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

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*All included  
11-10-89  
V.M. - pen*

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

Madison, Wisconsin

November 6, 1987

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MINUTES OF THE REGULAR MEETING

of the

BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

Madison, Wisconsin

Held in the Clarke Smith Room, Room 1820 Van Hise Hall

Friday, November 6, 1987

9:00 a.m.

- President Weinstein presiding -

PRESENT: Regents Davis, Fish, Flores, Gerrard, Grover, Hanson, Hassett, Heckrodt, Lyon, Nicholas, Nikolay, Schenian, Schilling, Vattendahl and Weinstein

ABSENT: Regent Clusen

Approval of Minutes

Minutes of the regular meeting held on October 9, 1987, were unanimously approved, upon motion by Regent Nikolay, seconded by Regent Schenian.

*Kauffman, Joseph - Welcome to Board to Dr. Kauffman*

REPORT OF THE PRESIDENT OF THE BOARD

Welcome to Professor Joseph F. Kauffman and His Management Development Program Students, p.1

Welcoming UW-Madison Professor Joseph Kauffman and his Management Development Program students, Regent President Weinstein noted that they had come to observe the meeting and that he planned to meet with them later in the day.



Status Report on UW/VTAE Task Force on Non-Credit Programs

*- Status report, p. 2*

Referring to the status report which had been distributed to the board, Regent Lyon, co-chair of the task force, stated that progress was being made in carrying out the task force's charge. As noted in the status report, the task force was expected to complete its work by the end of the first quarter of 1988, which was somewhat later than originally scheduled.

*X ref VTAE - Status report on UW/VTAE Task Force on Non-Credit Programs, p. 2*

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

*Report on nursing situation, budget, HMO, lithotripter and deficit, pp 2-3*

Reporting on the previous day's meeting, Regent Heckrodt, vice chair of the council, summarized several presentations which had been made. The director of nursing called attention to the acute shortage of nurses in the hospital profession and described what was being done at the UW Hospital to ensure adequate staffing, such as work schedule incentives and additional pay for working nights or weekends. The shortage here, however, was not as severe as in many other hospitals.

Another presentation was by the director of acute care for the Pediatrics Department, who described the great strides being made in caring for acutely sick children.

There was discussion at the council meeting of the hospital budget and the manner of presenting the cash position, which was resolved to the satisfaction of all concerned.

In other business, the council accepted new positions at the hospital and received the October approval by the Board of Regents for a health maintenance organization if it was needed.

*✓ Hospital - Status of HMO issue, p. 2*

In reply to a question by Regent Weinstein, Regent Heckrodt explained that the HMO issue was now before the U-Care board and did not require action by the Council of Trustees. The council was in agreement with the idea and was pleased to have the support of the Board of Regents.

In a review of the financial statement for September, the council was advised that profit projections were ahead of schedule, primarily because expenses were below budgeted levels. As was the case in other hospitals, in-patient activity was continuing to decrease, while the out-patient volume was increasing.

The council also heard an update on the lithotripter--a machine used to break up kidney stones without surgery. The initial plan had been to buy a lithotripter for shared use from Germany and install it at the VA Hospital at considerable initial expense. However, because the state of the art was changing rapidly, UW Hospital had decided instead to use a machine installed in a truck and shared among hospitals. The truck, set up like a hospital room, was brought to the UW Hospital once a month for three to four days, and patients were taken there to have the procedure performed. Participation in this arrangement cost about \$67,000 but averted a capital outlay of about \$800,000 to purchase a machine. In addition, it would allow the hospital to take advantage of changes in technology. This was an

example, Regent Heckrodt pointed out, of what hospitals could do to contain health care costs by working together.

Adding that the cash deficit was the issue most extensively discussed, Regent Flores said the council was assured that by the first of the year a positive cash flow situation should be restored.

*Weinstein, Lamoreaux*

Report on President's Visits to Southeastern Wisconsin Campuses, p. 3

Regent Weinstein reported that, since the October board meeting, he had visited the UW Center/Waukesha County, UW-Milwaukee, UW-Oshkosh and UW-Green Bay. In November, he planned to visit UW-Whitewater and UW-Parkside, which would conclude a promise he had made to himself when he became Regent President that he would visit every doctoral and comprehensive university in the system, plus at least two UW Centers. Emphasizing the importance of such visits, he noted that they provided an opportunity to talk with campus administrators, faculty, academic staff, student leadership, members of the boards of visitors, and members of foundation boards.

Stating that the visits were interesting, helpful, and highlighted the differences among the institutions, he thanked the chancellors for taking time out of a busy schedule to arrange them. It was his hope that he and other regents who visited system institutions could aid in interpreting to staff, students, faculty and others the significant actions taken by the board.

*Regent Policy*

Restatement of Regent Policy Against Racism, pp 3-4 & EX A

Regent President Weinstein made the following statement:

*Minutes - (same)*

"I have asked that each of you receive a copy of a resolution, which you have in your folders, that we adopted in May. It is a resolution that restates regent policy regarding racism and was developed after hearing the testimony of our students. This resolution is consistent with long-standing regent policy.

*Racism - (same)*

"Once again, we have been confronted with reports about incidents of racism, anti-Semitism and violence among some students. And as you would suspect, as President of the Board I have been asked by the media to comment on what action this board might take, if any.

"My position has been that as long as fact finding is going forward at both the campus level and in the courts, any comment regarding particular incidents would be totally inappropriate on my part. I can only caution that we not engage in prejudging individuals or groups of individuals.

"However, as the resolution before you indicates--the one adopted in May and those before--no one should construe this lack of comment as an insensitivity to the issues that have been raised. For the record, let me state as firmly as possible that this resolution adopted in May is not a collection of empty words. We expect, we demand in fact, that those associated with this University System comply with its intent. History has

repeatedly taught us the bitter lesson that those capable of racial and ethnic denigration today are capable of racial and ethnic violence tomorrow.

"Universities are the primary public institutions charged by society with the responsibility for shaping our common future. Therefore, we have a special duty to explore ways to alter an environment which permits the existence of racism and other forms of bigotry. When I say we have a duty, I mean regents, administrators, faculty, staff and students. All of the actions recommended by our resolution and the Future Study Group are directed at helping us discharge that duty. It appears that now may be the time to monitor their implementation.

"Our great University of Wisconsin System must be the model for all citizens. The least that we can expect is that we will live together peaceably. On a continuing basis, we must teach and learn tolerance and understanding. If we cannot achieve those goals within the confines of the university in its atmosphere of free inquiry and good will, then society at large faces bleak times indeed."

Regent Resolution 3783 is attached as EXHIBIT A.

- - -

REPORT OF THE PRESIDENT OF THE SYSTEM

Resolution 3925 was moved by Regent Fish, seconded by Regent Schenian and adopted unanimously.

Resolution 3925: 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.

Statement by Acting Chancellor Cohen on UW-Madison Events *of racism, pp 4-6*

Acting Chancellor Cohen made the following statement: "I appreciate this opportunity to tell you briefly what has been happening on Langdon Street and something about our responses.

"Last spring, as you know, the Phi Gamma Delta Fraternity held its annual Figi theme party, during which a cardboard cutout of a black man with a bone through his nose was placed on the lawn in front of the house. After careful consideration, we suspended the fraternity and set conditions for lifting the suspension. Upon a determination by Dean of Students Mary Rouse and me that those conditions had been met, the suspension was lifted on October 22; and we hoped that the appropriate lessons had been learned.

*Minutes*

*Xref Racism - (same)*

*Xref Cohen, Bernard - (same)*

"On October 30, early in the morning, there was an altercation at the Zeta Beta Tau Fraternity, in which violence occurred and allegations were made of racial and ethnic slurs. Two members of the Phi Gamma Delta Fraternity were arrested. They have since been suspended by their fraternity.

"How do we deal with these situations? As I look back over the past 20 years at Madison, especially since the Dow incident in 1967, which was 20 years ago last month, I see a repeated pattern whereby new problems arise for which there are no established procedures or clear-cut policies. Situations are necessarily dealt with on a reasonable, but an ad hoc basis. But when the same issue reoccurs, a more formal process is then able to be set in motion to deal with it and with any future occurrences.

"The first incident last spring was the occasion for a very large student/staff gathering with urgent demands that something be done to prevent a reoccurrence of the Phi Gamma Delta incident. We worked our way through to an internal agreement on appropriate sanctions for the Phi Gamma Delta Fraternity, and we agreed with the minority students to start a formal effort to look closely and critically at the campus environment from the perspective of minority students, to increase and improve our educational efforts on race relations and to come up with ways of improving the environment in all its aspects for people of color. That committee, with heavy student representation, is due to report in a week or so. And we have promised that their recommendations will receive prompt attention through the appropriate campus governance processes.

"The most recent event involving students from Phi Gamma Delta and Zeta Beta Tau came to our attention late Friday afternoon. On the basis of information supplied to us from the Madison Police Department, Dean Rouse, Acting Vice Chancellor Certain and I were in agreement that the situation called for some positive action on our part. We reimposed a temporary suspension on Phi Gamma Delta and began our own process of investigation. Two days ago, after discussions with the two fraternities, we entrusted the investigation to an objective independent fact finder, Professor Frank Tuerkheimer of our Law School, a former U.S. attorney for the western district of Wisconsin. We have the cooperation in this investigation of the national offices and the local chapters of Phi Gamma Delta and Zeta Beta Tau; and we expect to receive a thorough and dispassionate record of the events of the early morning hours of October 30, including a determination of whether any acts that may have occurred were committed by persons in their individual capacity or as representatives of their fraternity. On the basis of this information, we can take necessary and appropriate action, including individual disciplinary action.

"While we all hope most fervently that we have seen the end of such incidents, we have nevertheless in prudence now reached the point where we need to review and formalize our procedures for dealing with such incidents if they do occur again. That is necessary in the interest of prompt and equal justice, to minimize the possibility of procedural error on our part, and to help deter such behavior itself. We have begun institutional governance consultations to establish policies and procedures related to student organization conduct and discipline, and the experiences gained in the current investigation will be instructive in that effort.

"These are outrageous and distressing events, made even worse because they happened in a university, the institution in our society that ought to be the most free of such bigotry. Among the many things I regret about the incidents is that they may discourage minority students from attending this university. That would postpone even longer our achieving the larger minority presence that is necessary on this campus.

"To all of you that may be asked the question by a prospective minority student, why should I come to a university where these things happen? the only answer that I can provide is to say that there are no islands, that we need together to cleanse the sea and that with their help we can do it."

In response to a question by Regent Lyon, Dr. Cohen explained that suspension of a fraternity meant loss of all privileges of a student organization, such as engaging in organized activities, using the campus mail system or using university facilities.

Regent Weinstein asked if the university's jurisdiction extended beyond buildings owned by the state and if it covered inter-student relationships.

Dr. Cohen replied that the university had jurisdiction over student organizations whether or not they were in state-owned buildings. Chapter UWS 17 of the *Wisconsin Administrative Code* provided authority to deal with individual student conduct. What was lacking, he added, were comparable policies and procedures governing student organizations. Any proposals for rules in this area would be brought to the Board of Regents.

Regent Nikolay asked to what extent fraternities themselves should be held responsible for the conduct of individual members.

Indicating that there were divergent explanations of what happened and where responsibility might lie, Chancellor Cohen said one reason for appointing an independent fact finder was to determine whether the people involved were acting in an individual capacity or whether they were acting in a representative capacity. Initial information from the police suggested enough of the latter to reimpose the suspension.

Regent Nikolay asked whether an organization would be punished if an individual member got into trouble in an off-campus location, and Dr. Cohen replied in the negative.

Regent Lyon asked if the suspension was temporary, pending the outcome of the investigation, and Dr. Cohen said that was correct.

Regent Heckrodt asked if it was true that the reason for suspension at this time was indication of a connection between the incidents and the fraternity. Dr. Cohen replied in the affirmative.

✓ Report on Enrollment Management - *First year reports pp 7-8*

Reporting that the first year of enrollment management had been a success, President Shaw said that, on an overall basis, the system over-achieved the target for 1987. FTE enrollments were 2,447 students fewer than last year, whereas the target was to reduce enrollments by about 1,500 students. The result was about 900 students fewer than the targeted number.

In general, the FTE reduction followed the desired pattern, with the UW Centers experiencing growth above the 339 FTE target. UW-Green Bay was at 146 students above its target, and UW-Superior had 35 students more than last year--only five short of its target. Three institutions--UW-Madison, UW-Milwaukee, and UW-Parkside--had FTE enrollments substantially lower than their 1987 targets, the larger-than-expected decline at UW-Milwaukee being the result of fewer new freshmen than expected, a decline in average credit loads carried by undergraduate students, and to a lesser extent, the change in method of offering and counting remedial courses.

The other institutions achieved levels close to their targets, with the exception of UW-Whitewater which had an enrollment of 306 FTE above its target.

If there were student fee revenues beyond what was projected, the intent would be to use those revenues next year to reduce tuition, which would be consistent with what was done last fall and consistent with the plan not to reward institutions for enrollments in excess of goals.

In planning for next year's budgets, decisions would be guided by targeted four-year reductions, and budget adjustments would not be made to reflect shortages or overages from targets which had been experienced this fall.

The result of achieving these first-year enrollment targets was that students were beginning to benefit from less-crowded classes and better academic programs, the president said, adding that both the UW System and the state must sustain the commitment to this effort through 1990.

Regent Fish stated he was pleased to hear that any additional funds would not be used to reward institutions with enrollments in excess of their targets. He asked if the definition of FTE could be manipulated to provide a loophole in the guidelines.

Replying in the negative, President Shaw said there was a standard definition of FTE, which was mathematically derived and uniform throughout the system.

Regent Schilling inquired as to why UW-Whitewater had missed its goal by more than 300 students.

Chancellor Connor explained that, when it appeared the target would be exceeded, efforts were made to limit the number of special students, which was difficult to gauge. In addition, the retention rate was higher than expected. He assured the board that next year the goal would not be missed.



In his visits to system institutions, Regent Weinstein added, he had found that chancellors and administrators took very seriously the regent resolution on enrollment management. If there were to be aberrations, he hoped they would be kept to a minimum.

Regent Grover asked if enrollment management extended to the department level.

Replying in the affirmative, President Shaw said programs were not enrolling more students than they could accommodate. In December, the regents would receive a report on revised admission standards and programs with special admission requirements. Complaints which had been received, he added, had less to do with enrollment management than with the difficulty of keeping track of changing admissions requirements. The resulting confusion should be somewhat alleviated by dissemination of the information presented in the December report.

UW-Oshkosh - Staff -  
 Introduction of New Staff, ~~UW-Oshkosh~~

Chancellor Penson introduced three new staff colleagues.

Dr. Shirley R. Wilbert, the new associate vice chancellor for graduate programs and continuing education, received her Ph.D. from Wayne State University in library science. A long term member of the UW-Oshkosh faculty, she was very knowledgeable about the field of academic program review. Her position was a new one, created by merging two others, and her appointment constituted a promotion within the university.

Dr. Samuel Cargile, the new assistant vice chancellor for academic development and minority programs, received his Ph.D. degree from UW-Milwaukee and his master's and baccalaureate degrees from UW-Oshkosh, where he was an outstanding scholar and athlete. He came back to Oshkosh from the American College Testing program where he was director of the Office of Minority Programs and also an expert on assessment. Prior to that, he had served in the Department of Education as a policy and program analyst.

*Sand* Dr. Robert Benton, the new dean of the College of Education and Human Services, received his doctorate from Colorado State University. His emphasis in earlier practice had been in curriculum and instruction, and he had served on a number of national panels which had been on the cutting edge of educational reform. He came to Oshkosh from his position as State Superintendent of the Iowa Department of Public Instruction.

*P. 8*  
UW-Stevens Point -  
 Presentation on the College of Fine Arts, ~~UW-Stevens Point~~

Introducing the presentation, Chancellor Marshall called on Dr. Paul Palombo, Dean of the College of Fine Arts in the School of Education, who had brought about a number of significant changes in the college since his appointment five years previously.

Dean Palombo noted that with him for the presentation were the chairs of the Visual and Performing Arts Departments and student representatives who constituted the college advisory group representing each area of the arts.

Noting that the College of Fine Arts at the UW-Stevens Point was one of two colleges of the arts in the state, Dean Palombo said special attention had been focused on the college by its curricular approach, program array, and program success as demonstrated in regional and national competition.

There were two categories of program offerings: significant professional programs in the visual and performing arts, reflecting national standards of practice, and content-rich liberal arts programs, with majors in the fine arts fields and communication. While the availability of both professional and liberal arts degrees was of itself not particularly unique, the use by UW-Stevens Point of option areas with an array of specializations provided significant and noteworthy flexibility.

One of four academic colleges at UW-Stevens Point, the College of Fine Arts consisted of the departments of art and design, communication, music, and theater arts which administered programs in dance and drama. The communication faculty provided comprehensive preparation in interpersonal, organizational and mass communication, as well as opportunities to focus in a primary interest area such as advertising, public relations, television, or journalism. The arts faculty offered courses and professional education to visual and performing arts majors in all arts fields, as well as to interested non-majors. The art and design faculty offered work in art education, studio arts and visual communication. Recently aided by a laboratory improvement grant, state-of-the-art equipment was available in graphic design, computer graphic design in animation, design photography and environmental design.

Theatre Arts faculty offered full courses of study in drama, drama education, technical theatre design, music theatre, and all forms of dance for the major and non-major. Faculty of the music department offered an extensive curriculum in vocal and instrumental performance, music education, jazz, theory composition and music literature.

Michelsen Concert Hall and the Jenkins Theatre were in constant use for student and faculty performances in music, dance and drama, as well as for performances by visiting artists and companies. A smaller performance space, the studio theatre, was available for experimentation with new theatrical forms.

The Fine Arts Center also was the home of the Edna Carlson Gallery of Art, where guest artists joined resident art faculty and students in exhibits of their creative work.

To meet the university's commitment beyond the classroom, faculty also assumed important service responsibilities through a variety of outreach activities which enhanced the comprehensive quality of collegiate programs. Special programs involving pre-collegiate, collegiate and nontraditional students emanated from the core programs of the visual and performing arts, the success of these programs establishing a position of importance for the



arts throughout the service region and extending to many other parts of the state. This involvement in service generated a social and cultural consciousness among constituents, which, in turn, positively affected the arts programs. Examples of this influence were the 214 curriculum-related and outreach fine arts events which served approximately 78,000 people during the past year.

Stating that the visual and performing arts had enjoyed remarkable development during the last five years, Dean Palombo noted that there were many changes, new emphases and achievements within the curriculum, improved programs, greater faculty accomplishment, and student success. These were the result of the collective efforts of faculty, students and staff, with considerable support from the university and system administration, as well as timely action by campus governance units. The faculty of the college demonstrated vision of present and future expectations of the arts professions, and the planning process articulated the steps necessary to bring about the appropriate curricular changes.

Modifying the curriculum had both practical and educational implications. Educationally, the intent was to ensure that the curriculum remained current in the field and met changing needs of the professions, while also ensuring high quality, variety, comprehensibility, and depth of content. On the practical side, the intent was to maintain appropriate coverage of each arts profession, without contributing to the proliferation of specialty degrees, and to accomplish this by effectively utilizing existing resources. The purpose included making the arts more accessible to a wider range of students and broadening the cultural influence of the university, in order to increase the effectiveness of educational and outreach endeavors.

The philosophy that programs must better prepare students for the future and challenge their individual talents created possibilities for new faculty roles, obligations and professional activities, stimulated greater faculty productivity, and encouraged attitudes that fostered excellence. The strategy to accomplish these goals was action-oriented--to identify professional disciplinary needs, needs of students, necessary competencies, faculty expertise, and current resources, plus a workable action plan for achieving goals. In so doing, the faculty examined curricula in arts disciplines at comparable universities and compared UW-Stevens Point's offerings to institutions with proven leadership in the arts, as well as to requirements of the arts accrediting agencies.

The next step was to develop a framework for degree structure that met the dual commitment to liberal arts and professional education, by creating career programs under the liberal arts umbrella.

The result was termed a generic degree format which provided each of the arts disciplines with a model curriculum. Fundamental to this idea were certain commonalities among the visual and performing arts, with each having a core of foundation courses as prerequisite for subsequent work in the major. Creation of a number of curricular emphases and specializations within those emphases provided as much variety as resources permitted.

Specializations within each option were selected for their importance within the particular discipline. Further, each option and specialty were required to have sufficient content and depth to adequately prepare students for entry level positions or acceptance into leading graduate schools. The generic curricular format permitted the offering of liberal arts degrees with majors in art and design, arts management, music and theatre arts. The professional degrees were the Bachelor of Music, the Bachelor of Fine Arts in Art and Design, or the Bachelor of Fine Arts in Theatre Arts. The basic difference between the two types of degrees was the specific content of the liberal arts and professional studies.

In the liberal arts format, the disciplinary arts major component was limited to 35-45 percent of the total requirement. The credit hours for any particular specialty were limited to ensure depth and a balance of theory, history and application. The general degree component comprised 40/50 percent of the total. This structure also provided additional choices of studies as part of the 10-20 percent elective component. Therefore, students following the liberal arts program could, through elective choices, develop an additional area of expertise or a second major. A revised liberal arts program, the Bachelor of Arts in Theatre Arts, the Bachelor of Science in Art Education, the Bachelor of Science in Theatre Arts and the pending Bachelor of Arts Degree proposals in Music, Arts Management and Art offered this opportunity.

The music and art proposals were similar to the approved Bachelor of Arts in Theatre Arts that featured reduction of the major requirement and an appropriate increase in general education expectations. An example of interdepartmental cooperation, the interdisciplinary proposal for a Bachelor of Arts in Arts Management evolved as a result of increasing student demand for courses that specifically taught the business of the arts. Therefore, a program was created that utilized specific areas of strength in business, economics, and communication, while at the same time emphasizing an area in the visual and performing arts. Faculties of each discipline developed the proposal which involved the support of two deans and was subsequently approved by university governance bodies.

The professional degrees consisted of the approved Bachelor of Fine Arts in Art and Design, the Bachelor of Music, and the pending Bachelor of Fine Arts and Theatre Arts. In this format, emphasis was on the disciplinary major which comprised 60-65 percent of the total requirement. Again, credit hours in the specialization were limited to ensure an appropriate balance between practice, theory and history. The general education requirement remained strong at 25-35 percent of the total, and an elective area of up to 15 percent completed the degree requirements.

The Bachelor of Fine Arts Degree in Art and Design, approved in 1984, featured two emphasis areas: studio art and visual communication. Four specialties were made available under each option. In studio art, traditional choices offered were painting/drawing, drawing/print making, ceramics/crafts, sculptures/metals. A more technology-based option, visual communication, offered specialties in graphic design, environmental or product design, design photography and computer graphic design. The visual communications option provided an illustration of the advantages of the generic degree with options and specialties. For example, the specialty of

design photography had numerous applications--as a fine art form, as photo journalism, pictorial essay, a component of graphic design, or for use in advertising endeavors. Similarly, environmental design offered not only the architectural possibilities of spacial design, but also of redesigning an existing area to better accommodate a particular purpose or activity. Product design also provided a range of variations from the design of product containers to products themselves, in all cases emphasizing function, purpose, and aesthetics.

The Bachelor of Music Degree, approved in 1986, had options in applied music with specialties in voice, band and orchestral instruments; jazz with specialties in instrumental, vocal or arranging composition; music education with specialties in general music, instrumental or choral music, theory composition and musical literature. Most of these option areas had existed formerly as separate bachelor's degrees, but now were encompassed in a single major.

The Bachelor of Fine Arts in Theatre Arts, for which approval was pending, would include options in drama with specialties in acting, directing or technical theatre design; musical theatre with specialties in acting, voice or movement; and dance with specialties in ballet, modern dance or choreography.

A primary strength of both the liberal arts and professional degree types was found in the electives which appealed to student interests and also maintained program depth. The professional degrees did not emphasize only the mastery of technique, but also required understanding the development and history of the practice or profession, the theoretic base, and the application of those theories and practice. The emphasis on liberal learning provided a healthy balance rather than a narrow concentration on a particular specialty.

The final stage of curricular development was assessment and evaluation of proposals at all stages, from the academic department through system administration. After the final evaluation, the package was presented to the Board of Regents for action.

Social, cultural and professional perspectives formed the guiding principles for curricular development, with the array of courses attempting to place in perspective all the elements confronting a particular profession today with a view toward the future. It was necessary for content to develop the ability to understand the effect of theory and history upon application and practice.

The new visual and performing arts curricula, Dean Palombo stated, demonstrated UW-Stevens Point's commitment to provide the means to increase and sustain high quality. The programs were attractive in that they provided special opportunities to draw people to them as students or as art consumers. They were beneficial in that they increased cultural awareness and enhanced the quality of life within the region served by the university. They were congruent in that they accomplished what they intended, as demonstrated by the national accreditation they had received. The programs were distinctive in that they not only reflected the unique characteristics of UW-Stevens Point, but also achieved a far-reaching

perspective, particularly special and unique to the campus, region and state. The programs were effective in that they accomplished their goals and proved their effectiveness in regional and national competition. The programs were functional in that they provided both liberal learning and focused experience important to individuals in the profession, enabling them to function effectively despite the complexities and changing demands of the discipline. Finally, the programs were growth-producing, with each student's needs continually assessed through adjudicated performance, portfolio review and consultation. This information was used to help tailor programs that fit the individual's needs and to foster individual development and growth.

In conclusion, the dean stated that the new curriculum and programs addressed student needs, strove for excellence and provided a built-in vehicle for ongoing curricular development. They maximized the use of individual abilities and special expertise of the faculty, and they created an educationally sound avenue for the effective use of available resources. As a result of the careful planning process, the programs were unique, attractive and strong.

In response to a question by President Shaw about the assessment of student competency, Dean Palombo explained that, in order to be accepted into a professional program in music, students had to demonstrate considerable training in a musical instrument or voice. The competencies they were expected to develop were the ability to orally discriminate between pitch, between different types of music, and between relative periods in music. For singers, the discipline demanded that competencies include a variety of different kinds of repertoire from the Renaissance to the 20th Century. In the visual arts, assessment of the actual portfolio demonstrated what was expected of the student in terms of the ability to manipulate the drawing pen or pencil. National standards facilitated such assessments.

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#### REPORT OF THE PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

The committee's report was presented by Chairman Nikolay.

*UW-Whitewater - Bldg & Land -*  
Approval of Concept and Budget Report for Major Project  
for Primary Voltage Electric Distribution System Repairs, R3926, pp13-14

The committee unanimously approved the concept and budget report for the primary voltage electric distribution system repairs project for UW-Whitewater, at a total cost of \$1,992,000 from the maintenance program allocation.

Regent Nikolay moved and Regent Schenian seconded the following resolution which was unanimously adopted by the board:

Resolution 3926: 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 Primary Voltage Electrical Distribution System Repairs project be approved and authority granted to prepare final specifications, plan, bid and construct the project at a total cost of \$1,992,000, from General Fund Supported Borrowing - Maintenance Program funds.

✓ Bldgs + Land - Approval of

UW-Madison: Charter Street Heating Plant Main Boiler Feedwater System Replacement - Phase II R 3927, p. 14

It was reported by Regent Nikolay that the committee unanimously approved a Charter Street Heating Plant main boiler feedwater system replacement for UW-Madison. This project, which involved major maintenance and revisions to the campus' electrical distribution system, cost \$1,539,000 to be funded from the statewide maintenance allocation.

✓ X ref Charter St. Heating Plant - (Same)

Resolution 3927 was unanimously adopted by the board, upon motion by Regent Nikolay, seconded by Regent Schenian.

Resolution 3927: That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, authority be granted to prepare final plans, bid and construct the Charter Street Heating Plant Main Boiler Feedwater System Replacement project at a total estimated cost of \$1,539,000 from General Fund Supported Borrowing - Minimum Maintenance Funds.

UW-Madison: Approval of Land Purchase/Exchange

The committee considered a land purchase and exchange of property for UW-Madison, which had been tabled at the October meeting to allow further discussion with the appraisers. Following a report from Regent Gerrard on the outcome of that meeting and his recommendation in support of the acquisition, the committee approved Resolution 3928 with one dissenting vote.

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

Bldgs & Land - Approval of Land purchase/ exchange; 11 N. Brooks for 101 N. Murray St, R 3928, pp 14-15

Resolution 3928: That, upon the recommendation of the UW-Madison Acting Chancellor and the President of the University of Wisconsin System, approval be granted to convey a 0.59-acre unimproved state-owned parcel of land, located at 11 North Brooks in the City of Madison, plus a payment of \$43,500, in exchange for a 0.74-acre improved parcel of land, located at 101 North Murray Street. In addition, approval be granted to spend up to \$18,500 for estimated appraisal, closing, and relocation costs. Funding is to be from the 1985-87 Advance Land Acquisition fund.

