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MINUTES OF THE REGULAR MEETING

of the

BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

Madison, Wisconsin

Held in the Clarke Smith Room, 1820 Van Hise Hall
Friday, July 16, 1982
9:05 a.m.

- President Beckwith Presiding -

PRESENT: Regents Beckwith, Finlayson, Fish, Fitzgerald, Fox, Gerrard,
Grover, Heckrodt, Hendrickson, Jesinski, Knowles, Lawton,
O'Harrow, Schilling and Veneman

ABSENT: Regent Podlesny

Upon motion by Regent Fitzgerald, seconded by Regent Veneman, it was voted that the minutes of the annual meeting of the Board of Regents of the University of Wisconsin System, held on June 11, 1982, be approved as mailed to the members of the Board.

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REPORT OF THE PRESIDENT OF THE BOARD

President Beckwith announced that, due to timing of the biennial budget process, it would not be necessary to change the date of the December 1982 Board meeting.

✓ Appeals - Rudy Collum: NW-Parkside - request for review of termination of academic staff appt. assigned to Regent Fox for review. P. 1.
cx-reg - Regent Fox, Collum & UW-Parkside staff.

It was reported by President Beckwith that he had received a communication from Mr. Rudy Collum, requesting that the Board review the termination of his academic staff appointment at UW-Parkside. Noting that the Board may, but is not required to, grant a review on the record in such a case, Regent Beckwith recommended that a single regent be assigned to look into the matter, a procedure which had worked well in the past. No differing views were expressed, and Regent Fox was appointed to advise the Board with regard to Mr. Collum's request.

President Beckwith noted that information regarding regent committee appointments had been distributed to the members of the Board. (A list of standing committee appointments is attached as EXHIBIT A.)

✓ List the Comms. under Regent Comms & note each Regent assignment on their individual cards. (Exhibit A p 1).

(The Report of the President of the Board is continued on page 9.)

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REPORT OF THE PRESIDENT OF THE SYSTEM

It was moved by Regent Fox, seconded by Regent Finlayson and carried unanimously that the following resolution be adopted:

Resolution 2641: That the report of non-personnel actions by administrative officers to the Board of Regents and informational items reported for the record (copy on file with the papers of this meeting) be received for the record; and that actions included in the report be approved, ratified and confirmed.

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Speaking with regard to the Instructional Funding Report which had been presented the previous day at the Business and Finance Committee meeting, President O'Neil made the following statement:

"Yesterday afternoon, we devoted a good deal of time to a presentation and discussion of the Instructional Funding Report. At that time, I promised that this morning, with the lights all back on and no charts and graphs, I would offer several conclusions, recommendations and thoughts about next steps. Let me, therefore, start with what is, in effect, part two of my report on the instructional funding study.

"Clearly, the report is not self-executing. It describes conditions and consequences but does not prescribe remedies or solutions. The underfunding we find today is a consequence of a gradual process. If there is blame to be found, it surely rests on no one political party, nor with a single branch of state government. We in the University System may share some of the onus for having failed more forcefully or earlier to present these needs to state government. The solution must also be gradual, bipartisan and cooperative and must reflect a shared realization of the vital importance to the state, its economy and its welfare of a strong University System. The report is also consciously incomplete in certain respects. The instructional funding analysis omits any comparison of the Center System, simply because no apposite peer group could be found. Neither part of the report deals at all with the critical funding needs or the enormous contribution of UW-Extension. The Committee early recognized that appropriate comparison simply could not be made in the public service or outreach areas. Nor does the report in any way address state support for research, except in that small category of research joint products which Chancellor Penson described yesterday afternoon. In all three of these areas, additional work remains to be done if we are to have a complete analysis of the UW System funding situation and a full projection of our needs.

✓ Instructional Funding - Instructional Funding report presented & discussed - p. 2-7 & Exh B. ; p. 19. (x-ref - Enrollment Funding)

"Nonetheless, some solutions and recommendations may now be advanced. During our recent discussions, we had considered several possible approaches. One might, for example, have identified a specific target of either a dollar amount or a percentage level improvement in ranking and say that is what the goal ought to be for the next biennial budget request. We rejected that approach, however, partly because we realized there are no easy solutions to such complex problems as this report presents. We also felt that to set a dollar figure or percentage might, to some people, seem to be asking too little, while to others--particularly those outside the University community--a specific goal of that sort might seem unrealistically high in the current economic environment. Thus, as we bring this report to the Board, it does not contain a neat or simple or specific set of proposals. It does not say 'we might be at point "x" this year and point "y" the following year and point "z" the third year,' even though an approach of that sort would, in some ways, be very appealing. Rather, we thought it wiser to address the implications more broadly. Let me do so briefly under several headings.

"First, the eventual, ultimate goal must be nothing less than to remedy the hurtful consequences of this decade of decline. Surely, the UW System of today should be as well funded for its current mission as it was a decade ago for its mission at that time. Some might suggest that simply attaining the average of our respective peer groups would suffice as an objective. I do not believe we should settle merely for being 'average.' Historically, and even today, despite the underfunding, this state values higher education as more than simply 'average,' and support for its University System should reflect that commitment. While the instructional funding model is a high objective, it is a realistic one for us as well as for other states. So I would advocate the model as our goal, our eventual goal, rather than simply seeking to reach the median or the mid-point of our several peer groups.

"Second, while we recognize the serious condition in the state's treasury now and in the immediate future, it should still be possible to make some modest start in the next biennium. If the findings and conclusions of this report are accepted, as I believe they will be, then surely there should be no more talk of 'special' or 'preferential' treatment of the universities that have fared so badly in recent years compared to their peers, or even to themselves a decade earlier. If, in the next biennium, all of state government must again be cut--and that is a real prospect that none of us can avoid--then I would again ask that the special and urgent needs of the UW System receive special and favorable consideration as a probably bleak biennial prospectus is prepared.

"Third, and quite specifically, we will ask consideration and appreciation of the UW System's contribution to the state's economy. Through the committee chaired by Chancellor Swanson, we are now developing an inventory of current service to business and industry. In an environment where sophisticated technology and highly skilled human resources play an absolutely vital role, this University System is not simply another branch of state government. It is a source of solution and prevention to problems with which other branches of government must contend. The potential of our universities, their faculties and their laboratories to the economic revival and welfare of this state is enormous. We will be demonstrating that nexus in somewhat greater detail during the fall, as we bring a biennial budget request to this Board. We will also attempt to describe some ways in which the state's economy could have suffered during this period in part because its universities have

suffered, even though we should emphasize a more hopeful future rather than dwelling upon the past or even the present. Yet, as this state competes increasingly with its peers for domestic and international commerce, the critical contribution of a great university system needs to be better appreciated.

