000.00
133.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI STEADY STATE EVOKED POTENTIAL INDICES OF ANESTHETIC DEPTH MSN HS-MED ANESTHESIOLOGY	(133-L300)	6,944.00
134.	CENTOCAR MALVERN, PA EVALUATION OF MONOCLONAL ANTIBODY TO PLATELET RECEPTOR IN ANIMAL MODELS MSN HS-MED MEDICINE CARDIOLOGY	(133-L318)	5,000.00
135.	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

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136.	MILES LABORATORIES, INC.-ELKHART, IN SPA-SOCIETA PRODOTTI ANTIBIOTICI-MILAN, ITALY LYSOZYME AS AN ANTIBACTERIAL AGENT MSN AG&LSC FOOD MICRO&TOXIC	(133-L389)	60,000.00
137.	HERCULES INCORPORATED WILMINGTON, DE THE OXYGEN LEVEL REQUIRED TO PREVENT CLOSTRIDIUM BOTULINUM TOXIGENESIS IN MUSHROOMS IN AN ATMOSPHERE WHOSE OXYGEN CONCENTRATION IS HELD CONSTANT MSN AG&LSC FOOD MICRO&TOXIC	(133-L433)	2,545.00
138.	BESSELAAR (G. H.) ASSOCIATES PRINCETON, NJ COMPARATIVE CLINICAL STUDY OF ORCHIECTOMY AND ANANDRON VERSUS ORCHIECTOMY ALONE MSN HS-MED SURGERY UROLOGY	(133-L446)	5,250.00
139.	ATRONAUTICS CORPORATION OF AMERICA MILWAUKEE, WI FABRICATION OF CERAMIC GADOLINIUM GALLIUM GARNET MSN ENGR MET & MIN ENGR	(133-L523)	1,611.47
140.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MEDICAL SCHOOL DEVELOPMENT FUND-DEPARTMENTAL SUPPLIES AND EXPENSE MSN HS-MED	(133-L566)	500,000.00
141.	NATIONAL ELECTROSTATICS CORP. MIDDLETON, WI NSF PRESIDENTIAL YOUNG INVESTIGATOR AWARD (MATCHING FUNDS) MSN L&S PHYSICS	(133-L575)	1,000.00
142.	LUNAR RADIATION CORPORATION MADISON, WI 1-ALPHAHYDROXY VITAMIN D MSN AG&LSC BIOCHEMISTRY	(133-L597)	3,463.74
143.	SQUIBB (E R) & SONS, INC. PRINCETON, NJ SURVIVAL AND VENTRICULAR ENLARGEMENT (SAVE) FOLLOWING MYOCARDIAL INFARCTION: EFFECT OF CAPTOPRIL AWARD # 12,928-250 MSN HS-MED MEDICINE CARDIOLOGY	(133-L626)	1,000.00
144.	CONNAUGHT LABORATORIES, INC. SWIFTWATER, PA IMMUNOGENICITY AND SAFETY OF A TRIVALENT INFLUENZA-DIPHThERIA TOXOID CONJUGATE VACCINE IN ELDERLY OUTPATIENTS MSN HS-MED MEDICINE HEMATOLOGY	(133-L661)	190,809.49

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145.	ROBINS (A.H.) COMPANY RICHMOND, VA IMMUNOGENICITY STUDY OF A LIVE PASTEURELLA MULTOCIDA VACCINE USED FOR PREVENTION OF ATROPHIC RHINITIS IN PIGS -TERMINATED PER MUTUAL AGREEMENT BECAUSE UNFORESEEN CIRCUMSTANCES PRECLUDED STUDY COMPLETION UNDER PROTOCOL AWARD # 87-032 MSN VET M PATHOBIOLGCL SCI	(133-L695)	20,575.20-
146.	CIBA-GEIGY CORPORATION SUMMIT, NJ HUMANITARIAN USE OF ANAFRANIL IN OBSESSIVE- COMPULSIVE DISORDER MSN HS-PSY PSYCHIATRIC INST	(133-L757)	3,203.00
147.	RESONEX SUNNYVALE, CA RESEARCH OF RESONEX RX-4000 MSN HS-MED RADIOLOGY	(133-L954)	9,597.50
148.	CIBA-GEIGY CORPORATION BASEL, SWITZERLAND PHASE 1 STUDY OF INTERFERON-GAMMA (CGP 34264) IN HEMATOLOGIC MALIGNANCIES AWARD # 7666 MSN HS-MED HUMAN ONCOLOGY IMMUNOLOGY	(133-M088)	5,414.00
149.	MERRELL DOW PHARMACEUTICALS CINCINNATI, OH A DOUBLE-BLIND COMPARISON STUDY OF EXONIMONE AND PLACEBO FOLLOWED BY ENOXIMONE OR PLACEBO PLUS CAPTOPRIL IN PATIENTS WITH MILD TO MODERATELY SEVERE HEART FAILURE MSN HS-MED MEDICINE	CARDIOLOGY (133-M090)	31,119.25
150.	THE ATTIC CORRECTIONAL SERVICES, INC. MADISON, WI RICHARD E. SCHWERT MEMORIAL AWARD MSN L&S SOCIAL WORK	(133-M256)	500.00
151.	UPJOHN COMPANY KALAMAZOO, MI EFFECT OF ITAZIGREL IN PATIENTS WITH PERIPHERAL VASCULAR DISEASE CHARACTERIZED BY INTERMITTENT CLAUDICATION AND/OR ISCHEMIC ULCERS AWARD # IND 18,012 U-53.059 MSN HS-MED SURGERY	GEN SURG (133-M258)	7,800.00
152.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PEDIATRIC CARDIOLOGY MSN HS-MED PEDIATRICS	(133-M276)	3,000.00
153.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AMERITECH FOUNDATION FELLOWSHIP PROGRAM FOR THE PERIOD 06-01-88 THRU 08-30-88 MSN GRAD L&S	COMMUN ART (133-M358)	7,412.00



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154.	DANE COUNTY COMMUNITY SUPPORT AND HEALTH SERVICES DEPARTMENT MADISON, WI ADULT SERVICES PROGRAM/COMMUNITY TIES PROGRAM FOR THE PERIOD 01-01-88 THRU 12-31-88 AWARD # 90117 MSN GRAD WAISMAN CENTER	(133-M524)	103,332.00
155.	DANE COUNTY UNIFIED SERVICES BOARD MADISON, WI ADULT SERVICES/COMMUNITY TIES FOR THE PERIOD 01-01-88 THRU 12-31-88 AWARD # 90117 MSN GRAD WAISMAN CENTER	(133-M525)	51,619.00
156.	INTERNATIONAL BUSINESS MACHINES CORPORATION MANASSAS, VA THE APPLICABILITY OF KNOWLEDGE-BASED SYSTEMS ON THE SECURITIES INDUSTRY AWARD # 191279-WG MSN BUS SCH OF BUSINESS	(133-M598)	25,000.00
157.	MULTIPLE DONORS PULMONARY IMMUNOLOGY RESEARCH MSN HS-MED MEDICINE PULMON MED	(133-M607)	314.08
158.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI TRAVEL SUPPORT TO BARCELONA, SPAIN FOR THE PERIOD 03-17-88 THRU 09-30-88 MSN L&S SPANISH & PORT IBERO-AMER	(133-M633)	2,066.00
159.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GRADUATE STUDENT SUPPORT FOR THE PERIOD 03-16-88 THRU 06-30-89 MSN L&S SPANISH & PORT IBERO-AMER	(133-M634)	10,450.00
160.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S DISCRETIONARY ACCOUNT FOR NAVE PROJECTS MSN L&S ADMINISTRATION	(133-M635)	1,000.00
161.	WISC DEPT OF NATURAL RESOURCES MADISON, WI LITTLE ROCK LAKE - MACROINVERTEBRATE SAMPLES FOR THE PERIOD 03-15-88 THRU 06-30-88 AWARD # NRH 96557 MSN AG&LSC ENTOMOLOGY	(133-M763)	3,000.00
162.	WISCONSIN FERTILIZER RESEARCH COUNCIL MADISON, WI EFFECT OF NITROGEN FERTILIZER PROGRAMS AND OTHER CULTURAL PRACTICES ON NITRATE CONTAMINATION OF GROUNDWATER BENEATH THE CENTRAL SAND REGION OF WISCONSIN MSN GRAD WATER RESOURCES WATER RESO	(133-M764)	7,970.00