✓ 101 N. Murray St. - (same)

In explanation of his dissenting vote, Regent Nikolay pointed out that there was a substantial difference in the assessed and appraised values of the university land to be traded. He felt the proposed trade was not favorable to the university.

✓ 11 N. Brooks St. - (same)

Put to the vote, Resolution 3928 was adopted, with Regent Nikolay voting "No."

✓ UW-LaCrosse - Bldgs & Land -

UW-LaCrosse: Acceptance of Stadium and Land from City and Approval of Maintenance Expenditures, R 3929, pp 15-16

Regent Nikolay reported that the committee reviewed a request for acceptance of the Veterans Memorial Stadium and approximately six acres of land from the City of LaCrosse for use by UW-LaCrosse, as well as approval of a \$710,000 renovation project which would complete needed work relating to maintenance, code compliance and handicapped accessibility. State Senator Brian Rude had written to the regents in support of this project which he viewed as being of great significance to the city and state. After agreeing to an editorial change in the resolution clarifying that there would be no restrictions in the deed requiring continued availability of a stadium for the non-university users, the committee unanimously approved Resolution 3929.

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

Resolution 3929: That, upon the recommendation of the UW-LaCrosse Chancellor and the President of the University of Wisconsin System, authority be granted to accept an unrestricted deed transferring ownership of the City of LaCrosse-owned Veterans' Memorial Facility (5.88 acres of land including the stadium) for \$1.00; with further authority granted to plan, bid, and construct a 1987-89 Stadium Repair, Code Compliance and Handicapped Accessibility project, on the campus at UW-LaCrosse, for an estimated total project cost of \$710,000 of 1987-89 General Fund Supported Borrowing from the following All-Agency appropriations:

Minimum Maintenance	\$461,000
Health, Safety and Environment	188,000
Handicapped Accessibility	<u>61,000</u>
	\$710,000

Noting that the resolution would allow termination of an agreement whereby the city would maintain the land for a 99-year period, Regent Fish inquired as to the benefit for the university in taking ownership.

In reply, Chancellor Richards explained that the university also would receive six acres of land, which would be worth about \$1.5 million in assessed value; and the city might be willing to close some streets which would permit addition to that land. With repairs, the stadium was expected to be useful for about 25 years.

Regent Fish noted that the university and private schools currently paid the City of La Crosse a fee for use of the facility. He asked if other users would pay the university a fee if ownership were transferred, and Chancellor Richards replied in the affirmative.

In answer to a further question by Regent Fish, the chancellor said those user fee revenues would be used for maintenance of the stadium and would not be put into the university's athletic program fund.

Put to the vote, Resolution 3929 was unanimously adopted by the board.

*✓*  
UW-Whitewater - Bldgs & Land

UW-Whitewater: Approval of Naming of Facility

~~The committee unanimously approved naming of the Computer Center addition to the Andersen Library at UW-Whitewater in recognition of the contributions of School of Graduate Studies Emeritus Dean Arthur G. McGraw,~~

R 3930,  
PP  
14-15

Resolution 3930 was adopted unanimously by the board, upon motion by Regent Nikolay and seconded by Regent Schenian.

*✓*  
UW-Whitewater - Bldgs - (same, but add "at UW-Whitewater")



Resolution 3930: That, upon the recommendation of the UW-Whitewater Chancellor and the President of the University of Wisconsin System, authority be granted to name the Computing Center Addition to Andersen Library the "Arthur G. McGraw Computing Center."

Approval of Minor Projects

The following resolution, which was approved by the committee, was moved by Regent Schenian and seconded by Regent Schilling:

Resolution 3931: That, upon the recommendation of the UW-Eau Claire, Madison, Oshkosh, and Whitewater Chancellors and the President of the University of Wisconsin System, the following minor projects be approved and authority grant to plan, bid and construct, at the cost and from the funding sources indicated, which are summarized as follow:

Program Revenues	\$ 571,000
Minor Project Funds	1,058,000
Maintenance Funds	437,000
Health, Safety and Environmental Programs	<u>210,000</u>
	\$2,276,000

UW-Eau Claire - Bldg & Land - Approval of

~~UW-Eau Claire: Towers Residence Hall South Tower Roof Replacement, \$75,000, Program Revenues R 3931, pp 17-18~~

Bldg & Land - Approval of

~~UW-Madison: Bardeen Laboratories Seventh Floor Remodeling, \$240,000, 1987-89 Minor Project Funds~~

~~Walter V. Price Cheese Research Institute Remodeling, \$195,000, 1987-89 Minor Project Funds~~

~~Bascom Hall Lecture Room 272 Remodeling, \$175,000, 1987-89 Minor Project Funds~~

~~Memorial Library Movable Compact Book Storage, \$240,000, 1987-89 Minor Project Funds~~

~~Charter Street Heating Plant Boiler No. 5 Superheater Tube Replacement, \$240,000, 1987-89 Maintenance Funds~~

~~Stovall Hall Animal Virology Lab Improvements, and \$210,000, 1987-89 Health, Safety and Environment Funds~~

~~Chamberlin Hall Roof Replacement, \$197,000, Maintenance Funds R 3931, pp 17-18~~

Roof Problems - Approval of roof replacements at UW-Eau Claire, UW-Madison's Chamberlin Hall, and UW-Oshkosh, R 3931, pp 17-18



*UW-Oshkosh - Budget and Approval*

*✓* UW-Oshkosh: River Commons Roof Replacement,  
\$139,000, Program Revenues

*✓* Gruenhagen and Scott Residence Halls Vapor Barrier  
Installation, \$84,000, Program Revenues

*✓* Reeve Memorial Union Asbestos Removal, \$71,000,  
Program Revenues *R 3931, pp 17-18*

*UW-Whitewater - Budget and Approval*

*✓* UW-Whitewater: Three Area Site Development Project,  
\$208,000, 1987-89 Minor Project Funds

*✓* Warhawk Stadium Masonry Repairs, \$34,000, Program  
Revenues *and*

*✓* Residence Hall Exterior Site Lighting, \$168,000,  
Program Revenues *R 3931, pp 17-18*

Explaining his vote in committee against the resolution, Regent Nikolay referred to the Chamberlain Hall roof replacement at UW-Oshkosh. Although it was indicated that there had been problems with the roof since its installation, no suit had been brought against the architect, engineer or contractor. He felt the state had been remiss in its obligation to the tax-paying public by not taking action against the responsible party.

Regent Flores asked if the statute of limitations had expired, and Regent Nikolay replied in the affirmative.

Regent Weinstein agreed that action should be taken when problems were identified in the time frame permitted by law.

Regent Heckrodt observed that in many cases the firms involved had gone out of business, leaving the state with no recourse.

Regent Davis asked who was accountable on an on-going basis for safeguarding the university's assets.

In reply, Vice President Brown said the physical plant staff at each institution would have that responsibility.

Regent Davis inquired as to whether there was an annual assessment on how those assets were being preserved, to which Mr. Brown replied that there was no formal report, but that projects were brought forward when problems were identified.

Put to the vote, Resolution 3931 was adopted unanimously.

Report of the Vice President

Update on Building Commission Actions

Regent Nikolay reported that the committee was advised by Vice President Brown about bid openings and actions of the State Building Commission at its October 28 meeting.

Status Report on the UW System Asbestos Monitoring Program, p.19

*year card* Asbestos Pollution - See card for "Hazardous Materials"  
The committee received a report on the UW System asbestos monitoring program, which indicated that data collected thus far would not be in compliance with new rules being developed by the Department of Industry, Labor and Human Relations. Therefore, all facilities would have to be re-inspected by certified inspectors, who would follow procedures to be developed when the new rules were promulgated. While extensive surveys would not be conducted until the new criteria were known, President Shaw planned to discuss with the chancellors the steps which would be taken in anticipation of the new rules. After implementation of the rules, training of staff, and analysis of suspect materials, it would be possible to develop a report for presentation to the regents identifying the magnitude of the problem and recommending a course of action to deal with it.

Golf Course Planning Committee Presentation, p.19

*ref* *Ref Course - (same)*  
Regent Nikolay reported on a presentation made to the committee by Vice President Emeritus Reuben H. Lorenz, who chaired the Chancellor's Special Golf Course Planning Committee for UW-Madison. Indicating that much had been accomplished since his report at the March meeting, Mr. Lorenz said work was started approximately two weeks previously to clear three of the fairway areas, with a target date of August 1988 for completing the rest of this work. He estimated that, within approximately a year, the project should be ready for formal presentation to the Board of Regents as a gift in kind.

Report on Handicapped Accessible Facilities, p.19

In response to a question at the October meeting regarding the accessibility of UW System facilities to people with handicaps, a report was prepared for the committee which indicated that the UW System had been addressing this problem since 1973 and had spent more than \$12 million on various projects. As a result, over 84 percent of the system's 42 million square feet of space was either totally or partially accessible to the handicapped. The Department of Administration issued new guidelines in 1984 to be used when funds were requested from the Building Commission, and about one third of the system facilities had been resurveyed using these new guidelines. The report did not identify any significant problems that impaired the delivery of programs to persons with handicaps. Projects would continue to be advanced as identified.

Preliminary Discussion on Seed Farm Land

*operations*  
*new land?*  
Regent Nikolay reported that the committee was advised of preliminary discussions on exchanging UW-Madison Seed Farm land for equal value in a new

*ref* Seed Farm - (same)

*ref* Bldg & Land - (same)

seed handling facility built to UW System specifications at the Arlington Farm. The UW-Madison and College of Agricultural and Life Sciences wished to relocate the Seed Farm operation to Arlington, and this property exchange appeared to be an economical way to proceed. The specific details were being worked out, and it was expected that a recommendation would be developed for regent consideration at the December meeting.

*✓ Bldg + Land -* → Discussion regarding Leases *approval process for leases, p. 20*

Referring to the listing of leases in the Memos of Agreement section of Non-Personnel Actions, Regent Fish inquired as to the criteria for bringing leases through the Physical Planning and Development Committee for approval.

Vice President Brown replied that leases involving a commitment of more than \$100,000 would be brought to the Physical Planning and Development Committee and then to the board for action.

Regent Fish suggested that those leases listed in Memos of Agreement include the same kind of information as those over \$100,000: from whom the property was being leased; whether it was a renewal or a new lease; the amount being paid; and for renewal leases the amount previously paid.

Vice President Brown said that information would be provided.

Vice President Schilling complimented the Physical Planning and Development Committee on the efficiency with which the committee expeditiously dealt with complicated issues. The staff work and responses to questions were excellent.

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REPORT OF THE EDUCATION COMMITTEE

Chairman Grover presented the report of the committee.

Referring to the report at the October on UW-Oshkosh's reaccreditation, Regent Hanson pointed out that the North Central Association of Colleges and Schools gave the UW-Oshkosh very high marks, reflecting the excellent work being done by Chancellor Penson, his faculty and staff. Chancellor Penson merited a vote of great confidence and thanks, she stated, adding that the UW-Oshkosh self-study was adopted by the accreditation team as a model for use by other universities.

*Minutes -*  
*System*

President's Report and Recommendations on Minority Students, Faculty and Staff, pp 20-21 + EX B

Regent Grover reported that, at a portion of the committee meeting to which all regents were invited, President Shaw gave his annual report on minority students/staff and presented remarks entitled, "A Shared

Commitment: Minority Education." There would be hearings on the subject in several locations through the state, after which President Shaw would make recommendations to the board.

*Chancellor - Deferral of discussion on community membership 7)*

Chancellor Search and Screen Committees: Community Membership

All regents also were invited to the portion of the meeting at which President Shaw discussed his proposal to revise the composition of search and screen committees for chancellors to include one member external to the UW System. The president indicated that he wanted to obtain comments from other groups about the proposal and that he would present a recommendation early next year.

The Education Committee then voted to defer the matter.

*UW-Eau Claire - Staff Introduction 7)*

Report of the Vice President for Academic Affairs

Vice Chancellor Suzanne Fleming introduced to the committee Dr. William Dunlap, ~~the new Dean of Education at UW Eau Claire,~~ p. 21

Vice President Trani reported on his recent visits to 14 of the 15 institutions; the first five meetings of President Shaw's Select Committee on the Status of Minority Faculty and Staff; and the first meeting of the newly constituted Assessment and Advisory Council. His administrative associates, who had been appointed for 1988-89, also were introduced.

*Teacher Education 7)*

Report on Teacher Education Programs in the UW System, p. 21

The committee was given a report on teacher education programs in the UW System. Questions were asked about changes in programs and admissions standards since the "Benchmarks" report four years previously.

*Academic Programs 7)*

Regent Role in Five-Year Review, p. 21

Regent Grover reported that a number of committee members questioned their roles in the five-year review process. While the regents were much involved in approval of new programs, there seemed to be no easy means for involvement in decisions to curtail programs. The committee requested that all future five-year reviews include a summary of the original program proposal and any information from the minutes pertinent to the original program authorization.

✓ Academic Programs

➔ Five-Year Review: M.S., Environmental and Public Health, UW-Eau Claire, p. 22

The committee heard a report on the five-year review of the Master of Science Degree in Environmental and Public Health at UW-Eau Claire. The enrollments originally anticipated for the program had not materialized, and many modifications had been made to the curriculum. System administration requested a follow-up report to this review in 1990.

✓ X ref UW-Eau Claire - (same, except eliminate "UW-Eau Claire")

✓ Academic Programs - Five-Year Review: B.S., Human Services, UW-Oshkosh, p. 22

✓ X ref UW-Oshkosh - (same, except eliminate "UW-Oshkosh")  
A presentation on the five-year review of the BS in Human Services at UW-Oshkosh was made to the committee.

✓ Academic Staff

➔ Academic Staff Professional Development Grants for 1987-88, p. 22

The last of the 1987-88 Academic Staff Professional Development Grants were announced at the committee meeting.

✓ Financial Aid - Report on status of

➔ University of Wisconsin System Scholarship Program, pp 22-23

Regent Grover reported that the committee continued discussion on the proposed UW System scholarship program. Questions were raised as to whether such a program would be a wise use of scarce resources, and there were comments about effective ways to recognize and reward high academic performance. The subject was to be considered again at the December meeting.

✓ X ref Scholarships - (same)

In discussion at the board meeting, Regent Lyon expressed strong support for scholarships based on academic excellence, whether funded privately, publicly or in some combination. Stating his hope that the program could begin with 100 students and expand to 300 students over time, he observed that high quality students were the lifeblood of the university, with vigor and enthusiasm which both inspired faculty and created a desirable perception of the UW System.

In order to help keep top students in the state, he suggested that a merit scholarship program be accompanied by a formalized commitment, by Wisconsin-based businesses and public agencies, to provide intellectually stimulating and financially adequate internship programs. For many young men and women making an educational choice, he thought the promise of a stimulating work experience would be as attractive as an additional \$1000 or \$1500. Further, he felt such a program would advance the public/private partnership and give both private business and public agencies the opportunity to recruit the state's strongest intellects. This would help to keep top graduates in Wisconsin, without using retention incentives such as the rebates being tried by other states.

Noting that this year's Nobel Prize recipient in economics had been quoted as saying that the rate of technological progress did more to determine an industrial country's growth than the size of its labor force or its investment in capital assets, he remarked that if Wisconsin were to make a special investment in its talented young people, the effort should be to maximize the future benefit to all state citizens.

Regent Weinstein asked that Regent Lyon circulate copies of his thoughtful comments to the members of the board and that other regents also circulate their ideas and observations on the scholarship issue.

Regent Heckrodt noted that at one time tuition scholarships were awarded to outstanding Wisconsin students. He felt information as to why they had been discontinued could be helpful in building a stronger and more lasting program.

Regent Fish explained that the Legislature eliminated those scholarships at the same time they eliminated legislative tuition remissions for out-of-state students. Pointing out that every state-funded scholarship had the effect of increasing tuition for others, he suggested that the chairman of the Education Committee discuss with the president of the UW Foundation the potential for obtaining support from major estates for these scholarships. He thought it was the type of program in which the foundation and its donors might have a special interest.

Regent Davis stated that he remained concerned about the attitude that no significant monies were being devoted to merit scholarships. There were \$3 million a year in merit scholarships alone, in addition to which many need-based scholarships also went to meritorious scholars. The \$3 million in merit scholarships amounted to one-third of the amount being devoted to minority/disadvantaged programs.

Regent Hassett suggested that the Education Committee hold a special meeting on the scholarship issue before the December regent meetings.

✓ Authorizations to Recruit -

Authorization to Recruit Dean, College of Natural Resources, UW-Stevens Point, R 3932, p. 23

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

Resolution 3932: That, upon the recommendation of the Chancellor of the University of Wisconsin-Stevens Point and the President of the University of Wisconsin System, the Chancellor be authorized to recruit for a Dean, College of Natural Resources, University of Wisconsin-Stevens Point.

✓ Xref UW-Stevens Point - Staff - Authorization to recruit (same)

Professorships  
Named Professorship, UW-Madison

Regent Grover moved adoption of Resolution 3933, which had been approved by the Education Committee in closed session. The motion was seconded by Regent Hanson and unanimously adopted by the board.

Resolution 3933: ~~That, upon the recommendation of the Acting Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the status of Muttaiya Sundaralingam be changed from Professor, Department of Biochemistry, College of Agricultural and Life Sciences, to Steenbock Professor of Biomolecular Structure, Department of Biochemistry, College of Agricultural and Life Sciences, University of Wisconsin-Madison, effective immediately.~~  
R 3933, p. 24

Regent Weinstein asked the secretary to send a letter to Professor Sundaralingam, congratulating him on behalf of the board for receiving this prestigious honor.

REPORT OF THE BUSINESS AND FINANCE COMMITTEE

Chairman Lyon presented the committee's report.

Approval of Gifts, Grants, and Contracts

Acting Vice President Marnocha reported to the committee that gifts, grants and contracts for the four-month period ending October 16, 1987, totaled \$136.5 million--or \$6.7 million less than the same period last year. The non-federal share decreased \$1.7 million over a year ago. The federal share decreased \$5.0 million, the largest being a \$10.9 million decrease in student aid. The largest offsetting increase was \$6 million in research. Noting that the apparent decrease in federal receipts was due to timing of reports on receipts by the institutions, Regent Lyon said changes would be made to eliminate these timing discrepancies.

Resolution 3934, which was unanimously approved by the committee, was moved by Regent Lyon, seconded by Regent Nikolay and adopted unanimously by the board.

Resolution 3934: 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.



✓ Bequests - Acceptance of

Request of Ann L. Stevenson request, R 3935, p. 25

The committee unanimously approved acceptance of the Ann L. Stevenson bequest which would provide approximately \$225,000, to be applied to student scholarships in the UW-Madison School of Business.

✓ Stevenson, Ann L. - (same)

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

Resolution 3935: That the bequest of the late Ann L. Stevenson, Arlington, Wisconsin, be accepted by the Board of Regents of the University of Wisconsin System in accordance with the terms and conditions of the will; and that the Trust Officer or Assistant Trust Officers be authorized to sign receipts and do all things necessary to effect the transfer for the benefit of the University of Wisconsin-Madison.

(The will provides: "All the rest, residue and remainder of my property, real, personal and mixed and wherever situated, I give, devise and bequeath to the University of Wisconsin, Madison, Wisconsin, for the purpose of establishing scholarships as determined by the Board of Regents of the University of Wisconsin with no restrictions whatsoever, except that such scholarships shall be made available to any blood relative of mine or residents of the Village or Town of Arlington, Columbia County, Wisconsin, providing they meet the requirements of the committee administering the said scholarships.")

(Ann L. Stevenson received a BA degree in Business in 1932. The scholarships will be for UW-Madison School of Business students and administered by that school's Scholarship Committee. Approximate value is \$225,000.)

✓ Budget -

Implementation of Management Flexibility Gains from 1987-89

Regent Lyon summarized committee review of steps taken to implement the eight management flexibility gains secured in the 1987-89 biennial budget, pp 25-26

- (1) The Board of Regents was given authority to assign positions within the executive salary plan. No action was to be taken in that area until completion next May of the executive compensation study.
- (2) Position controls were eliminated for positions funded from gifts, grants and federal funds.
- (3) Regents were given authority to accept and expend federal funding without prior approval from the Governor.
- (4) Improvements were made in timing and processing auxiliary fee and reserve proposals for state approval.



- (5) The university was given authority to expend program revenue when received, except for auxiliary operations, academic student fees and hospital revenues, which constituted the major portion of those program revenues.
- (6) Authority was granted to carry over and expend academic student fees and federal indirect cost reimbursement funds without prior Department of Administration or legislative approval.
- (7) The statutory cash fund ceiling for program revenue was raised from \$3 million to \$3.5 million.
- (8) The statute prohibiting the regents from creating or closing a campus without legislative approval was repealed.

✓ UW Centers -

→ Annual Report on City and County Operating Budget Support for UW Centers p. 26

Chancellor Portch presented to the committee a summary of facility-related expenditures planned during 1987 by the cities and counties on behalf of the UW Centers. The facilities provided for the centers had a total insured value of \$99.8 million, with \$9.5 million of remaining debt. Debt obligations had been retired at four of the centers--Barron, Marathon, Marinette, and Richland. Collectively, the communities would spend \$2.5 million this year for insurance, repairs, improvements, and debt service. Major building additions had been completed during the past year at the Manitowoc and Waukesha Centers.

There was discussion on the history of the centers which clarified the agreement whereby the counties and cities provided the facilities, while the university provided funding for the instructional program. Chancellor Portch reported good working relationships with county and city governing bodies. It was noted that a space shortage could develop at the Fox Valley Center if the local school district reclaimed to accommodate rising enrollments the school building it currently was leasing to the Fox Valley Center.

In discussion at the board meeting, Regent Fish added that, while municipalities were responsible for maintenance of the real estate, the university was responsible for movable equipment and custodial services.

Report of the Vice President for Business and Finance

Committee Review of Future Agenda Items

The committee reviewed agenda items for the balance of the 1987-88 year. No major changes were made to the list that had been distributed.

✓ Financial Aid - → Report on Student Financial Aid, pp 26-27  
*and concerns*

Regent Lyon reported on this item which was discussed in view of recent statements by U.S. Education Secretary Bennett. Other than to certify

enrollment of students, universities did not participate in the GSL loan process. The Wisconsin Higher Education Corporation was responsible for billing and collection activities.

While default rates within the UW System did not appear to be excessive as compared to other institutions, steps were being taken to make improvements. The current budget included 21 new positions for financial aid management and consultation, which would help by providing counseling to freshman and sophomore students in their debt management load and in the obligations students incurred when executing such loans. Further, there would be efforts to improve the composition of financial aid packages by including for freshmen and sophomores more grant and work study funds and less GSL aid money.

In discussion at the board meeting, Regent Flores pointed out that the actions contemplated by the Department of Education would have a great impact on low-income people and on those schools that specifically recruited low-income students, who were a higher risk group for loan repayment. Noting that the default rate for UW-Madison was six percent, while the rate for Milwaukee Area Technical College was 42 percent, he expressed concern that some schools might be discouraged from working with low-income people.

Regent Lyon expressed the hope that such a result could be avoided by successfully refuting fallacies in the Department of Education's position. He explained that if any portion of an amount owed was over 120 days late, the total account was considered in default. In addition, the default rate did not take into account the amount in deficiency payments collected after it was placed in default. The percentages, therefore, were quite superficial in relation to the real issue.

Regent Weinstein observed that the definition of default was made more confusing because it was changed from time to time.

Regent Fish added that in the state loan program, any loan declared non-collectible was no longer considered in default, while that was not the case with guaranteed student loans.

It was noted by Regent Lyon that the current GSL approach to collection was to deduct amounts owed from income tax rebates.

President Shaw pointed out that there was considerable variation in default rates among system campuses, primarily related to the socio-economic status of the students who took out loans. While the program was originally established as a way for middle-class parents to help pay the cost of education, it evolved over the years into a replacement for need-based grant funds.

*Trust Funds -*

Update on Status of Trust Funds, pp 28-29

Vice Chairman Nicholas reported to the board on the impact on university trust funds of "Black Monday" and associated stock market instability. In the month of October, trust funds of the system were down 9.9 percent, which amounted to a loss on paper of \$11.5 million.

The principal fund was down 13.3 percent in the month of October, but the income fund was up 2.3 percent, since investors tended to sell stocks and buy bonds during that particular period. There continued to be \$79 million in the principal fund and \$26 million in the income fund. There were no cuts in dividends, interest on the bonds was being paid, and income production was being maintained. The loss was simply in fluctuation of market prices.

From the beginning of the calendar year to date, the principal fund was down 5.5 percent in total return, while the income fund was up 1.8 percent. In comparison, the S&P 500 in the month of October was down 22 percent, and the Dow Jones Industrial Average was down 23 percent. On October 19, the Dow Jones Industrial Average was down 508 points, a greater decline than in the 1929 crash.

No more than 55 percent of the principal fund could be invested in common stocks, a balance which was helpful in periods of decline and volatility. Noting that markets were now starting to stabilize, Regent Nicholas commented that many experts had been concerned for some time that stock prices were far too high. This, he felt, was a primary reason for what had occurred. It was the belief of the Business and Finance Committee that the trust funds were in good hands and that matters would proceed in a normal fashion from now on.

While it was understood that funds of the university were invested for the long term and not for trading on a daily basis, Regent Flores asked whether it would have been advisable to sell some of the stock, since experts agreed the market was over-valued and that some correction was bound to take place.

Regent Nicholas felt it was necessary to have complete confidence in investment counsel, as long as they carried out the program they had set forth. Although he did not believe the committee should interfere with their decisions, he did think it important to monitor them and ensure that they were proceeding as they said they would in terms of investment philosophy and approach.

In Regent Nicholas' view, the problem with selling stock would have been one of timing. Since it could not be predicted just when corrections would occur and how severe they would be, he considered it best to stay the course on a long-term basis. Emphasizing that the trust funds' long-term record was good, he noted that for the fiscal year the total return was 14.5 percent, which compared favorably with similar funds. For the last five years the principal fund account had been compounding at 17.9 percent.

Regent Fish added that the temptation was resisted to put more funds into equities when the market was up. Agreeing that timing was critical, he said that although he thought the market was over-priced a year and a half ago, stocks sold then would have been sold at about the level to which the market had now returned. He concurred that the portfolio was still in a very strong position, with funds carefully balanced.

Regent Davis asked if the regents reviewed the fund structure and policy on a scheduled basis.

Regent Weinstein replied that the Business and Finance Committee, which was charged with management of the trust funds, conducted such reviews on a regular basis. The policies under which they operated were approved by the board and had been revised recently.

While he agreed that managers should be allowed to function without intervention, Regent Davis felt the board had a responsibility to define the overall fund structure and the boundaries for equities versus fixed-income funds on the basis of historical expectations. A dynamically-allocated asset fund also could be adopted, he added, noting that many firms were choosing that direction, since such funds could be moved more quickly than funds with rigid guidelines.

Regent Fish felt the approved guidelines were responsive to Regent Davis' concerns, with the exception of what type of an advisor to select, which was determined by the Business and Finance Committee. The guidelines were reviewed on an ongoing basis.

Regent Nicholas added that the guidelines provided for holding no more than 55 percent in stocks, but they allowed holding a lower percent.

*Regent Committees - Personnel Grievance Committee - Report due 12/87, p. 29*

REPORT OF THE PERSONNEL GRIEVANCE COMMITTEE

Chairman Schilling reported that earlier in the morning the committee, consisting of Regents Hanson, Nicholas and himself, met with Secretary Temby and Senior Counsel Tallman on a request by a professor for the board to review his grievance. Mr. Tallman had done research on a difficult procedural issue, and the committee came to some conclusions as to how to handle the matter. It was expected that a report would be made at the December board meeting.

✓ Hanson, Cornelia - )

→ Condolences to Regent Hanson

*on the passing of her mother, p. 30*

On behalf of the board, President Weinstein extended deepest condolences to Regent Hanson, whose mother recently had passed away.

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UNFINISHED OR ADDITIONAL BUSINESS

✓ Legislative - Procedure for

→ Regent Review of Pending Legislation

*p. 30*

Noting that the regents received updates on, but generally did not discuss, pending legislation affecting the UW System, Regent Davis inquired as to the process by which the Board of Regents set forth its position on particular bills.

In reply, President Weinstein explained the process as follows: Because the number of bills passed was a small percentage of the number introduced, staff first determined whether the legislation was likely to move forward, since there was no point in discussing a bill which had little chance of passage. On the other hand, if it appeared that a piece of legislation would move forward, staff would represent the board's position if one had been taken, or would come to the board if there was no position of record. Third, if a piece of legislation looked as if it might move rapidly, the board could be asked to become actively involved. Periodic updates on all legislation affecting the UW System were presented for informational purposes. This procedure could be changed, he added, if a better way of handling such matters could be found.