"Fourth, the model and any enrollment funding formulas hereafter used should reflect certain considerations not reflected wholly in the current enrollment funding formula. Specifically, account should be taken of inflationary pressures affecting those elements not specifically covered by the model--salaries, research, public service and physical plant--as well as the categories to which the model is addressed. Further, any formula or model should be expanded to reflect differing instructional costs by discipline and the additional costs of extended-day instruction. The findings of the fixed and variable cost analysis presented to the Board of Regents in the spring of 1980 and the Legislative Council Joint Study Committee that summer should be used to approximate the fixed and variable cost relationships for the instructional support area.

"The model is not static, but should be updated regularly as new data become available from the National Center for Educational Statistics for peer institutions and as new budget expenditure and enrollment data become available for our own institutions. In this ongoing process, it would be helpful to have in existence a permanent committee similar to the one which prepared this study serving in an advisory capacity for the purpose of refining, reexamining and applying the instructional funding model to budget development in this biennium and afterwards.

"Finally, the process of acceptance of this report is itself a major objective. We have distributed copies of the report to all interested persons. In the coming months, I hope that forums across the state--service clubs, alumni groups, community organizations and others--will give us a chance to describe again what we have brought before the Board yesterday and today. In that process, the whole University of Wisconsin System must be actively involved. Regents, chancellors, vice chancellors, deans, faculty, staff members and students all have a vital part to play.

"Let me conclude this part of my report, if I may, by quoting from a particularly eloquent and compelling paragraph in the report of the committee: 'It should be clear,' the committee wrote toward the end of the report, 'that the funding problems revealed by this study are not a recent phenomenon. The accumulated erosion of resources during times of enrollment growth did not occur simultaneously with recent revenue shortages or high unemployment. The financial deficiency of the UW System's universities has evolved over a number of years, some of them relatively prosperous years. Decisions were made to put off, suspend or reduce the funding of higher education. The state and its citizens must now deal with the ramifications of those decisions.'"

Regent Heckrodt stated that the report was a very positive one and that it clearly set forth the UW System's position. Noting, however, that it did not identify options for reaching the funding goals, he observed that means such as raising standards and curtailing access surely would be suggested as alternatives to increasing support, and he inquired as to President O'Neil's thoughts about responding to those types of proposals.

He would first suggest that access already had been limited in various ways, President O'Neil replied, indicating that was the case, for example, in those programs of high cost and high demand where the current resource situation had forced artificial enrollment limits. As Regent Heckrodt pointed out, he continued, the report had taken a positive approach, assuming that the state was once and still is willing to provide a high quality of education to all those students who are qualified and seek it. It did not assume that resources sufficient to that challenge would not be forthcoming. If, on full presentation of the case through the next biennial budget process and perhaps even the following one, it became clear that state government did not intend to provide a positive response, he thought it would be necessary to view the options differently. At this time, he felt one could look to the future with hope, believing that the history even of the recent past lent support to that kind of optimism.

Referring to the suggestion that presentations be made to community organizations, alumni groups and other gatherings, Regent Lawton asked if a condensation of the report and illustrative material could be prepared for such occasions.

President O'Neil indicated that sets of slides and overhead projections would be made available and that the executive summary of the report might be adaptable for that purpose.

Regent Schilling thought Regent Heckrodt had raised what would be an early question by legislators and others. The dilemma he saw in President O'Neil's reply was that a clear response to the report was not likely to be provided. Instead, he foresaw a continued downward spiral in which the University would be expected to maintain the current System with fewer and fewer dollars, and his concern was that continued across-the-board cuts in funding would force the University down the road to mediocrity. "I am wondering what those benchmark points might be when we change course and say, 'well, this is the model, this is what we need to have quality in this System, but if you are clearly saying "no," then we would like to reduce our mission, we would like to reduce our enrollment, if need be, so that we are left with something of quality and not just a large, mediocre System.'"

Speaking to the same point, Regent Beckwith remarked that budget constraints later in the year could be anticipated at this time. Since that would surely be the case, he felt the responsibility of the Board was to examine carefully all the options that might be available to function within the present budget or a smaller one, while at the same time advocating a budget that would restore the mission of the whole System to a higher level of funding. While he recognized that to present options also provided the Legislature with an opportunity to consider a smaller budget, he thought that simply to request what the System required to maintain the quality of its institutions and to fulfill its existing mission, without being prepared to deal with other alternatives, would not meet that responsibility. "The danger is that we will have happen again what has happened the last ten years; namely, that we will have a budget cut and it will not be tailored for the delivery of a different System but for the delivery of the same System in a diminished or a depreciated fashion. Therefore, I would urge that in this process this summer and fall that we be prepared to analyze other ways that we might deliver higher education, and the economic and budgetary implications of those other ways."

✓ Access/Quality - Related to findings in Instructional Funding report, p. 2-7 *Exh. B

It is especially difficult to reduce a higher education budget because of the many interlocking relationships which are not present in other situations, Regent Beckwith remarked, noting that if enrollments were reduced, tuition headcounts would be lost and if access to one university were restricted, the number of students enrolled at another might increase. It seemed to him, however, that the Board was in part responsible for what had happened in the past ten years because of its insistence on selling the mission of the University as it was given to the merged System and selling the budget to support it, while being faced repeatedly with decreases in funding which necessarily impaired fulfillment of that mission.

The funding situation had never really been presented to state government in the way it was set forth in the report, President O'Neil observed, indicating that he therefore did not view in the funding levels of the past decade a conscious decision by state government that this ought to be a less than first-rate university system or that higher education ought to be denied to substantial numbers of students. Secondly, he stated that he would not infer a final policy choice from short-term decisions, because in the next biennium and perhaps the one following, the resource base might not permit government to make the kinds of decisions that a more favorable economic climate sometime later would permit. Third, he felt it was important to bear in mind that enrollments would begin to decline in the second year of the next biennium and would continue to decline for about ten years at a rate between one and two percent per year for a maximum decline in the range of 12 to 15 percent. Therefore, if funding for the System were held essentially constant during that period, he continued, the resources available per student would increase even with no incremental resources in the base, apart from compensation and some other needs. "As we plan for the future and we talk about limited access, as indeed may become necessary, we should bear in mind the inevitable demographics of the period which begins in 1984-85."

Regent Fish recalled that when enrollment funding was presented to the Legislature, the Board of Regents brought up the problem of economy of scale as enrollments increased, and that he had said then if there is no economy of scale on the way up, there is no diseconomy of scale on the way down. Indicating that he was not sure the Legislature would feel that if there were fewer students the base could remain the same, he thought the University would be better served by a new model of funding. "We cannot change our pace constantly so that when enrollments increase we relate funding directly to increased enrollment, but when they decrease we do not deduct for decreases. Everyone wants an A-1 university, a first-class university; they just want it for less money. Our job is to, I think, communicate better that we do not want to limit access either academically or economically, and I think there are some ways to do it."