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## RESEARCH

163.	SHELL OIL COMPANY FOUNDATION HOUSTON, TX SHELL YOUNG FACULTY FUND MSN ENGR CHEMICAL ENGR	(133-M766)	20,000.00
164.	AMERICAN CHEMICAL SOCIETY PETROLEUM RESEARCH FUND WASHINGTON, DC SYNTHESIS AND REACTIVITY OF A NEW CLASS OF ORGANOMETALLIC COMPOUNDS WITH TERMINAL SULFUR LIGANDS FOR THE PERIOD 06-01-88 THRU 08-31-90 AWARD # PRF 19831-AC3 MSN L&S CHEMISTRY	(133-M767)	40,000.00
165.	MULTIPLE DONORS CHRONIC AIRWAY DISEASE OF HORSES MSN VET M MEDICAL SCIENCES	(133-M768)	125.00
166.	REHRIG PACIFIC COMPANY LOS ANGELES, CA FOOD SAFETY MSN AG&LSC FOOD SCIENCE	(133-M781)	4,000.00
167.	LIPOSOME TECHNOLOGY, INC. MENLO PARK, CA DEVELOPMENT OF NUCLEOSIDE ANALOGUES FOR LIPOSOME DEPENDENT DELIVERY FOR THE PERIOD 02-01-88 THRU 01-31-89 MSN HS-PHR PHARMACY	(133-M785)	72,000.00
168.	RADIATION MEASUREMENTS INCORPORATED MIDDLETON, WI IMPROVEMENTS IN DOPPLER ULTRASOUND PHANTOMS FOR THE PERIOD 04-01-88 THRU 06-30-89 MSN HS-MED MEDICAL PHYSICS	(133-M787)	18,194.00
169.	AMERICAN CANCER SOCIETY, INC. NEW YORK, NY AMERICAN CANCER SOCIETY DISCRETIONARY FUND FOR THE PERIOD 04-01-88 THRU 03-31-89 AWARD # RDP-17-J MSN HS-MED ONCOLOGY	(133-M788)	10,000.00
170.	CHEMICAL MANUFACTURERS ASSOCIATION WASHINGTON, DC STATISTICAL ANALYSIS OF STRATOSPHERIC TOTAL AND PROFILE OZONE DATA FOR TREND DETECTION FOR THE PERIOD 09-01-87 THRU 08-31-88 AWARD # FC 87-642B MSN L&S STATISTICS	(133-M790)	67,500.00
171.	HUMBOLDT STATE UNIVERSITY FOUNDATION ARCATA, CA RESEARCH FELLOWSHIP SUPPORT/ALLOWANCE FOR THE PERIOD 03/08/88 THRU 05/22/88 MSN HS-MED ANATOMY	(133-M791)	750.00

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

## RESEARCH

172.	WI AGRICULTURAL & LIFE SCIENCES ALUMNI ASSOCIATION, INC. MADISON, WI SUPPORT FOOD RESEARCH INSTITUTE MSN AG&LSC FOOD MICRO&TOXIC	(133-M792)	2,000.00
173.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SOIL AND WATER RESEARCH MSN AG&LSC AG ENGINEERING	(133-M793)	500.00
174.	MACARTHUR (JOHN D. AND CATHERINE T.) FOUNDATION CHICAGO, IL MIDWEST TROPICAL DISEASE RESEARCH MEETING FOR THE PERIOD 01-01-88 THRU 12-31-88 MSN VET M CMPARTV BIOSCI'S	(133-M794)	5,000.00
175.	BEJO-ZADEN B.V. NOORDSCHARWOUDE, HOLLAND MODERN PLANT BREEDING IN BRASSICAS MSN AG&LSC AGRONOMY	(133-M795)	6,000.00
176.	BEJO-ZADEN B.V. NOORDSCHARWOUDE, HOLLAND MODERN PLANT BREEDING IN BRASSICAS MSN AG&LSC PLANT PATHOLOGY	(133-M796)	19,000.00
177.	AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY ALEXANDRIA, VA RESEARCH TRAINING GRANT MSN HS-PHR PHARMACY	(133-M797)	3,500.00
178.	BESSELAAR (G.H.) ASSOCIATES PRINCETON, NJ A DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTICENTER STUDY TO EVALUATE COMBINED THERAPY WITH CGS 14824A AND ATENOLOL IN PATIENTS WITH ESSENTIAL HYPERTENSION AWARD # GHBA-64 MSN HS-MED MEDICINE                      NEPHROLOGY	(133-M798)	9,000.00
179.	MACULA FOUNDATION, INC. NEW YORK, NY CONTRAST SENSITIVITY IN MACULAR EDEMA MSN HS-MED OPHTHALMOLOGY	(133-M799)	7,000.00
180.	AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY ALEXANDRIA, VA FACTORS THAT FACILITATE THE IDENTIFICATION AND/OR IMPLEMENTATION OF A LIFELONG LEARNING PLAN BY PHARMACY PRACTITIONERS MSN HS-PHR PHARMACY	(133-M802)	21,061.00
181.	OHIO STATE UNIVERSITY RESEARCH FOUNDATION COLUMBUS, OH AGREEMENT TO PROVIDE SERVICES OF VISITING SCHOLAR FOR THE PERIOD 01-15-88 THRU 02-16-88 AWARD # RF 520501 MSN AG&LSC FOOD MICRO&TOXIC	(133-M803)	9,868.00

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## RESEARCH

182.	AMERICAN LUNG ASSOCIATION NEW YORK, NY PATHOGENIC ROLES OF THE ALVEOLAR MACROPHAGE IN ASTHMA FOR THE PERIOD 07-01-88 THRU 06-20-89 MSN HS-MED MEDICINE                      PULMON MED    (133-M804)	17,500.00
183.	INTERNATIONAL ANESTHESIA RESEARCH SOCIETY CLEVELAND, OH MALIGNANT HYPERTHERMIA DNA LINKAGE ANALYSIS FOR THE PERIOD 07-01-88 THRU 07-01-89 MSN HS-MED ANESTHESIOLOGY                      (133-M805)	24,800.00
184.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI BIOMAGNETISM RESEARCH FUND MSN HS-MED MEDICAL PHYSICS                      (133-M809)	2,500.00
185.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF SURGICAL ONCOLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY                      ONCOLOGY    (133-M810)	6,500.00
186.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DISCRETIONARY ACCOUNT FOR AGING RESEARCH MSN HS-MED MEDICINE                      HEMATOLOGY    (133-M811)	2,000.00
187.	SEVRAIN-TECH, INC. MADISON, WI SINTERING OF TITANIUM, NIOBIUM, AND TANTALUM MSN ENGR    MET & MIN ENGR                      (133-M813)	2,000.00
188.	SEMICONDUCTOR RESEARCH CORPORATION RESEARCH TRIANGLE PARK, NC PLANNING GRANT FOR SEMATECH CENTER OF EXCELLENCE PROPOSAL MSN ENGR    ELEC & COM ENGR    ELEC&COMP    (133-M814)	49,229.00
189.	MULTIPLE DONORS PANCREAS RESEARCH FUND MSN HS-MED SURGERY                      GEN SURG    (133-M817)	338.00
190.	GLAXO, INC. RESEARCH TRIANGLE PARK, NC A MULTICENTER, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL STUDY OF THE EFFICACY AND SAFETY OF 0.005% FLUTICASON PROPIONATE OINTMENT IN THE TREATMENT OF MEDERATE TO SEVERE PSORIASIS AWARD # FLT-301 MSN HS-MED MEDICINE                      DERMATOLGY    (133-M819)	2,112.00
191.	SCHERING CORPORATION KENILWORTH, NJ COMPARISON OF THE EFFICACY AND SAFETY OF SCH 39720 AND CEFACLOR IN THE TREATMENT OF ACUTE LOWER RESPIRATORY TRACT INFECTION AWARD # C87-001-03 MSN HS-MED MEDICINE                      INFECT DIS    (133-M820)	10,414.00