Regent Nikolay noted that regents were not precluded from taking individual positions on legislation and expressing their own views to legislators.

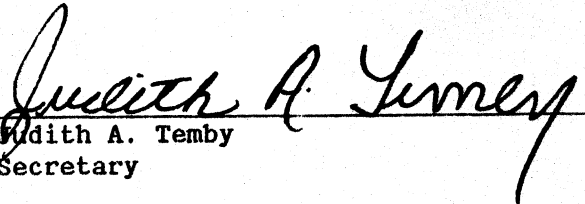
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At 11:10 a.m., the following resolution, moved by Regent Schenian, and seconded by Regent Vattendahl, was unanimously adopted on a roll call vote, with Regents Davis, Fish, Flores, Gerrard, Hanson, Hassett, Heckrodt, Lyon, Nicholas, Nikolay, Schenian, Schilling, Vattendahl and Weinstein voting "Aye" (14), and no regents voting "No."

Resolution 3936: That the Board of Regents recess into closed session to consider personnel matters, as permitted by s. 19.85(1)(c), *Wis. Stats.*, and to confer with legal counsel, as permitted by s. 19.85(1)(g), *Wis. Stats.*

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The board arose from closed session at 12:35 p.m. There were no announcements.

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The meeting was adjourned at 12:35 p.m.

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

December 4, 1987

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - MADISON

## EXTENSION AND PUBLIC SERVICE

1. WISCONSIN HUMANITIES COMMITTEE  
MADISON, WI  
PRIME CONTRACTOR WITH NEH  
ALDO LEOPOLD COMMEMORATIVE BROADSIDE  
FOR THE PERIOD 08-01-87 THROUGH 10-31-87  
AWARD # FY87-15P  
MSN LIBR ADMINISTRATION S B PRESS (144-AA48) 1,000.00
2. SMALL BUSINESS ADMIN  
CHICAGO, IL  
SMALL BUSINESS INSTITUTE  
FOR THE PERIOD 01-01-87 THROUGH 12-31-87  
AWARD # SBA-2597-BD-87  
MSN BUS MANAGMENT INSTIT SM BUS DVL (144-AA32) 14,000.00
3. TENNESSEE VALLEY AUTHORITY  
MUSCLE SHOALS, AL  
FERTILIZER TESTS AND DEMONSTRATIONS  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # TV-60555  
MSN AG&LSC SOIL SCIENCE (144-AA49) 12,300.00
4. REYNOLDS (R J) TOBACCO COMPANY  
WINSTON-SALEM, NC  
SUPPORT TOBACCO EXTENSION PROGRAMS  
MSN AG&LSC HORTICULTURE (133-F949) 2,000.00

## GIFT-IN-KIND

1. MCBURNEY RESOURCE CENTER  
MADISON, WI  
TWO VANTAGE CCTV MAGNIFYING SYSTEMS, TEN FOUR-  
TRACK RECORDERS, TEN CASES, TEN MICROPHONES, AND  
TEN UNDER-CHIN HEADPHONES  
MSN G E A DEAN OF STUDENTS PR DISABLD
2. MCBURNEY RESOURCE CENTER  
MADISON, WI  
TEN FOUR-TRACK TAPE RECORDERS AND CASES  
MSN G E A DEAN OF STUDENTS PR DISABLD
3. ORVILLE K. LARSON  
APPLETON, WI  
ONE BOOK ENTITLED " THE THEATRICAL WRITINGS OF  
FABRIZIO CARINI MOTTA ", WRITTEN BY THE DONOR.  
MSN LIBR HUMANITIES& ARTS ART LIB
4. THEODORE T. KOZLOWSKI  
SANTA BARBARA, CA  
THREE BOOKS: ONE EACH ON CHINESE PORCELAIN, THE  
LOUVRE, AND GELGIUM.  
MSN LIBR HUMANITIES& ARTS ART LIB
5. PFIZER, INC.  
NEW YORK, NY  
48 X 100ML PROCAINE PENICILLIN G  
96 X 250ML PROCAINE PENICILLIN G  
6 X 100 OXYTETRACYCLINE 100MG/ML  
MSN VET M VMTH-CENTRAL PHARMACY

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MADISON

## GIFT-IN-KIND

6. FRED BAKER  
NEW YORK, NY  
FIFTEEN ITEMS TO DEPT. OF RARE BOOKS  
MSN LIBR GEN OPERATIONS LIB ACQSTN
7. U.W.-STUDENT ACADEMY OF PHYSICIAN ASSISTANTS  
MADISON, WI  
MEDICAL EQUIPMENT: DIAGNOSTIC SET; (2) TAPE  
MEASURES, (2) HAMMERS; (2) TUNING FORKS; (2) BLOOD  
PRESSURE KITS; (2) STETHESCOPIES  
MSN HS-A H PHYS ASST PROG
8. BRUCE MARION  
MADISON, WI  
ARTWORK - 15 PRINTS BY DAVID A. MAASS AND 2 BY  
OWEN J. GROMME AND ONE BY GARY SORRELS  
MSN AG&LSC N R-RSRC POLICY
9. FREDERIC G. CASSIDY  
MADISON, WI  
13 TITLES FOR THE DEPARTMENT OF RARE BOOKS  
MSN LIBR GEN OPERATIONS LIB ACQSTN
10. MR. DAVID B. URBEN  
PEORIA, IL  
SIX TITLES FOR THE RARE BOOK DEPARTMENT  
MSN LIBR GEN OPERATIONS LIB ACQSTN
11. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
SOFA  
MSN AG&LSC BIOCHEMISTRY
12. IBM-ACADEMIC INFORMATION SYSTEM  
CHICAGO, IL  
IBM EQUIPMENT 6150-0001944; 6150-0001945; 4201-  
2636387; 4201-2636388; 6155-0000802; 6155-0000842  
5798 DRG TCP/IP SOFTWARE QTY(1); 5799 CGZ ACADEMIC  
INFORMATION 4.2 QTY (2)  
MSN L&S COMPUTER SCI
13. PEGGY D. NIELSON  
INDIANAPOLIS, IN  
ONE BOOK, ENTITLED " AS I REMEMBER UNCLE JOHN ".  
MSN LIBR HUMANITIES& ARTS ART LIB

## INSTRUCTION

1. EDUCATION, DEPT OF  
WASHINGTON, DC  
ELDERLY LONG TERM CARE/HEALTH LAW AND THE ELDERLY  
FOR THE PERIOD 08-25-87 THROUGH 08-24-88  
AWARD # GO08710648  
MSN LAW LAW SCHOOL (144-AA03) 45,684.00



GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

- |    |  |            |            |
|----|--|------------|------------|
| 2. | DHHS, PHS, HEALTH RESOURCES AND SERVICES ADMIN<br>ROCKVILLE, MD<br>GRADUATE TRAINING IN CHILD-ADOLESCENT NURSING<br>(REDUCTION TO REFLECT UNOBLIGATED BALANCE<br>FROM PRIOR BUDGET PERIOD)<br>FOR THE PERIOD 07-01-87 THROUGH 06-30-88<br>AT A TOTAL COST OF \$161,682.00<br>AWARD # MCJ-009052-04-0, MOD. 1<br>MSN HS-NUR | (144-Z498) | 17,838.00- |
| 3. | DHHS, PHS, NATIONAL INSTITUTES OF HEALTH<br>BETHESDA, MD<br>IN SUPPORT OF THE FOLLOWING:   |            |            |
| 1) | PREDOCTORAL TRAINING IN EXPERIMENTAL ONCOLOGY<br>FOR THE PERIOD 07-01-87 THROUGH 06-30-88<br>AT A TOTAL COST OF \$541,180.00<br>AWARD # 5 T32 CA09135-13, MOD. 1<br>MSN HS-MED ONCOLOGY  | (144-Z397) | 80,856.00  |
| 2) | POSTDOCTORAL TRAINING IN TUMOR BIOLOGY<br>FOR THE PERIOD 09-01-87 THROUGH 08-31-88<br>AT A TOTAL COST OF \$146,984.00<br>AWARD # 5 T32 CA09230-12, MOD. 1<br>MSN HS-MED ONCOLOGY   | (144-Z850) | 27,872.00  |
| 3) | PULMONARY PHYSIOLOGY AND PATHOPHYSIOLOGY<br>FOR THE PERIOD 09-01-87 THROUGH 08-31-88<br>AWARD # 1 T32 HLO7654-01<br>MSN HS-MED PREVENTIVE MED  | (144-Z922) | 104,387.00 |
| 4. | WI DEPT OF TRANSPORTATION<br>MADISON, WI<br>PRIME CONTRACTOR WITH TRANS<br>TRANSYT-7F TRAINING<br>FOR THE PERIOD 10-05-87 THROUGH 10-04-88<br>AWARD # 99-88-00-08-070-060<br>MSN ENGR CIVIL & ENV ENGR   | (144-AA57) | 21,665.00  |
| 5. | C.D.O. UNIVERSITY PEDIATRIC ASSOCIATES<br>MADISON, WI<br>INSTRUCTION AND TRAINING OF HOUSE STAFF PHYSICIANS<br>AT THE UNIVERSITY OF WISCONSIN MEDICAL CENTER<br>MSN HS-MED PEDIATRICS  | (133-C437) | 1,500.00   |
| 6. | UNIVERSITY OF WISCONSIN FOUNDATION<br>MADISON, WI<br>GM FACULTY PROFESSIONAL DEVELOPMENT GRANT<br>MSN ENGR OPERATIONS  | (133-K197) | 15,000.00  |
| 7. | WISCONSIN NEWSPAPER COMMITTEE<br>NEWSPAPERS IN EDUCATION<br>MILWAUKEE, WI<br>PRESS IN THE SCHOOL CURRICULUM WORKSHOP<br>FOR THE PERIOD 06-15-87 THRU 06-26-87<br>MSN EDUC CURRIC & INSTR   | (133-L689) | 326.25     |

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MADISON

## INSTRUCTION

8. MULTIPLE DONORS  
SUPPORT OF THE INSTRUCTIONAL MEDIA CENTER  
MSN EDUC INSTR MATER CTR (133-M183) 50.00

## LIBRARIES

1. MULTIPLE DONORS  
FRIENDS OF THE STEENBOCK LIBRARY  
MSN LIBR STEENBOCK AG LIB (133-E402) 63.00

2. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
PURCHASE OF LIBRARY MATERIALS AND SUPPLIES  
MSN LIBR GEN OPERATIONS SUPP & EQ (133-F543) 2,000.00

3. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
DEFRAY COST OF ACQUIRING BOOKS FOR A GRADUATE  
READING ROOM IN POLITICAL SCIENCE  
MSN GRAD L&S POL SCI (133-7326) 800.00

## MISCELLANEOUS

1. FIRST WISCONSIN-MADISON  
MADISON, WI  
SCHORGER, A.W. TRUST  
SCHORGER, A.W.--WILDLIFE ECOLOGY  
MSN AG&LSC N R-WILDLIF ECOL ( TRUST ) 8,697.26

2. SMITH BARNEY  
PROC SALE OF SHARES REC'D IN ESTATE  
LOVE, GEORGE R. AND ELAINE--MEDICAL FACULTY  
ENDOWMENT FUND  
MSN HS-MED ( TRUST ) 1,770.41

3. AGENCY FOR INTERNATIONAL DEVELOPMENT  
WASHINGTON, DC  
PROGRAM SUPPORT GRANT  
FOR THE PERIOD 04-01-86 THROUGH 06-30-88  
AT A TOTAL COST OF \$343,784.00  
AWARD # DAN-5058-G-SS-6052-00, MOD. 1  
MSN AG&LSC INTL AG PRGS-ADM (144-X941) 150,784.00

4. EDUCATION, DEPT OF  
WASHINGTON, DC  
DRUG FREE SCHOOLS AND COMMUNITIES PROGRAM  
A COMPUTER BASED TEACHER INSERVICE  
DEMONSTRATION PROJECT  
FOR THE PERIOD 11-01-87 THROUGH 10-31-89  
AWARD # GO08720255  
MSN ENGR ENGR EXPER STA HLTH SYS'S (144-AA74) 225,672.00

5. JET PROPULSION LABORATORY  
PASADENA, CA  
PRIME CONTRACTOR WITH NASA  
WIDE FIELD CAMERA FILTERS  
FOR THE PERIOD 10-12-87 THROUGH 11-16-87  
AWARD # P.O. #RA-857874  
MSN L&S SPACE ASTRON LAB (144-AA82) 6,940.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

- |     |   |            |
|-----|---|------------|
| 6.  | U S INFORMATION AGENCY<br>WASHINGTON, DC<br>AFFILIATION WITH UNIVERSITY OF DAR ES SALAAM<br>FOR THE PERIOD 09-01-87 THROUGH 08-31-90<br>AWARD # IA-ASJL-G7193019<br>MSN L&S AFRIC LANG & LIT AFR L&A CT (144-Z813)    | 48,098.00  |
| 7.  | VETERANS ADMIN<br>MADISON, WI<br>IN SUPPORT OF THE FOLLOWING:   |            |
| 1)  | SPECIALIZED MEDICAL RESOURCES-RADIOLOGICAL<br>SERVICES<br>FOR THE PERIOD 10-01-87 THROUGH 09-30-88<br>AWARD # V607P-1360<br>MSN HS-MED RADIOLOGY (144-AA29)   | 157,958.00 |
| 2)  | RADIOTHERAPY SERVICES<br>FOR THE PERIOD 10-01-87 THROUGH 09-30-88<br>AWARD # V607P-1361<br>MSN HS-MED HUMAN ONCOLOGY RAD THERAP (144-AA40)  | 85,300.00  |
| 8.  | UNIVERSITY OF WISCONSIN FOUNDATION<br>MADISON, WI<br>DEPARTMENT OF ANATOMY CHAIRMAN'S DISCRETIONARY<br>FUND<br>MSN HS-MED ANATOMY (133-A377)  | 802.00     |
| 9.  | 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) | 1,000.00   |
| 10. | 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)  | 21,795.00  |
| 11. | DAIRY AND FOOD INDUSTRIES SUPPLY ASSOC.<br>ROCKVILLE, MD<br>COLLEGIATE DAIRY PRODUCTS JUDGING TEAM SUPPORT<br>MSN AG&LSC FOOD SCIENCE (133-B181)  | 500.00     |
| 12. | UNIVERSITY OF WISCONSIN FOUNDATION<br>MADISON, WI<br>MECHANICAL ENGINEERING UNRESTRICTED GRANT<br>MSN ENGR MECHANICAL ENGR (133-B430)   | 15,000.00  |
| 13. | UNIVERSITY RADIATION ONCOLOGY ASSOCIATES<br>MADISON, WI<br>CLERICAL PERSONNEL SUPPORT<br>MSN HS-MED HUMAN ONCOLOGY RAD THERAP (133-C796)  | 10,000.00  |

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

14.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GENERAL MOTORS UNRESTRICTED GRANT FOR COLLEGE OF ENGINEERING MSN ENGR OPERATIONS	(133-D136)	1,000.00
15.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ARTS OUTREACH MSN OUT DE P SV-ARTS	(133-D560)	10,000.00
16.	MULTIPLE DONORS DISCRETIONARY FUND IN THE DEPARTMENT OF NEUROLOGY MSN GRAD WAISMAN CENTER	(133-E354)	260.00
17.	C.D.O. UNIVERSITY ONCOLOGY ASSOCIATES MADISON, WI SUPPORT ADMINISTRATIVE AND CLERICAL SUPPORT STAFF IN THE DEPARTMENT OF HUMAN ONCOLOGY MSN HS-MED HUMAN ONCOLOGY	(133-E649)	3,500.00
18.	UNIVERSITY HOSPITAL INTERNISTS MADISON, WI UNIVERSITY HOSPITAL INTERNISTS' PROGRAM SUPPORT MSN HS-MED MEDICINE	(133-F102)	315,221.59
19.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU	(133-F665)	1,300.00
20.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU	(133-F666)	1,300.00
21.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU	(133-F667)	1,300.00
22.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU	(133-F668)	1,300.00
23.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU	(133-F669)	1,000.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

24.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIRECTOR'S DISCRETIONARY FUND MSN L&S ELVJM MUSEUM ART	(133-G348)	5,000.00
25.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI COLLEGE OF ENGINEERING PROGRAM SUPPORT MSN ENGR OPERATIONS	(133-G622)	1,500.00
26.	AMERICAN INSTITUTE OF THE HISTORY OF PHARMACY ADA, OH HISTORY OF PHARMACY PROGRAM MSN HS-PHR PHARMACY	(133-G642)	165.00
27.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DISABLED PERSONS ON CAMPUS FUND MSN G E A DEAN OF STUDENTS PR DISABLD	(133-G743)	800.00
28.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI WCCC/DHO PUBLIC AWARENESS PROGRAM MSN HS-MED HUMAN ONCOLOGY	(133-G744)	5,000.00
29.	MIDWEST UNIVERSITIES CONSORTIUM FOR INTERNATIONAL ACTIVITIES COLUMBUS, OH INTERNATIONAL TRAVEL AND RELATED ACTIVITIES FOR THE PERIOD 06-24-82 THRU 08-31-88 AT A \$29,000 LEVEL AWARD # AF1017 MSN G E A INTL STU & PROGS	(133-G801)	8,000.00
30.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHAIRMAN'S DISCRETIONARY FUND MSN L&S METEOROLOGY	(133-G869)	1,615.00
31.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UNRESTRICTED GRANT IN THE DEPARTMENT OF CHEMISTRY MSN L&S CHEMISTRY	(133-G952)	2,900.00
32.	WISCONSIN SOCIETY FOR JEWISH LEARNING, INC. MILWAUKEE, WI RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF HEBREW AND SEMITIC STUDIES MSN L&S HEBREW & SEM STU	(133-H602)	1,300.00
33.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ALUMNI CENSUS MSN AC SVC OFF OF REGISTRAR ADMIN	(133-H968)	17,500.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

34.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S DISCRETIONARY ACCOUNT - ACCOUNTING MSN BUS SCH OF BUSINESS (133-J186)	500.00
35.	DEAN'S DISCRETIONARY ACCOUNT - MARKETING MSN BUS SCH OF BUSINESS (133-J188)	
	1,000.00 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI	
	500.00 DATAAGE SOLUTIONS, INC MADISON, WI	
		1,500.00
36.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S DISCRETIONARY ACCOUNT-RISK & INSURANCE MSN BUS SCH OF BUSINESS (133-J620)	10,000.00
37.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CLINICAL GENETICS PROGRAM DISCRETIONARY FUND MSN HS-MED GENET CLIN PROG (133-J734)	4,000.00
38.	NATIONAL ASSOCIATION OF PROFESSORS OF HEBREW MADISON, WI SECRETARY/TREASURER ASSOCIATION EXPENSES MSN L&S HEBREW & SEM STU (133-J775)	1,000.00
39.	MATHEMATICAL PROGRAMMING SOCIETY, INC. ROCKY HILL, NJ COMMITTEE ON ALGORITHMS (COAL) NEWSLETTER MSN L&S COMPUTER SCI (133-J826)	1,000.00
40.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MEDICAL PHYSICS DISCRETIONARY FUND MSN HS-MED MEDICAL PHYSICS (133-J847)	3,000.00
41.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FACULTY RECRUITING AND MOVING EXPENSES MSN HS-MED (133-K243)	2,302.50
42.	DISCRETIONARY ACCOUNT FOR LANDSCAPE DESIGN MSN AG&LSC NR-LANDSCAP ARCH (133-K394)	
	1,700.00 FCM CORPORATION MADISON, WI	
	50.00 MULTIPLE DONORS	
	500.00 JOHN GALLAGHER COMPANY, INC. MADISON, WI	
		2,250.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MADISON

## MISCELLANEOUS

43.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI BIODYNAMICS LABORATORY EQUIPMENT AND SUPPLY FUND MSN EDUC PHYS ED & DANCE BIODYN LAB (133-K748)	3,000.00
44.	UNIVERSITY OPHTHALMOLOGY ASSOCIATES MADISON, WI OPHTHALMOLOGY CLINICAL PRACTICE EXPENSES MSN HS-MED OPHTHALMOLOGY (133-L414)	6,143.99
45.	CHEVRON CHEMICAL CO. RICHMOND, CA FLORICULTURE RESEARCH MSN AG&LSC HORTICULTURE (133-L839)	3,000.00
46.	WISCONSIN ARTS BOARD MADISON, WI MELROSE MOTION COMPANY-TOUR OF WISCONSIN 1987-88 FOR THE PERIOD 07-01-87 THRU 06-30-88 AWARD # 178-8310 MSN EDUC PHYS ED & DANCE PHYS EDUC (133-M142)	4,500.00
47.	MULTIPLE DONORS RESIDENT BOOK FUND MSN HS-MED SURGERY OTOLARYN (133-M176)	50.00
48.	WISCONSIN INSTITUTE OF FAMILY MEDICINE MADISON, WI WISCONSIN RESEARCH NETWORK MEETING MSN HS-MED FAM MED & PRACT PRE-DOCTRL (133-M190)	2,000.00
49.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FACULTY DEVELOPMENT FUND MSN FR&CS FAM RSRC&CNSM SC ADMIN (133-M193)	4,000.00
50.	SCHOOL OF BUSINESS DEAN'S DISCRETIONARY GRANT MSN BUS SCH OF BUSINESS (133-0179)	
	3,000.00 STATE FARM COMPANIES FOUNDATION BLOOMINGTON, IL	
	1,000.00 DOW JONES & CO PRINCETON, NJ	
	15,437.33 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI	19,437.33
51.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LAW SCHOOL DEAN'S UNRESTRICTED FUND MSN LAW LAW SCHOOL (133-2128)	7,825.32
52.	CONSORTIUM FOR GRADUATE STUDY IN MANAGEMENT MSN BUS SCH OF BUSINESS (133-5984)	
	50.00 MULTIPLE DONORS	
	325.00 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI	375.00



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## MISCELLANEOUS

53.	MULTIPLE DONORS UNRESTRICTED SUPPORT OF RADIOTHERAPY PROGRAMS MSN HS-MED HUMAN ONCOLOGY (133-6225)	25.00
54.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI COLLEGE OF ENGINEERING DEAN'S DISCRETIONARY FUND MSN ENGR OPERATIONS (133-6370)	3,000.00
55.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING UNRESTRICTED GRANT MSN ENGR ELEC & COM ENGR ELEC&COMP (133-6718)	2,500.00
56.	UNIVERSITY OPHTHALMOLOGY ASSOCIATES MADISON, WI SUPPORT ACTIVITIES OF THE DEPARTMENT OF OPHTHALMOLOGY MSN HS-MED OPHTHALMOLOGY (133-6979)	11,742.49
57.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UNRESTRICTED USE OF THE DEPARTMENT OF ZOOLOGY IN CONNECTION WITH TEACHING AND RESEARCH IN BIOLOGY MSN L&S ZOOLOGY (133-6997)	337.50
58.	MULTIPLE DONORS LONGENECKER HORTICULTURAL AREAS DEVELOPMENT FUND MSN ARBOR ARBORETUM (133-7854)	79.00
59.	SENSORY AND CHEMICAL PROPERTIES OF FOOD FLAVORS MSN AG&LSC FOOD SCIENCE (133-8343)	
	613.80 MULTIPLE DONORS 700.00 ROCKY ROCOCO ACCOUNTS MADISON, WI	
		1,313.80
60.	MULTIPLE DONORS ENVIRONMENTAL AWARENESS CENTER DEVELOPMENT FUND MSN AG&LSC N R-ENVIR AWARE (133-8925)	30.00
61.	WISCONSIN RURAL REHABILITATION CORPORATION MADISON, WI SUPPORT FAMILY PHYSICIANS RESIDENCIES AT RURAL CLINICS MSN HS-MED FAM MED & PRACT (133-9582)	13,333.64

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## PHYSICAL PLANT

1. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH  
BETHESDA, MD  
VISION RESEARCH FACILITY  
FOR THE PERIOD 09-30-87 THROUGH 12-31-91  
AWARD # 1 CO6 EYO7455-01  
MSN HS-MED OPHTHALMOLOGY (144-AA77) 500,000.00
2. MEMORIAL UNION BUILDING ASSOCIATION  
MADISON, WI  
LAKE SAFETY TOWER  
MSN UNION GENERAL (133-K013) 35,000.00

## RESEARCH

1. TRITON BIOSCIENCES  
ALAMEDA, CA  
TRANSFORMING GROWTH FACTOR  
MSN HS-MED HUMAN ONCOLOGY IMMUNOLOGY
2. EARNINGS ON SHARES REC'D IN ESTATE  
PHANEUF, DUANE--MEDICAL RESEARCH  
MSN HS-MED ( TRUST ) 353.33
3. MULTIPLE DONORS  
COLLINS, HORACE--LEUKEMIA RESEARCH  
MSN HS-MED MEDICINE HEMATOLOGY ( TRUST ) 45.00
4. NORWEST BANK MINNEAPOLIS  
MINNEAPOLIS, MN  
LYNUM, EDITH H. TRUST  
LYNUM, EDITH H.--MEDICAL RESEARCH FUND  
MSN HS-MED ( TRUST ) 4,378.76
5. MULTIPLE DONORS  
CLINICAL ONCOLOGY--DISCRETIONARY FUND  
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL ( TRUST ) 50.00
6. TROY, MARY M. ESTATE  
MAUSTON, WI  
CURRON, CHARLES P.  
MCARDLE LABORATORY FOR CANCER RESEARCH--  
DISCRETIONARY FUND  
MSN HS-MED ONCOLOGY ( TRUST ) 51.77
7. MULTIPLE DONORS  
WISCONSIN CLINICAL CANCER CENTER--RESEARCH  
MSN HS-MED HUMAN ONCOLOGY ( TRUST ) 195.00
8. AGRICULTURE, DEPT. OF  
AMES, IA  
RELATIONSHIPS OF BRUCELLA ABORTUS LIPID A TO  
CELLULAR IMMUNE RESPONSE MECHANISMS  
FOR THE PERIOD 10-01-85 THROUGH 09-30-88  
AT A TOTAL COST OF \$195,000.00  
AWARD # 58-6125-6-1, MOD. 3  
MSN AG&LSC VETERINARY SCI (144-X439) 65,000.00

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9. AGRICULTURE, DEPT. OF  
MINNEAPOLIS, MN  
IN SUPPORT OF THE FOLLOWING:
- 1) SUPPORT OF AGRICULTURAL RESEARCH OF MUTUAL INTEREST  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # 58-5114-7-2003, MOD. 2  
MSN AG&LSC U S DAIRY FORAGE (144-AA04) 957,300.00
  - 2) PATHOLOGICAL SUPPORT SERVICES TO THE INTER-REGIONAL POTATO INTRODUCTION  
FOR THE PERIOD 09-15-83 THROUGH 09-30-88  
AT A TOTAL COST OF \$159,261.00  
AWARD # 58-519B-3-1250, MOD. 5  
MSN AG&LSC PLANT PATHOLOGY (144-T833) 37,497.00
  - 3) SUPPORT OF AGRICULTURAL RESEARCH OF MUTUAL INTEREST  
(FY 87 RESIDUAL FUNDS RETURNED TO AGENCY)  
FOR THE PERIOD 10-01-86 THROUGH 09-30-87  
AT A TOTAL COST OF \$1,115,534.00  
AWARD # 58-5759-7-7004, MOD. 2  
MSN AG&LSC RESEARCH DIV (144-Y574) 229,766.00-
10. AGRIC. FOREST SERVICE  
MADISON, WI  
IN SUPPORT OF THE FOLLOWING:
- 1) ADVANCED ANALYSIS TECHNIQUES FOR WOOD TRUSSES  
FOR THE PERIOD 05-05-87 THROUGH 12-31-87  
AWARD # FP-87-0936  
MSN ENGR CIVIL & ENV ENGR (144-AA42) 11,400.00
  - 2) A TENSILE STRENGTH PREDICTION MODEL FOR LUMBER MEMBERS  
FOR THE PERIOD 01-02-85 THROUGH 12-31-87  
AT A TOTAL COST OF \$51,450.00  
AWARD # FP-85-0693, MOD. 1  
MSN ENGR CIVIL & ENV ENGR (144-W295) 2,230.00
  - 3) EFFECTS OF TECHNOLOGICAL CHANGES ON WOOD USE IN THE U S PULP AND PAPER INDUSTRY  
FOR THE PERIOD 06-01-87 THROUGH 12-31-87  
AT A TOTAL COST OF \$16,175.00  
AWARD # FP-87-0957, MOD. 1  
MSN AG&LSC N RSRCS-FORESTRY (144-Z376) 9,675.00
11. AGENCY FOR INTERNATIONAL DEVELOPMENT  
WASHINGTON, DC  
REVIEW AND ANALYZE THE LAND TENURE STRUCTURE ON THE CARIBBEAN ISLANDS OF ST. KITTS AND ANTIGUA  
FOR THE PERIOD 09-01-87 THROUGH 08-31-88  
AWARD # 538-0000-C-00-7125-00  
MSN AG&LSC LAND TENURE CTR (144-AA30) 77,000.00