While he felt there was much to be said for speaking to service clubs and other groups, Regent Fish emphasized that it would be necessary to make the presentations interesting as well as instructional. He noted that slides could be shown which would provide such basic information as location of universities, their enrollments and how the budget was split, after which several illustrations of the funding problem could be given. In conjunction with that, he felt it would be advantageous to seek an outside source of funding--so that state funds would not be used--to have an in-depth, out-of-house survey conducted in order to find out what the people of the state really believe about the educational system. Stating that such a

survey, done in 1970, had been very beneficial, he indicated that another survey which was run some years later--not for the University but with peripheral questions pertaining to the University--showed some dramatic changes in public perceptions. He thought sources could be found to fund a new survey, adding that the results might contain some surprises and rectify misconceptions regarding public views of higher education.

If enrollments declined and funding remained constant, Regent Veneman pointed out, benefits could only be realized if there were budget cuts in programs and personnel. Referring to predictions that inflation would continue, he stated that budgetary difficulties would be even more aggravated without appropriate steps to cope with that problem. "If we are going to sit and expect that because of enrollment declines and demographics we will do some catching up, that just will not occur without additional steps coincident with that action."

Regent Beckwith recalled that when President O'Neil, Regent Knowles and he spoke recently before the Joint Finance Committee about the tuition increase, more than half of the Committee members made reference to access and expressed grave concern that access to University institutions not be limited. The linkage with providing necessary funds, however, had escaped. He thought Regent Fish's suggestion of a survey of public perceptions was an excellent idea and that it also would be helpful to speak to citizen groups. The fundamental point, he stressed, is to make clear the consequences of giving the University the responsibility of maintaining quality, without providing the funding needed to do so. "In the access area, as I said to the Joint Finance Committee, it is not access to deny the funds necessary to have enough class sections so people can graduate in four years. That is phony access."

While the Board of Regents would wish, first of all, for the System to be funded adequately, Regent Schilling said, if those amounts were not forthcoming, concrete examples of the consequences of less money must be provided. In addition, alternatives for maintaining a smaller but high quality system should be set forth, he stated, noting there was a tendency on the part of some legislators to believe that simply by virtue of the System's size, there was always more fat to be cut from budgets. "I think that gives us almost a two-pronged approach in that it not only tells the legislators and the citizens that less money hurts us in this System, but we are prepared to manage and recommend a smaller System, and that, too, will generate a response, because it means less access."

Inasmuch as the funding report was complicated and voluminous, Regent Knowles suggested it be condensed into a more understandable and readable version. "Second, I believe that in the final analysis the people of Wisconsin will decide what kind of university they want, through their duly elected representatives." Indicating that the best budget document he had seen as a regent was one having to do with the School of Veterinary Medicine, he said that it set forth clearly for the Legislature what could be done with given amounts of money. An approach of that kind, he felt, would be worthy of consideration.

(The Instructional Funding Report is on file with the papers of this meeting. A summary of the report is attached as EXHIBIT B.)

Sea Grant Program - 1982-83 award of \$1.9 million
announced, p. 8.

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Turning to matters of federal funding, President O'Neil reported that the Sea Grant Program had received a \$1.9 million award for 1982-83 from the National Oceanic and Atmospheric Administration and that an equal award for 1983-84 was under consideration. Despite a 15 percent cut in the national program, this award represented level funding for the Wisconsin program, which is among the four largest in the country, serving through its research, outreach and educational programs the interests of the entire state with respect to Great Lakes resources and environment. Although the program had been targeted for early elimination in the federal budget, it received very strong support in Congress, with the Wisconsin congressional delegation being particularly forceful in that respect. However, he cautioned, it should not be concluded that the program is totally safe for the period beyond the current fiscal year.

Federal Funding - Interim report on decline in federal funding for financial aid & research, p. 8. CX-ref - Financial Aid & Research

On the less bright side, President O'Neil referred to Chancellor Guskin's report to the Education Committee the previous day in which he had described the consequences of decline in support for federal financial aid programs. Indicating that a rather extensive survey of changes in federal funding had been compiled and was to be distributed to the Board the following week, the President said it dealt in considerable detail with the several financial aid programs and also contained a survey of five System institutions with respect to other forms of federal support for research and instructional programs. Reductions in actual awards had occurred in some cases, he said, and would undoubtedly continue in the next several years. While the magnitude of those changes varied considerably by institution, in almost every case the odds facing faculty members seeking research and other federal support would likely increase during the next several years. "The extent to which our institutions manage against these odds to hold their own or to even improve their position reflects the quality of their proposals and the accomplishments of previously funded projects."

Scott Bentley, President of the United Council of UW Student Governments, commented first on the financial aid study. Noting that both federal and state support had declined dramatically while tuition increased, he stated that students commended the effort being made to research all potential financial aid resources but would also like to have the opportunity to share in those efforts through service on appropriate committees. He added that United Council maintained the same perspective with regard to the instructional funding study, stating that the Board of Regents could utilize United Council as a liaison to students while extending the concept of shared governance.

With regard to the United Council funding mechanism, Mr. Bentley thanked the Business and Finance Committee for recommending retention of the mandatory-refundable fee. "This funding formula has allowed us to expand and professionalize our operation. We have existed for more than two decades, but only in the last two years has United Council been able to properly serve the students in the University of Wisconsin System both on the campus and in the Capitol." Other funding alternatives would diminish the organization's role from student advocate to student fund-raiser, he stated, adding that the mandatory-refundable fee had allowed United Council to articulate the needs of

United Council - comments by UC Pres. on funding mechanism, p. 8 & 9.

students on both the state and national levels, often enhancing the University's efforts. In conclusion, he indicated he would welcome a future opportunity to meet with the Business and Finance Committee to discuss a summer fee.

✓ Inter-system Coord - Comments by Regent Hendrickson urging continued cooperation by UW, VTAE & DPI, p. 9.

REPORT OF THE PRESIDENT OF THE BOARD (Continued from page 1)

In his final report as President of the State Board of Vocational, Technical and Adult Education, Regent Hendrickson spoke about cooperation by the UW System, the VTAE System and the Department of Public Instruction. "We have DPI, VTAE, the Center System, Extension and the 13 universities all in place delivering an excellent educational product. I think if you take them collectively, probably one of the best in the total 50 states." With the demand for skills today that were scarcely known 15 years ago, he said, there needs to be even closer cooperation among the systems. Noting that there would be many further changes in education during the coming years, he remarked that the advent of advanced telecommunications could result in development of an entirely new delivery system. Given severe restrictions on budgets for the foreseeable future, he thought there might be decisions ahead by the Legislature which would say "You can have 7 of this instead of 12; you can have 10 of this instead of 14; you can combine this or you have to eliminate that." In closing, he urged continued coordination among the state's educational systems and renewed efforts to increase cooperation. "Certainly, this experience on the Board has been one that I shall cherish, both for the sense of accomplishments that I know we are making, the contributions, and especially the friendships. And I thank you."