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## RESEARCH

192.	OSCAR MAYER FOODS CORP. MADISON, WI MEASUREMENT OF RESIDUES IN UROPYGLIAL GLAND FLUID MSN AG&LSC POULTRY SCIENCE (133-M821)	3,250.00
193.	SEARLE (G.D.) & COMPANY SKOKIE, IL OPEN-LABEL EXTENSION STUDY OF MILACEMIDE IN PATIENTS WITH MOOD DISORDERS CURRENTLY IN A MAJOR DEPRESSIVE EPISODE MSN HS-PSY PSYCHIATRIC INST (133-M828)	21,000.00
194.	MULTIPLE DONORS DERMATOLOGY RESEARCH MSN HS-MED MEDICINE DERMATOLGY (133-4911)	450.00
195.	MONSANTO COMPANY ST LOUIS, MO WEED CONTROL IN AGRONOMIC CROPS MSN AG&LSC AGRONOMY (133-5014)	2,000.00
196.	MEDICAL SCHOOL DEAN'S UNRESTRICTED FUND MSN HS-MED (133-5671)	
	25.00 MULTIPLE DONORS 14,000.00 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI	
		14,025.00
197.	DAIRYLAND SEED COMPANY WEST BEND, WI GROWTH REGULATOR RESEARCH ON AGRONOMIC CROPS MSN AG&LSC AGRONOMY (133-8218)	2,012.00
198.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPORT CANCER RESEARCH IN THE CLINICAL CANCER CENTER MSN HS-MED HUMAN ONCOLOGY (133-9268)	5,000.00
199.	MONSANTO ST LOUIS, MO UNRESTRICTED RESEARCH GRANT MSN L&S CHEMISTRY (133-9486)	3,750.00
200.	MULTIPLE DONORS HERD DEVELOPMENT AND DAIRY CATTLE BREEDING RESEARCH MSN AG&LSC DAIRY SCIENCE (133-9531)	550.00
201.	BRUNSWICK FOUNDATION, INC. SKOKIE, IL BRUNSWICK FOUNDATION FELLOWSHIP IN THE DEPARTMENT OF MECHANICAL ENGINEERING MSN ENGR ENGR EXPER STA I COMBUSTN (133-9631)	3,800.00

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

## RESEARCH

202. MULTIPLE DONORS  
HEART RESEARCH OR SERVICE  
MSN HS-HSP ADMINISTRATION ADMIN (133-9921) 425.00

## STUDENT AID

1. CALIFORNIA FIRST BANK  
SAN DIEGO, CA  
MANCHESTER, JOHN D. TRUST  
MANCHESTER, JOHN D.  
MSN BUS SV BURSAR ( LOANS ) 34,514.85

2. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
HERFURTH, THEODORE--EFFICIENCY AWARD FOR SENIOR  
MEN  
MSN BUS SCH OF BUSINESS ( TRUST ) 1,500.00

3. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
HERFURTH, THEODORE--EFFICIENCY AWARD FOR SENIOR  
WOMEN  
MSN BUS SCH OF BUSINESS ( TRUST ) 1,500.00

4. CONTINENTAL BANK  
CHICAGO, IL  
SCHULTE, HELEN D. TRUST  
SCHULTE, WALTER B.--SCHOLARSHIP FUND  
MSN ENGR CHEMICAL ENGR ( TRUST ) 9,407.93

5. AMERICAN ASSOCIATION OF UNIVERSITY WOMEN  
MADISON, WI  
MADISON BRANCH  
SWENSON-ROSENBERRY TRUST FUND  
MSN G SERV FELLOWS & SCHOLS ( TRUST ) 164.10

6. PEABODY, CARY S. & MARION  
LONGBOAK KEY, FL  
MEDICAL SCHOOL LOW COST LOAN FUND  
MSN HS-MED ADMINISTRATION DEANS OFFC ( TRUST ) 100.00

7. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
HERFURTH, THEODORE--EFFICIENCY AWARD FOR SENIOR  
MEN  
MSN BUS SCH OF BUSINESS ( TRUST ) 9,185.82

8. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
HERFURTH, THEODORE--EFFICIENCY AWARD FOR SENIOR  
WOMEN  
MSN BUS SCH OF BUSINESS ( TRUST ) 9,185.82

9. EPSILON SIGMA PHI  
MADISON, WI  
ALPHA SIGMA CHAPTER  
ALPHA SIGMA--EPSILON SIGMA PHI LOAN FUND (EXT)  
MSN BUS SV BURSAR ( TRUST ) 80.00

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

## STUDENT AID

10.	FIRST BANK ROCHESTER ROCHESTER, NY PARKHILL, EDITH M. ESTATE MEDICAL SCHOOL--SCHOLARSHIPS MSN HS-MED	( TRUST )	10,000.00
11.	MAHR, DANIEL & SUSAN E. RICE MAHR SUN PRAIRIE, WI CHAPMAN, DR. R. KEITH--VEGETABLE CROPS SCHOLARSHIP FUND MSN AG&LSC ENTOMOLOGY	( TRUST )	200.00
12.	SHAW, JOHN & PEGGY RIVERSIDE, CA MEDICAL SCHOOL LOW COST LOAN FUND MSN HS-MED ADMINISTRATION DEANS OFFC	( TRUST )	100.00
13.	EDUCATION, DEPT OF WASHINGTON, DC PELL GRANT PROGRAM - ADMINISTRATIVE ALLOWANCE FOR THE PERIOD 07-01-86 THROUGH 06-30-87 AT A TOTAL COST OF \$25,395.00 AWARD # RO08702947, MOD. 2 MSN AC SVC STU FINAN AIDS STU F AIDS	( 144-Y217 )	30.00
14.	CARGILL PROCESSING GROUP MINNETONKA, MN UNDERGRADUATE SCHOLARSHIPS IN MECHANICAL ENGINEERING MSN ENGR MECHANICAL ENGR	( 133-C749 )	1,000.00
15.	CARGILL PROCESSING GROUP MINNETONKA, MN UNDERGRADUATE SCHOLARSHIPS IN CHEMICAL ENGINEERING MSN ENGR CHEMICAL ENGR	( 133-C750 )	1,000.00
16.	UNIVERSITY OF WISCONSIN FORESTRY CLUB MADISON, WI UNIVERSITY OF WISCONSIN FORESTRY CLUB SCHOLARSHIP MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	( 133-F145 )	450.00
17.	CARGILL, INC. MINNETONKA, MN COLLEGE OF ENGINEERING SCHOLARSHIP FUND MSN ENGR OPERATIONS	( 133-F731 )	500.00
18.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AGRICULTURE ALUMNI SCHOLARSHIP MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	( 133-G469 )	6,000.00
19.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI JAPAN/ENGINEERING SCHOLARSHIP MSN ENGR ENGR EXPER STA INTL ENGRG	( 133-J105 )	19,216.50

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## UNIVERSITY OF WISCONSIN - MADISON

## STUDENT AID

20.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI HAZEL & EDWARD W. BARCKHAN FELLOWSHIP MSN L&S SCANDINAVIAN STU	(133-J513)	135.00
21.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UNDERGRADUATE SCHOLARSHIPS MSN L&S GEOL & GEOPHYSCS	(133-J873)	1,500.00
22.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ECONOMIC MERIT SCHOLARSHIP MSN L&S ECONDMICS	(133-L290)	800.00
23.	MINNESOTA (UNIVERSITY OF) MINNEAPOLIS, MN C. BIESTER GRADUATE SCHOLARSHIP MSN FR&CS FAM RSRC&CNSM SC ADMIN	(133-M818)	750.00
24.	GROWMARK, INC. BLOOMINGTON, IL UNDERGRADUATE SCHOLARSHIPS IN AGRICULTURE MSN AG&LSC ACAD STU AFF ADM	(133-5208)	1,000.00
25.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ALFRED RESCHKE SOCIAL SCIENCE SCHOLARSHIP FUND MSN L&S SOCIOLOGY	(133-5887)	14,500.00
26.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPORT ARTS ADMINISTRATION PROGRAM OF THE GRADUATE SCHOOL OF BUSINESS MSN BUS SCH OF BUSINESS	(133-6975)	20,000.00
27.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOOL OF MUSIC SCHOLARSHIP FUND MSN L&S SCHOOL OF MUSIC	(133-7137)	2,000.00
28.	MULTIPLE DONORS HENRY M. CASTELLO, M.D. MEMORIAL AWARD MSN HS-MED ADMINISTRATION DEANS OFFC	(133-9147)	300.00