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12. EGYPTIAN CULTURAL & EDUCATIONAL BUREAU  
WASHINGTON, DC  
PRIME CONTRACTOR WITH AID  
EGYPTIAN PEACE FELLOW  
FOR THE PERIOD 06-21-87 THROUGH 12-20-87  
AWARD # PF-2390  
MSN AG&LSC FOOD SCIENCE (144-AA44) 2,000.00
13. EGYPTIAN CULTURAL & EDUCATIONAL BUREAU  
WASHINGTON, DC  
PRIME CONTRACTOR WITH AID  
EGYPTIAN PEACE FELLOW  
FOR THE PERIOD 07-08-87 THROUGH 01-07-88  
AWARD # PF-2463  
MSN AG&LSC FOOD SCIENCE (144-AA45) 2,050.00
14. ROBERT R. NATHAN, INC  
WASHINGTON, DC  
PRIME CONTRACTOR WITH AID  
ZAMBIA AGRICULTURAL TRAINING, PLANNING AND  
INSTITUTIONAL DEVELOPMENT PROJECT  
FOR THE PERIOD 07-01-87 THROUGH 06-30-88  
AWARD # 0842-E  
MSN AG&LSC INTL AG PRGS-ADM (144-Z322) 615,000.00
15. COMM, NATIONAL OCEANIC & ATMOSPHERIC ADM  
BOULDER, CO  
NATIONAL SEVERE STORMS LABORATORY FOR COOPERATIVE  
RESEARCH USING THE MCIDAS INTERACTIVE  
METEOROLOGICAL FACILITY  
FOR THE PERIOD 07-01-87 THROUGH 06-30-88  
AWARD # 50RANR70060  
MSN GRAD SPACE SCI&ENG CT (144-AA59) 58,200.00
16. COMM, NATIONAL OCEANIC & ATMOSPHERIC ADM  
ROCKVILLE, MD  
SUPPORT TO A NOAA OPERATIONAL VAS ASSESSMENT  
EFFORT  
FOR THE PERIOD 05-01-84 THROUGH 09-30-88  
AT A TOTAL COST OF \$3,858,195.00  
AWARD # NA-84-DGC-00155, MOD. 10  
MSN GRAD SPACE SCI&ENG CT (144-U387) 99,000.00
17. EDUCATION, DEPT OF  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:
- 1) RESEARCH AND DEVELOPMENT CENTER PROGRAM -  
NATIONAL CENTER FOR RESEARCH IN MATHEMATICAL  
SCIENCE EDUCATION  
(INSTITUTIONAL FUNCTIONS)  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # G008720279  
MSN EDUC WIS CTR EDUC RES (144-AA50) 205,263.00

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- 2) RESEARCH AND DEVELOPMENT CENTER PROGRAM -  
NATIONAL CENTER FOR RESEARCH IN MATHEMATICAL  
SCIENCE EDUCATION  
(INSTRUCTION/LEARNING)  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # GO08720279  
MSN EDUC WIS CTR EDUC RES (144-AA51) 158,340.00
- 3) RESEARCH AND DEVELOPMENT CENTER PROGRAM -  
NATIONAL CENTER FOR RESEARCH IN MATHEMATICAL  
SCIENCE EDUCATION  
(CURRICULUM/ASSESSMENT)  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # GO08720279  
MSN EDUC WIS CTR EDUC RES (144-AA52) 136,397.00
- 4) TECHNOLOGY, EDUCATION MEDIA AND MATERIALS FOR  
THE HANDICAPPED  
FOR THE PERIOD 10-01-87 THROUGH 03-31-89  
AWARD # GO08730317  
MSN GRAD WAISMAN CENTER (144-AA70) 133,978.00
- 5) HEA II-C LIBRARY RESEARCH & DEMONSTRATION  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # GO08720322  
MSN L&S LIB&INF ST (144-AA76) 52,969.00
- 6) PATRICIA ROBERTS HARRIS FELLOWSHIP PROGRAM  
FOR THE PERIOD 09-01-87 THROUGH 08-31-88  
AWARD # GO08715414  
MSN GRAD (144-Z861) 141,900.00
- 7) FIELD INITIATED RESEARCH - DISUSE OSTEOPOROSIS  
IN SPINAL CORD INJURED PATIENTS  
FOR THE PERIOD 09-01-87 THROUGH 08-31-88  
AWARD # GO08720124  
MSN HS-MED REHABIL MEDICINE (144-Z987) 67,214.00
18. WI DEPT OF HEALTH & SOCIAL SERVICES  
MADISON, WI  
PRIME CONTRACTOR WITH DHHS OHDS  
ADULT LIFE PROJECT  
FOR THE PERIOD 09-01-87 THROUGH 06-30-88  
AWARD # P.O. #FDH65324 PD  
MSN GRAD WAISMAN CENTER (144-AA65) 8,000.00
19. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM  
ROCKVILLE, MD  
IN SUPPORT OF THE FOLLOWING:
- 1) A STUDY OF HOSPITAL OWNERSHIP TYPES:  
TRENDS AND BEHAVIOR  
FOR THE PERIOD 09-30-87 THROUGH 08-31-88  
AWARD # 1 R29 MH43027-01  
MSN L&S ECONOMICS (144-AA69) 80,755.00

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- 2) PSYCHOSOCIAL RISK FACTORS FOR DEPRESSION  
(REDUCTION TO REFLECT EARLY TERMINATION  
OF GRANT)  
FOR THE PERIOD 03-01-87 THROUGH 06-30-87  
AT A TOTAL COST OF \$18,874.00  
AWARD # 5 R23 MH41287-02, MOD. 1  
MSN GRAD INST-AGING&ADULT (144-Y934) 34,320.00-
20. DHHS, PHS, CENTER FOR DISEASE CONTROL  
ATLANTA, GA  
EVALUATION OF DIABETIC EYE CARE SCREENING  
PROGRAMS  
FOR THE PERIOD 06-26-86 THROUGH 03-31-88  
AT A TOTAL COST OF \$41,076.00  
AWARD # 200-86-0931, MOD. 2  
MSN HS-MED OPHTHALMOLOGY (144-Y202) 15,000.00
21. DHHS, PHS, HEALTH RESOURCES AND SERVICES ADMIN  
ROCKVILLE, MD  
BENEFITS OF AN INTERDISCIPLINARY APPROACH TO  
FEEDING AVERSION: A FEEDING NEEDS PROJECT  
FOR THE PERIOD 07-01-87 THROUGH 06-30-88  
AWARD # MCJ-555010-01-0  
MSN HS-MED PEDIATRICS (144-Z832) 100,000.00
22. WI DEPT OF HEALTH & SOCIAL SERVICES  
MADISON, WI  
PRIME CONTRACTOR WITH DHHS PHS HRSA  
EARLY IDENTIFICATION AND TREATMENT OF METABOLIC  
DISEASE  
FOR THE PERIOD 01-01-87 THROUGH 06-30-87  
AT A TOTAL COST OF \$18,000.00  
AWARD # PROJECT #E-S007, MOD. 1  
MSN GRAD WAISMAN CENTER (144-Y849) 15,000.00
23. TULANE UNIVERSITY SCHOOL OF MEDICINE  
NEW ORLEANS, LA  
PRIME CONTRACTOR WITH DHHS PHS HRSA  
INTRAVENOUS ANTIBIOTIC STUDY: HOME VS. HOSPITAL  
FOR THE PERIOD 05-01-87 THROUGH 04-30-90  
AWARD # AGR DTD 09/22/87  
MSN HS-MED PEDIATRICS (144-Z976) 47,106.00
24. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH  
BETHESDA, MD  
IN SUPPORT OF THE FOLLOWING:
- 1) CALMODULIN-STIMULATED PROTEIN METHYLATION  
FOR THE PERIOD 09-21-87 THROUGH 08-31-88  
AWARD # 1 R01 GM38497-01  
MSN HS-MED PEDIATRICS (144-AA02) 123,868.00
- 2) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH  
SERVICE AWARD  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # 1 F32 HD06974-01A1  
MSN AG&LSC BIOCHEMISTRY (144-AA35) 24,996.00

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| 3) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH<br>SERVICE AWARD<br>FOR THE PERIOD 10-01-87 THROUGH 09-30-88<br>AWARD # 5 F32 EY05869-02<br>MSN GRAD WAISMAN CENTER   | (144-AA36) | 26,004.00  |
| 4) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH<br>SERVICE AWARD<br>FOR THE PERIOD 10-01-87 THROUGH 09-30-88<br>AWARD # 1 F32 NS08328-01<br>MSN HS-MED ANATOMY  | (144-AA47) | 18,996.00  |
| 5) VIRUS SPECIFIC FACTORS OF HSV RELATED TO CORNEAL<br>DISEASE<br>FOR THE PERIOD 09-30-87 THROUGH 09-29-88<br>AWARD # 1 RO1 EY07336-01<br>MSN HS-MED OPHTHALMOLOGY   | (144-AA60) | 165,477.00 |
| 6) AUTOLOGOUS LYMPHOKINE ACTIVATED KILLER CELLS AND<br>REPETITIVE DOSES OF INTERLEUKIN-2 IN PATIENTS WITH<br>CANCER: A PHASE 1B TRIAL OF OPTIMAL BIOLOGIC<br>EFFECTS<br>FOR THE PERIOD 09-30-87 THROUGH 01-29-89<br>AWARD # NO1-CM-47669-06 MAD #11<br>MSN HS-MED HUMAN ONCOLOGY IMMUNOLOGY  | (144-AA67) | 630,008.00 |
| 7) PHASE 1B CLINICAL TRIAL OF MONOCLONAL ANTIBODIES<br>TO EVALUATE THE ROLE OF DOSE AND SCHEDULE OF<br>ADMINISTRATION OF THE BIOLOGICAL EFFECT OF ANTI-<br>BODIES AND THE DEVELOPMENT OF HOST IMMUNE<br>RESPONSES TO ANTIBODY AND TUMOR<br>FOR THE PERIOD 09-30-87 THROUGH 01-29-89<br>AWARD # NO1-CM-47669-05 MAD #10<br>MSN HS-MED HUMAN ONCOLOGY IMMUNOLOGY | (144-AA71) | 221,893.00 |
| 8) PHASE 1A AND 1B TRIALS OF COMBINATIONS<br>OF INTERFERON<br>FOR THE PERIOD 09-30-85 THROUGH 06-30-88<br>AT A TOTAL COST OF \$202,291.00<br>AWARD # NO1-CM-47669-04, MAD #7, MOD. 2<br>MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL   | (144-X330) | 35,480.00  |
| 9) CHEMICAL CARCINOGENESIS IN HUMAN<br>EPITHELIAL MODELS<br>(REDUCTION TO REFLECT EARLY TERMINATION<br>OF GRANT)<br>FOR THE PERIOD 07-01-86 THROUGH 12-31-86<br>AT A TOTAL COST OF \$29,944.00<br>AWARD # 1 R23 CA43160-01, MOD. 1<br>MSN HS-MED PHYSIOLOG CHEM  | (144-Y153) | 20,400.00- |
| 10) GENETIC REGULATION OF ACETYLCHOLINE SYNTHESIS<br>FOR THE PERIOD 12-01-86 THROUGH 11-30-87<br>AT A TOTAL COST OF \$125,112.00<br>AWARD # 1 RO1 GM38679-01, MOD. 1<br>MSN L&S ZOOLOGY  | (144-Y782) | 5,434.00   |



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| 11) | ION EFFECTS ON INTERACTIONS OF RNA POLYMERASE AND DNA<br>FOR THE PERIOD 01-01-87 THROUGH 12-31-87<br>AT A TOTAL COST OF \$153,124.00<br>AWARD # 5 R01 GM23467-11, MOD. 1<br>MSN L&S CHEMISTRY | (144-Y848) | 10,227.00    |
| 12) | IGG1 AND IGE RECEPTOR MECHANISMS IN LUNG<br>FOR THE PERIOD 02-01-87 THROUGH 01-31-88<br>AT A TOTAL COST OF \$70,276.00<br>AWARD # 5 R01 HL33237-03, MOD. 1<br>MSN HS-MED MEDICINE RHEUMATOL   | (144-Y959) | 5,734.00     |
| 13) | BIOLOGY AND EXPERIMENTAL THERAPY OF BREAST CANCER<br>FOR THE PERIOD 06-01-87 THROUGH 05-31-88<br>AWARD # 5 P01 CA20432-11<br>MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL                             | (144-Z299) | 591,901.00   |
| 14) | THE IMMUNOBIOLOGY OF HUMAN ANTILEUKEMIC LYMPHOCYTES<br>FOR THE PERIOD 07-01-87 THROUGH 06-30-88<br>AWARD # 5 R01 CA32685-06<br>MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL                           | (144-Z375) | 128,779.00   |
| 15) | REGULATORY MECHANISMS IN TUMOR BIOLOGY<br>FOR THE PERIOD 07-01-87 THROUGH 06-30-88<br>AWARD # 5 P01 CA23076-10<br>MSN HS-MED ONCOLOGY   | (144-Z381) | 1,083,737.00 |
| 16) | PULMONARY BENEFITS OF CYSTIC FIBROSIS NEONATAL SCREENING<br>FOR THE PERIOD 08-01-87 THROUGH 07-31-88<br>AWARD # 5 R01 DK34108-03<br>MSN HS-MED PEDIATRICS                                     | (144-Z766) | 350,929.00   |
| 17) | HUMAN VENTILATORY ADAPTATION<br>FOR THE PERIOD 09-01-87 THROUGH 08-31-88<br>AWARD # 5 R01 HL15469-15<br>MSN HS-MED PREVENTIVE MED   | (144-Z866) | 149,946.00   |
| 18) | ASTHMA AND ALLERGIC DISEASE CENTER GRANT<br>FOR THE PERIOD 09-01-87 THROUGH 08-31-88<br>AWARD # 5 P50 AI10404-17<br>MSN HS-MED PEDIATRICS   | (144-Z902) | 327,785.00   |
| 19) | COLLABORATIVE CORNEAL TRANSPLANT STUDIES - CLINICAL CENTER<br>FOR THE PERIOD 09-30-87 THROUGH 09-29-88<br>AWARD # 5 U01 EYO7012-03<br>MSN HS-MED OPHTHALMOLOGY                                | (144-Z945) | 135,186.00   |
| 20) | EFFECT OF FETAL CEREBRAL ACTIVITY ON REGIONAL BLOOD FLOW<br>FOR THE PERIOD 09-30-87 THROUGH 09-29-88<br>AWARD # 5 R01 HL34354-03<br>MSN HS-MED OBSTET & GYNECOL                               | (144-Z975) | 126,797.00   |

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## RESEARCH

- 21) CA AND THE PATHOPHYSIOLOGY OF THE  
ADULT HEART CELL  
FOR THE PERIOD 09-30-87 THROUGH 09-29-88  
AWARD # 2 RO1 HL33652-04  
MSN HS-MED SURGERY                      THORACIC S    (144-Z988)    145,017.00
- 22) T CELL GLYCOPROTEINS CONTROLLED BY  
IMMUNE RESPONSE GENES  
FOR THE PERIOD 09-30-87 THROUGH 09-29-88  
AWARD # 5 RO1 CA34106-08  
MSN AG&LSC BIOCHEMISTRY                      (144-Z992)    107,681.00
- 23) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH  
SERVICE AWARD  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # 1 F32 GM12285-01  
MSN HS-MED GENETICS                      (144-Z998)    20,004.00
25. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH  
RESEARCH TRIANGLE PARK, NC  
DROSOPHILA MUTAGENESIS TESTING  
FOR THE PERIOD 09-30-87 THROUGH 09-29-88  
AWARD # NO1-ES-75182  
MSN L&S      ZOOLOGY                      (144-AA28)    115,301.00
26. NORTHWESTERN UNIVERSITY  
EVANSTON, IL  
PRIME CONTRACTOR WITH DHHS PHS NIH  
GENETIC, CHROMOSOMAL, DEVELOPMENTAL EFFECTS  
OF ULTRASOUND  
FOR THE PERIOD 08-01-87 THROUGH 07-31-88  
AWARD # O600-370-L321 UW  
MSN HS-MED MEDICAL PHYSICS                      (144-AA53)    18,297.00
27. ALLEGHENY-SINGER RESEARCH INSTITUTE  
PITTSBURGH, PA  
PRIME CONTRACTOR WITH DHHS PHS NIH  
HYPERTHERMIA QUALITY ASSURANCE PROGRAM  
FOR THE PERIOD 06-01-83 THROUGH 05-31-88  
AT A TOTAL COST OF \$349,563.00  
AWARD # NO1-CM-37512-UW, MOD. 4  
MSN HS-MED HUMAN ONCOLOGY      RADIOPHYS    (144-T418)    79,183.00
28. DOD, AIR FORCE  
VANDENBERG AFB, CA  
GEOSTATIONARY ORBITING ENVIRONMENTAL SATELLITE  
(GOES) EARTH STATION  
FOR THE PERIOD 10-01-87 THROUGH 06-30-88  
AWARD # FO4703-87-C-0728  
MSN GRAD      SPACE SCI&ENG CT                      (144-AA31)    1,350,236.00
29. DOD, ARMY  
WARREN, MI  
DEVELOP AND IMPLEMENT TRANSIENT POWERTRAIN MODELS  
FOR VEHICLE SYSTEMS  
FOR THE PERIOD 07-31-85 THROUGH 10-31-88  
AT A TOTAL COST OF \$344,303.00  
AWARD # DAAE07-85-C-RO92, MOD. 4  
MSN ENGR      MECHANICAL ENGR                      (144-W992)    119,303.00

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30. DOD, NAVY  
ANNAPOLIS, MD  
BASE LOAD SUPERCONDUCTIVE MAGNETIC ENERGY STORAGE  
FOR THE PERIOD 09-30-87 THROUGH 03-27-90  
AWARD # NO0167-87-K-0095  
MSN ENGR ENGR EXPER STA SUPRCONDCT (144-AA24) 30,000.00
31. DOD, NAVY  
ARLINGTON, VA  
IN SUPPORT OF THE FOLLOWING:
- 1) IMMUNOLOGICAL CONSEQUENCES OF SOCIAL STRATIFICATION AND CHANGE  
FOR THE PERIOD 03-01-87 THROUGH 09-30-88  
AT A TOTAL COST OF \$197,935.00  
AWARD # NO0014-87-K-0227, MOD. 2  
MSN L&S PRIMATE RES CTR (144-Y971) 121,634.00
- 2) CONTRIBUTIONS OF INTERLEUKIN-1 TO NONSPECIFIC ANTIBACTERIAL RESISTANCE  
FOR THE PERIOD 03-27-87 THROUGH 11-26-88  
AT A TOTAL COST OF \$127,910.00  
AWARD # NO0014-87-K-0318, MOD. 1  
MSN VET M PATHOBIOLGCL SCI (144-Z138) 69,670.00
32. HONEYWELL, INC  
MINNEAPOLIS, MN  
PRIME CONTRACTOR WITH DOD NAVY  
DESIGN, FABRICATE AND TEST AN EFFECIENT MONOLITHIC MILLIMETER POWER AMPLIFIER  
FOR THE PERIOD 04-01-87 THROUGH 12-31-87  
AWARD # P.O. #046307-FW  
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-Z727) 79,400.00
33. ENERGY, DEPT OF  
ARGONNE, IL  
IN SUPPORT OF THE FOLLOWING:
- 1) THERMAL STRESS MICROFRACTURING OF GRANITE CRYSTALLINE AND SEDIMENTARY ROCK  
FOR THE PERIOD 09-16-87 THROUGH 09-15-88  
AWARD # DE-FG02-84ER13184  
MSN L&S GEOL & GEOPHYSCS GEO&POL R (144-AA27) 84,365.00
- 2) THE CRITICAL CURRENT DENSITY, THE FABRICATION PROCESS AND THE MICROSTRUCTURE IN SUPERCONDUCTING COMPOSITES OF NB-TI FOR THE HIGH ENERGY PHYSICS  
FOR THE PERIOD 06-01-85 THROUGH 05-31-88  
AT A TOTAL COST OF \$1,015,900.00  
AWARD # DE-AC02-82ER40077, MOD. 7  
MSN ENGR MET & MIN ENGR (144-W639) 100,000.00
34. ENERGY, DEPT OF  
OAKLAND, CA  
RESEARCH ON SOLAR HEATING AND COOLING  
FOR THE PERIOD 09-15-87 THROUGH 02-14-88  
AWARD # DE-FG03-84SF15303  
MSN ENGR ENGR EXPER STA SOLAR ENRG (144-AA01) 100,000.00

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35. SANDIA NATIONAL LABORATORIES  
ALBUQUERQUE, NM  
PRIME CONTRACTOR WITH DOE  
OCTAVE BAND HYBRID DISTRIBUTED POWER  
AMPLIFIERS  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # 06-7914  
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-AA37) 32,500.00
36. SANDIA NATIONAL LABORATORIES  
ALBUQUERQUE, NM  
PRIME CONTRACTOR WITH DOE  
HIGH TEMPERATURE SUPERCONDUCTORS: MEASUREMENT  
OF PROPERTIES AND DEVICE DEVELOPMENT  
FOR THE PERIOD 09-16-87 THROUGH 09-30-88  
AWARD # CONTR. NO. 06-8032  
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-AA75) 50,240.00
37. LAWRENCE LIVERMORE NATIONAL LABORATORY  
LIVERMORE, CA  
PRIME CONTRACTOR WITH DOE  
STUDIES OF THE EFFECT OF SYNCHROTRON RADIATION  
LIGHT ON THE VACUUM IN THE BEAM TUBE OF SSC  
FOR THE PERIOD 08-01-87 THROUGH 09-30-88  
AWARD # PO #3357100  
MSN GRAD SYNCHR RAD CTR SYNCH-RAD (144-AA58) 20,000.00
38. ENVIRONMENTAL PROTECTION AGENCY  
CHICAGO, IL  
FOOD CHAIN MODELLING NEEDS OBTAINED THROUGH  
STOMACH ANALYSIS OF WALLEYE AND BROWN TROUT  
FOR THE PERIOD 06-01-87 THROUGH 12-15-87  
AWARD # RO05969-01  
MSN L&S LIMNOLOGY CTR (144-Z750) 59,999.00
39. ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC  
POTENTIAL EFFECTS OF CLIMATE CHANGE ON GREAT  
LAKES FISHES  
FOR THE PERIOD 09-16-87 THROUGH 09-15-88  
AWARD # CR-814644-01-0  
MSN L&S LIMNOLOGY CTR (144-Z995) 55,000.00
40. INTERIOR, DEPT OF  
BOSTON, MA  
STUDY OF PALEOLIMINOLOGY AND PALYNOLOGY AT CAPE  
COD NATIONAL SEASHORE  
FOR THE PERIOD 09-01-86 THROUGH 09-30-87  
AT A TOTAL COST OF \$21,946.00  
AWARD # CA1600-6-0004, MOD. 2  
MSN ENV ST CTR FOR CLIM RES (144-Y606) 1,946.00
41. INTER, FISH AND WILDLIFE SERVICE  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:

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- |     |   |            |            |
|-----|---|------------|------------|
| 1)  | DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR SURVIVAL AND MOVEMENTS OF NECKBANDED GEESE FOR THE PERIOD 08-15-84 THROUGH 12-31-87 AT A TOTAL COST OF \$169,200.00 AWARD # 14-16-0009-1511 #15, MOD. 5 MSN AG&LSC N R-WILDLIF ECOL                                  | (144-U891) | 11,200.00  |
| 2)  | SPRING DISTRIBUTION OF CANADA GEESE IN WISCONSIN FOR THE PERIOD 05-14-86 THROUGH 09-30-88 AT A TOTAL COST OF \$29,640.00 AWARD # 14-16-0009-1511 #24, MOD. 3 MSN AG&LSC N R-WILDLIF ECOL  | (144-X925) | 6,760.00   |
| 3)  | DEVELOPMENT OF HUMORAL AND CELLULAR IMMUNE FUNCTION TESTS FOR WATERFOWL FOR THE PERIOD 09-16-87 THROUGH 09-30-89 AWARD # 14-16-0009-1511 WO 28 MSN AG&LSC N R-WILDLIF ECOL  | (144-Z997) | 55,000.00  |
| 42. | JUSTICE, DEPT OF WASHINGTON, DC<br>IN SUPPORT OF THE FOLLOWING:   |            |            |
| 1)  | GRADUATE RESEARCH FELLOWSHIP FOR THE PERIOD 09-01-87 THROUGH 08-31-88 AWARD # 87-IJ-CX-0028 MSN L&S SOCIOLOGY   | (144-Z990) | 10,405.00  |
| 2)  | GRADUATE RESEARCH FELLOWSHIP FOR THE PERIOD 09-01-87 THROUGH 08-31-88 AWARD # 87-IJ-CX-0029 MSN L&S PSYCHOLOGY  | (144-Z996) | 7,740.00   |
| 43. | WI DEPT INDUSTRY, LABOR & HUMAN RELATIONS MADISON, WI<br>PRIME CONTRACTOR WITH LABOR PERMANENT MASS LAYOFFS AND PLANT CLOSINGS FOR THE PERIOD 01-09-87 THROUGH 06-15-87 AT A TOTAL COST OF \$16,953.05 AWARD # PD #ILG-O1738, MOD. 1 MSN L&S URBAN & REG PLAN | (144-Y889) | 647.84     |
| 44. | NATIONAL AERONAUTICS AND SPACE ADMIN HAMPTON, VA<br>SCIENCE SUPPORT FOR ERBE FOR THE PERIOD 05-15-86 THROUGH 09-30-87 AT A TOTAL COST OF \$170,000.00 AWARD # NAS1-18272, MOD. 4 MSN GRAD SPACE SCI&ENG CT  | (144-X922) | 172,000.00 |
| 45. | NATIONAL AERONAUTICS AND SPACE ADMIN HOUSTON, TX<br>METEOROLOGICAL INTERACTIVE DISPLAY SYSTEM-II FOR THE PERIOD 05-15-86 THROUGH 11-30-87 AT A TOTAL COST OF \$3,148,900.00 AWARD # NAS9-17642, MOD. 8C MSN GRAD SPACE SCI&ENG CT                             | (144-X916) | 502,000.00 |

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46. NASA, GODDARD SPACE FLIGHT CENTER  
GREENBELT, MD  
SPACE TELESCOPE IMAGING SPECTROGRAPH PROGRAM  
FOR THE PERIOD 09-22-87 THROUGH 09-30-89  
AWARD # NAS5-30131  
MSN L&S PHYSICS (144-AA33) 1,000.00
47. NASA, HEADQUARTERS  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:
- 1) A CENTER FOR THE COMMERCIAL DEVELOPMENT OF SPACE  
FOR THE PERIOD 09-01-86 THROUGH 08-31-88  
AT A TOTAL COST OF \$2,000,000.00  
AWARD # NAGW-975, MOD. 2  
MSN ENGR ENGR EXPR STA SPAC COMM (144-Y632) 1,000,000.00
- 2) GRADUATE STUDENT RESEARCHERS PROGRAM  
FOR THE PERIOD 08-01-87 THROUGH 07-31-88  
AWARD # NGT-7724  
MSN L&S ASTRONOMY (144-Z904) 18,000.00
48. NASA, MARSHALL SPACE FLIGHT CENTER  
MARSHALL SPACE FLIGHT CENTER, AL  
AN INVESTIGATION OF THE ROLE OF CURRENT AND  
FUTURE REMOTE SENSING DATA SYSTEM IN NUMERICAL  
METEOROLOGY  
FOR THE PERIOD 09-28-87 THROUGH 01-27-88  
AWARD # NCC8-11  
MSN GRAD SPACE SCI&ENG CT (144-AA26) 41,706.00
49. NATIONAL ENDOWMENT FOR THE HUMANITIES  
WASHINGTON, DC  
THE DOCUMENTARY HISTORY OF THE RATIFICATION OF  
THE CONSTITUTION AND THE DOCUMENTARY HISTORY OF  
THE FIRST FEDERAL ELECTIONS  
FOR THE PERIOD 07-01-85 THROUGH 12-31-87  
AT A TOTAL COST OF \$160,979.00  
AWARD # RE-20449-85, MOD. 5  
MSN L&S HISTORY (144-W838) 28,029.00
50. NATIONAL SCIENCE FOUNDATION  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:
- 1) COHMAP - COOPERATIVE HOLOCENE MAPPING PROJECT  
FOR THE PERIOD 09-01-87 THROUGH 08-31-88  
AWARD # ATM-8713227  
MSN ENV ST CTR FOR CLIM RES (144-AA41) 82,405.00
- 2) DEVELOPMENTAL REGULATION OF THE SYNTHESIS AND  
COMPARTMENTALIZATION OF PEROXISOMAL ENZYMES  
FOR THE PERIOD 11-01-85 THROUGH 04-30-88  
AT A TOTAL COST OF \$173,000.00  
AWARD # DCB-8509852, MOD. 1  
MSN L&S BOTANY (144-X349) 7,000.00