On behalf of the Board of Regents, President Beckwith thanked Regent Hendrickson for the outstanding service he had rendered.

As one who had served with Regent Hendrickson on both the Board of Regents and the State VTAE Board, Regent Grover commended him for his leadership of the VTAE System and for his many contributions as a regent. "I want to tell you that, from my standpoint, I can't thank Phil Hendrickson enough for the things that he has done."

✓ Hendrickson - Expressions of appreciation for service as a regent, p. 9. - - -

REPORT OF THE EDUCATION COMMITTEE

✓ Inter-system Coord - Biennial report of JACCE, p. 9 & 10 (X-ref - VTAE)

Chairman Schilling reported for the Committee.

Presenting to the Committee the Biennial Report of the Joint Administrative Committee on Continuing Education (JACCE), Vice President Lyall noted that the JACCE is one of three interagency joint administrative committees involving the VTAE and the UW systems, (the other two being JACAP (Joint Administrative Committee on Academic Programs) and JACPF (Joint Administrative Committee on Physical Facilities). The committees make recommendations on policy to administrators of the systems. Vice President Lyall then introduced the co-chairmen of JACCE, Patrick Boyle, Acting Chancellor of

UW-Extension, and Ronald Anderson, Director of the Southwest Wisconsin VTAE District in Fennimore. Dr. Boyle stated the general purposes of JACCE as improvement of communication between the two systems, cooperation in the use of resources and coordination of programming activities. The Committee, consisting of 18 members, functions at local levels through regional councils which are established with boundaries administratively convenient to the VTAE districts and UW institutions. The six regional councils include representatives from each of the VTAE districts and every UW institution.

Dr. Albert Beaver, System senior academic planner, reviewed in Committee some of the activities and achievements of JACCE during the last two years. In his comments, Dr. Beaver emphasized particularly the interagency committees on agriculture, business, government education/municipal services, home economics, and long distance learning/independent study. He indicated that a major accomplishment of the Joint Committee had been approval and implementation of guidelines specifying areas of responsibility and criteria to be used in the joint resolution of issues. A publication entitled "UW-VTAE Interagency Guideline Communications Model," describing the procedures to be used in the implementation of interagency guidelines, had also been approved and distributed. The biennial report was to be provided to government officials for their information regarding UW-VTAE interaction and communication. In addition, a report similar to that presented to the Education Committee was to be scheduled for presentation in a future meeting of the VTAE Board.

Regent Schilling said it was felt by the Education Committee that the JACCE report was indicative of the much-improved and well-working interaction between the UW and VTAE systems, about which he was especially pleased to report after what had just been said with respect to Regent Hendrickson's contributions in that regard.

A status report concerning the ongoing financial aid study was given to the Committee by UW-Parkside Chancellor Alan Guskin, chairman of the study group. Indicating that the study was approximately 30 percent complete, he outlined the principal issues involved and the actual changes which had occurred in state and federal financial aid policies, relating them to likely effects on students. Implications were that more students would be incurring greater indebtedness due to the decrease in grants, lack of available work (including the work study program) and increases in the cost of attending the University System. Basic questions under discussion included ways to increase grant and work funds and ways to utilize available monies most effectively in maximizing access to university education, along with consideration of low tuition as the most effective means for achieving access. It was noted that there had been discussions between the study group and the Higher Educational Aids Board. The study group on financial aid policies expected to present specific recommendations to the President in the fall regarding proposals for the 1983-85 biennial budget submission, as well as longer-range recommendations.

✓ Financial Aids - status report of study group on
financial aid policies, P. 10

Libraries, Co. of UW - presentation of first annual
report, p. 11 & 12.

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Regent Schilling stated that the Committee then received the first annual report of the Council on University of Wisconsin Libraries. The Council, consisting of library directors of 15 System institutions and four faculty representatives, was appointed in 1980 by President O'Neil for the purpose of augmenting mechanisms for cooperative library planning and providing a base of expert counsel on library matters. William Roselle, UW-Milwaukee Library Director and Council Chairman during 1980-81, presented the report, which included a summary as well as reports from each of the System institutions, the institutional documents being arranged under headings such as budget, technology, facilities, equipment, collection development, interlibrary lending, cooperation, user services, and others. Outlining major points of the report, he stated that acquisition budgets had not been funded to keep pace with inflation, resulting in a serious erosion of purchasing power to the extent that books, journals and nonprint materials needed by students and faculty were simply not being obtained. In addition, personnel allocations had forced reductions and curtailments of services, needed technological improvements in computer systems and media services were not being funded, and three campuses had severe library space shortages. Accordingly, it was recommended that immediate attention be given to the following three areas: (1) major funding increases for acquisitions budgets to offset inflation; (2) provision of funding to support new technological developments; and (3) funding to resolve the most serious library facility needs on several campuses.

Turning to the successes realized during the past year, Mr. Roselle cited the Wisconsin Interlibrary Loan Service (WILS) through which 49 participating libraries have direct access to all of the libraries of the UW System, with approximately 75,000 requests being filled during 1981. Other accomplishments included participation by all UW libraries (except UW-Extension and the Center System), via computer terminals, in the On-Line Computer Library Center (OCLC), which enabled cataloging of 450,000 titles and inexpensive production of 3.5 million cards for filing in library card catalogs. He also mentioned preparation of recommendations for improved library user instruction, development of a structure for minimizing duplicate purchases by UW System libraries, and a status study on computer applications and planning within the UW System. Discussion by the Education Committee related to the possibility of extending on-line computer services for cataloging and interlibrary loan functions to UW-Extension and the Center System, the impact of library deficiencies on the quality of education, and the relationship of budgeting for library acquisitions to the total UW System budget procedure. The Chairman complimented Mr. Roselle for his comprehensive report and the leadership that he, as well as his entire Council, had provided during the past year.

In discussion at the Board meeting, Regent Fox asked why the Center System and UW-Extension did not participate in OCLC, to which Vice President Lyall replied that it was basically a matter of cost.

Stating that he was impressed with existing interlibrary coordination, Regent Fox asked if there was any way to coordinate purchases of books so as to take advantage of volume orders. Regent Schilling felt that suggestion should be recommended to the Council for consideration.