## UNRESTRICTED

1.	VANDER KODDE, BILL GRAND RAPIDS, MI VANDER KODDE, WILLIAM F. MADISON CHANCELLOR'S SPECIAL FUND MSN G E A	( TRUST )	1,366.75
2.	AMERICAN SOCIETY FOR ENGINEERING EDUCATION WASHINGTON, DC ONR FELLOWSHIP DEPARTMENT ALLOWANCE MSN ENGR MET & MIN ENGR	(133-L729)	2,000.00





GIFTS, GRANTS AND CONTRACTS  
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UNIVERSITY OF WISCONSIN - MILWAUKEE

GIFT-IN-KIND

1. VARIOUS DONORS  
GIFT OF VARIOUS BIBLIOGRAPHIC ITEMS DONATED TO  
THE GOLDA MEIR LIBRARY DURING THE FISCAL YEAR  
1987/88.  
AWARD # NONE  
MIL LIBR LIBRARY

INSTRUCTION

1. MILWAUKEE COUNTY  
MILWAUKEE, WI  
PRIME CONTRACTOR WITH DHHS OHDS  
INDEPENDENT LIVING SKILLS PROGRAM  
FOR THE PERIOD 01-01-88 THROUGH 09-30-88  
AWARD # 40-88479  
MIL DOCE PRFNL RSORC DVLP CYCLE (144-AE75) 170,000.00
  2. MARQUETTE UNIVERSITY  
MILWAUKEE, WI  
PRIME CONTRACTOR WITH DHHS PHS HRSA  
MIDWEST GERIATRIC EDUCATION CENTER GRANT  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # 5 D31 AH65015 02  
MIL A H P GENERAL ADMIN (144-AG46) 47,653.00
  3. MARQUETTE ELECTRONICS FOUNDATION  
MILWAUKEE, WI  
EDUCATORS IN INDUSTRY: A COLLABORATIVE EFFORT IN  
CAREER EDUCATION/YEAR 7.  
FOR THE PERIOD 03/01/88 THROUGH 10/31/88  
MIL EDUC EDUC PSYCHOLOGY (133-E612) 2,000.00
  4. OHIO STATE UNIVERSITY RESEARCH FOUNDATION  
(P/C MUCIA/INDONESIA)  
COLUMBUS, OH  
MUCIA-INDONESIAN PERSONNEL APPOINTMENT  
FOR THE PERIOD 01/03/88 THROUGH 01/30/88  
AWARD # PO 520491 RF 719465  
MIL ARC&UP ADMINISTRATION ADMIN (133-M815) 4,711.00
  5. WISCONSIN STATE COUNCIL ON ECONOMIC EDUCATION  
MILWAUKEE, WI  
SUPPORT OF ECONOMIC EDUCATION PROGRAM DEVELOPMENT  
AND RELATED ACTIVITY  
MIL L&S ECONOMIC EDUC (133-4849) 5,000.00
- MISCELLANEOUS
1. UWM FOUNDATION ACCOUNT #265  
MILWAUKEE, WI  
MINORITY SMALL BUSINESS DEVELOPMENT PROGRAM  
MIL BUS AD ADMINISTRATION (133-H682) 639.00

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UNIVERSITY OF WISCONSIN - MILWAUKEE

MISCELLANEOUS

2. VARIOUS  
SUMMER EVENINGS OF MUSIC  
MIL F ARTS METRO ARTS PROG S EVE MUS (133-M757) 746.00

RESEARCH

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

1) CHARACTERIZATION OF BZ RECEPTORS AND PUNISHED  
RESPONDING  
FOR THE PERIOD 04-01-88 THROUGH 03-31-89  
AWARD # 1 RO1 DAO4963-01  
MIL L&S CHEMISTRY (144-AG19) 61,958.00

2) METAL COMPLEXES OF KNOWN ANTITUMOR AGENTS  
FOR THE PERIOD 04-01-88 THROUGH 03-31-89  
AWARD # 5 RO1 CA22184-09  
MIL L&S CHEMISTRY (144-AG20) 99,880.00

3) BIOMEDICAL RESEARCH SUPPORT GRANT  
FOR THE PERIOD 04-01-88 THROUGH 03-31-89  
AWARD # (08)S7RRO7181I  
MIL GRAD DEAN'S OFFICE (144-AG37) 29,146.00

4) LIFESTYLE MODIFICATION FOR WEIGHT CONTROL  
FOR THE PERIOD 08-01-87 THROUGH 07-31-88  
AWARD # SRC-1-5R01-NR01150-03  
MIL NURS ADMIN DEAN (144-Z730) 569.00

2. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH  
RESEARCH TRIANGLE PARK, NC  
NMR STUDIES OF METALLOTHIONEIN STRUCTURE AND  
REACTIVITY  
FOR THE PERIOD 04-01-88 THROUGH 03-31-89  
AWARD # 5R01 ESO4036-03  
MIL L&S CHEMISTRY (144-AG06) 77,389.00

3. MEDICAL COLLEGE OF WISCONSIN  
MILWAUKEE, WI  
PRIME CONTRACTOR WITH DHHS PHS NIH  
MULTIFREQUENCY ESR OF COPPER COMPLEXES IN LIQUID  
PHASE  
FOR THE PERIOD 08-01-87 THROUGH 07-31-88  
AWARD # 5R01GM3547203  
MIL L&S CHEMISTRY (144-AG44) 4,202.00

4. ENERGY, DEPT OF  
ARGONNE, IL  
MECHANISMS OF FORMATION OF THE CARBOXYL OF  
ACETATE BY ACETOGENIC BACTERIA  
FOR THE PERIOD 03-25-88 THROUGH 03-24-89  
AWARD # DE-FG02-88ER13875  
MIL L&S CHEMISTRY (144-AF90) 85,000.00

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## UNIVERSITY OF WISCONSIN - MILWAUKEE

## RESEARCH

5.	NATIONAL ENDOWMENT FOR THE ARTS WASHINGTON, DC GUERRILLA TV AND FEMINIST VIDEO FOR THE PERIOD 11-01-87 THROUGH 12-31-88 AWARD # 88-3465-0024 MIL L&S TWENTIETH CEN ST	(144-AC86)	1,000.00
6.	HYPERTHERM TECHNOLOGIES KENOSHA, WI PRIME CONTRACTOR WITH WDOO DEVELOP A SAFE PORTABLE CHEMICAL HEAT SOURCE FOR INTRAVENOUS THERAPY FOR THE PERIOD 02/01/88 THROUGH 12/31/88 MIL NURS HLTH RESTORATION	(133-M770)	15,658.00
7.	MIDWEST RESEARCH MICROSCOPY THIN FILMS MILWAUKEE, WI ELECTRON EMISSION CHARACTERISTICS OF SPUTTERED LANTHANUM HEXABORIDE MIL L&S PHYSICS	(133-E596)	4,880.00
8.	UWM FOUNDATION MILWAUKEE, WI DISCRETIONRY RESEARCH MONIES MIL ENG&AS MATERIALS	(133-J671)	4,900.00
9.	UWM FOUNDATION MILWAUKEE, WI CASH GIFT TO COVER COST OF ZENITH 157 COMPUTER AWARD # PRF 18262-AC1,4 MIL L&S CHEMISTRY	(133-K744)	310.00
10.	WISCONSIN ELECTRIC POWER CO. MILWAUKEE, WI PROTECTIVE THIN FILM PROJECT AWARD # CHECK NO. 135379 MIL L&S PHYSICS	(133-K999)	26,444.00
11.	MILWAUKEE COUNTY MILWAUKEE, WI MILWAUKEE LAKEFRONT TERRACE PROJECT-MODEL DEVELOPMENT AND PUBLIC DISPLAY AWARD # PROJECT NO. 06-4049 MIL ARC&UP ARCH&U P RES CTR	(133-M349)	14,450.00
12.	ELSA V. PARDEE FOUNDATION MIDLAND, MI IMMUNE RESPONSE MECHANISMS IN CANCER: A SYSTEMS APPROACH FOR THE PERIOD 06/19/88 THROUGH 08/31/89 MIL A H P HEALTH SCIENCES	(133-M808)	20,000.00
13.	COMPUTERIZED STRUCTURAL DESIGN MILWAUKEE, WI SHEAR DIAPHRAM TESTS AWARD # CHECK #024972 MIL ENG&AS CIVIL ENGINEER'G	(133-9372)	2,900.00