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3)	MATHEMATICAL SCIENCES: SPECIAL FUNCTIONS FOR THE PERIOD 05-15-87 THROUGH 10-31-89 AT A TOTAL COST OF \$80,906.00 AWARD # DMS-8701439, MOD. 1 MSN L&S MATHEMATICS	(144-Z115)	32,981.00
4)	NSF EQUIPMENT GRANT NEUROSCIENCES RESEARCH COMPUTING NETWORK FOR THE PERIOD 09-15-87 THROUGH 02-28-90 AWARD # BBS-8714242 MSN GRAD WAISMAN CENTER	(144-Z251)	363,000.00
5)	ACQUISITION OF BIOTECHNOLOGY EQUIPMENT FOR THE PERIOD 10-01-87 THROUGH 03-31-90 AWARD # DMB-8520047 MSN GRAD BIOTECHNOLGY CTR	(144-Z267)	201,032.00
6)	PRESIDENTIAL YOUNG INVESTIGATOR AWARD FOR THE PERIOD 07-01-87 THROUGH 12-31-88 AT A TOTAL COST OF \$31,247.00 AWARD # ECS-8657655, MOD. 1 MSN ENGR ELEC & COM ENGR ELEC&COMP	(144-Z295)	6,247.00
7)	ENHANCING INTERACTIVE TEACHING AND LEARNING IN THE PRECOLLEGE CLASSROOM FOR THE PERIOD 08-15-87 THROUGH 01-31-89 AWARD # TEI-8751276 MSN L&S CHEMISTRY	(144-Z452)	1,149,970.00
8)	MATHEMATICAL SCIENCES: SYSTEMS OF EVOLUTION EQUATIONS IN THERMOMECHANICAL PROCESSES FOR THE PERIOD 07-15-87 THROUGH 12-31-89 AWARD # DMS-8716132 MSN L&S CTR MATH SCI	(144-Z660)	28,000.00
9)	ARCHITECTURES FOR HIGHER SPEED LIST PROCESSING FOR THE PERIOD 09-01-87 THROUGH 02-28-89 AWARD # CCR-8706722 MSN L&S COMPUTER SCI	(144-Z921)	18,251.00
51.	VARIOUS GOVERNMENTAL AGENCIES MADRID, SPAIN CHARACTERIZATION OF THE GROWTH OF HETEROEPITAXIAL SYSTEMS; THE ROLE OF STRUCTURAL DEFECTS FOR THE PERIOD 06-01-85 THROUGH 05-31-87 AT A TOTAL COST OF \$45,125.00 AWARD # GV:85-800 AC, MOD. 3 MSN ENGR MET & MIN ENGR	(144-X355)	7,250.00
52.	MULTIPLE DONORS CANCER RESEARCH - MCARDLE MEMORIAL LABORATORY MSN HS-MED ONCOLOGY	(133-A250)	641.00
53.	CANCER RESEARCH MSN HS-MED	(133-A251)	
	766.66 SCHWAN'S SALES ENTERPRISES, INC. MARSHALL, MN		
	500.00 UNITED WAY OF SOUTH WOOD CTY, INC. WISCONSIN RAPIDS, WI		
			1,266.66



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54.	SCHWAN'S SALES ENTERPRISES, INC. MARSHALL, MN HEART RESEARCH MSN HS-MED	(133-A252)	766.67
55.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GENERAL MEDICAL RESEARCH MSN HS-MED	(133-A253)	23,224.56
56.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF MEDICINE RESEARCH AND DEVELOPMENT FUND MSN HS-MED MEDICINE	(133-A525)	43,423.75
57.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF ANESTHESIOLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED ANESTHESIOLOGY	(133-A532)	71,572.00
58.	MULTIPLE DONORS CANCER RESEARCH AND RELATED ACTIVITIES MSN HS-HSP ADMINISTRATION ADMIN	(133-A934)	50.00
59.	UOP FLUID SYSTEMS SAN DIEGO, CA INVESTIGATION OF HFM ULTRAFILTRATION MEMBRANE PERFORMANCE ON CHEESE WHEY ULTRAFILTRATION MSN AG&LSC FOOD SCIENCE	(133-B330)	10,000.00
60.	DIVISION OF SCHNEIDER FUEL AND SUPPLY CO. RICHLAND CENTER, WI SANITARY ENGINEERING RESEARCH MSN ENGR CIVIL & ENV ENGR	(133-B990)	50.00
61.	WILDLIFE RESEARCH MSN AG&LSC N R-WILDLIF ECOL	(133-C298)	
	10,850.00 WILDLIFE MANAGEMENT INSTITUTE WASHINGTON, DC		
	4,000.00 DEPT OF WILDLIFE CONSERVATION JACKSON, MS		
			14,850.00
62.	MULTIPLE DONORS SOLAR ENERGY RESEARCH MSN ENGR ENGR EXPER STA SOLAR ENRG	(133-C535)	200.00
63.	HEWLETT PACKARD PALO ALTO, CA GRADUATE RESEARCH SUPPORT IN THE DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING MSN ENGR ELEC & COM ENGR ELEC&COMP	(133-C555)	8,308.00

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64.	UNITED STATES SURGICAL CORPORATION NORWALK, CT GENITO-URINARY CANCER RESEARCH MSN HS-MED SURGERY	UROLOGY	(133-C878)	1,500.00
65.	TOBACCO INVESTIGATIONS MSN AG&LSC HORTICULTURE		(133-D253)	
	250.00	MULTIPLE DONORS		
	1,000.00	NORTHERN WISCONSIN COOPERATIVE TOBACCO POOL, INC. VIROQUA, WI		1,250.00
66.	SURFACE AREA STUDIES MSN HS-PHR PHARMACY		(133-D484)	
	3,000.00	COLORCON, INC. WEST POINT, PA		
	500.00	RORER CENTRAL RESEARCH FORT WASHINGTON, PA		3,500.00
67.	E. I. DUPONT DENEMOURS & CO. WILMINGTON, DE DEPARTMENT OF PATHOLOGY DISCRETIONARY FUND MSN HS-MED PATHOL & LAB MED ANAT PATH		(133-D646)	1,000.00
68.	MADISON GENERAL HOSPITAL MADISON, WI DEFRAY SALARY COST OF ASSISTANT SCIENTIST MSN HS-MED PEDIATRICS		(133-D678)	2,500.00
69.	21ST CENTURY GENETICS SHAWANO, WI IMPROVING REPRODUCTIVE EFFICIENCY IN DAIRY CATTLE MSN AG&LSC DAIRY SCIENCE		(133-D706)	7,500.00
70.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MALIGNANT HYPOTHERMIA IN PATIENTS MSN HS-MED ANESTHESIOLOGY		(133-D924)	13,320.00
71.	STANDARD OIL COMPANY OF OHIO CLEVELAND, OH STANDARD OIL OF OHIO GRADUATE FELLOWSHIP IN CHEMISTRY MSN L&S CHEMISTRY		(133-D987)	10,000.00
72.	BUCKMAN LABORATORIES MEMPHIS, TN EPIDEMIOLOGY AND CONTROL OF VEGETABLE CROP DISEASES MSN AG&LSC PLANT PATHOLOGY		(133-E035)	10,000.00

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73.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EFFECTS OF ANESTHETIC AGENTS ON AIRWAY SMOOTH MUSCLE MSN HS-MED ANESTHESIOLOGY	(133-E473)	10,660.00
74.	HYPERTHERMIA RESEARCH MSN HS-MED HUMAN ONCOLOGY	(133-E770)	
	20,000.00 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI		
	100.00 MULTIPLE DONORS		
			20,100.00
75.	ABLEX PUBLISHING CORPORATION NORWOOD, NJ EDITORIAL SUPPORT FOR "LIBRARY RESEARCH": AN INTERNATIONAL JOURNAL MSN L&S LIB&INF ST	(133-E910)	1,500.00
76.	MERCK SHARPE AND DOHME RAHWAY, NJ DESIGNING AND SYNTHESIZING NEW CLASSES OF COMPOUNDS THAT INHIBIT THERAPEUTICALLY IMPORTANT ENZYMES BY TRANSITION STATE ANALOG MECHANISMS MSN HS-PHR PHARMACY	(133-E965)	25,000.00
77.	MULTIPLE DONORS CARDIOVASCULAR SURGERY HEART RESEARCH FUND MSN HS-MED SURGERY THORACIC S	(133-F069)	12.50
78.	UNIVERSITY PSYCHIATRY GROUP MADISON, WI EXPOSURE THERAPIST SALARY SUPPORT MSN HS-MED PSYCHIATRY	(133-F119)	5,928.89
79.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PEDIATRIC OPHTHALMOLOGY RESEARCH MSN HS-MED OPHTHALMOLOGY	(133-F127)	4,150.00
80.	MULTIPLE DONORS SUDDEN INFANT DEATH SYNDROME RESEARCH MSN HS-MED PATHOL & LAB MED ANAT PATH	(133-F270)	486.20
81.	THE LARSEN COMPANY GREEN BAY, WI GENERAL FRUIT RESEARCH ACTIVITIES AT THE PENINSULAR STATION MSN AG&LSC PENINSLR RES STA	(133-F369)	575.00
82.	UNIVERSITY OBSTETRICS-GYNECOLOGY ASSOCIATES MADISON, WI MICROSURGERY RESEARCH TRAINING FUND MSN HS-MED SURGERY	(133-F729)	1,200.00

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83.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI BIOENGINEERING RESEARCH MSN HS-MED ANESTHESIOLOGY	(133-F745)	5,455.00
84.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEFRAY COST OF SALARY AND FRINGE BENEFITS FOR RESEARCH FELLOW AWARD # 58-851 MSN HS-MED ANESTHESIOLOGY	(133-F750)	3,600.00
85.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LAB ADVISORY COMMITTEE RESEARCH AWARDS MSN HS-MED HUMAN ONCOLOGY	(133-F811)	20,000.00
86.	MULTIPLE DONORS FOODSERVICE ADMINISTRATION RESEARCH MSN AG&LSC FOOD SCIENCE	(133-F932)	200.00
87.	MULTIPLE DONORS PROGRAM FOR DEVELOPMENT OF PREVENTIVE HEALTH SERVICE PROGRAM FOR VIETNAM MSN HS-MED PREVENTIVE MED	(133-G285)	161.00
88.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI BIOFEEDBACK CLINIC SUPPORT MSN HS-MED NEUROLOGY	(133-G648)	2,000.00
89.	HARTMANN (HENRIK A L) MADISON, WI DISCRETIONARY RESEARCH MSN HS-MED PATHOL & LAB MED ANAT PATH	(133-G658)	200.00
90.	SIRE-POWER, INC. TUNKHANNOCK, PA BRIDGING THE DISCIPLINES OF REPRODUCTIVE PHYSIOLOGY AND GENETICS--AN INTEGRATED RESEARCH APPROACH MSN AG&LSC DAIRY SCIENCE	(133-G729)	6,900.00
91.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EFFECTS OF HALOTHANE ON THE ISOLATED PERFUSED CANINE BRAIN MSN HS-MED ANESTHESIOLOGY	(133-G808)	4,000.00
92.	ANONYMOUS DONOR STUDIES AT MCARDLE LABORATORY MSN HS-MED ONCOLOGY	(133-G848)	55,000.00
93.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AMOCO FOUNDATION FELLOWSHIP MSN AG&LSC BIOCHEMISTRY	(133-H475)	10,040.00

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94.	WESTINGHOUSE ELECTRIC CORPORATION PITTSBURGH, PA TURBULENT CONDENSATION HEAT TRANSFER AWARD # MN-63589S, MN-22309-S MSN ENGR NUC ENGR&E PHYSC (133-H692)	15,000.00
95.	WISC DEPT OF NATURAL RESOURCES MADISON, WI WISCONSIN REGIONAL INTEGRATED LAKE-WATERSHED ACIDIFICATION STUDY FOR THE PERIOD 01-01-85 THRU 12-31-87 AT A \$355,114.92 LEVEL AWARD # NRE94485, NRF98587NRG91923 MSN AG&LSC SOIL SCIENCE (133-H910)	66,037.00
96.	ANIMAL BEHAVIOR SOCIETY GAINESVILLE, FL DEFRAY EDITORIAL EXPENSES OF THE JOURNAL "ANIMAL BEHAVIOUR" MSN L&S PSYCHOLOGY (133-J100)	28,267.00
97.	NA-CHURS PLANT FOOD CO. MARION, OH COMPARISON OF NA-CHURS FERTILIZER PROGRAM WITH CONVENTIONAL FERTILIZER PROGRAMS FOR CORN MSN AG&LSC SOIL SCIENCE (133-J155)	12,920.00
98.	TRAVENOL LABORATORIES, INC. ROUND LAKE, IL PSP CLEARANCE IN THE HORSE MSN VET M MEDICAL SCIENCES (133-J202)	6,162.81
99.	UNIVERSITY RADIOLOGY AND NUCLEAR MEDICINE ASSOCIATES MADISON, WI FACULTY SALARY AND FRINGE BENEFIT SUPPORT MSN HS-MED RADIOLOGY (133-J330)	3,465.00
100.	ALLIED CORPORATION MORRISTOWN, NJ AMMONIUM SULFATE AS CONCOMITANT N AND S SOURCE FOR ALFALFA MSN AG&LSC SOIL SCIENCE (133-J396)	6,000.00
101.	JOHNSON WAX RACINE, WI INTERFACIN PROTEINS OF THE GERMAN COCKROACH MSN AG&LSC ENTOMOLOGY (133-J399)	15,587.00
102.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EFFECTS OF VOLATILE ANESTHETICS ON THE ISCHEMIC KIDNEY MSN HS-MED ANESTHESIOLOGY (133-J425)	10,030.00
103.	MULTIPLE DONORS LANDSCAPE DESIGN MSN AG&LSC NR-LANDSCAP ARCH (133-J448)	200.00

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104.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI HELFAER PROFESSORSHIP IN CHEMISTRY MSN L&S CHEMISTRY	(133-J463)	15,000.00
105.	NATIONAL FOUNDATION FOR ILEITIS & COLITIS, INC. NEW YORK, NY BACTERIOLOGICAL, PATHOLOGICAL, AND IMMUNOLOGICAL EVALUATION OF MYCOBACTERIUM PARATUBERCULOSIS - MONOASSOCIATED MICE AS A MODEL FOR CROHN'S DISEASE FOR THE PERIOD 10-01-85 THRU 09-30-88 AT AN \$51,416 LEVEL MSN VET M PATHOBIOLOG SCI	(133-J703)	18,170.00
106.	AGRACETUS MIDDLETON, WI STRUCTURE, FUNCTION AND EXPRESSION OF PLANT SN RNA GENES MSN HS-MED PHYSIOLOG CHEM	(133-J739)	7,000.00
107.	WISC DEPT OF HEALTH AND SOCIAL SERVICES DIVISION OF HEALTH MADISON, WI DESIGN OF INTEGRATED INFORMATION SYSTEM FOR BUREAU OF CORRECTIONAL HEALTH SERVICES FOR THE PERIOD 01-03-86 THRU 08-15-87 AT A \$90,844.56 LEVEL AWARD # P.O. FAG 11157 MSN ENGR ENGR EXPER STA HLTH SYS'S	(133-J857)	8,473.76
108.	MULTIPLE DONORS GENERAL PHARMACY ADMINISTRATION RESEARCH MSN HS-PHR PHARMACY	(133-K005)	304.39
109.	CLINICAL PROTOCOL ASSOCIATES, INC. FORT LEE, NJ EVALUATION OF SAFETY AND EFFICACY OF PY108-068 COMPARED WITH PROPRANOLOL IN TREATMENT OF ANGINA PECTORIS MSN HS-MED MEDICINE CARDIOLOGY	(133-K060)	7,398.00
110.	AMERICAN CYANAMID COMPANY PRINCETON, NJ EFFICACY OF RECOMBINANT BOVINE SOMATOTROPIN INJECTED DAILY IN LACTATING DAIRY COWS AT THREE DOSAGE LEVELS MSN AG&LSC DAIRY SCIENCE	(133-K206)	31,388.50
111.	NATIONAL WILD TURKEY FEDERATION EDGEFIELD, SC MYCOPLASMA GALLISEPTICUM IN WILD TURKEYS: ARE THERE CHRONIC CARRIERS? FOR THE PERIOD 03-01-86 THRU 12-31-88 MSN AG&LSC VETERINARY SCI	(133-K214)	4,000.00

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112.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIRECTOR'S DISCRETIONARY FUND MSN L&S HUM-INST FOR RES	(133-K258)	1,000.00
113.	PURITAN-BENNETT FOUNDATION HANDOVER, NH PARKER B. FRANCIS FELLOWSHIP IN PULMONARY RESEARCH FOR THE PERIOD 07-01-86 THRU 06-30-89 MSN HS-MED PREVENTIVE MED	(133-K262)	10,000.00
114.	AYERST LABORATORIES NEW YORK, NY ULTRADOL STUDY PROTOCOL NO. 84-291 MSN HS-MED MEDICINE RHEUMATOL	(133-K293)	353.60
115.	JANSSEN PHARMACEUTICA PISCATAWAY, NJ CLINICAL EVALUATION OF THE SAFETY AND EFFICACY OF ASTEMIZOLE IN THE TREATMENT OF SEASONAL ALLERGIC RHINITIS AWARD # JRD 43,512/039 MSN HS-MED MEDICINE ALLRGY&IMM	(133-K304)	27,225.00
116.	BURROUGHS WELLCOME CO. RESEARCH TRIANGLE PARK, NC AN OPEN STUDY OF THE SAFETY AND EFFICACY OF FIVE DOSES OF BW-TPA IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION MSN HS-MED MEDICINE CARDIOLOGY	(133-K780)	38,600.00
117.	TRI-STATE BREEDERS COOPERATIVE BARABOO, WI PROBING FOR GENETIC MARKERS IN BULL SEMIN MSN AG&LSC DAIRY SCIENCE	(133-K829)	1,250.00
118.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SOCIAL STRATIFICATION RESEARCH FUND FOR THE PERIOD 09-01-86 THRU 08-31-87 MSN L&S SOCIOLOGY	(133-K855)	11,000.00
119.	DUPONT (E I) DENEMOURS AND COMPANY WILMINGTON, DE EVALUATION OF THE DUPONT DIMENSION CLINICAL CHEMISTRY SYSTEM MSN HS-MED PATHOL & LAB MED ANAT PATH	(133-K876)	51,750.00
120.	HAZLETON LABORATORIES AMERICA, INC. MADISON, WI EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 10-01-86 THRU 09-30-88 MSN HS-MED MEDICINE ENDOCRINOL	(133-K944)	32,696.00



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121.	MERCK SHARPE & DOHME RESEARCH LABORATORIES RAHWAY, NJ ENALAPRIL VS PLACEBO IN CHRONIC CONGESTIVE HEART FAILURE MSN HS-MED MEDICINE	CARDIOLOGY (133-L054)	16,824.00
122.	JAMES RIVER CORPORATION NEENAH, WI BIOPULPING CONSORTIUM MSN GRAD BIOTECHNOLGY CTR	(133-L093)	15,000.00
123.	AMERICAN CYANAMID COMPANY PEARL RIVER, NY EFFICACY AND SAFETY OF BISOPROLOL IN THE TREATMENT OF ESSENTIAL HYPERTENSION AWARD # 4960 MSN HS-MED MEDICINE	GEN INT MD (133-L237)	7,796.40
124.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI STEADY STATE EVOKED POTENTIAL INDICES OF ANESTHETIC DEPTH MSN HS-MED ANESTHESIOLOGY	(133-L300)	1,845.00
125.	WISC DEPT OF NATURAL RESOURCES MADISON, WI ACID DEPOSITION SAMPLING - TROUT LAKE AWARD # P.O. # NRG 91537 NRH9579 MSN L&S LIMNOLOGY CTR	(133-L462)	3,000.00
126.	MULTIPLE DONORS GENERAL WILDLIFE STUDIES MSN AG&LSC N R-WILDLIF ECOL	(133-L592)	180.00
127.	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)	10,000.00
128.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PERLMAN-BASCOM PROFESSORSHIP/WEIZMANN COLLABORATION MSN GRAD MOLECULAR BIOL	(133-L764)	2,577.71
129.	WISC DEPT OF TRANSPORTATION MADISON, WI USE OF LANDSAT THEMATIC MAPPER DATA TO DEVELOP LAND COVER PARAMETERS FOR IMPROVED HYDROLOGIC MODELING OF WISCONSIN'S "DRIFTLESS AREA" FOR THE PERIOD 07-01-87 THRU 06-30-88 AWARD # 0616-41-62 MSN ENV ST ENV REMOT SENS'G	(133-L829)	2,620.00

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130.	WISC DEPT OF NATURAL RESOURCES MADISON, WI DEGRADATION OF ATRAZINE ALACHLOR AND METOLACHLOR IN SOILS AND AQUIFER MATERIALS FOR THE PERIOD 07-10-87 THRU 06-30-88 (PROJECT INCREMENTALLY FUNDED, REDUCED TO REFLECT RECEIPT OF FIRST YEAR FUNDING ONLY OF 25,000) AWARD # NRH 95381 MSN GRAD WATER RESOURCES WATER RESO (133-L901)	24,970.00-
131.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AMERITECH FOUNDATION FELLOWSHIP PROGRAM FOR THE PERIOD 07-01-87 THRU 06-30-88 MSN GRAD L&S JOURN& M C (133-L995)	6,146.00
132.	MARKWELL MEDICAL INSTITUTE, INC. RACINE, WI RESEARCH AND DEVELOPMENT OF GLUCOSE SENSORS FOR THE PERIOD 07-01-87 THRU 12-31-87 MSN HS-MED MEDICINE NEPHROLOGY (133-M013)	55,000.00
133.	MILK SPECIALTIES CO. DUNDEE, IL EFFECT OF AN ACIDIFIED MILK REPLACER FOR YOUNG CALVES WHEN FED AT A RATE OF 10% OF BODY WEIGHT FROM BIRTH TO WEANING MSN AG&LSC DAIRY SCIENCE (133-M114)	3,550.00
134.	GENERAL MOTORS CORPORATION WARRREN, MI DATA BASE FOR RESULTS OF MONITORING AND DIAGNOSIS OF MACHINE TOOLS FOR THE PERIOD 09-01-87 THRU 08-31-88 AWARD # PMB06699 MSN ENGR ENGR EXPER STA MFG SY ENG (133-M125)	35,000.00
135.	XOMA CORPORATION BERKELEY, CA ANTITUMOR ACTIVITY OF COMBINATIONS OF INTERFERON AND NURINE MONOCLONAL ANTIMELANOMA ANTIBODY MSN HS-MED HUMAN ONCOLOGY IMMUNOLOGY (133-M133)	15,531.00
136.	REAL VEAL, INC. IXONIA, WI EFFECT OF FAT SUPPLEMENTATION ON FIBER UTILIZATION AND REPRODUCTIVE PERFORMANCE OF DAIRY COWS MSN AG&LSC DAIRY SCIENCE (133-M134)	12,200.00
137.	STUART PHARMACEUTICAL COMPANY WILMINGTON, DE PSYCHOPHYSIOLOGY OF SOCIAL PHOBIAS AND THEIR TREATMENT WITH ATENOLOL MSN L&S PSYCHOLOGY (133-M138)	24,000.00

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138.	GRAYSON FOUNDATION JACKSON, MS TRANSMISSION AND CLINICAL SIGNS OF BORRELIA BURGDORFERI INFECTION IN HORSES FOR THE PERIOD 09-01-87 THRU 08-31-88 MSN VET M MEDICAL SCIENCES	(133-M140)	21,944.00
139.	PFIZER, INC. NEW YORK, NY OPEN, LONG TERM SERTRALINE THERAPY IN THE TREATMENT OF PATIENTS WITH OBSESSIVE-COMPULSIVE DISORDER AWARD # 86-N-0173 MSN HS-PSY PSYCHIATRIC INST	(133-M144)	13,374.00
140.	JOHNSON'S WAX FUND, INC. RACINE, WI JOHNSON'S WAX FUND, INC. RESEARCH FELLOWSHIP GRANT MSN L&S CHEMISTRY	(133-M146)	10,000.00
141.	LEDERLE LABORATORIES PEARL RIVER, NY PERITONEAL DIALYSIS RESEARCH MSN HS-PHR PHARMACY	(133-M148)	1,000.00
142.	WISCONSIN POWER AND LIGHT COMPANY MADISON, WI PROGRAM EVALUATION DESIGNS FOR THE PERIOD 07-20-87 THUR 01-30-88 AWARD # P.O.#G0718647 MSN ENGR ENGR EXPER STA HLTH SYS'S	(133-M164)	14,000.00
143.	UNION CARBIDE CORPORATION CLEVELAND, OH PROCESSING OF NATURAL GRAPHITE MSN ENGR MET & MIN ENGR	(133-M165)	22,000.00
144.	BELOIT MEMORIAL HOSPITAL BELOIT, WI NEPHROLOGY DEVELOPMENT RESEARCH MSN HS-MED MEDICINE NEPHROLOGY	(133-M167)	2,000.00
145.	BACHEM, INC. TORRANCE, CA PHARMACY RESEARCH MSN HS-PHR PHARMACY	(133-M168)	25,000.00
146.	XOMA CORPORATION BERKELEY, CA THERAPY OF METASTATIC MELANOMA WITH XMMME-001-RTA AWARD # 81112-P1/2-CY2 MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL	(133-M169)	4,290.00
147.	TRITON BIOSCIENCES, INC. ALAMEDA, CA PRECLINICAL INTERFERON RESEARCH FOR THE PERIOD 10-01-87 THRU 09-30-88 MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL	(133-M171)	230,575.00

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148.	BAXTER HEALTHCARE CORPORATION ROUND LAKE, IL THE EFFECT OF RIFAMPIN PROPHYLAXIS ON STAPHYLOCOCCUS AUREUS NASAL CARRIAGE, EXIT-SITE INFECTION, AND PERITONITIS IN A PERITONEAL DIALYSIS POPULATION MSN HS-MED MEDICINE	NEPHROLOGY (133-M172)	29,685.00
149.	GENERAL MOTORS CORPORATION WARREN, MI MICROPROCESSOR BASED SYSTEMS FOR TOOL CONDITION MONITORING AND CATASTROPHIC FAILURE DETECTION FOR THE PERIOD 09-01-87 THRU 08-31-88 AWARD # P.O. #PMS11819 MSN ENGR ENGR EXPER STA	MFG SY ENG (133-M173)	35,000.00
150.	URBAN AND REGIONAL INFORMATION SYSTEMS ASSC. WASHINGTON, DC DEVELOPMENT OF PROCEDURES & MATERIALS FOR EDUCATION & TECHNICAL ASSISTANCE IN THE AREA OF MULTIPURPOSE LAND INFORMATION SYSTEMS MSN ENV ST LAND INFO STU	LD INFO ST (133-M175)	6,056.00
151.	POWER & ENERGY INTERNATIONAL, INC. BELOIT, WI STUDY IN TRIBOLOGY AND VIRATION MSN ENGR MECHANICAL ENGR	(133-M177)	4,000.00
152.	WHITAKER FOUNDATION CAMP HILL, PA AUTOMATED DNA SEQUENCING: A TOOL FOR THE CHARACTERIZATION OF HUMAN GENOME AND THE ANALYSIS OF GENETIC DEFECTS MSN L&S CHEMISTRY	(133-M180)	50,000.00
153.	WISC DEPT OF HEALTH AND SOCIAL SERVICES MADISON, WI RADIATION PROTECTION COUNCIL FOR THE PERIOD 07-01-87 THRU 06-30-88 AWARD # FAH56568,FAH56555 MSN L&S ZOOLOGY	(133-M181)	1,900.00
154.	MARCH OF DIMES BIRTH DEFECTS FOUNDATION WHITE PLAINS, NY REGULATION OF EXTRACELLULAR MATRIX ELABORATION IN HUMAN NEONATAL CELLS FOR THE PERIOD 09-01-87 THRU 08-31-88 AWARD # 5-552 MSN HS-MED PHYSIOLOG CHEM	(133-M182)	30,000.00
155.	MULTIPLE DONORS NED CHOSY MEMORIAL FUND FOR THE CENTER FOR AFFECTIVE DISORDERS MSN HS-MED PSYCHIATRY	(133-M184)	1,932.00