Noting that for the Center System there was a single coordinated acquisition program through the library at the Fond du Lac Center, President O'Neil indicated that each university library handled virtually all its own acquisitions. He added that, as a consequence of work done by the Library Planning

Study Committee several years previously, there was greatly heightened awareness of areas of acquisition strength and, therefore, complementary collection development among the System libraries. There also was the startling realization that no single volume was represented in all UW System libraries. It might be useful in the next report of the Council, he thought, to reexamine those indicators of nonduplication and of complementary strengths.

✓ Faculty College - Report on 1982 Faculty College, p. 12
 CX-ref - Undergraduate Teaching Improvement Co. & TEACHINS

A report on the annual Faculty College was presented to the Committee. Describing the College as a program designed to provide leadership and encouragement for the improvement of teaching, Vice President Lyall indicated that selected faculty from all System institutions gathered once a year at UW Center-Marquette County to share experiences and to be exposed to master teachers from other System institutions and instructional leaders of national reputation from outside the System. System senior academic planner Karen Merritt briefly reviewed the background, structure and four-year history of the College, while Professor Peter Hoff, Executive Director of the Undergraduate Teaching Improvement Council, provided additional details about the annual four-day event. The College, he said, provides the opportunity for faculty to study teaching-related subjects with colleagues from other campuses and with four seminar leaders from outside the System. This year's College focused on discussion classes, patterns of problem solving, using computers to teach, and the ethics of reading, writing and teaching. Professors Anthony Ciccone, UW-Milwaukee, and Carolyn Sylvander, UW-Whitewater, added their observations as participants in this year's Faculty College, expressing enthusiasm about the success of the program. Every year four participants from each of the System's 15 institutions are enabled to attend the College, out of an average of 30-40 professors from each institution who volunteer to participate. The Committee concurred that it is unfortunate there are not more opportunities to recognize in this way the fine art of teaching.

✓ Expected Competencies - Discussion on development of systemwide statement of expected competencies, p. 12-16
 ✓ (also make ref. on the card to minutes of 2-82 & 3-82.

Regent Schilling reported that Vice President Lyall had commented at the Committee meeting about expected competencies for students entering System institutions. She distributed and briefly discussed her July 14, 1982, memorandum to chancellors dealing with the responsibility of the UW System, in cooperation with secondary schools, to address the problem of improving the success of students in their college careers and the efficient use of public resources devoted to education at all levels. The memo requested that each institution review and assess the adequacy of its present materials and methods of communicating the competencies it expects of entering students to counselors, parents, and to high school students themselves. Reports which were to be requested from all universities concerning the results of their review efforts would aid in communicating an overview of institutional practices to the regents and to other interested parties. A general statement regarding expected competencies, prepared by the System College Skills Council, had been provided to serve as a possible guide for more detailed consideration by individual institutions. Other widely distributed statements, one from the College Board and one from the California Intersegmental Committee, also were furnished. It was anticipated that a System report on expectations of competency could be completed for Regent review by early 1983.

✓ Admission of student - Disc. of admission standards as related to expected competencies, p. 12-16.

On the same topic, Dr. Lyall also called attention to the 1982-83 publication, Introduction to the UW System, which is furnished to high school counselors and prospective students. It included a letter from Vice President Lyall stressing that successful college work requires solid academic preparation in high school, emphasizing especially the skills of reading, writing, and mathematics that are essential to learning through the most common modes of college instruction. Similar points were to be the subject of a forthcoming issue of By-Line, a quarterly publication of the Higher Education Location Program, which is distributed throughout the state to high school counselors and others.

In discussion at the Board meeting, Regent Fox indicated he was unaware that the topic was going to be discussed at the Education Committee meeting and had received the materials only that morning. He considered the document prepared by the College Skills Council clearly inadequate, in view of his understanding of the charge the Council was to be given, which was to draw up a specific list of expected competencies in the areas of reading, writing and mathematics. "It seems to me that, when we have one out of four of our entering students requiring some remedial work, we have an obligation to communicate to students and parents what is expected of an entering college freshman in the System, with some specificity and with a unified statement." Noting that the statement produced by the Council was a very general one, he commented that young people and their parents could not get much information from such a document as to what students needed to know to start college. If the individual institutions put out their own lists of expected competencies, public awareness that there is something expected of freshmen throughout the System would be diluted, he pointed out, adding that individual statements also would tend to require students to decide in the eighth or ninth grade which campus they wished to attend in order to determine which list of expectations to consult. He felt it should be possible to provide a specific list of expected competencies on a systemwide basis.

Regent Grover said he could not imagine that expected competencies for freshmen would differ from campus to campus. "We have a System, and it would seem to me that we would expect young people to be brought to a level of competency in fundamental preparation, regardless of the institution they are going to in our System. In that sense, I think it ought to be a System expectation, not a campus expectation. Obviously, there ought to be campus input." It is not enough to indicate simply that entering students should have competency in writing, reading, oral communication, mathematics, and investigative skills, he stated, adding that in California the parents of every eighth grade child in the state were advised by the university systems that students should take science and mathematics for the remainder of their secondary school experience if they were going to be adequately prepared for post-secondary education. He hoped that the competency report would be specific in identifying the courses that should be taken to prepare for university-level work. That kind of document would serve as a guide by which DPI could share meaningful expectations with public elementary and secondary school systems, he emphasized, noting that curricula in local school districts are determined by 432 independent boards of education. As an example of the problem, he referred to an article in which a high school student said that in her senior year she took two English courses, one sociology course and one other course--no science or mathematics--in preparation for college. "Trying to turn that around, we can only use the moral authority of this Board and of this institution, and we are in an unusual situation where we are pressed to teach computer literacy in the third grade and remedial reading in the University."

He stated that there should be a uniform System expectation so that young people could be alerted earlier to what they needed to learn, but that the document prepared by the College Skills Council was not the kind of statement which DPI could utilize for that purpose. He expressed the hope, therefore, that the final document would be more specific and that it would not be done campus by campus.

It was his understanding that what had been presented to the Education Committee was not intended to be a finished product, Regent Beckwith said, adding that it also was his impression that the Board had not yet resolved the question of whether there should be a systemwide statement of competency for incoming students. "We have a long tradition--and I think it an appropriate tradition--of input from faculty and chancellors at the campus level before we resolve matters that we think are of systemwide concern. This is the process we are going through. I have learned that sometimes the process is worth just about as much as the product, so we want to be careful of how we go about it."

Indicating that he, too, regarded the report as an interim step in the process, President O'Neil remarked that he thought much progress had been made since the challenge was first raised by Regents Fox and Grover some months previously. Secondly, as a parent of a student about to begin the eighth grade, it was his impression that secondary schools were doing a considerably better job of counseling parents and students on the expectations of UW System universities than he would have anticipated. If that were not the case across the state, it seemed to him that closer collaboration between the universities and the secondary schools would be required to make such counseling universal. Therefore, he thought the problem, at least in substantial part, was one of communication rather than of substance.