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

## STUDENT AID

1.	KRAUSKOPF, JANET H. MILWAUKEE, WI ETTENHEIM, GEORGE P.--STUDENT ASSISTANCE (MILW) MIL STU AF FINANCIAL AID    FEL& SCHOL    ( TRUST    )	100.00
2.	MULTIPLE DONORS CAREY, HELEN C.--SCHOLARSHIP (MILW) MIL GRAD    RES COMM                    SOCIAL WEL    ( TRUST    )	25.00
3.	EDUCATION, DEPT OF WASHINGTON, DC IN SUPPORT OF THE FOLLOWING:	
1)	PELL GRANT PROGRAM (DECREASE IN THE AUTHORIZATION LEVEL FROM THE AGENCY) FOR THE PERIOD 07-01-86 THROUGH 06-30-87 AWARD # PO08702948 MIL STU AF FINANCIAL AID    PROV'L&SUP    (148-B087)	53,422.00-
2)	PELL GRANT PROGRAM FOR THE PERIOD 07-01-87 THROUGH 06-30-88 AWARD # PO08802948 MIL STU AF FINANCIAL AID    PROV'L&SUP    (148-B088)	214,499.00
	TOTAL MILWAUKEE	840,637.00 =====

INSTRUCTION	229,364.00
MISCELLANEOUS	1,385.00
RESEARCH	448,686.00
STUDENT AID	161,202.00

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UNIVERSITY OF WISCONSIN - EAU CLAIRE

EXTENSION AND PUBLIC SERVICE

1. WISCONSIN HUMANITIES COMMITTEE  
MADISON, WI  
PRIME CONTRACTOR WITH NEH  
THE MIGHTY WORLD OF EYE & EAR: ROMANTIC  
LITERATURE AND PAINTING  
FOR THE PERIOD 04-01-88 THROUGH 05-31-88  
AWARD # FY88-11L  
EAU ART&SC ENGLISH (144-8077) 1,470.00

INSTRUCTION

1. OTTO BREMER FOUNDATION  
MINNEAPOLIS, MN  
A SUMMER INSTITUTE ON LAND STEWARDSHIP  
FOR CLERGY OF THE UPPER MIDWEST  
FOR THE PERIOD 04-01-88 THRU 06-23-88  
AWARD # OBF-3788  
EAU ET&PS GENERAL ADMIN REIMB EXT (133-8060) 5,000.00  
TOTAL EAU CLAIRE 6,470.00  
=====

EXTENSION AND PUBLIC SERVICE 1,470.00  
INSTRUCTION 5,000.00

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UNIVERSITY OF WISCONSIN - GREEN BAY

MISCELLANEOUS

1. MULTIPLE DONORS ATHLETICS MEN - GENERAL GBY ATHL ATHLETICS - MEN	(133-E188)	470.31
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RESEARCH

1. UPRIGHT, INC. ST. LOUIS, MO RESEARCH ON ABSORBENT CHARACTERISTICS OF SILICA GBY ENV SC SCI & ENVIR CHG	(133-L321)	500.00
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STUDENT AID

1. EDUCATION, DEPT OF WASHINGTON, DC PELL GRANT PROGRAM FOR THE PERIOD 07-01-87 THROUGH 06-30-88 AT A TOTAL COST OF \$1,685,702.00 AWARD # PO08802950, MOD. 3 GBY ST AID FEL & SCHOL-AOG	(148-D088)	49,018.00
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TOTAL GREEN BAY		49,988.31
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MISCELLANEOUS	470.31
RESEARCH	500.00
STUDENT AID	49,018.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - LACROSSE

## EXTENSION AND PUBLIC SERVICE

1. WISCONSIN HUMANITIES COMMITTEE  
MADISON, WI  
PRIME CONTRACTOR WITH NEH  
SUPPORT FOR FILM ON AUTHOR O.E. ROLVAAG  
FOR THE PERIOD 02-01-88 THROUGH 10-31-88  
AWARD # 88-003(L)  
LAC EX DIV DEVELOPMENT OFF DEVEL OFF (144-0506) 7,652.00
2. WISCONSIN HUMANITIES COMMITTEE  
MADISON, WI  
PRIME CONTRACTOR WITH NEH  
MATCHING ADDITION TO U.S. CONSTITUTION SYMPOSIUM  
FOR THE PERIOD 06-15-87 THROUGH 04-30-88  
AWARD # FY87-14L/FY88-66, MOD. 1  
LAC L&S HISTORY (144-4906) 4,463.00
3. WISCONSIN HUMANITIES COMMITTEE  
MADISON, WI  
PRIME CONTRACTOR WITH NEH  
PUBLIC ARCHAEOLOGY PROJECT AT MIDWAY SITE  
FOR THE PERIOD 02-12-88 THROUGH 03-31-89  
AWARD # FY88-5(H)  
LAC L&S SOCIOL & ANTHROP (144-8863) 12,489.00
4. MULTIPLE DONORS  
SUPPORT FOR CONFERENCE ON TROUT FISHING  
FOR THE PERIOD 07-01-87 THRU 12-31-88  
LAC L&S PSYCHOLOGY (133-7809) 6,963.00

## MISCELLANEOUS

1. UW-LACROSSE FOUNDATION  
LACROSSE, WI  
SUPPORT FOR FUNDRAISING  
FOR THE PERIOD 04-01-88 THRU 06-30-88  
LAC EX DIV DEVELOPMENT OFF DEVEL OFF (133-0502) 700.00

## PHYSICAL PLANT

1. EDUCATION, DEPT OF  
WASHINGTON, DC  
1987-88 INTEREST SUBSIDY GRANT  
ON ACADEMIC BUILDINGS  
FOR THE PERIOD 04-01-87 THROUGH 03-31-88  
AWARD # 9860000  
LAC UNIV-W DEBT SV AC BLDGS (144-6000) 54,313.00

## RESEARCH

1. DAIRYLAND POWER COOPERATIVE  
LACROSSE, WI  
ANALYSIS AND DISPLAY OF ARTIFACTS FROM  
JIM BRAUN SITE  
FOR THE PERIOD 03-01-88 THRU 12-31-88  
LAC L&S SOCIOL & ANTHROP (133-8862) 6,000.00



GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - LACROSSE

## RESEARCH

- |    |   |              |          |
|----|---|--------------|----------|
| 2. | UW-LACROSSE FOUNDATION<br>LACROSSE, WI<br>ARCHAEOLOGY EXCAVATION AT MIDWAY SITE<br>FOR THE PERIOD 04-01-88 THRU 12-31-88<br>AWARD # 20-0566-00<br>LAC L&S      SOCIOL & ANTHROP           | ( 133-8864 ) | 3,580.00 |
| 3. | CITY OF ONALASKA<br>ONALASKA, WI<br>ARCHAEOLOGY SURVEY AT ONALASKA<br>PUBLIC LIBRARY SITE<br>FOR THE PERIOD 03-25-88 THRU 04-30-88<br>AWARD # P.O. #4468<br>LAC L&S      SOCIOL & ANTHROP | ( 133-8865 ) | 1,287.00 |
| 4. | PETTIBONE PARK COMMISSION<br>LACROSSE, WI<br>ARCHAEOLOGY EXCAVATION ON PETTIBONE ISLAND<br>FOR THE PERIOD 04-01-88 THRU 12-31-88<br>LAC L&S      SOCIOL & ANTHROP                         | ( 133-8866 ) | 2,462.00 |