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156.	OFICINA IICA EN COLOMBIA BOGOTA, COLOMBIA CONSULTORY AGREEMENT WITH THE COLOMBIAN OFFICE OF THE INTER-AMERICAN INSTITUTE FOR COOPERATION ON AGRICULTURE (IICA) AND THE UNIVERSITY OF WISCONSIN MSN VET M ADM-RES& GRAD TR ADM-RES&GR (133-M185)	3,017.26
157.	COUNCIL FOR TOBACCO RESEARCH NEW YORK, NY LOADING AND RESPIRATORY MUSCLE RECRUITMENT FOR THE PERIOD 01-01-88 THRU 12-31-88 MSN HS-MED PREVENTIVE MED (133-M187)	76,350.00
158.	WISCONSIN'S ENVIRONMENTAL DECADE MADISON, WI THE FEASIBILITY OF LARGE-SCALE MATERIALS RECOVERY IN RURAL VERSUS URBAN SETTINGS MSN AG&LSC AG ECONOMICS (133-M189)	9,110.70
159.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UW GOLF COURSE ARCHEOLOGICAL SURVEY MSN L&S ANTHROPOLOGY (133-M191)	15,514.00
160.	MULTIPLE DONORS HURON MOUNTAINS RESEARCH MSN L&S GEOL & GEOPHYSICS (133-M199)	200.00
161.	MULTIPLE DONORS OPTIMIZING THE ENVIRONMENT FOR PLANTS MSN AG&LSC HORTICULTURE (133-M200)	300.00
162.	MCMASTER UNIVERSITY ONTARIO, CANADA UTILIZATION OF HEALTH CARE SERVICES MSN L&S INST-RES ON POV (133-M201)	8,824.00
163.	VILAS (WILLIAM F) TRUST ESTATE MADISON, WI VILAS RESEARCH PROFESSORSHIP IN ENGLISH FOR THE PERIOD 09-11-87 THRU 06-30-88 MSN L&S ENGLISH (133-M205)	24,358.49
164.	WEED CONTROL IN AGRONOMIC CROPS MSN AG&LSC AGRONOMY (133-5014)	
	1,500.00 UNITED AGRI PRODUCTS GREELEY, CO 500.00 FMC CORPORATION OMAHA, NE 1,000.00 UNIROYAL CHEMICAL COMPANY, INC. MIDDLEBURY, CT	3,000.00

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165.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPORT FOOD RESEARCH INSTITUTE MSN AG&LSC FOOD MICRO&TOXIC	(133-5328)	500,000.00
166.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPORT MEDICAL PHYSICS PROGRAM MSN HS-MED MEDICAL PHYSICS	(133-5448)	4,000.00
167.	MERLIN S. BERGDOLL MADISON, WI STAPHYLOCOCCUS ENTEROTOXIN RESEARCH MSN AG&LSC FOOD MICRO&TOXIC	(133-5654)	2,000.00
168.	TRUCK CROP AND POTATO INSECTS AND THEIR CONTROL MSN AG&LSC ENTOMOLOGY	(133-6855)	
	5,000.00 FMC CORPORATION AMES, IA		
	4,000.00 ABBOTT LABORATORIES NORTH CHICAGO, IL		
	2,400.00 WISCONSIN AGRI-BUSINESS COUNCIL, INC. MADISON, WI		
			11,400.00
169.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI BIODYNAMICS LABORATORY RESEARCH PROGRAM MSN EDUC PHYS ED & DANCE BIODYN LAB	(133-7153)	2,000.00
170.	ORE-IDA FOODS, INC. PLOVER, WI POTATO RESEARCH MSN AG&LSC HORTICULTURE	(133-7371)	2,750.00
171.	MULTIPLE DONORS SUPPORT NEUROPSYCHOLOGY LABORATORY OF THE DEPARTMENT OF NEUROLOGY MSN HS-MED NEUROLOGY	(133-7446)	185.49
172.	GROWTH REGULATOR RESEARCH ON AGRONOMIC CROPS MSN AG&LSC AGRONOMY	(133-8218)	
	14,000.00 WISCONSIN CROP IMPROVEMENT ASSOC. MADISON, WI		
	1,200.00 ROHM & HAAS COMPANY PHILADELPHIA, PA		
	3,230.00 BASF CORPORATION PARSIPPANY, NJ		
			18,430.00
173.	RHONE-POULENC AG COMPANY MORTON, IL HERBICIDE RESEARCH PROGRAM MSN AG&LSC AGRONOMY	(133-9070)	500.00

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174.	WEED RESEARCH IN TURF, ORNAMENTALS AND TOBACCO MSN AG&LSC HORTICULTURE	(133-9262)	
	750.00	RHONE-POULENC INC. SPENCER, IN	
	750.00	ELI LILLY AND COMPANY GREENFIELD, IN	
	150.00	MULTIPLE DONORS	
	2,300.00	PBI GORDON CORPORATION KANSAS CITY, MO	
			3,950.00
175.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPORT CANCER RESEARCH IN THE CLINICAL CANCER CENTER MSN HS-MED HUMAN ONCOLOGY	(133-9268)	5,000.00
176.	MULTIPLE DONORS HERD DEVELOPMENT AND DAIRY CATTLE BREEDING RESEARCH MSN AG&LSC DAIRY SCIENCE	(133-9531)	300.00
177.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FUSION TECHNOLOGY PROGRAM MSN ENGR ENGR EXPER STA FUSION TEC	(133-9977)	50,000.00

## STUDENT AID

1.	EARNINGS ON SHARES REC'D IN ESTATE LOVE, GEORGE R. AND ELAINE--EDUCATIONAL FUND MSN G SERV FELLOWS & SCHOLS	( TRUST )	3.36
2.	UW FOUNDATION-MADISON, WI--FUND IS AVAILABLE FOR MEDICAL STUDENT SCHOLARSHIPS, PARTICULARLY FOR MEDICAL STUDENTS IN THE MEDICAL SCIENTIST TRAINING PROGRAM WORKING TOWARD JOINT M.D.-PH.D. DEGREES. MALONE, NINA S.--SCHOLARSHIP MSN HS-MED	( TRUST )	28,587.00
3.	PROCEEDS FROM MATURING INVESTMENTS LOVE, GEORGE R. AND ELAINE--EDUCATIONAL FUND MSN G SERV FELLOWS & SCHOLS	( TRUST )	100.39
4.	PROCEEDS FROM MATURING INVESTMENTS LOVE, GEORGE R. AND ELAINE--MEDICAL FACULTY ENDOWMENT FUND MSN HS-MED	( TRUST )	311.25
5.	BARRETT, MARGARET ESTATE CHICAGO, IL STEPHEN, MARGARET CHANCELLOR'S SCHOLARSHIP FUND MSN G SERV FELLOWS & SCHOLS	( TRUST )	68,933.65

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6.	BERNARDONI, ROBERT J. DARLINGTON, WI BARAD, RICHARD M.--MEMORIAL TRUST FUND MSN HS-MED FAM MED & PRACT	( TRUST )	100.00
7.	MULTIPLE DONORS SCHOLARSHIP FOR SENIOR UNDERGRADUATE OR BEGINNING GRADUATE STUDENT IN ENTOMOLOGY FOR INDEPENDENT RESEARCH PROJECT. CHAPMAN, DR. R. KEITH--VEGETABLE CROPS SCHOLARSHIP FUND MSN AG&LSC ENTOMOLOGY	( TRUST )	2,996.50
8.	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 \$25,365.00 AWARD # RO08702947, MOD. 1 MSN AC SVC STU FINAN AIDS STU F AIDS	(144-Y217)	420.00
9.	DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM ROCKVILLE, MD PREDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD FOR THE PERIOD 09-30-87 THROUGH 09-29-88 AWARD # 2 F31 MHO9114-04 MSN GRAD L&S	PSYCHOLOGY (144-AA56)	9,552.00
10.	DHHS, PHS, NATIONAL INSTITUTES OF HEALTH BETHESDA, MD PREDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD FOR THE PERIOD 09-18-87 THROUGH 12-17-87 AWARD # 5 F31 NRO5907-03 MSN GRAD L&S	PSYCHOLOGY (144-Z991)	2,638.00
11.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ROBERT AND ELAINE POTT FOUNDATION SCHOLARSHIP FOR DESERVING ENGINEERING UNDERGRADUATES MSN ENGR OPERATIONS	(133-A715)	6,900.00
12.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ALICE A. THORNGATE SCHOLARSHIP MSN HS-A H MED TECHNOLOGY	(133-C794)	1,921.54
13.	MARQUIP, INC PHILLIPS, WI SCHOLARSHIPS IN ELECTRICAL AND COMPUTER ENGINEERING AND MECHANICAL ENGINEERING MSN ENGR	(133-E654)	1,000.00
14.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHEMICAL ENGINEERING SCHOLARSHIP FUND MSN ENGR CHEMICAL ENGR	(133-F716)	1,000.00



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15.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI COLLEGE OF ENGINEERING SCHOLARSHIP FUND MSN ENGR OPERATIONS	(133-F731)	10,300.00
16.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MCELVAIN OUTSTANDING ACHIEVEMENT AWARDS TO GRADUATE STUDENTS MSN L&S CHEMISTRY	(133-F784)	3,750.00
17.	MYRON KUHLMAN BEAUMONT, TX RUTH MILLER KUHLMAN SCHOLARSHIP MSN L&S CLASSICS	(133-G890)	1,450.00
18.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SPECIAL SUMMER PROGRAMS SCHOLARSHIP FUND MSN EDUC GENERAL ADMIN DEAN'S OFF	(133-G930)	8,000.00
19.	AT & T BELL LABORATORIES SHORT HILLS, NJ AT & T BELL LABORATORIES COOPERATION RESEARCH FELLOWSHIP PROGRAM MSN ENGR CHEMICAL ENGR	(133-J629)	2,466.00
20.	STATE FARM COMPANIES FOUNDATION BLOOMINGTON, IL STATE FARM COMPANIES FOUNDATION DOCTORAL DISSERTATION AWARD IN INSURANCE MSN BUS SCH OF BUSINESS	(133-M139)	10,000.00
21.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOLARSHIP AWARD FOR STUDENTS IN THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES-SHORT COURSE PROGRAM MSN AG&LSC ACAD STU AFF ADM SHORT C- G	(133-M143)	800.00
22.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOLARSHIPS FOR STUDENTS IN THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(133-M145)	750.00
23.	EASTMAN KODAK COMPANY KODAK FELLOWS PROGRAM GRADUATE FELLOWSHIPS MSN HS-MED PHYSIOLOG CHEM	(133-M166)	15,905.00
24.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PATRICIA A. CHENEY SCHOLARSHIP FUND MSN L&S SCHOOL OF MUSIC	(133-M192)	1,000.00
25.	WISCONSIN ROAD BUILDERS ASSOCIATION MADISON, WI SCHOLARSHIP IN CIVIL & ENVIRONMENTAL ENGINEERING MSN ENGR CIVIL & ENV ENGR	(133-4867)	500.00

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26.	PHI DELTA EPSILON GRADUATE CLUB MILWAUKEE, WI ANNUAL BARDEEN AWARD FOR OUTSTANDING WORK IN ANATOMY MSN HS-MED ANATOMY	(133-5444)	100.00
27.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOOL OF NURSING SCHOLARSHIP FUND MSN HS-NUR ADMINISTRATION ADMIN	(133-8872)	13,660.00
28.	WISCONSIN RURAL REHABILITATION CORPORATION MADISON, WI TEN SCHOLARSHIPS SUFFICIENT TO COVER RESIDENT TUITION FOR NEEDY PERSONS FROM WISCONSIN FAMILY FARMS WHO HAVE FINANCIAL NEED AND WHO ARE ENTERING OR CONTINUING STUDY IN THE SCHOOL OF NURSING RE- DUCED TO REFLECT ENROLLMENT OF ONLY SEVEN STUDENTS MSN HS-NUR ADMINISTRATION ADMIN	(133-8956)	2,257.50
29.	AMERICAN INSTITUTE OF REAL ESTATE APPRAISERS CHICAGO, IL AMERICAN INSTITUTE OF REAL ESTATE APPRAISERS GRADUATE SCHOLARSHIP AWARDS MSN BUS SCH OF BUSINESS	(133-9913)	3,000.00

## UNRESTRICTED

1.	DUPONT (E I) DENEMOURS AND COMPANY HOFFMAN ESTATES, IL DISCRETIONARY ACCOUNT IN THE DEPARTMENT OF MOLECULAR VIROLOGY MSN GRAD INST MOL VIR INST MOL V	(133-M135)	700.00
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TOTAL MADISON	18,022,345.31
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EXTENSION AND PUBLIC SERVICE	29,300.00
INSTRUCTION	279,502.25
LIBRARIES	2,863.00
MISCELLANEOUS	1,222,523.83
PHYSICAL PLANT	535,000.00
RESEARCH	15,754,054.04
STUDENT AID	198,402.19
UNRESTRICTED	700.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - MILWAUKEE

## GIFT-IN-KIND

1. AMERICAN INSTRUMENTS, INC.  
PORT READING, NJ  
GIFT OF AT&T MODEL 6300 WITH 30 MB HARD DISK,  
HIGH RESOLUTION COLOR MONITOR, HARDWARE INTERFACES  
FOR DIFFRACTOMETER DONATED TO THE DEPARTMENT OF  
CHEMISTRY  
AWARD # NONE  
MIL L&S CHEMISTRY
2. DIANE CHROMIK  
MILWAUKEE, WI  
GIFT OF 3 LARGE AREA RUGS DONATED TO THE UWM  
DAY CARE CENTER  
AWARD # NONE  
MIL EDUC DAY CARE CENTER
3. JEFFREY KANE & CYNTHIA LOWENSTEIN-KANE  
MILWAUKEE, WI  
GIFT OF 8 BOWLING BALLS, 1 6FT. WOODEN TOY BOX,  
1 ROOM HUMIDIFIER, 1 VAPORIZER, 1 DISHWASHER, 1  
STOVE, AND 1 RUG DONATED TO THE UWM DAY CARE  
CENTER  
AWARD # NONE  
MIL EDUC DAY CARE CENTER
4. CHARRETTE CORPORATION  
MOBURN, MA  
GIFT OF A CHARRETTE MODEL CAMERA, MODEL MC-150,  
SERIAL #01224 DONATED TO THE SCHOOL OF  
ARCHITECTURE AND URBAN PLANNING  
AWARD # NONE  
MIL ARC&UP ADMINISTRATION ADMIN
5. UWM FOUNDATION, INC.  
(RALPH RESEHOEFT)  
MILWAUKEE, WI  
GIFT OF PAINTING BY KARL PRIEBE "YOUNG GIRL WITH  
OPAL RING" DONATED TO THE UWM SCHOOL OF FINE ARTS  
ART MUSEUM  
AWARD # NONE  
MIL F ARTS UWM ART MUSEUM ART MUSEUM
6. THE UWM FOUNDATION, INC.  
(ANGELA C. JACOBI)  
MILWAUKEE, WI  
GIFT OF PAINTED CERAMIC SCULPTURE "DAY DREAMS"  
BY VERNE FUNK, DONATED TO THE SCHOOL OF FINE ARTS  
ART MUSEUM  
AWARD # NONE  
MIL F ARTS UWM ART MUSEUM ART MUSEUM

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MILWAUKEE

## INSTRUCTION

1. DHHS, PUBLIC HEALTH SERVICE  
ROCKVILLE, MD  
UWM SCHOOL OF NURSING: NURSING CENTER - SILVER  
SPRING SITE  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # 1 D10 NU60026-01  
MIL NURS FNDTNS OF NURS'G FNDT NURS' (144-AA54) 186,470.00
2. DHHS, PHS, HEALTH RESOURCES AND SERVICES ADMIN  
ROCKVILLE, MD  
POST-BACCALAUREATE FACULTY FELLOWSHIP  
FOR THE PERIOD 10-01-87 THROUGH 08-31-88  
AWARD # 1 A23 NU00027-01  
MIL NURS ADMIN DEAN (144-AA84) 7,716.00
3. NATIONAL ENDOWMENT FOR THE HUMANITIES  
WASHINGTON, DC  
FEMINIST CRITICISM: ISSUES IN LITERARY THEORY  
SUMMER SEMINAR  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # FS-21770-87  
MIL L&S TWENTIETH CEN ST (144-AA62) 65,997.00
4. WISCONSIN ELECTRIC POWER CO.  
MILWAUKEE, WI  
A COMPUTER GRAPHICAL SIMULATION PACKAGE FOR  
POWER SYSTEM STUDY - PHASE TWO  
MIL ENG&AS ELEC ENGR&COMP S (133-J673) 12,000.00
5. UWM FOUNDATION  
(ICM #285)  
MILWAUKEE, WI  
INSTITUTE OF CHAMBER MUSIC PROJECT ASSISTANTS  
MIL F ARTS MUSIC (133-M087) 10,097.00

## MISCELLANEOUS

1. UWM FOUNDATION (FM90-FRIENDS)  
MILWAUKEE, WI  
FRIENDS OF WUWM  
MIL L&S WUWM ADMIN- SAL (133-C622) 85,285.00
2. CORPORATION FOR PUBLIC BROADCASTING  
WASHINGTON, DC  
NATIONAL PROGRAM PRODUCTION AND ACQUISITION GRANT  
FOR THE PERIOD 10/01/87 THROUGH 09/30/89  
MIL L&S WUWM ADMIN- GEN (133-M105) 33,845.00
3. CORPORATION FOR PUBLIC BROADCASTING  
WASHINGTON, DC  
COMMUNITY SERVICE GRANT  
FOR THE PERIOD 10/01/87 THROUGH 09/30/89  
MIL L&S WUWM ADMIN- GEN (133-M106) 109,375.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - MILWAUKEE

MISCELLANEOUS

4. UWM FOUNDATION  
MILWAUKEE, WI  
RESTORATION AND PRESERVATION OF COLLECTIONS IN  
THE GOLDA MEIR LIBRARY  
MIL LIBR A G S COLLECTION (133-M203) 12,445.00

RESEARCH

1. DHHS, OFFICE OF HUMAN DEVELOPMENT SERVICES  
WASHINGTON, DC  
REDUCING VIOLENCE TOWARDS U.S. CHILDREN:  
TRANSFERRING POSITIVE INNOVATIONS FROM SWEDEN  
FOR THE PERIOD 09-30-87 THROUGH 09-29-88  
AWARD # 90CA1331/01  
MIL DOCE PROFNL RSRC DVLP (144-AA46) 38,194.00

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

1) ALLERGENS OF ASPERGILLUS FUMIGATUS  
FOR THE PERIOD 09-01-87 THROUGH 08-31-88  
AWARD # 7 R23 AI218661-03  
MIL L&S BIOLOGICAL SCI (144-AA61) 44,100.00

2) EFFECTS OF PATIENT EDUCATION AND PSYCHOSOCIAL  
SUPPORT  
FOR THE PERIOD 09-15-87 THROUGH 09-14-88  
AWARD # 1 RO1 NR01539-01A1  
MIL NURS FNDTNS OF NURS'G FNDT NURS' (144-Z994) 74,466.00

3. UNIVERSITY CITY SCIENCE CENTER  
PHILADELPHIA, PA  
PRIME CONTRACTOR WITH DOE  
ENERGY ANALYSIS AND DIAGNOSTIC CENTER  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
MIL ENG&AS IND & SYSTS ENGR (144-AA83) 91,074.00

4. ENVIRONMENTAL PROTECTION AGENCY  
CHICAGO, IL  
ALGAL PRODUCTIVITY MEASUREMENTS AT GREAT  
LAKES WATER INTAKES  
FOR THE PERIOD 09-01-85 THROUGH 12-31-87  
AWARD # R005880-01-3  
MIL GRAD GT LKS ST, CTR F (144-X329) 4,516.00

5. INTER, FISH AND WILDLIFE SERVICE  
TWIN CITIES, MN  
ARCHAEOLOGICAL SURVEY OF SELECTED PARCELS AT THE  
HORICON NATIONAL WILDLIFE REFUGE, DODGE COUNTY,  
WISCONSIN  
FOR THE PERIOD 09-22-87 THROUGH 12-30-87  
AWARD # 30181 06197 FY87  
MIL L&S ANTHROPOLOGY (144-AA64) 4,015.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MILWAUKEE

## RESEARCH

- |     |  |            |           |
|-----|--|------------|-----------|
| 6.  | TRANSPORATION, DEPT OF<br>WASHINGTON, DC<br>DETECTION OF FLAWS IN CABLES AND BARS IN<br>PRESTRESSED CONCRETE STRUCTURES<br>FOR THE PERIOD 09-30-87 THROUGH 12-31-88<br>AWARD # DTFH61-87-C-00041<br>MIL ENG&AS CIVIL ENGINEER'G                    | (144-AA68) | 62,876.00 |
| 7.  | JACK E. LEISCH AND ASSOCIATES<br>EVANSTON, IL<br>PRIME CONTRACTOR WITH TRANS<br>AN ARCHAEOLOGICAL SURVEY OF THE VERONA BYPASS,<br>DANE COUNTY, WISCONSIN<br>FOR THE PERIOD 09-25-87 THROUGH 11-25-87<br>AWARD # 1201-04-01<br>MIL L&S ANTHROPOLOGY | (144-AA86) | 8,000.00  |
| 8.  | WISCONSIN SOCIETY FOR JEWISH LEARNING<br>MILWAUKEE, WI<br>ANNUAL ALLOCATION TO DEPARTMENT OF HEBREW STUDIES<br>FOR THE PERIOD 09/01/87 THROUGH 09/01/88<br>AWARD # CHECK NO. 1848<br>MIL L&S HEBREW STU  | (133-C663) | 2,000.00  |
| 9.  | MIDWEST THIN FILMS<br>MILWAUKEE, WI<br>CONSULTATION AND SURFACE ANALYSIS<br>MIL L&S PHYSICS  | (133-E596) | 1,000.00  |
| 10. | WISCONSIN DEPARTMENT OF NATURAL RESOURCES<br>MADISON, WI<br>AMBIENT AIR MONITORING COOPERATORS PROGRAM<br>AWARD # P.O. NRH 95695<br>MIL ENG&AS MECHANICAL ENGR   | (133-H618) | 3,390.00  |
| 11. | SHAW FUNDS/MILWAUKEE FOUNDATION<br>UWM FOUNDATION<br>MILWAUKEE, WI<br>SHAW DISTINGUISHED PROFESSOR IN<br>BIOLOGICAL SCIENCES.<br>MIL GRAD GT LKS ST, CTR F   | (133-H660) | 4,500.00  |
| 12. | AMERICAN CHEMICAL SOCIETY-PETROLEUM RESEARCH FUND<br>WASHINGTON, DC<br>SYNTHETIC APPROACH TOWARD PLANAR FOUR COORDINATE<br>CARBON<br>AWARD # PRF#18262-AC1<br>MIL L&S CHEMISTRY  | (133-K692) | 17,500.00 |
| 13. | AMERICAN CHEMICAL SOCIETY<br>THE PETROLEUM RESEARCH FUND<br>WASHINGTON, DC<br>THE DETECTION OF REACTION PRODUCTS FROM<br>SUBMONOLAYER COVERAGES OF REACTANT AT HIGH<br>PRESSURE<br>AWARD # PRF #18319-G5<br>MIL L&S CHEMISTRY                      | (133-K879) | 6,000.00  |

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MILWAUKEE

## RESEARCH

14.	WISCONSIN ELECTRIC POWER CO. MILWAUKEE, WI PROTECTIVE THIN FILM PROJECT MIL L&S PHYSICS	(133-K999)	25,000.00
15.	MT SINAI MEDICAL CENTER MILWAUKEE, WI RESEARCH FACILITATION MIL NURS FNDTNS OF NURS'G FNDT NURS'	(133-L469)	10,492.00
16.	UNION INTERNATIONAL CONTRE LE CANCER GENEVA, SWITZERLAND INTERNATIONAL TRAVEL FELLOWSHIP AWARD # CHECK NO. 002595 MIL L&S CHEMISTRY	(133-M111)	2,300.00
17.	APPALACHIAN REGIONAL COMMISSION WASHINGTON, DC REFINEMENT OF A CASE-MIX SPECIFIC MEASURE: A MANAGEMENT TOOL TO EXAMINE IMPLICATIONS OF DRG'S FOR SMALL RURAL HOSPITALS FOR THE PERIOD 06/29/87 THROUGH 06/01/88 AWARD # 87-88 CO-967987Y13020512 MIL BUS AD CREDIT OUTREACH	(133-M127)	5,935.00
18.	ASSOCIATION OF COLLEGE AND RESEARCH LIBRARIES CHICAGO, IL WISCONSIN BIBLIOGRAPHIC INSTRUCTION MATERIALS CLEARINGHOUSE FOR THE PERIOD 08/15/87 THROUGH 08/15/88 AWARD # CHECK NO. 24889 MIL L&I SC SCH-LIB&INF SCI	(133-M141)	429.00
19.	RUSSELL SAGE FOUNDATION NEW YORK, NY THEORY PROBING AND TREATMENT REFINEMENT THROUGH META-ANALYSIS: EFFECTS OF PSYCHOEDUCATIONAL CARE WITH SURGICAL PATIENTS FOR THE PERIOD 10/01/87 THROUGH 01/15/89 MIL NURS FNDTNS OF NURS'G FNDT NURS'	(133-M188)	49,840.00
20.	EXXON PRODUCTION RESEARCH COMPANY HOUSTON, TX MECHANICAL PROPERTIES OF FRESHWATER FOR THE PERIOD 09/28/87 THROUGH 12/31/87 AWARD # PR-10767 MIL L&S GEOL&GEOPH SCI'S	(133-M195)	17,300.00
21.	MILWAUKEE COUNTY WAUWATOSA, WI PREPARING REQUEST FOR PROPOSALS FOR REUSE OF THE COAST GUARD STATION AT MCKINLEY MARINA FOR THE PERIOD 08/24/87 THROUGH 09/30/87 MIL ARC&UP ARCH&U P RES CTR	(133-M196)	3,000.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - MILWAUKEE

## RESEARCH

22.	REXNORD MILWAUKEE, WI COMPRESSION TESTS ON ROCK SAMPLES AWARD # CHECK NO. D99835 MIL ENG&AS CIVIL ENGINEER'G	(133-M197)	600.00
23.	COMPUTERIZED STRUCTURAL DESIGN MILWAUKEE, WI STRUCTURAL TESTS AWARD # CHECK #023834 MIL ENG&AS CIVIL ENGINEER'G	(133-9372)	4,400.00

## STUDENT AID

1.	EDUCATION, DEPT OF WASHINGTON, DC 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)	66,140.00
2.	EDUCATION, DEPT OF WASHINGTON, DC IN SUPPORT OF THE FOLLOWING:		
1)	PATRICIA ROBERTS HARRIS FELLOWSHIPS PROGRAM FOR THE PERIOD 09-01-87 THROUGH 08-31-88 AWARD # GO08715637 MIL GRAD DEAN'S OFFICE	(144-AA87)	25,800.00
2)	PELL GRANT ADMINISTRATIVE ALLOWANCE FOR THE PERIOD 07-01-86 THROUGH 06-30-88 AWARD # RO08702948 MIL STU AF FINANCIAL AID	PROV'L&SUP (144-Z665)	1,140.00
3)	DOCTORAL FELLOWSHIP PROGRAM TO TRAIN BILINGUAL EDUCATION ADMINISTRATORS AND TEACHER TRAINEES FOR THE PERIOD 09-01-87 THROUGH 08-31-88 AWARD # GO08525291 MIL EDUC COMMUNITY EDUC	(144-Z989)	19,040.00

TOTAL MILWAUKEE	1,116,277.00 =====
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INSTRUCTION	282,280.00
MISCELLANEOUS	240,950.00
RESEARCH	480,927.00
STUDENT AID	112,120.00



GIFTS, GRANTS AND CONTRACTS  
 NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - EAU CLAIRE

INSTRUCTION

1. EDUCATION, DEPT OF  
 WASHINGTON, DC  
 SPECIAL SERVICES TO DISADVANTAGED STUDENTS  
 FOR THE PERIOD 09-01-87 THROUGH 08-31-88  
 AWARD # GO08740637  
 EAU G AC A EDUCATIONL OPPOR (144-7034) 138,421.00

RESEARCH

1. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH  
 BETHESDA, MD  
 DNA REARRANGEMENTS IN DROSOPHILA CHROMOSOMES  
 FOR THE PERIOD 09-01-87 THROUGH 08-31-88  
 AWARD # 5 RO1 GM31106-0  
 EAU ART&SC BIOLOGY (144-8018) 100,332.00

TOTAL EAU CLAIRE 238,753.00  
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INSTRUCTION 138,421.00  
 RESEARCH 100,332.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - GREEN BAY