As one who had served on the faculties both of the University of California and of the California State Universities, the President commented on the situation in those systems. Observing that they are homogeneous systems with homogeneous origins, he explained that undergraduate institutions of the University of California accept, under a master plan, only students in the top 12-1/2 percent of their high school graduating classes and, therefore, could speak to schools, students and parents in a way that is different from the experience of UW institutions. The California State University System is also highly homogeneous, he continued, with a tradition quite different from that in Wisconsin, as well as with a central administrative structure and a systemwide senate. "When one comes to an issue of this sort, it is at times tempting to look to other systems and to ask 'Why can't we do it that way?' It's neat. It's simple. It's clean. You can have one document that speaks for all the faculties, for all the administrations of all the campuses comprising the system." In his perception of the way decisions are made by faculties and chancellors in this System, however, the matter was much more complicated, and it would take much more time--if indeed it could ever be done--to achieve the degree of coherence and singleness of statement which was readily attainable in the California systems.

Regent Fox remarked that it was interesting to note that two systems in California could adopt a single statement, while in Wisconsin there seemed to be resistance in one system to doing so. Reading from the document presented to the Education Committee, he cited the following recommendation: "Within the UW System, the Council recommends that the faculty of each institution

specify basic skills and knowledge levels required for success at that institution." That did not appear to be movement toward a joint statement, he observed, adding that he understood the closest the Council had come in that regard was to agree to a short statement by Vice President Lyall in the publication Introduction to the UW System, advising prospective students in very general terms to acquire skills needed for university study.

Regent Beckwith pointed out that the various UW institutions do in fact have different admission requirements, which signal different levels of competency. At one four-year institution, he noted, no high school mathematics is required for admission, while at others high school courses in mathematics and science are needed. Stating that the question was whether that situation should be changed, he said it did not seem to him that those involved should be criticized if they were moving through the process of faculty/chancellor involvement toward resolution of that question. When the issue of sexual harassment was being considered, he added, it would have been much easier for the Board to tell the faculties of all the campuses what sexual harassment is and what is to be done about it. Instead, the faculties were asked to develop their own policies.

In response, Regent Fox emphasized that he was not suggesting that the Board set admission requirements for the institutions, but that there is an obligation to advise parents and students about what is expected of entering freshmen. It seemed to him more rapid movement in that direction would be advisable, inasmuch as remedial courses were being provided for such a large number of students.

Commenting on the process being pursued, Vice President Lyall explained that the questions involved had been discussed by the chancellors, the vice chancellors and the faculty representatives. She said there was strong feeling by those groups that in identifying competency expectations the institutions and the faculties which have responsibility for setting the standards for admission to those universities should be the ones to generate such statements. Therefore, the next step was to ask the institutions to examine their current practices and report on improvements they might wish to make in those requirements. Some institutions, she noted, were already moving in that direction, with UW-Eau Claire, for example, having adopted a new set of admission requirements and others examining the same kinds of issues. She emphasized, however, that faculty and administrators alike felt it must be "a bottom-up process if it is to be more than simply a hollow statement of nice requirements."

Regent Schilling observed that two different matters were being discussed: a set of basic competencies, which could be the product of the Board of Regents after consultation with the institutions, and admission requirements which were the responsibility of individual universities. Expressing agreement with Regents Fox and Grover, he favored developing a statement on basic competencies for the System as a whole, with any institution being able to require more by way of an admission standard if it chose. "We've talked about preserving quality. We can't afford to be doing remedial education at the expense of what the institutions are supposed to be teaching: higher education. We just can't afford that, and if economies are evident--and they are--remedial education should be the first to go."

Regent Beckwith asked Regent Grover if, when speaking of competencies, he meant a statement of what is expected in terms of skill levels and/or in terms of courses taken.

In response, Regent Grover said he was referring both to courses taken and expected content within the course structure. "I led the fight for merger on the Assembly floor, and it would seem to me that we could accomplish these kinds of things, that this does not in any way interfere with faculty governance or admission standards." The alternative, he felt, was to look at admission requirements and rank institutions on a scale of toughness, so that information in that regard could be provided to young people and guidance counselors. The Board should not back away from the fundamental issue of better informing prospective students, he stated, emphasizing that what is needed is to send a clear, informative signal to young people and local school districts. If that is not done, he thought the Board would have to address the matter of open admissions, which would bring up issues conflicting with the principle of access which the Board staunchly defended. "If we are not going to address open admissions, then we ought to send a mighty signal to young people that they ought to take part in what is available out there in a serious fashion. If this can't be accomplished--I think it's the easier way of approaching it--it seems to me then we have to take another avenue."

Expressing support for the process described by Vice President Lyall, Regent Lawton viewed the matter as being necessarily a cooperative venture between the UW System and the Department of Public Instruction, inasmuch as DPI is in the best position to get the message to local school districts and their students.

Regent Grover stated that DPI was firmly committed to doing so but that it would be presumptuous for the agency to attempt to communicate its perception of what University standards are when the University had not spoken to the matter with common voice. "The ordination is in the bringing forth of a strong document like this, and then give me an opportunity to get the road show out there, and we'll share that with every school board member in this state. And we will encourage and plead and give it great visibility." Expressing confidence that school districts would be responsive and that the results would be very positive, he urged the development of systemwide expectations.

Regent Fox added that he had no doubt Regent Grover would carry the message, as soon as he knows what it was. It seemed to him, though, that the Council, "instead of delivering one message, at least is heading in the direction of delivering 15 different messages. And it's just not necessary." While he realized the universities would have to continue teaching some basic skills courses because disadvantaged persons would still need that special attention, he also was aware that one out of every four entering students are not disadvantaged and should not require remedial work. He requested that in the future all materials on the subject of expected competencies be sent to all regents.

(X-ref. Ostmo)

Continuing the report of the Education Committee, Regent Schilling stated that the appointment of Patricia M. Ostmo as Dean of the UW-Eau Claire School of Nursing was announced. She had been serving as a professor of nursing at the University of Iowa.

Noting that appointment of deans had at one time required action by the Board, Regent Fish asked if that process had been changed.

President O'Neil replied that the appointment authority had been delegated, and Regent Beckwith added that regent involvement could be requested, although that was done only rarely.

The Committee then considered assignment of responsibility for soil and water conservation education and research per sec. 36.25(7), Wis. Stats., as revised by Chapter 346, Laws of 1981.