## STUDENT AID

- |    |   |              |            |
|----|---|--------------|------------|
| 1. | EDUCATION, DEPT OF<br>WASHINGTON, DC<br>FY88 PELL GRANT ADJUSTMENT<br>FOR THE PERIOD 07-01-87 THROUGH 06-30-88<br>AWARD # PO08802955, MOD. 1<br>LAC STU AF FIN ASSIST TO ST | ( 148-5520 ) | 791,109.00 |
|----|---|--------------|------------|

TOTAL LACROSSE	891,018.00
	=====

EXTENSION AND PUBLIC SERVICE	31,567.00
MISCELLANEOUS	700.00
PHYSICAL PLANT	54,313.00
RESEARCH	13,329.00
STUDENT AID	791,109.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - OSHKOSH

## INSTRUCTION

1.	EDUCATION, DEPT OF WASHINGTON, DC STUDENT SUPPORT SERVICES FOR DISADVANTAGED STUDENTS FOR THE PERIOD 07-01-88 THROUGH 08-31-89 AWARD # GO0874024-88 OSH AVC-AD MINORITY PROGRMS	(144-4480)	163,751.00
2.	DHHS, PHS, NATIONAL INSTITUTES OF HEALTH WASHINGTON, DC PROFESSIONAL NURSE TRAINEESHIP PROGRAM FOR THE PERIOD 07-01-88 THROUGH 06-30-89 AWARD # 2 A11 NU00235-13 OSH NURS NURS-GRAD PRDGS	(144-4479)	36,739.00
3.	BEMIS COMPANY FOUNDATION MINNEAPOLIS, MN DEVELOP A MODEL LABORATORY WITH STANDARD EQUIPMENT FOR ALL MANAGEMENT PERSONNEL OSH BUS AD DEANS OFFICE	(133-3373)	20,000.00

## RESEARCH

1.	NATIONAL SCIENCE FOUNDATION WASHINGTON, DC RUI: STRUCTURE OF EXPLORATORY BEHAVIOR FOR THE PERIOD 04-15-88 THROUGH 09-30-89 AWARD # BNS-8719450 OSH L&S PSYCHOLOGY	(144-4481)	29,996.00
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## STUDENT AID

1.	EDUCATION, DEPT OF WASHINGTON, DC MINORITY GRADUATE STUDENT RECRUITMENT AND MASTERS DEGREE COMPLETION FELLOWSHIP PROGRAM FOR THE PERIOD 09-01-88 THROUGH 08-31-89 AWARD # PO94B80178 OSH GRAD P	(144-4478)	32,000.00
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## UNRESTRICTED

1.	MOWRY SMITH III NEENAH, WI PURCHASE OF BOOKS, PERIODICALS, AND AUDIOVISUAL MATERIALS OSH LIBR OPERATIONS	(133-3372)	438.75
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TOTAL OSHKOSH	282,924.75
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INSTRUCTION	220,490.00
RESEARCH	29,996.00
STUDENT AID	32,000.00
UNRESTRICTED	438.75

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - PARKSIDE

## GIFT-IN-KIND

1. MR. THOMAS MEYER  
RACINE, WI  
600 POUNDS OF MILD STEEL OFF-CUT SHAPES  
PKS SC&SOC FINE ARTS                      ADMIN

## MISCELLANEOUS

1. MULTIPLE DONORS  
PARKSIDE PRINT WORKSHOP  
PKS SC&SOC FINE ARTS                      ART                      (133-K826)                      85.00
2. CORPORATE IMAGES, INC.  
RACINE, WI  
VICE-PRESIDENT-MARKETING AND PLANNING (VPMP)  
FOR DOMINICAN HEALTH CARE, INC. (DHC) SEARCH  
PKS MOD IN BUS & ADMIN SCI    BUS MGMNT                      (133-K880)                      100.00

## RESEARCH

1. TEXTRON, INC. CHARITABLE TRUST  
PROVIDENCE, RI  
DISTINGUISHED PROFESSORS MATCHING PROGRAM  
REVENUE FUNDS (182-G-76-6040)  
PKS SC&SOC SCIENCE                      BIOLOG SCI                      6,000.00

## STUDENT AID

1. MULTIPLE DONORS  
MUSIC SCHOLARSHIPS  
PKS BUS SV FELLOWS & SCHOLS                      (133-C489)                      655.00
2. MULTIPLE DONORS  
ACCOUNTING PROGRAM SCHOLARSHIP FUND  
PKS BUS SV FELLOWS & SCHOLS                      (133-G954)                      300.00

TOTAL PARKSIDE                      7,140.00

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MISCELLANEOUS	185.00
RESEARCH	6,000.00
STUDENT AID	955.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - STOUT

## EXTENSION AND PUBLIC SERVICE

1. DOBOY PACKAGING MACHINERY, INC  
NEW RICHMOND, WI  
EXTEND DEVELOPMENT OF PRODUCTION ASSEMBLY METHODS  
AND VALIDATION AND REVISION OF ASSEMBLY MANUALS  
FOR PRODUCTION PACKAGING SEALING MACHINES AND  
HOSPITAL SEALING MACHINES  
FOR THE PERIOD 01/01/88 THRU 05/12/88  
STO I&TECH INDUSTRIAL MGMNT IND MGMNT (133-0412) 3,000.00
2. A-J INDUSTRIES, INC  
BLOOMER, WI  
PROVIDE TECHNICAL ASSISTANCE TO A-J INDUSTRIES  
AND MINI-PRODUCTS BASED ON NEED  
FOR THE PERIOD 03/01/88 THRU 02/28/89  
STO I&TECH CTR INVTN&DEVEL (133-0426) 25,736.00
3. WILSON-HURD  
WAUSAU, WI  
PROVIDE COOPERATIVE MANUFACTURING TECHNOLOGY  
TRANSFER BETWEEN WILSON-HURD AND UW-STOUT  
FOR THE PERIOD 01/01/88 THRU 06/30/88  
STO I&TECH CTR INVTN&DEVEL (133-0444) 16,414.00
4. WISCONSIN WOOD FIBERS, INC  
SCHOFIELD, WI  
PROVIDE TECHNICAL ASSISTANCE TO WISCONSIN  
WOOD FIBERS, INC  
FOR THE PERIOD 03/01/88 THRU 02/28/89  
STO I&TECH CTR INVTN&DEVEL (133-0447) 25,736.00
5. WISCONSIN REHABILITATION ASSOCIATION  
MADISON, WI  
PURCHASE PORTABLE RAMP FOR CENTER FOR  
INDEPENDENT LIVING  
FOR THE PERIOD 07/01/87 THRU 06/30/88  
STO ED&H S INSTIT RES & DEV INST R&D A (133-0486) 486.60

## GIFT-IN-KIND

1. INTEL CORPORATION  
BLOOMINGTON, MN  
2 ISIS CLUSTER BOARDS FOR ETHERNET COMMUNICATION  
1 SDK 86-128K RAM MODULE  
1 ICE 80 UNIT  
STO I&TECH ENERGY & TRANSP
2. CENTRALAB, INC.  
NEW BERLIN, WI  
TWO WIRE BONDERS  
STO I&TECH ENERGY & TRANSP
3. CROWN TEXTILE COMPANY  
JENKINTOWN, PA  
42 YARDS OF VARIOUS SAMPLES OF INTERFACING  
STO H ECON APPAREL, TEX&DES

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

UNIVERSITY OF WISCONSIN - STOUT

GIFT-IN-KIND

4. NAIER  
(NATIONAL ASSOCIATION FOR THE EXCHANGE OF  
INDUSTRIAL RESOURCES)  
STICK BALL PENS-BLACK-30, NAPKINS-36,  
COLOR BOOKS-10, BOOK-1  
STO C R&GS RES PROM SVCS
5. LIGHTING TECHNOLOGIES  
BOULDER, CO  
LUMEN-MICRO (VERSION 4.1) SOFTWARE WITH VCP AND  
PERSPECTIVE GRAPHICS MODULE  
STO H ECON HABITATNL RESRCS
6. THE FINISHING TOUCH OF MINOCQUA  
MINOCQUA, WI  
FISCHER COLORANT DISPENSER FOR DISPENSING  
SCREEN PRINTING INK  
STO I&TECH GRAPHIC COMMUNIC