MISCELLANEOUS

1. ARTS MIDWEST MINNEAPOLIS, MN PRIME CONTRACTOR WITH NEA MIDWEST OPERA THEATRE 10-09-87 FOR THE PERIOD 10-01-86 THROUGH 10-09-87 AWARD # AGR DTD 05-19-86 GBY AC PRG ARTS & PRFORMNCS	(144-Y495)	1,925.00
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RESEARCH

1. GOLDSBY (ALICE I) GREEN BAY, WI GREEN BAY SEDIMENTATION STUDY GBY ENV SC SCI & ENVIR CHG	(133-G492)	500.00
2. WISCONSIN PUBLIC SERVICE CORPORATION GREEN BAY, WI RADON AND BUILDING SITES GBY ENV SC SCI & ENVIR CHG	(133-M178)	10,000.00
3. CLIFTON, JAMES A GREEN BAY, WI ETHNOHISTORICAL RESEARCH GBY CR COM HUMANISTIC STU	(133-M179)	200.00

STUDENT AID

1. 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 \$5,710.00 AWARD # R008702950, MOD. 1 GBY STU SV FINANCIAL AIDS	(144-Y222)	75.00
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TOTAL GREEN BAY	12,700.00
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MISCELLANEOUS	1,925.00
RESEARCH	10,700.00
STUDENT AID	75.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - OSHKOSH

GIFT-IN-KIND

1. PELTON COMPANY  
PONCA CITY, OK  
72 INTERNATIONAL TRUCK WITH GEORGE E. FAILING  
VIBRATOR, ACCELEROMETERS AND CABLES; PELTON  
ADVANCES: M-4 ENCODE SWEEP GENERATOR, M-4 VIBRATOR  
CONTROL/ELECTRONICS, M-5 DITTO, CONNECTORS & CABLE  
OSH L&S GEOLOGY
2. COCA-COLA BOTTLING COMPANY OF WISCONSIN  
OSHKOSH, WI  
TWO BASKETBALL SCOREBOARDS TO BE INSTALLED IN  
THE ALBEE HALL GYM  
OSH L&S HLTH, PE & RECR

INSTRUCTION

1. EDUCATION, DEPT OF  
WASHINGTON, DC  
IN SUPPORT OF THE FOLLOWING:
  - 1) FIPSE: CONTINUATION (NEW UNIVERSITY PROJECT)  
FOR THE PERIOD 09-15-87 THROUGH 09-14-88  
AWARD # GO08642133  
OSH L&S SOCIOL-ANTHROPOL (144-4472) 102,715.00
  - 2) DRUG PREVENTION PROGRAM FUND FOR THE IMPROVEMENT  
OF POSTSECONDARY EDUCATION  
FOR THE PERIOD 09-01-87 THROUGH 08-31-89  
AWARD # GO087300380  
OSH SP&SVS RESIDENCE HALLS (144-4473) 64,290.00
2. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH  
ROCKVILLE, MD  
GERONTOLOGIC POST BSN CERTIFICATE PROGRAM  
ARTICULATING WITH MSN  
FOR THE PERIOD 10-01-87 THROUGH 09-30-88  
AWARD # 5 D10 NU25225-02  
OSH NURS NURS-GRAD PROGS (144-4471) 97,206.00

TOTAL OSHKOSH 264,211.00  
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INSTRUCTION 264,211.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - PARKSIDE

## GIFT-IN-KIND

1. METAL WORLD, INC.  
RACINE, WI  
500 POUNDS OF STEEL OFF-CUT SHAPES  
PKS SC&SOC FINE ARTS ADMIN

## MISCELLANEOUS

1. MULTIPLE DONORS  
"EADIE KOCH SPECIAL ARTS FESTIVAL"  
PKS SL&C S CAMPUS UNION PROG OFFIC (133-J851) 348.30
2. MULTIPLE DONORS  
PARKSIDE PRINT WORKSHOP  
PKS SC&SOC FINE ARTS ART (133-K826) 125.00
3. MULTIPLE DONORS  
THE BICENTENNIAL OF THE U.S. CONSTITUTION  
CONFERENCE  
PKS SC&SOC EDUCATION (133-M056) 50.00
4. PRINTING DEVELOPMENTS, INC.  
RACINE, WI  
SUPPORT OF INSTRUCTION AND RESEARCH IN THE USE OF  
THE SCANNING ELECTRON MICROSCOPE AT UW-PARKSIDE  
PKS SC&SOC SCIENCE GEOLOGY (133-9575) 1,500.00

## RESEARCH

1. DOD, NAVY  
ARLINGTON, VA  
ELECTROMAGNETIC FIELD EFFECTS ON GENE  
EXPRESSION IN E. COLI  
FOR THE PERIOD 06-01-87 THROUGH 09-30-88  
AT A TOTAL COST OF \$123,824.00  
AWARD # N00014-87-K-0380, MOD. 1  
PKS SC&SOC SCIENCE BIOLOG SCI (144-Z617) 83,824.00
2. UW PARKSIDE ALUMNI ASSOCIATION  
KENOSHA, WI  
THE RACINE YOUTH NEEDS ASSESSMENT PROJECT  
PKS SC&SOC BEHAVIORAL SCI SOC-ANTHRO (133-L763) 500.00
3. JOYCE FOUNDATION  
CHICAGO, IL  
TEACHING FOR EXCELLENCE IN A MULTICULTURAL  
SOCIETY: AN EXPANSION OF THE "FELLOWS" MODEL  
FOR THE PERIOD 09-01-87 THRU 08-31-88  
PKS G E A CHANCELLORS OFF ADMIN (133-M147) 52,578.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - PARKSIDE

## STUDENT AID

1.	KAISER, DR. JEFFREY AND DIANE MILWAUKEE, WI POLCZYNSKI, JAMES J.--SCHOLARSHIP (PKS) PKS MOD IN BUS & ADMIN SCI ADMIN	( TRUST )	100.00
2.	UW PARKSIDE BENEVOLENT FOUNDATION KENOSHA, WI MUSIC SCHOLARSHIPS PKS BUS SV FELLOWS & SCHOLS	( 133-C489 )	500.00
3.	UW PARKSIDE BENEVOLENT FOUNDATION KENOSHA, WI PARKSIDE SCHOLARSHIP FUND PKS BUS SV FELLOWS & SCHOLS	( 133-9472 )	6,750.00
	TOTAL PARKSIDE		146,275.30 =====
	MISCELLANEOUS		2,023.30
	RESEARCH		136,902.00
	STUDENT AID		7,350.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - RIVER FALLS

## MISCELLANEOUS

1. AGENCY FOR INTERNATIONAL DEVELOPMENT  
WASHINGTON, DC  
DEVELOP A COMPREHENSIVE KNOWLEDGE OF SOCIAL AND  
CULTURAL PATTERNS WHICH EXIST IN RAWANDA AND  
ASSESS THEIR POTENTIAL FOR PROMOTING OR HINDERING  
THE REALIZATION OF AID FINANCED DEVELOPMENT  
PROJECTS  
FOR THE PERIOD 09-01-87 THROUGH 08-31-88  
AWARD # 698-0510-S-00-7046-00  
RVF AGRIC DEAN-COL OF AGR (144-0680) 96,355.00
2. FIRST NATIONAL BANK  
RIVER FALLS, WI  
DONATION TO PURCHASE AN EQUIPMENT TRAILER  
RVF I ATH PROG DIRECTION (133-0634) 1,500.00

## RESEARCH

1. NATIONAL SCIENCE FOUNDATION  
WASHINGTON, DC  
MECHANICAL EFFICIENCY OF KINEMATIC HEAT ENGINES  
FOR THE PERIOD 03-15-87 THROUGH 08-31-89  
AWARD # CBT-8705576  
RVF ART&SC MATH & COMP SYST (144-0730) 84,572.00
2. TENNESSEE EASTMAN COMPANY  
KINGSPORT, TN  
A SOLID, MOLASSES-BASED LICK BLOCK AS CARRIER  
FOR ORAL ADMINISTRATION OF ISO-ACIDS  
(EASTMAN ISOPLUS NUTRITIONAL SUPPLEMENT) TO  
LACTATING DAIRY COWS  
FOR THE PERIOD 09-01-87 THRU 09-01-88  
RVF AGRIC ANIMAL SCIENCE (133-0605) 1,000.00

TOTAL RIVER FALLS 183,427.00

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MISCELLANEOUS 97,855.00  
RESEARCH 85,572.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - STEVENS POINT

## INSTRUCTION

1.	UNIVERSITY OF FLORIDA GAINESVILLE, FL EUROPE'S INNER DEMONS: THE WITCHES AND THE JEWS FOR THE PERIOD 07-01-87 THRU 06-30-88 STP COLS HISTORY	(133-7108)	2,500.00
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## RESEARCH

1.	WI DEPT OF NATURAL RESOURCES MADISON, WI PESTICIDE MIGRATION CONTRACT FOR THE PERIOD 08-05-87 THRU 06-30-88 AWARD # NRH 95541 STP CONR NATURAL RESOURCS NAT RESRCS	(133-8423)	20,000.00
2.	WI DEPT OF NATURAL RESOURCES MADISON, WI EVALUATION OF BARNYARD IMPROVEMENTS ON GROUNDWATER QUALITY FOR THE PERIOD 07-16-87 THRU 06-30-88 AWARD # NRH 95385 STP CONR NATURAL RESOURCS NAT RESRCS	(133-8424)	10,000.00
3.	WI DEPT OF NATURAL RESOURCES MADISON, WI EVALUATION OF THE EFFECT OF STORMWATER DISPOSAL ON GROUNDWATER QUALITY FOR THE PERIOD 07-16-87 THRU 06-30-88 AWARD # NRH 95386 STP CONR NATURAL RESOURCS NAT RESRCS	(133-8425)	18,000.00

TOTAL STEVENS POINT	50,500.00
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INSTRUCTION	2,500.00
RESEARCH	48,000.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - STOUT

GIFT-IN-KIND

1. FORD MOTOR COMPANY  
DEARBORN, MI  
TRAINING AND CASE STUDY VIDEO TAPES  
STO I&TECH INDUSTRIAL MGMNT
  
2. CRAY RESEARCH  
CHIPPEWA FALLS, WI  
PROFILE PLOTTER, PLASMA LOCK UNIT, MICROCOMPUTER  
DIGITIZING TABLE, TWO HAZELTINE TERMINALS, ONE HP  
TERMINAL, ONE ULTRASONIC GENERATOR, ONE EXPANDER,  
ONE VACUUM PUMP  
STO I&TECH ENERGY & TRANSP
  
3. MOTOROLA, INC  
SCHAUMBURG, IL  
EPOXY DIE BONDER AND THICKNESS MEASURING DEVICE  
STO I&TECH ENERGY & TRANSP

TOTAL STOUT

.00

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GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - SUPERIOR

INSTRUCTION

1. NATIONAL SCIENCE FOUNDATION WASHINGTON, DC APPLICATION OF ELECTRONICS TO TEACHING HIGH SCHOOL PHYSICS AND COMPUTER SCIENCE FOR THE PERIOD 10-01-87 THROUGH 03-31-89 AWARD # TEI-8751349 SUP CONT E CTR FOR CONT ED	(144-0368)	37,392.00
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RESEARCH

1. BATTELLE COLUMBUS LABORATORIES COLUMBUS, OH PRIME CONTRACTOR WITH EPA INTERLABORATORY COMPARISON STUDY OF THE SEVEN-DAY CERIODAPHNIA TOXICITY TEST FOR THE PERIOD 04-01-87 THROUGH 09-30-87 AWARD # B715 (9-6) SUP U RES CTR-L SUP ENV ST CTR-LS E S	(144-0367)	6,174.44
TOTAL SUPERIOR		43,566.44
		=====

INSTRUCTION	37,392.00
RESEARCH	6,174.44

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - WHITEWATER

## INSTRUCTION

- |    |   |           |
|----|---|-----------|
| 1. | WI DEPT OF PUBLIC INSTRUCTION<br>MADISON, WI<br>PRIME CONTRACTOR WITH DED<br>TEACHER INDUCTION PROGRAM<br>FOR THE PERIOD 09-01-87 THROUGH 05-31-88<br>AWARD # LTR DTD 08-11-87<br>WTW EDUC DEAN OF EDUC DN OF EDUC (144-0004) | 25,000.00 |
| 2. | SCHOOL DISTRICT OF MUKWONAGO<br>MUKWONAGO, WI<br>PRIME CONTRACTOR WITH DED<br>TEACHER INDUCTION PROGRAM<br>FOR THE PERIOD 09-01-87 THROUGH 05-31-88<br>WTW EDUC DEAN OF EDUC DN OF EDUC (144-0839)                            | 19,300.00 |

## MISCELLANEOUS

- |    |  |                    |
|----|--|--------------------|
| 1. | WISCONSIN ARTS BOARD<br>MADISON, WI<br>PRIME CONTRACTOR WITH NEA<br>PAN-WISCONSIN - CULTURAL AFFAIRS PERFORMING<br>AND LIVELY ARTS SERIES<br>FOR THE PERIOD 07-01-87 THROUGH 06-30-88<br>AWARD # AGR #FY88-183<br>WTW SFS-DA SEG FEE S-ORG A SEG FEE SO (144-0477) | 15,500.00          |
|    | TOTAL WHITEWATER   | 59,800.00<br>===== |

INSTRUCTION	44,300.00
MISCELLANEOUS	15,500.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - CENTER SYSTEM

## MISCELLANEOUS

1.	ARTS MIDWEST MINNEAPOLIS, MN PRIME CONTRACTOR WITH NEA LECTURE-FINE ARTS SERIES FOR THE PERIOD 09-01-87 THROUGH 04-30-88 AWARD # AGR DTD 04-14-87 CNS MARSH STUDENT AFFAIRS LECT & F A (144-Z993)	1,174.00
2.	WISCONSIN HUMANITIES COMMITTEE MADISON, WI PRIME CONTRACTOR WITH NEH GUARDIAN OF OUR RIGHTS: OUR CONSTITUTION FOR THE PERIOD 10-01-87 THROUGH 12-31-87 AWARD # FY87-38(P) CNS MANIT LIBERAL STUDIES LIBERAL ST (144-AA66)	576.00
3.	WISCONSIN HUMANITIES COMMITTEE MADISON, WI PRIME CONTRACTOR WITH NEH DECIDING CONSTITUTIONAL ISSUES: IS THERE A RIGHT ANSWER? FOR THE PERIOD 10-01-87 THROUGH 11-30-87 AWARD # FY87-44(P) CNS MARSH HISTORY (144-AA72)	200.84
4.	MULTIPLE DONORS UWC-MARSHFIELD/WOOD COUNTY-LECTURE FINE ARTS CNS MARSH STUDENT AFFAIRS LECT & F A (133-L040)	375.00
5.	MULTIPLE DONORS DRAMA DONOR FUND CNS MARSH STUDENT AFFAIRS DRAMA PROD (133-L410)	718.53
6.	MULTIPLE DONORS CADAVER PURCHASE CNS WASH BIOLOGY (133-M110)	100.00

## STUDENT AID

1.	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 \$9,885.00 AWARD # RO08702949, MOD. 1 CNS CNS AD STUDENT SERVICES ST FIN AID (144-Y218)	1,360.00
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## TOTAL CENTER SYSTEM

4,504.37

MISCELLANEOUS	3,144.37
STUDENT AID	1,360.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - EXTENSION

## EXTENSION AND PUBLIC SERVICE

- |    |  |   |           |
|----|--|---|-----------|
| 1. | AGRICULTURE, DEPT. OF<br>WASHINGTON, DC<br>SHORT-INTERVAL LAND VALUE REPORTING<br>FOR THE PERIOD 07-08-86 THROUGH 12-31-87<br>AT A TOTAL COST OF \$50,000.00<br>AWARD # 58-319V-6000046, MOD. 1<br>EXT G EXT WIS SURVEY RES L  | (144-Y225)                                      | 46,300.00 |
| 2. | WISC DEPT OF NATURAL RESOURCES<br>MADISON, WI<br>CONTRACT FOR PROVIDING EDUCATIONAL AND<br>INFORMATIONAL SUPPORT FOR THE NONPOINT SOURCE<br>PROGRAM FOR THE PERIOD 07-01-87 THRU 06-30-91<br>AT A \$92,035. LEVEL<br>AWARD # 86-99000-E-00,01<br>EXT COOP E COM,N RSR&EC DV C,N R& E D | (133-K777)                                      | 47,730.00 |
| 3. | MILWAUKEE COUNTY DEPARTMENT OF PARKS,<br>RECREATION AND CULTURE<br>WAUWATOSA, WI<br>PARTIAL SUPPORT OF NATURE EDUCATION AGENT-<br>YOUTH FOR THE PERIOD 01-01-87 THRU 12-31-87<br>EXT COOP E CO&AREA OFC-S E  | (133-L246)                                      | 45,908.00 |
| 4. | MILWAUKEE COUNTY ZOOLOGICAL GARDENS<br>WAUWATOSA, WI<br>PARTIAL SUPPORT OF YOUTH EDUCATION AGENT-ZOO<br>FOR THE PERIOD 01-01-87 THRU 12-31-87<br>EXT COOP E CO&AREA OFC-S E  | (133-L247)                                      | 11,158.00 |
| 5. | MILWAUKEE COUNTY<br>WAUWATOSA, WI<br>PARTIAL SUPPORT FOR PROFESSIONAL STAFF PLUS<br>EXPENSES FOR PARAPROFESSIONAL STAFF FOR THE<br>PERIOD 01-01-87 THRU 12-31-87<br>EXT COOP E CO&AREA OFC-S E   | (133-L248)                                      | 91,726.00 |
| 6. | PROGRAM UNDERWRITNG FOR FY 88<br>EXT TELCOM WHA TELEVISION   | (133-L435)                                      |           |
|    | 2,300.00   | EDUCATIONAL COMMUNICATIONS BOARD<br>MADISON, WI |           |
|    | 5,500.00   | VALLEY BANKS<br>APPLETON, WI                    |           |
|    | 1,600.00   | BRUNSELL LUMBER & MILLWORK<br>MADISON, WI       |           |
|    | 1,000.00   | CRESS FUNERAL SERVICES<br>MADISON, WI           |           |
|    | 13,000.00  | THE SWISS COLONY, INC.<br>MONROE, WI            |           |
|    | 2,500.00   | PIZZA PIT<br>MADISON, WI                        |           |
|    | 5,000.00   | HOME SAVINGS<br>MADISON, WI                     |           |
|    |  |   | 30,900.00 |

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

## UNIVERSITY OF WISCONSIN - EXTENSION

## EXTENSION AND PUBLIC SERVICE

7.	EDUCATIONAL COMMUNICATIONS BOARD MADISON, WI PRODUCTION OF WISCONSIN MAGAZINE FOR FY88 FOR THE PERIOD 07-01-87 THRU 06-30-88 EXT TELCOM WHA TELEVISION	(133-L885)	56,000.00
8.	WEBCRAFTERS-FRAUTSCHI FOUNDATION INC. MADISON, WI SATELLITE CHAMBER MUSIC SERIES EXT TELCOM WHA RADIO	(133-M116)	1,000.00
9.	WISCONSIN RADIOACTIVE WASTE REVIEW BOARD MADISON, WI REVIEW OF CANADIAN CRYSTALLINE ROCK RESEARCH PROGRAMS FOR THE PERIOD 09-01-87 THRU 06-30-88 AWARD # 88014 EXT G&NH S WIS GEOL&NAT HST W G&N HIST	(133-M136)	3,989.00
	TOTAL EXTENSION		334,711.00 =====
	EXTENSION AND PUBLIC SERVICE		334,711.00

GIFTS, GRANTS AND CONTRACTS  
NOVEMBER 06, 1987

UNIVERSITY OF WISCONSIN - CENTRAL ADMINISTRATION

MISCELLANEOUS

1. EARNINGS ON SHARES REC'D IN ESTATE		
MARCUS, MARVIN FUND		
SA PRES	( TRUST )	354.17
	TOTAL CENTRAL ADMINISTRATION	354.17
		=====
MISCELLANEOUS	354.17	

NOVEMBER 06, 1987  
GIFTS, GRANTS AND CONTRACTS SUMMARY  
ITEMS PROCESSED 09-19-87 THROUGH 10-16-87

	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-	3,144	-0-	-0-	1,360	-0-	4,504
EAU CLAIRE	-0-	138,421	-0-	-0-	-0-	100,332	-0-	-0-	238,753
EXTENSION	334,711	-0-	-0-	-0-	-0-	-0-	-0-	-0-	334,711
GREEN BAY	-0-	-0-	-0-	1,925	-0-	10,700	75	-0-	12,700
LA CROSSE	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
MADISON	29,300	279,502	2,863	1,222,524	535,000	15,754,054	198,402	700	18,022,345
MILWAUKEE	-0-	282,280	-0-	240,950	-0-	480,927	112,120	-0-	1,116,277
OSHKOSH	-0-	264,211	-0-	-0-	-0-	-0-	-0-	-0-	264,211
PARKSIDE	-0-	-0-	-0-	2,023	-0-	136,902	7,350	-0-	146,275
PLATTEVILLE	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
RIVER FALLS	-0-	-0-	-0-	97,855	-0-	85,572	-0-	-0-	183,427
STEVENS POINT	-0-	2,500	-0-	-0-	-0-	48,000	-0-	-0-	50,500
STOUT	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
SUPERIOR	-0-	37,392	-0-	-0-	-0-	6,174	-0-	-0-	43,566
WHITEWATER	-0-	44,300	-0-	15,500	-0-	-0-	-0-	-0-	59,800
<b>TOTAL NOV 1987</b>	<b>364,011</b>	<b>1,048,606</b>	<b>2,863</b>	<b>1,584,276</b>	<b>535,000</b>	<b>16,622,661</b>	<b>319,307</b>	<b>700</b>	<b>20,477,425</b>
PREVIOUSLY REPORTED	2,830,566	8,378,350	479,726	3,722,676	81,314	75,856,011	24,612,654	30,418	115,991,715
<b>GRAND TOTAL</b>	<b>3,194,577</b>	<b>9,426,956</b>	<b>482,589</b>	<b>5,306,952</b>	<b>616,314</b>	<b>92,478,672</b>	<b>24,931,961</b>	<b>31,118</b>	<b>136,469,139</b>
<b>TOTAL NOV 1986</b>	<b>1,272,730</b>	<b>1,624,652</b>	<b>2,762</b>	<b>1,390,945</b>	<b>545,420</b>	<b>16,594,677</b>	<b>8,307,589</b>	<b>-0-</b>	<b>29,738,775</b>
PREVIOUSLY REPORTED	3,941,168	8,465,200	510,876	4,262,601	867,390	67,579,310	27,851,739	3,035	113,481,320
<b>GRAND TOTAL</b>	<b>5,213,898</b>	<b>10,089,853</b>	<b>513,639</b>	<b>5,653,546</b>	<b>1,412,810</b>	<b>84,173,988</b>	<b>36,159,327</b>	<b>3,035</b>	<b>143,220,095</b>
<b>FEDERAL TOTAL NOV 1987</b>	<b>73,600</b>	<b>1,007,133</b>	<b>-0-</b>	<b>790,483</b>	<b>500,000</b>	<b>14,089,508</b>	<b>126,165</b>	<b>-0-</b>	<b>16,586,889</b>
PREVIOUSLY REPORTED	1,124,897	7,559,795	-0-	1,024,336	54,313	50,222,548	23,110,494	-0-	83,096,383
<b>FEDERAL GRAND TOTAL</b>	<b>1,198,497</b>	<b>8,566,928</b>	<b>-0-</b>	<b>1,814,819</b>	<b>554,313</b>	<b>64,312,056</b>	<b>23,236,659</b>	<b>-0-</b>	<b>99,683,272</b>
<b>FEDERAL TOTAL NOV 1986</b>	<b>611,835</b>	<b>623,853</b>	<b>-0-</b>	<b>745,218</b>	<b>545,420</b>	<b>13,465,216</b>	<b>8,002,683</b>	<b>-0-</b>	<b>23,994,226</b>
PREVIOUSLY REPORTED	1,245,770	7,188,608	107,952	977,747	225,426	44,805,146	26,183,370	-0-	80,734,019
<b>FEDERAL GRAND TOTAL</b>	<b>1,857,605</b>	<b>7,812,461</b>	<b>107,952</b>	<b>1,722,965</b>	<b>770,846</b>	<b>58,270,362</b>	<b>34,186,053</b>	<b>-0-</b>	<b>104,728,244</b>

**Resolution 3783:** Whereas, SG 17 of the Regents Future Study Group report reaffirmed the University System's commitment to the special needs of minority students, with specific proposals; and

Whereas, US minority enrollments, particularly those of black students, have declined drastically during the last ten years; and

Whereas, a number of racist incidents have recently occurred on campuses in the system, which tends to threaten campus tranquility and impacts negatively on recruitment and retention of minority students and faculty; and

Whereas, racism in any form is intolerable; and

Whereas, a university community should promote cultural and ethnic pluralism; and

Whereas, the obligation rests with the university system to take corrective measures to alleviate these serious problems;

Therefore, be it resolved that:

1. The Board of Regents condemns all acts of racism and/or cultural insensitivity anywhere in the UW System.
2. The Board of Regents encourages the development and implementation of studies and programs, such as multicultural ethnic understanding and acceptance workshops at all of the UW campuses.
3. The Board of Regents applauds and endorses President Shaw's leadership and new initiatives toward the elimination of racism and discrimination in all its forms, and the improvement of the status of minority faculty and students in the UW System.
4. The Board of Regents directs the University System to hold accountable those university administrative officers responsible for the implementation of policies and supervision of programs to meet the goals set by the Board of Regents and the State of Wisconsin.
5. The Board of Regents directs the UW System to make minority institutional and state aid programs, and other programs to enhance the recruitment of minority students and faculty, a top priority in state budget deliberations.



## A SHARED COMMITMENT

President Kenneth A. Shaw  
University of Wisconsin System  
November 5, 1987

I want to share with you both a formal report and personal perspective on where we stand in our historic commitment to improve educational opportunities for minorities in Wisconsin, and to suggest some directions for the future. I've titled these remarks "A Shared Commitment," because there are some things that the university must do, there are some things that we must do in concert with others such as DPI and VTAE, there are some things that minorities must do themselves, and there are some things that all of us can do as individuals and citizens of our communities.

Currently, I have the honor to serve as a member of the American Council on Education's (ACE) national commission on minority education. This distinguished group of twenty-five educators, employers, parents and citizens has as its charge the responsibility for examining the problem of declining minority participation in higher education--a problem that will, by the end of the century, involve one-third of our nation's population. It is our hope that the commission's findings and recommendations will alert the nation to the need for strenuous efforts to improve the education of at-risk youth at every level and to make the full participation of minorities in higher education a top national priority.

I expect that the findings and recommendations of this national commission will not only be important to the nation as a whole but also to our future efforts in Wisconsin.

My report to you is accompanied by two very important documents that deal with this subject. The first is the UW System's Annual Report to the Regents

on Progress and Achievement of Goals for American Racial and Ethnic Minority Students. The second is Dr. William Kuepper's very interesting and provocative history of the development of Regent policies for minority and disadvantaged students in the UW System. I am sure that you will want to review thoroughly both documents. I have also provided you with additional information that supports and amplifies my remarks this afternoon.

If there were ever an area requiring humility, it is this one. As you will see from these reports, the problems are complex, multi-faceted, and are not unique to Wisconsin. I need not discuss the question of whether Wisconsin is doing better or worse than Michigan or any other state. My research reveals that every state has similar and serious problems in educating minorities; Wisconsin is no exception. No matter whether the indices used are enrollment, retention or graduation rates, it is clear that a serious gap exists between majority and minority students' academic participation and achievement.

The perspective I want to share with you is based not only on my sincere personal interest in this problem but also on firsthand experience in being part of a number of prior efforts in this country. Some were successful; others were not. I hope that my observations and recommendations will serve to stimulate serious consideration by our university and education colleagues, Board members, government decision-makers, and the citizens of this state.

Let me assure you that I have no pride of authorship. I earnestly hope that my comments will stimulate spirited discussion and creative efforts that will result in identifying and implementing better ways to address and resolve this pressing national issue. Regent Grover has indicated that his committee will hold hearings on this matter, and I look forward to the outcome of those proceedings. Once the hearings are completed, I will prepare specific recommendations for consideration by this committee and the Board of Regents.

My comments are in two parts: first, my observations; second, what I believe needs to be done and what we should do.

OBSERVATIONS

1. Minority education is a national problem. Let me state a few causes of this problem.

Increased poverty is a major reason for low educational achievement. Census Bureau reports and other studies at the national and state level show this clearly to be the case. The materials accompanying this report dramatize that fact.