It was moved by Regent Schilling, seconded by Regent Finlayson and carried unanimously that the following resolution be adopted:

Resolution 2642: Whereas, Section 36.25(7), Wis. Stats., as revised by Chapter 346, Laws of 1981, assigned specific responsibilities regarding soil and water conservation education and research to the Board of Regents of the University of Wisconsin, and

Whereas, it is desirable that the UW Cooperative Extension Service and the UW-Madison College of Agricultural and Life Sciences act on behalf of the Board of Regents in carrying out the requirements of Section 36.25(7), Wis. Stats.,

Be It Therefore Resolved:

- (1) The UW Cooperative Extension Service and the UW-Madison College of Agricultural and Life Sciences are instructed to act on behalf of the Board of Regents in carrying out the requirements of Section 36.25(7), Wis. Stats., and
- (2) The UW System Vice President for Academic Affairs is authorized to sign, on behalf of the Board of Regents, agreements between the UW System and state agencies regarding implementation of Section 36.25(7), Wis. Stats.

✓ Agriculture & life sciences, College of - ~~College of~~ Responsibility
for soil & water conservation education & research
assigned to UW-Madison College of Ag. & life sciences
& UW Coop-Ext., R. 2642, p. 17
(X-ref. UW-Ext - Programs & Soil & Water Conservation)

Concluding his report, Regent Schilling presented Resolution 2643, which had been approved in closed session of the Education Committee, and moved its adoption. The motion was seconded by Regent Lawton and unanimously voted.

Resolution 2643: That, upon the recommendation of the President of the University of Wisconsin System and the Chancellor of the University of Wisconsin-Madison, the status of R. Byron Bird be changed from Vilas Professor, Department of Chemical Engineering, College of Engineering, UW-Madison, to John D. MacArthur Professor and Vilas Professor, Department of Chemical Engineering, College of Engineering, UW-Madison, effective immediately.

Professorship ~~MacArthur~~
John D. MacArthur

R. Byron Bird named
first John D. MacArthur
Professor, ~~at the~~ Dept
of Chemical Engineering
UW-Mdn., R. 2643, p. 18.
(X-reg - Bird)

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REPORT OF THE BUSINESS AND FINANCE COMMITTEE

The Committee's report was presented by Chairman Veneman, who indicated that the first two items of business were considered at a portion of the meeting to which all regents were invited.

In Committee, President O'Neil reviewed the proposed 1982-83 annual budget. Providing information about the reduced level of state support, he observed that while the losses in state appropriations were partially mitigated by a one-time fee increase, a 3 percent base reduction of \$12.4 million remained in the general operating budget.

Resolution 2644 was adopted unanimously, upon motion by Regent Veneman, seconded by Regent Fish.

Resolution 2644: That, upon recommendation of the President of the University of Wisconsin System, the University of Wisconsin System operating budget for the fiscal year July 1, 1982 through June 30, 1983, be approved in these estimated amounts:

Budget - 1982-83
operating budget
of \$1.2 billion
Approved, R. 2644,
p. 18.; balance
of \$200,000 - \$300,000
for 1981-82
reported,
p. 22.

State Appropriations	\$ 510,580,818
Other Funds	699,335,000
Total	<u>\$1,209,915,818</u>

That, pending action on the special GPR request of \$3,150,000 for permanent property included in the above totals, institutional spending plans shall be held to the appropriately reduced levels.

That System Administration is authorized to make final accounting changes including the distribution of budget supplements for classified compensation in accordance with the legislatively approved plan.

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Regent Veneman reported that the next matter presented at the Committee meeting was the Instructional Funding Report, which had been prepared by the Alternative Funding Study Committee, chaired by Chancellor Penson, UW-Oshkosh. President O'Neil, together with Chancellor Penson, highlighted the findings of the report, and the President remarked that it has potentially profound implications for the relationships between higher education, state government and the citizens of Wisconsin. (A summary of the report is attached as EXHIBIT B.)

✓ Federal funding - reduction of 5-10% anticipated for 1982-83, p. 19

The Committee then reviewed the monthly list of gifts, grants and U.S. government contracts. While the month's total of \$22 million was about \$3.4 million greater than in the first month of the previous fiscal year, Vice President Lorenz pointed out that an overall reduction in federal support of 5-10 percent was anticipated for the year as a whole.

It was moved by Regent Veneman, seconded by Regent Fitzgerald and carried unanimously that the following resolution be adopted:

Resolution 2645: 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.

Regent Veneman summarized consideration by the Committee of the funding mechanism for United Council of UW Student Governments. The funding history, the Subcommittee of Chancellors' report and four alternatives for future funding were reviewed by Executive Vice President Kauffman, who indicated that any changes would be effective in the fall of 1983. The four alternatives presented by Dr. Kauffman were: (1) continue the present funding mechanism of a mandatory-refundable student fee of one dollar per year per student at those UW institutions where student elections held at least every two years continue to approve referenda supporting this mechanism; (2) fund the United Council through each member institution's Segregated University Fee Allocation Committee (SUFAC) process; (3) change the present mandatory-refundable funding mechanism to a negative checkoff system beginning on July 1, 1983, for those institutions in the UW System where a referendum, held at the time of a regular student government election, approves this mechanism; or (4) change the present mandatory-refundable funding mechanism to a positive checkoff system beginning on July 1, 1983, for those institutions in the UW System where a referendum, held at the time of a regular student government election, approves this mechanism. In all cases, except through SUFAC, a student referendum at least every two years would be required. System Administration favored a checkoff system, either positive or negative, while the Subcommittee of Chancellors preferred the SUFAC process.

✓ United Council - continuation of mandatory-refundable student fee approved, R-2646, p. 19-22

The following representatives of student organizations addressed the Committee in support of the current United Council funding mechanism: Michael Chapman, Executive Director, United Council; Kathleen Quinn, President, and Jo Wolverton, Vice President, UW-Oshkosh Student Association; Eric Jernberg, UW-Milwaukee Student Association; Bonny Hawley and Doug Twait, UW-Green Bay Student Association. Written material from the UW-Superior Student Association was distributed to Committee members. Chancellor Shain, UW-Madison, suggested a funding mechanism for United Council and campus-based student organizations which would provide for a positive checkoff system following a student referendum supporting the fee collection, and Chancellor Richards, UW-La Crosse, commented briefly concerning the work of the subcommittee in developing its recommendation for use of the SUFAC funding mechanism.

Members of the Committee expressed the view that the present system was working in a satisfactory manner and that United Council was performing in a positive way. There also was discussion of requiring an annual audit of United Council records and a possible restriction limiting the use of funds for purposes of litigation in opposition to the University or its officers. The Committee Chairman then recommended that United Council continue to have annual audits and that these audits be made available to United Council directors and, through them, to the students on their respective campuses. The Committee was unanimous in its position that the present funding mechanism should not be changed at this time, and therefore, no action was taken to revise current procedures.