RESEARCH

1. EDUCATION, DEPT OF  
WASHINGTON, DC  
NEW DIRECTIONS FOR REHABILITATION FACILITIES  
(RESEARCH AND TRAINING CENTER)  
FOR THE PERIOD 03-01-88 THROUGH 02-28-89  
AWARD # H133B80049  
STO ED&H S INSTIT RES & DEV RES&TRNG C (144-0511) 672,644.00
2. SCHUETTE, INC  
WAUSAU, WI  
RESEARCH ROUND BARS AND FLAT PLATES USED TO  
FABRICATE SAFETY WINDOWS  
FOR THE PERIOD 01/01/88 THRU 05/30/88  
STO I&TECH CTR INVTN&DEVEL (133-0398) 6,281.00
3. DADCO FOOD PRODUCTS  
EAU CLAIRE, WI  
CONDUCT MARKET RESEARCH STUDY OF  
DADCO FOOD PRODUCTS  
FOR THE PERIOD 02/13/88 THRU 06/30/88  
STO I&TECH CTR INVTN&DEVEL (133-0472) 7,176.00

STUDENT AID

1. EDUCATION, DEPT OF  
WASHINGTON, DC  
PELL GRANT PROGRAM  
FOR THE PERIOD 07-01-87 THROUGH 06-30-88  
AWARD # PO08802953, MOD. 1  
STO ST AST BEQG PROGRAM (148-0760) 71,228.00

TOTAL STOUT

828,701.60

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EXTENSION AND PUBLIC SERVICE	71,372.60
RESEARCH	686,101.00
STUDENT AID	71,228.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

UNIVERSITY OF WISCONSIN - SUPERIOR

GIFT-IN-KIND

1. UNIVERSITY OF WISCONSIN-SUPERIOR FOUNDATION  
SUPERIOR, WI  
TWO TOA 30 SD SPEAKERS  
SUP F&AA
2. UNIVERSITY OF WISCONSIN-SUPERIOR FOUNDATION  
SUPERIOR, WI  
ONE APPL-F864U 5.25 DISK DRIVE F/IIGS  
& //C  
SUP EDUC EDUCATION
3. UNIVERSITY OF WISCONSIN-SUPERIOR FOUNDATION  
SUPERIOR, WI  
EPSON EX1000 PRINTER AND COMPUTER SOFTWARE  
SUP BUS&EC BUS & ECONOMICS
4. UNIVERSITY OF WISCONSIN-SUPERIOR FOUNDATION  
SUPERIOR, WI  
IBM PS/2 MODEL 50 COMPUTER AND MISCELLANEOUS  
COMPUTER SOFTWARE  
SUP BUS&EC BUS & ECONOMICS

RESEARCH

1. ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC  
FIELD EVALUATION OF AQUATIC ECOSYSTEMS  
TO PESTICIDE STRESS  
FOR THE PERIOD 06-08-87 THROUGH 06-07-88  
AWARD # CR-814147-01-1, MOD. 1  
SUP U RES CTR-L SUP ENV ST CTR-LS E S (144-0382) 63,580.00

TOTAL SUPERIOR	63,580.00
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RESEARCH	63,580.00	
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GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - CENTER SYSTEM

## GIFT-IN-KIND

1. DR. PATRICIA WARRICK  
APPLETON, WI  
MIND IN MOTION BY DR. WARRICK  
CNS FOX VA LIBRARY ADMIN
2. DANIEL PUTMAN  
MENASHA, WI  
THE RIVER THAT FLOWS UPHILL, BY WILLIAM CALVIN  
CNS FOX VA LIBRARY
3. UW SHEBOYGAN COUNTY FOUNDATION, INC.  
SHEBOYGAN, WI  
10 COMPAQ COMPUTERS  
CNS SHEBOY ADMINISTRATION

## MISCELLANEOUS

1. BARABOO (CITY OF)  
BARABOO, WI  
1987/8 PERFORMING ARTS SERIES  
CNS B-SAUK STUDENT AFFAIRS LECT & F A (133-M769) 1,500.00

## RESEARCH

1. INTER, FISH AND WILDLIFE SERVICE  
MINNEAPOLIS, MN  
ASSESSMENT OF SEA LAMPREY SPAWNING RUNS IN GREAT  
LAKES TRIBUTARIES FOR THE 1988 SEASON  
FOR THE PERIOD 04-18-88 THROUGH 06-18-88  
AWARD # PO #FWS-88-RFQ-13  
CNS MARIN BIOLOGY (144-AF98) 3,000.00

TOTAL CENTER SYSTEM 4,500.00  
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MISCELLANEOUS 1,500.00  
RESEARCH 3,000.00

GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

## UNIVERSITY OF WISCONSIN - EXTENSION

## EXTENSION AND PUBLIC SERVICE

1.	PROGRAM UNDERWRITING FOR FY 88		
	EXT TELCOM WHA TELEVISION	(133-L435)	
	2,750.00	G-I SUPPLY COMPANY	
		MADISON, WI	
	1,500.00	HANLEY IMPLEMENT COMPANY, INC.	
		SUN PRAIRIE, WI	
	3,000.00	KRAEMER BROTHERS, INC.	
		PLAIN, WI	
	4,000.00	MADISON NEWSPAPERS, INC.-THE CAPITAL TIMES	
		MADISON, WI	
	1,040.00	KINKO'S COPIES	
		MADISON, WI	
			12,290.00
2.	WISCONSIN PUBLIC BROADCASTING FOUNDATION, INC.		
	MADISON, WI		
	UNRESTRICTED GRANT IN SUPPORT OF WHA RADIO		
	EXT TELCOM WHA RADIO	(133-M217)	20,000.00
3.	FY 89 PROGRAM UNDERWRITING		
	EXT TELCOM WHA TELEVISION	(133-M807)	
	8,800.00	WPS INSURANCE CORPORATION	
		MADISON, WI	
	4,000.00	STAFFORD, ROSENBAUM, RIESER & HANSEN	
		MADISON, WI	
			12,800.00
MISCELLANEOUS			
1.	EPSILON SIGMA PHI		
	MADISON, WI		
	ALPHA SIGMA CHAPTER		
	ALPHA SIGMA-ESP GRANT FUND (EXT)		
	EXT G E A CHANCELLOR	( TRUST )	240.00
	TOTAL EXTENSION		45,330.00
			=====
	EXTENSION AND PUBLIC SERVICE	45,090.00	
	MISCELLANEOUS	240.00	



GIFTS, GRANTS AND CONTRACTS  
MAY 6, 1988

UNIVERSITY OF WISCONSIN - CENTRAL ADMINISTRATION

GIFT-IN-KIND

1. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
DR. JOHN & SALLY OUELLETTE  
FAIRFAX TEA SERVICE WITH TRAY  
SA PRES OFF OF THE PRES

MISCELLANEOUS

1. EARNINGS ON MISC. INVESTMENTS  
MARCUS, MARVIN FUND  
SA PRES ( TRUST ) 354.17  
TOTAL CENTRAL ADMINISTRATION 354.17  
=====
- MISCELLANEOUS 354.17