Changes in financial aid policies are another factor. At the very time when minority family incomes have been decreasing, we have witnessed a parallel decrease in student aid (a 3% decrease in the last five years) and a significant shift away from grants to student loans. Again, back-up information is provided in the supporting documents.

It is also clear that minority higher educational achievement is adversely affected by inadequate academic preparation of many minority students prior to enrollment in college. Department of Public Instruction reports and studies conducted in the City of Milwaukee document this fact.

Even more complicated are the cultural and psychological factors that impact on academic performance and aspirations. The recent State Higher Education Executive Officers (SHEEO) task force report on this subject points out that such psychological and cultural factors as perception of discrimination, peer relations, satisfaction, and faculty attitudes are closely related to levels of college performance for many minority students.

2. Inasmuch as we have multi-faceted problems, any solution must take into account responses that involve all the key players in society. There are areas for which we must bear major responsibility. There must also be working

partnerships with others if our initiatives are to be successful. While we can help, the prime responsibility for solutions to some problems lies elsewhere and will require significant commitment from leadership in government, business, church, community organizations and other groups. For all of us to be successful, we must identify what is our responsibility alone, what should be shared, and what is the primary responsibility of others. The University of Wisconsin System must be prepared to accept responsibility for its part of the overall solution and to be accountable for its actions.

3. Minorities nationally and in Wisconsin are not a homogeneous unit. For example, the annual report indicates that most Asians, defined as a minority group by the Federal Government, are exceeding System goals in all areas: matriculation, retention and graduation. Excepted are certain Asians who have not had the same success, most notably Hmongs and other Southeast Asians. The report also shows that Hispanics and American Indians have improved in these categories while Black matriculation, retention and graduation have decreased. Therefore, our solutions must take into account that various minorities have their own distinct needs, history, culture and problems. There are also differences not only among various minority groups but within those groups. For example, the problems of Cuban Americans are quite different from those of other Hispanic Americans; middle class Blacks from suburban schools show academic performance similar to majority youngsters from that same environment. We must recognize and appreciate those differences and focus on those groups which are most at-risk.

4. We must look beyond the usual reasons given in searching for solutions. For example, in reviewing student enrollment we need to know the work or other educational destinations of college age individuals who did not enroll in the UW System. VTAE research shows that VTAE Black student

attendance increased by 18% from 1981-82 to 1985-86, a time when UW System Black student enrollment decreased. In addition to VTAE, one must consider enrollment data from Wisconsin's independent colleges and universities. A comprehensive review of the total picture of minority enrollment in all of public and private postsecondary education may have both implications and better answers for how we might best identify and implement solutions.

We must also look more carefully at minority achievement in high school. A recent SAT study of Wisconsin students discloses that of those students who took the SAT test, a much higher percentage of minorities had less than a 2.0 high school average than is true of majority students. Students with less than a 2.0 average have little chance of being successful in college. Many of our campuses find that the typical student drops a half of a grade point in adjusting from high school to the rigors of college life.

While none of these points provides all the answers, they do suggest a need to look beyond the usual set of reasons given.

5. Minority enrollment increased slightly between the fall of 1986 and the fall of 1987. That is good news. This is significant because total enrollment decreased. Minority students now comprise approximately 4.65% of the student body, in contrast to 4.48% in 1986. The real challenge is to increase that number by improving the academic preparation of those students in high school.

6. While it is too early to have complete data, anecdotal evidence suggests that financial incentives offered to minorities make a big difference. The Lawton undergraduate minority retention grants and the AOP grants serve us well. Financial incentives are very important to minority students and their presence or absence will be key to our success in recruiting and retaining minorities in the UW System.

7. The System and its universities have made a strong commitment to providing educational opportunities for minorities. Dr. Kuepper's excellent history chronicles that commitment, beginning in 1972. Regents, faculty, administrators, and the executive and legislative branches of state government all have demonstrated substantial support that has been manifested in significant financial and human resources.

In terms of financial support, there are three main components--all contributing approximately one-third of the \$9 million provided: Systemwide state dollars specifically earmarked for this purpose; funds reallocated by the campuses; and extramural (principally federal) dollars. This shared investment represents a large expenditure of funds and demonstrates how seriously this matter is taken.

8. We need to build on and vigorously defend what has worked well here and elsewhere; we also need to be willing to change or eliminate those programs that have not worked. Your handout materials indicate some of our more successful efforts. These highlights will coincide with specific recommendations I will make later in this report. I believe that you will be impressed with the degree of success of many of our programs.

9. Part of our inability to achieve our goals is due to the best of intentions but unrealistic expectations. For example, in 1975, the Board, wanting to make a strong statement on these issues, established goals based on an assumption that the participation rate for minorities would be higher than that of the majority students and that substantial increases would come from non-resident minority students and from increased enrollment of older minority students. That never happened. In 1984, new recommendations established the goal of achieving an ethnic distribution in each freshman class equal to the ethnic distribution in the Wisconsin public high school graduating class.

Retention, graduation, and graduate student attendance rates were tied to rates achieved by majority students.

These goals, also, have not been attained. As we strive to do better, we must engage in a reality check on the 1984 goals. For example, if in attempting to reach the first goal of achieving an ethnic distribution equivalent to that of the Wisconsin high school graduating class, we admit a large number of at-risk students (those earning less than a C average; those not having the requisite pre-college courses) the remaining goals of college retention, graduation and graduate school attendance become even more elusive.

10. Some institutions, by their nature and location, are more attractive to minorities than others. Common sense would suggest that we not attempt to force minority students into specific campus choices, but rather to guide them to locations where they will feel most comfortable. In terms of numbers: Madison, Milwaukee, Whitewater, and Parkside have the largest number of minority students. They serve 5,570 minority students, 75% of the total number in our System. By adding Oshkosh, Stevens Point, and the Centers, one finds that 87% of our minorities are served by those institutions. The handouts provide more detail on this subject.

No matter what percentages of minorities are served by any individual institution, all of our campuses should try to increase minority student participation. At the same time, we need to understand that minority student preferences should be honored. Even with good faith efforts on the part of all, some institutions will inevitably enroll more minorities than others. Future goals must recognize that reality.

11. Educational opportunities for minorities should be provided in all locations. This is important for at least two reasons. First, majority students need to be around students and faculty from different backgrounds and

cultures. Ours is a multi-racial and multi-cultural society, and we must all learn to take advantage of the richness this brings us. Conversely, racism and insensitivity are perpetuated by isolation.

Second, minorities should not be discouraged from attending certain institutions even though their number might be small. Some would prefer it that way and we should honor that preference and be grateful for that vital contribution to the campus environment.

12. While money alone will not solve the problem, it will be part of the solution. We must be prudent and realistic and invest in those endeavors that have the greatest potential for success. We must also make hard and difficult choices. However, to do all that can and must be done will require additional funds.

#### WHAT SHOULD WE DO?

First and foremost, we must reaffirm the longstanding belief that Blacks, Hispanics, American Indians, and certain at-risk Asians deserve increased opportunities for higher education. We must restate our belief that all of us benefit when disadvantaged groups receive educational opportunities equal to those of the majority. These suggestions, focusing on what the university, the schools, and the larger society can do, are designed to demonstrate that our commitment must be based on more than just words; it must be based on deeds, actions, and results.

#### OUR RESPONSIBILITY

1. The campus environment. Each university and center should evaluate its campus environment to determine how it can become more supportive of minorities. Racism or indifference cannot be tolerated and minority students and faculty should feel welcome and supported as full members of the academic community. Plans should be developed to change those aspects of the



environment that are not supportive. This is something that must receive continuing attention. Authors Richardson, Simmons, and de los Santos, in describing successful programs for minorities, suggest that enrollment of a specific minority group must approach 20% before special programs and special considerations are no longer necessary. Our campuses will never reach that point, so we must be consistently vigilant to ensure that we maintain a supportive environment. Student services, and curricular offerings must be designed to that end. Our curricular review should also focus on what majority students need to know to live in a heterogeneous society. Next year, ACE plans to publish a handbook offering specific suggestions on how to improve the campus climate, including an institutional audit and checklist. That information should assist the universities in their efforts.

2. Evaluation. We must improve and regularize our evaluation efforts. This means the development of a uniform evaluation approach. It also means that we must enunciate clear goals for our programs and put our efforts to the test. That which works should be continued and built upon. That which is not working should either be revised or eliminated. Alteration or elimination should be seen less as a sign of failure and more as an opportunity to improve what we are doing to use our resources most effectively.

3. Recruitment. Campus recruitment efforts should be improved without the need for additional dollars--we must "work smarter." Campuses would do well to involve minority students and minority alumni in recruitment since both can speak on a firsthand basis to minority concerns. In addition to being economical, it would also help institutional representatives to understand better the campus environment from a minority perspective.

There should be less of a premium on numbers and more of a premium on recruiting students who can be academically successful at our universities.

Recruitment goals should be campus-specific, but they should fit into the larger System plan. The targets for minority student enrollment should realistically reflect an institution's ability to recruit minorities who can be academically successful in that learning environment.

Under this approach, the Minority Information Center would be greatly expanded but its focus would be on information and counseling--not on recruiting. Colleagues from VTAE, DPI, and the private colleges would be invited to work with us in this endeavor so that information provided to students would illustrate options not only in the UW System but also in other postsecondary institutions. Under this approach, the UW Minority Information Center would become the Minority Educational Informational Center, providing counseling and information not only to high school students but also to others who have, for whatever reason, delayed their entrance into higher education.

4. We must deal with the financial barriers encountered by minority students. To expect an economically disadvantaged minority student to have a \$10,000 loan at the end of college studies is unrealistic. Therefore, we should press the federal government to ensure that minority students receive ample financial aid by emphasizing this point with our congressional delegation and with those who are in a position to influence presidential candidates.

At the state level, we should strive to extend financial aid for all students eligible under AOP and Lawton programs. These programs should be funded on a sum-sufficient basis, with new dollars targeted for those universities that enroll the greatest number of minority students.

For beginning students, we should implement the pilot program that involves five minority high schools and request increased funding in the next biennial budget to include all at-risk minorities. If this can be

accomplished and these programs become sum-sufficient, we would then be in a position to provide tuition assistance to all qualified at-risk minorities. To ensure that students are qualified and to justify expenditures of this magnitude, we must set standards; if students meet these standards we must be able to guarantee them educational opportunities. Following are some suggestions as to how this might be done:

A. For those minority students who meet the 1991 admissions requirements of 16 high school credits with the required academic distribution and who receive a 2.5 grade point average or better, we would guarantee tuition remission during the time they are engaged in meaningful study and remain in good standing.

B. For those students who have not taken the requisite courses or have a less than 2.5 grade point average, but are admissible to various institutions, we would administer diagnostic tests in math and English. Those with acceptable scores would also receive tuition remission. For those with academic deficiencies, we would suggest a number of alternatives including summer experiences and remediation at VTAE. Once a student attains successfully the expected standards, he or she would also be offered the same tuition guarantee.

The emphasis would be on preparation, on a student's commitment to academic study. Our commitment to provide tuition scholarships would be communicated to minority young people, as early as sixth grade, and would be a strong indication that there are rewards if they take their studies seriously and meet academic expectations.

5. Campus retention activities. We must continue our emphasis on retention and our environmental support programs on the various campuses. This will be necessary so long as we lack a critical mass of minority students

and so long as there are discrepancies in terms of academic preparation of minority and majority students. Thus, a minimum of funding must be available on all campuses, even those with limited numbers of minorities. Our evaluation system will help us determine what works and what doesn't work and how to improve programs. Each campus must have sufficient funding to offer a basic program; each campus must also be willing to reallocate for this purpose. Each campus should include an early warning system for immediate identification of entering freshmen in academic trouble so that these students may be referred for assistance to those that can be of help.

6. Recruitment of minority faculty and staff. We need to develop broad-based programs to increase the number of minority faculty and staff. Affirmative action must include new initiatives for recruiting and retaining more minorities in our workforce. These efforts should include the graduate student loan forgiveness program that will begin in 1989-90 and special System Administration activities, including a new minority newsletter and various networking projects. As you know, I have already convened a special committee on this topic. My recommendations in this area will await the committee's report, which I hope will be included in discussion at the hearings.

7. Goals. Our present approach to goals needs to be modified. While we may want to retain the long-range goals for admitting the same percentage of minority students found in the high school graduating class, we should regard it as a long-term goal. Realism dictates that it is not reachable until much more is accomplished at our level, in the public schools and in the homes and communities. We need to remember this each time we measure ourselves against this goal. Goals for the other areas--retention, graduation and graduate work--must be modified, however, until these students have achieved about the same level of success as the majority population. As long

as we admit minority students at-risk, (and we should), then we must acknowledge that our goals for enrollment, graduation, and graduate school require necessary modification. We should look soon to the day when major emphasis is placed on graduation as the index of campus success. As stated earlier, less emphasis should be placed on recruitment and more emphasis placed on ensuring that minorities have the necessary academic credentials to complete their work successfully within a hospitable campus environment.

8. We need more careful articulation, not only with DPI and VTAE, but also with the military, private institutions, and other areas that students choose after high school. We need to help minority students keep their options open. We need to help them understand how their involvement in one area can impact on different career ladders.

Let me now turn to those responsibilities that need to be shared.

#### SHARED RESPONSIBILITY

1. Educational partnerships. This can take a variety of forms. First, we need to cooperate with the public schools and VTAE to coordinate research on our students. More information is needed about the aspirations, after graduation patterns, and academic preparation of Wisconsin minority high school students. Is lack of college preparation the principal problem or is financial aid the biggest issue? Likewise, we need to know more about the goals and needs of minority VTAE students who may wish to pursue a bachelor's degree. More, also, needs to be known about why minority students who come to us leave before graduation. I recommend that we request the Superintendent of Public Instruction and the President of the VTAE Board to join with us annually to report on the academic preparation of minority students, their academic progress and achievements, and their transitions to the University of Wisconsin System. These joint reports would be a more comprehensive and

accurate picture of minorities in Wisconsin and would permit each of us to assist students more effectively.

There are several other ways that we can work together, including minority student articulation. We might ask the State Superintendent and the VTAE President to establish with us a tripartite working group on this subject. The group's responsibility would be to focus on developing appropriate data gathering and information systems, recommending improved articulation and transfer agreements, and suggesting cooperative program efforts that would keep minority students in school and on track toward receiving an education commensurate with their potential.

We can also cooperate in the pre-college arena. For example, we might wish to work together in developing a statewide center for minority pre-college education. The center could coordinate and encourage cooperative educational programming throughout the state and attempt to avoid duplication of efforts in the area of pre-college minority education.

A final area for increased cooperation is the education of minority teachers. We have been working with the urban superintendents to seek ways to increase the number of minority teachers. In 1989-90 we will initiate a modest minority teacher loan forgiveness program designed to provide teachers for areas with large numbers of at-risk students. The cooperative DPI/UW System Education for Economic Security Act (EESA) program performs much of the same function. I recommend an expansion of these efforts and others to help us produce more Black, Hispanic, and American Indian teachers. We should also seek the sound advice and counsel of those on the firing line to ensure that our teacher education programs, for all students, meet the needs of graduates going into areas with large numbers of at-risk students. Our colleagues in the public schools, and at DPI, can help us to ensure that our students are properly prepared.

THE RESPONSIBILITY OF OTHERS

Let me point out that we can and want to be helpful to others. In this category of our shared commitment, ours is a supportive role, not the major one. The recent national report, "Children in Need: Investment Strategies for the Educationally Disadvantaged," contends that a substantial number of reform strategies for the educationally disadvantaged that focus on the school system alone are doomed to failure. Effective strategies must address the broader needs of these children in their earliest years, and others can and must help.

1. Governmental responsibilities. At the state level, we must establish minority education as a major state priority and initiate reform efforts to deal with the underlying causes for the under-education of minorities. Using the "Children in Need" report as a guide, state leaders might explore ways to meet the entire needs of children within the context of school, family, and community and look at methods for funding and supporting meaningful reform efforts. Early education, child care, welfare reform, all relate directly to this area, and programs that attack poverty and discrimination should head the list.

2. Private sector responsibilities. Demographic realities require that the private sector work to deal with this problem. By the year 2000, minorities will comprise one-third of the workforce. I would encourage the business, professional, and trade associations to become more actively involved in assisting minority persons to aspire to college and to succeed in college. The private sector can become the driving force in the community in developing educational programs and funding for disadvantaged minority students. The private sector's investments in such projects are investments in the nation's workforce of tomorrow.



I want to commend the efforts of the Greater Milwaukee Committee in launching their One-on-One project, where citizens will work with a minority/disadvantaged high school student in a mentor relationship to assist each student in achieving solid academic performance and to improve their chances for educational success and rewarding employment. Another commendable effort is that of Inroads, in both Milwaukee and Madison, a privately supported program to recognize, develop and place talented minority youth in business and industry and to prepare them for corporate and community leadership.

Other cities have activities worthy of our consideration. Cleveland, for example, has developed a scholarship program funded by foundations and corporations to provide funds to high school students based on their academic performance--a way to attack the dropout problem in high school.

Another way that businesses can help is by developing summer internships for minority high school and college students. Boston business leaders have this arrangement with the city's high schools. There is much that can be done, and the private sector must take a lead role.

3. Responsibility of the schools. Reform is also needed in this area. Earlier, I talked about the academic underpreparation and effects of poverty on minority youth. "Children in Need: A Profile," estimates that 30% of the school population is educationally disadvantaged. An extraordinary amount of support within the schools and the communities will be required. We should stand ready to help.

4. Parental and community responsibility. Community groups and parents need to seek new partnerships and new ways to support the schools and the colleges and become involved in improving the education of their children. You are probably familiar with the Eugene M. Lang offer to support graduates



from his old grammar school in East Harlem. Lang was successful, not just because of the funds, but because of his personal involvement with those students. As Lang said, with the help of the community the students were restored to "full membership in the larger community." More community leaders and parents need to take charge and become involved in the lives of minority children.

5. Federal responsibility. We must also press the federal government to continue and to expand programs that work -- such as TRIO, Pell grants, Head Start, Upward Bound, and welfare reforms that provide educational opportunities.

In the past, we have traveled a road paved with good intentions. It is a road that has led to success and to failure because the problem of minority education is so formidable and the solutions are so complex. To provide educational equity and to ensure educational success for minority students requires that we walk down that road together with a shared commitment to realistically provide minority students with all the benefits, resources and opportunities of higher education to help them achieve their full potential.

I want to assure you that I am prepared to shoulder my part of that commitment as we walk down that road. I am confident that this Board, and the chancellors, faculty, staff and students within the UW System share a common commitment to help address and resolve this critical national priority. I also believe that others in education, government, business, labor, church and community will join with us in this commitment because they, too, recognize that the future of this state and nation depends in large part on the investment we make and the actions we take to ensure first class educational citizenship for all of our students.

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

From October 08, through November 05, 1987

I. CONTRACTS AWARDED:

A. UW-LACROSSE

1. 1987 Vine Street Parking Lot Improvements  
(8707-07)
  - a. Site Work  
Mathy Construction Co., Onalaska \$ 80,197.00
  - b. Electrical Work  
Wettstein & Sons Inc., LaCrosse 15,940.00
  - c. TOTAL CONTRACT AWARDS \$ 96,137.00

B. UW-MADISON

1. 1982 Gordon Commons Traffic Deck Repair/  
Replacement (8203-09)
  - a. All Work  
Reda Restoration, Madison \$ 21,713.00
2. 1985-87 Charter Street Heating/Chilling  
Plant Pipe, Equipment, Roof and Structural  
Frame Asbestos Removal/Reinsulation (8612-64)
  - a. Asbestos Abatement  
Michael T. Robinson & Associates, Madison \$ 54,900.00
3. 1987 Witte Hall Caulking/Masonry Repairs  
(8703-30)
  - a. All Work  
Raymond Restoration, Caledonia \$ 117,000.00
4. 1985-87 Van Hise Hall Sixteenth Floor  
Restroom Accessibility (8704-17)
  - a. All Work  
Sol-Terra Designs Ltd., Prairie du Sac \$ 6,880.00
5. 1987 Service Memorial Institute - Animal  
Room Seamless Flooring (8706-23)
  - a. All Work  
CAMACO, Inc., Neenah \$ 12,973.50
6. 1987-88 Charmany Farms - Vet Medicine  
Hay Barn Completion (8707-09)
  - a. All Work  
Square Corner Construction, Madison \$ 17,500.00

11/6/87

I-2  
II-1  
III-1

UW-MADISON cont.

- 7. 1987-89 University Avenue Steam Tunnel Asbestos Abatement (8708-22)
  - a. All Work  
HSA Contractors, Inc., Milwaukee \$ 21,163.00
- 8. 1987 Eagle Heights Apartment 911E Remodeling (8708-26)
  - a. All Work  
S.I. & Son Construction, Madison \$ 11,027.00
- 9. 1987 Memorial Union South Air Curtains (8708-27)
  - a. All Work  
All Mechanical Contractors, Inc., Milton \$ 19,041.00

C. UW-RIVER FALLS

- 1. 1987-89 Ewe Flock Housing and Animal Demonstration Building (8703-17)
  - a. General Work  
Holst Construction Inc., Prescott \$ 147,340.00
  - b. Plumbing & HVAC Work  
Hurlburt Plbg. & Htg., Durand 44,130.00
  - c. Electrical Work  
A.A. Hanson Electric, Inc., Osceola 24,550.00
  - d. TOTAL CONTRACT AWARDS \$ 216,020.00

D. UW-SUPERIOR

- 1. 1987-89 Old Main Steam & Condensate Distribution Piping Replacement (8709-02)
  - a. All Work  
Stack Brothers, Inc., Superior \$ 29,993.00

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

There are none to report this month.

III. REPORT OF ACTIONS TAKEN (MEMOS OF AGREEMENT)

*Dane County Head Start - Memo of understanding w/ School of Education, Superior, Item A*

- A. A Memorandum of Understanding with Dane County Head Start and the School of Education, Department of Educational Psychology whereby the Department's Psychoeducation Clinic will provide mental health consultation services to Dane County Head Start and, at the same time, provide an essential training experience for students in the Department's graduate program. The agreement is for the time period of September 1987 through May 31, 1988.

*UW-Extension Lease agreement*

B. On signature of the UW System Vice President for Physical Planning and Development, the following lease agreements have been entered into:

1. ~~with Southeast Wisconsin Regional Planning Commission, P.O. Box 769, Waukesha, WI 53187 for 120 square feet of office space at 916 N. East Avenue, Waukesha. This is the site of the office for the Southeastern Wisconsin UW-Extension Natural Resource Agent, The term of the lease is October 1, 1987 through June 30, 1988, with three one-year renewal periods from July 1, 1988. The rate includes all services.~~

*→ Nonrenewal of lease*

*Medical School - Lease agreement*

2. ~~with the Beaver Dam Hospital, Beaver Dam, WI for approximately 750 square feet of examination and related clinical space on the fourth floor of the Hospital. The space will be used by the Medical School's Department of Ophthalmology in support of a National Institutes of Health federally funded population-based study of approximately 5,000 adults living in the community to describe the frequency of incidence of eye diseases. The term of the lease is for the period beginning December 15, 1987 through December 31, 1992 with the option to renew for a five-year period from January 1, 1993. The annual rate will be \$5,280 and will increase 3% per year effective January 1, 1990 and each January thereafter, including the renewal period. The lessor is responsible for the cost of all services. The lease includes \$6,000 for remodeling by the lessor, with payment to be made from Grant funds. Rental payment will also be provided from grant funds.~~

*→ Nonrenewal of lease*

*Edgewood Farm - Lease*

C. ~~The UW-Madison Vice Chancellor for Administration has executed a lease with Mr. Darwin Frye for occupancy of the Beef Farm Residence at the Arlington Agricultural Research Station for the period November 1, 1987 through June 30, 1988. The monthly rate is \$142 and has been prepared consistent with the rental rate methodology established by the Joint Committee on Finance.~~

*→ Nonrenewal of lease*

*Waisman Center - Nonrenewal of lease for space at*

E. The UW-Madison Office of Space Management has advised the Division of State Facilities Management that it will not be exercising the renewal option for the space leased at 1601 North Sherman Avenue. This covered the one-year period from January 1, 1988. Rooms 22, 24, 26 and 29 have been leased since December 1983 to provide adult programming for the Waisman Center.

*→ Nonrenewal of lease*

F. The UW-Milwaukee Assistant Chancellor for Administrative Affairs has executed the following four lease agreements

*UW-Milwaukee - Budget Dept - Lease from*

1. ~~with Third Coast Design Coop for 888 square feet of space within Engelmann Hall (Room B11). The space will be used solely and exclusively for storage and sale of books and merchandise beneficial to architectural students and faculty. These sales are restricted solely to qualified Coop members and to present School of Architecture and Urban Planning faculty, students and all SARUP alumni. The Coop will pay the University a fee of \$5.19 per square foot computed on an annual basis. The initial term of this agreement is from July 31, 1987 through June 30, 1988.~~

- ✓ 2. with Milwaukee World Festival, Inc. for ~~the University's~~ lease of ~~the area commonly known as~~ "Summerfest Reserved Parking Lot" for the period September 2, 1987 through May 1988 for the fee of \$1.00. In exchange for such use, the lessee will pay the lessor \$4,000 as a facility improvement cost recovering charge. This charge is to serve as a partial offset of a fraction of the \$81,465 cost incurred by the lessor to pave the premises. In the event the lease is renewed, the lessee shall accept a similar cost recovery charge to a maximum of ten such charges, with seven remaining. (The practice which has been in place in previous years is being formalized by this agreement.)
- ✓ 3. with Milwaukee Area Technical College for <sup>office + classroom space</sup> the use of 4,770 square feet of classroom space and 3,186 square feet of office space classified as Group I space and an additional 3,097 square feet of classrooms classified as Group II space. The agreement details the times when these rooms are to be made available to MATC, with this element determining the grouping into which the space is categorized. The established rate is \$.41583 per net assignable square foot per month.
- ✓ 4. with <sup>Saukville</sup> James A. Reinartz, 3175 Blue Goose Road, Saukville, for occupancy of the field station house #2, ~~building 1903, with said residence a condition of employment as resident manager. The term of the agreement is July 1, 1987 through June 30, 1988, renewable for the duration of employment as a condition of employment. The lease term is \$80 per month for the specified year, for an annual rental of \$960.~~

G. University of Wisconsin Press Agreements:

X ref Experimental Field Stations - Lease of Saukville field station house #2 Nonpare Item F.1-4  
AUTHOR TITLE Nonpare. Item F.4.

C. Edward Arrington	The Rhetoric of Accounting
Charles Bazerman and James Paradis (editors)	Text and the Professions: Historical and Contemporary Studies in Writing in Academic and Other Professional Communities
Lynn Z. Bloom (editor)	Forbidden Family: The Wartime Memoir of Margaret Sams, 1941-1945
Martin Cadwallader	Human Migration: Approaches to Explanation
John Dollard	Caste and Class in a Southern Town
Jean F. O'Barr (editor)	Gender and Cultural Contexts: Feminist Reconstruction
Paul Plass	Rhetoric and Political Wit in the Historiography of the Early Roman Empire

David F. Prindle

The Politics of Glamor: Ideology  
and Democracy in the Screen  
Actors Guild

Abdi Samatar

The State of Rural  
Transformation in Northern  
Somalia, 1884-1985

Paul Spickard

Mixed Blood: Intermarriage and  
Ethnic Identity in Twentieth-  
Century America

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

OCTOBER 1987

UNIVERSITY	PROJECT	ACTION
1. UW-EAU CLAIRE:	Requested authority to plan, bid, and construct a 1987-89 Phillips Science Hall-Greenhouse Repair project, for an estimated total project cost of \$41,000 of 1987-89 General Fund Supported Borrowing - Maintenance Program funds.	APPROVED.
	* * *	
	Requested authority to plan, bid, and construct a 1987-89 Fine Arts Center - Asbestos Abatement project, for an estimated total project cost of \$63,000 of 1987-89 General Fund Supported Borrowing - Health, Safety, and Environment Program funds.	APPROVED.
	* * *	
	Requested authority to plan, bid, and construct a 1987-89 Fine Arts Center-Stage Tower Roof Replacement project, for an estimated total project cost of \$29,500 of 1987-89 General Fund Supported Borrowing - Maintenance Program funds.	APPROVED.
	* * *	
	Requested authority to plan, bid, and construct a 1987-89 Campus School Roof Replacement project, for an estimated total project cost of \$96,500 of 1987-89 General Fund Supported Borrowing - Maintenance Program funds.	APPROVED.
2. UW-GREEN BAY:	Requested authority to plan, bid, and construct a 1987-89 Chancellor's Residence Roof Replacement project, for an estimated total project cost of \$9,500 of 1987-89 General Fund Supported Borrowing - Maintenance Program funds.	APPROVED.