MAY 6, 1988  
GIFTS, GRANTS AND CONTRACTS SUMMARY  
ITEMS PROCESSED 03-19-88 THROUGH 04-15-88

	EXTENSION	INSTRUCTION	LIBRARIES	MISC.	PHY. PLANT	RESEARCH	STUDENT AID	UNRES.	TOTAL
CNTL ADM/UNIV WIDE	-0-	-0-	-0-	354	-0-	-0-	-0-	-0-	354
CENTER SYSTEM	-0-	-0-	-0-	1,500	-0-	3,000	-0-	-0-	4,500
EAU CLAIRE	1,470	5,000	-0-	-0-	-0-	-0-	-0-	-0-	6,470
EXTENSION	45,090	-0-	-0-	135	-0-	-0-	105	-0-	45,330
GREEN BAY	-0-	-0-	-0-	470	-0-	500	49,018	-0-	49,988
LA CROSSE	31,567	-0-	-0-	700	54,313	13,329	791,109	-0-	891,018
MADISON	101,225	130,639	4,565	434,409	10,364	17,596,954	145,120	20,833	18,444,109
MILWAUKEE	-0-	229,364	-0-	1,385	-0-	448,686	161,202	-0-	840,637
OSHKOSH	-0-	220,490	-0-	-0-	-0-	29,996	32,000	439	282,925
PARKSIDE	-0-	-0-	-0-	185	-0-	6,000	955	-0-	7,140
PLATTEVILLE	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
RIVER FALLS	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
STEVENS POINT	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
STOUT	71,373	-0-	-0-	-0-	-0-	686,101	71,228	-0-	828,702
SUPERIOR	-0-	-0-	-0-	-0-	-0-	63,580	-0-	-0-	63,580
WHITEWATER	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
<b>TOTAL MAY 1988</b>	<b>250,725</b>	<b>585,493</b>	<b>4,565</b>	<b>439,138</b>	<b>64,677</b>	<b>18,848,146</b>	<b>1,250,737</b>	<b>21,272</b>	<b>21,464,753</b>
PREVIOUSLY REPORTED	8,365,170	14,138,656	609,731	13,290,246	1,561,705	172,309,408	52,746,607	192,042	263,213,565
<b>GRAND TOTAL</b>	<b>8,615,895</b>	<b>14,724,149</b>	<b>614,296</b>	<b>13,729,384</b>	<b>1,626,382</b>	<b>191,157,554</b>	<b>53,997,344</b>	<b>213,314</b>	<b>284,678,318</b>
<b>TOTAL MAY 1987</b>	<b>48,554</b>	<b>368,766</b>	<b>13,315</b>	<b>641,501</b>	<b>252,379</b>	<b>22,611,162</b>	<b>2,734,457</b>	<b>10,000</b>	<b>26,680,134</b>
PREVIOUSLY REPORTED	9,579,098	15,269,942	725,416	9,797,009	1,777,356	161,113,063	51,835,238	164,048	250,261,170
<b>GRAND TOTAL</b>	<b>9,627,653</b>	<b>15,638,708</b>	<b>738,731</b>	<b>10,438,510</b>	<b>2,029,735</b>	<b>183,724,225</b>	<b>54,569,695</b>	<b>174,048</b>	<b>276,941,305</b>
<b>FEDERAL TOTAL MAY 1988</b>	<b>26,074</b>	<b>544,657</b>	<b>-0-</b>	<b>8,870</b>	<b>54,313</b>	<b>15,880,772</b>	<b>1,104,462</b>	<b>-0-</b>	<b>17,619,148</b>
PREVIOUSLY REPORTED	3,857,644	12,397,684	-0-	2,828,884	1,369,704	123,802,950	48,983,457	-0-	193,240,323
<b>FEDERAL GRAND TOTAL</b>	<b>3,883,718</b>	<b>12,942,341</b>	<b>-0-</b>	<b>2,837,754</b>	<b>1,424,017</b>	<b>139,683,723</b>	<b>50,087,919</b>	<b>-0-</b>	<b>210,859,472</b>
<b>FEDERAL TOTAL MAY 1987</b>	<b>8,750</b>	<b>186,173</b>	<b>-0-</b>	<b>194,943</b>	<b>252,379</b>	<b>18,566,876</b>	<b>2,409,643</b>	<b>-0-</b>	<b>21,618,764</b>
PREVIOUSLY REPORTED	4,328,048	11,622,137	108,950	2,526,553	1,135,392	118,115,827	48,306,932	-0-	186,143,838
<b>FEDERAL GRAND TOTAL</b>	<b>4,336,798</b>	<b>11,808,310</b>	<b>108,950</b>	<b>2,721,496</b>	<b>1,387,771</b>	<b>136,682,703</b>	<b>50,716,575</b>	<b>-0-</b>	<b>207,762,602</b>

5/88

I-3  
II-1  
III-1

G. UW-STOUT

1. 1987-89 Ray Hall Steam Supply and Return Lines  
Asbestos Abatement (8801-09)

a. All Work  
Sentry Asbestos Contracting, Ellsworth \$ 6,715.00

H. UW-WHITEWATER

1. 1983-85 Carlson Business & Economics Building  
Facilities Performance Evaluation (8412-02)

a. All Work  
Carrier Building Systems & Serv., Brookfield \$ 63,112.00

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

There are none to report this month.

III. REPORT OF ACTIONS TAKEN (MEMOS OF AGREEMENT)

WARF - Software agreements to university, Nonpar. Item A

A. Agreement with the Wisconsin Alumni Research Foundation reassigning to the University all title and interest to certain software: GSP, MAIL, MISER, UW-PASCAL, UDH, VAX-NTR, CLMX, UNIX-NTR, FMS, UNADS (Interface only), EDIT, NEAT and HELP.

Medical School

~~B. An Agreement between the Board of Regents of the University of Wisconsin System and the U.S. Cancer Pain Relief Committee (Committee) which provides for the purchase of "The Journal of Pain and Symptom Management" (Journal) by the Committee. The Journal was created two years ago under the sponsorship of the Department of Anesthesiology within the Medical School. It has been determined that while there is a continuing need for such an academic journal in the field of pain management, the long term survival of the Journal would be best insured by transfer to a non-profit organization outside of the University. The Committee has agreed to purchase the Journal and continue publication. The purchase price has been established by the Medical School to reimburse the University for the cost advanced for the establishment and maintenance of the Journal.~~ Nonpar. Item B

Broadcast Music, Inc. - Five-year license agreement for public performance of

C. A five year license agreement was signed with Broadcast Music, Inc. (BMI) which covers public performance of music in BMI's repertoire on all campuses of the UW System and on the 12 radio stations licensed to the Board of Regents.

music, Nonpar. Item C

*UW-River Falls Bldg & Land - Farm lease agreements  
Mariusz Iton*

D. The following farm leases have been executed by the University of Wisconsin-River Falls Assistant Chancellor for Business and Finance for the purposes stated, in association with the University's agricultural operations:

<u>Lessor</u>	<u>Term</u>	<u>Acreeage</u>	<u>Rate/A</u>	<u>Purpose</u>
Al Timmerman	8 mos from 5/1/88	90	\$33.33	Pasture
James Tostrud	9 mos from 5/1/88	22	40.00	Corn-oatlage/hay
Mary Schmitt	8 mos from 5/1/88	8	40.00	Hay and oatlage

E. Under general authority granted by Resolution 518 (6/8/73) the officers of the Board have executed the following easements/agreements:

*Bldg & Land - Agreement for a grinder pump system at Physical Sciences Laboratory, Stoughton, Mariusz Iton E*  
 On behalf of UW-Madison, an installation and operation agreement granting authority to the Kegonsa Sanitary District to construct and maintain (including replacement) a Grinder Pump Assembly and a grinder pump effluent pressure discharge line on land owned by the Board of Regents (Physical Sciences Laboratory, Stoughton).

*UW Superior - Bldg & Land -*  
~~On behalf of UW-Superior, an Electric Distribution Easement to the Northern States Power Company for the purposes of installing underground electric cable across Board-owned land in Bayfield County, Superior, Mariusz Iton E~~

*Medical School - Lease agreements for Dept of*  
 F. ~~On signature of the Vice President for Physical Planning and Development, the following amendment to the lease agreement for the University of Wisconsin-Madison Medical School's Department of Ophthalmology in the Beaver Dam Clinic (reported November 1987) has been executed:~~  
*Mariusz Iton E*

188 square feet of space has been added: (total: 938)  
 New monthly rent: \$550 (increase: \$110)

G. University of Wisconsin Press Agreements:

<u>AUTHOR</u>	<u>TITLE</u>
Russell A. Berman	MODERN CULTURE AND CRITICAL THEORY: Art, Politics, and the Legacy of the Frankfurt School
Roberto Franzosi	Strikes in Italy in the Postwar Period
Karl Meyer and Nancy Tuma (Editors)	CONFERENCE VOLUME ON EVENT HISTORY ANALYSIS