In discussion at the Board meeting, Regent Lawton said he thought the matter warranted thorough consideration by the full Board, inasmuch as the issue was a controversial one and many regents had not been able to attend the Committee meeting. Noting that in 1980 the Board had approved the present funding structure over the objection of administrators, he indicated that he felt particularly responsible for that action since he was one of its leading supporters.

For the purpose of discussion, therefore, Regent Lawton moved adoption of alternative 3, as presented in Dr. Kauffman's memorandum of July 6, 1982, to the Business and Finance Committee and other regents:

Alternative 3 - Change the present mandatory-refundable funding mechanism to a negative checkoff system beginning on July 1, 1983, for those institutions in the UW System where a referendum, held at the time of a regular student government election, approves this mechanism.

Although there was no second to the motion, President Beckwith indicated that there still could be discussion of the Committee's report on this matter.

Regent Lawton stated that he could not believe "an issue as sensitive as this with the chancellors and administration can be just brushed aside."

Regent Veneman pointed out that the matter had been very thoroughly considered by the Committee. "Everyone had an opportunity to appear before the hearing, both sides' positions were very thoroughly presented, and it was the Committee's reaction and conclusion that the mechanism should not be changed. It was not brushed aside. In fact, there was quite a long discussion."

His comment was not intended to reflect on the Committee's action, Regent Lawton responded, explaining that his reference was only to the fact that other regents had not had an opportunity to discuss the matter.

In response to Regent Lawton's concern, Regent Jesinski suggested approval of alternative 1, an action which would permit the full Board to participate in reaffirmation of existing policy. He, therefore, moved adoption of the following resolution, and the motion was seconded by Regent Veneman:

Resolution 2646: That Alternative 1, as stated in Executive Vice President Kauffman's memorandum of July 6, 1982, to the Business and Finance Committee and other regents, be adopted:

Alternative 1 - Continue the present funding mechanism of a mandatory-refundable student fee of one dollar per year per student at those UW institutions where student elections held at least every two years continue to approve referenda supporting this mechanism.

Although he did not consider such action necessary, Regent Fox said he would support the motion. He stated for purposes of the record that, in response to Chairman Veneman's questions about an audit, the Committee was informed by representatives of United Council that an annual audit is required in their constitution and that the audit is distributed to the Board of Directors, which communicates the audit report to the various student bodies.

Regent Beckwith inquired as to the reaction of United Council to distributing the audit to members of the Board of Regents as an informational item only, and Mr. Bentley replied that United Council would have no objection to doing so.

Regent Fish said he did not know why the Board should see an audit of United Council, providing that the audit is properly conducted.

Expressing agreement with Regent Fish, Regent Veneman added, however, that if any individual regent wished to see the audit, that is an option he or she should have.

He was comforted by assurances from the Council that the audit would be available, Regent Fish stated, adding that if complaints were received from students that the audits were not available to them or that the money was being frivolously spent, then might be the proper time for the Board to examine the situation. "Otherwise, it is a student council; it is the student council's funds, and I do not see why we should audit them except in the case of a complaint from the student body."

Indicating that he would like to see a copy of the audit, Regent Beckwith explained that he considered the request appropriate because the University functions as a collection agency for the money received by United Council. While he was not concerned about the type of activity for which the student organization spent its funds, he was concerned about assurance of honesty and protection against any misuse. If the University were not involved in the collection process, he said, he would agree with Regents Fish and Veneman.

Regent Heckrodt observed that one reason for regent support of the funding mechanism was that United Council is the only organization which regularly advises the Board about student views and activities. Indicating that he would like more information in that regard, he thought it would be helpful to have copies of United Council publications and meeting minutes, so as to gain a better understanding of what they were accomplishing.

Regent Beckwith recalled that one of the most eloquent presentations to the Joint Finance Committee in opposition to increasing tuition was made by the legislative representative of United Council. "She did an absolutely splendid job on behalf of the students."

Stating that he supported the motion, Regent Hendrickson complimented President O'Neil for giving United Council a place in his report to the Board. "They are listening to a different drum, and if we sit and listen to our own drum, we will never know what goes on."

Regent Lawton expressed dismay that there would not be compromise on an issue about which there were such widely divergent opinions--the chancellors insisting on funding through the SUFAC process and the students insisting on a mandatory-refundable fee. "I hope the students will not interpret my action here today as being opposed to the Council. I have been very supportive of it." Predicting that the question would be returned to the Board in the months ahead, he thought that at some time the Regents would need to find a compromise position.

Put to the vote, Resolution 2646 was adopted, with Regents Lawton and Fitzgerald voting "No."

Concluding his report, Regent Veneman stated that the Committee was advised by Vice president Lorenz that, with only a few weeks left to close out fiscal year 1981-82, it was quite certain there would be a small systemwide unencumbered balance of \$200,000 to \$300,000.

~~UW-Madison~~ ^{LW-MSK} ~~Blidyschmidt~~ General - announcement of campus tour, p. 22.

REPORT OF THE PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

The Committee's report was presented by Chairman O'Harrow, who noted first that he had been devoting some time to touring facilities at the various System institutions. Indicating that other regents always were welcome to join in such visits, he announced that arrangements would be made for an all-day tour of the UW-Madison campus, probably in September.

The Committee approved a major project concept and budget report for the UW-Madison Charter Street Heating Plant boilers 1, 2 and 3 flue gas recirculation systems at a cost of \$415,000 from GPR-general obligation bonding with authority granted to plan, bid and construct. The proposed modifications had

been studied on an experimental basis in the course of the past two years on boiler #1 under a federal Environmental Protection Agency- funded research program and had proved successful in increasing the overall efficiency of the boilers while reducing particulate emission. The increased boiler efficiency was estimated to result in a reduced fuel need of 1,860 tons of coal which, at the 1982-83 price of \$55 per ton, would produce an annual cost avoidance of \$102,300 and, therefore, a payback of 4.1 years on the total project cost.

Upon motion by Regent O'Harrow, seconded by Regent Hendrickson, Resolution 2647 was adopted unanimously.

Resolution 2647: That, upon the recommendation of the UW-Madison

Central Heating Plant

Approval of C & B report for flue gas recirculation system project, R. 2647, p. 23

Chancellor and the President of the University of Wisconsin System, the concept and budget report for the Charter Street Heating Plant Boilers 1, 2 and 3 Flue Gas Recirculation Systems project be approved at a cost of \$415,000 to be funded by GPR-general obligation bonding - energy conservation allocation and authority be granted to plan, bid and construct.

Cons on Charter St. Heating Plant should refer to "Central".
There is no such owl - emv

The next item considered by the Committee was a request for approval to sell a 193.5 acre parcel of land from the Starks Farm to the high bidder for \$87,500 with the proceeds to be received by the UW-Madison College of Agricultural and Life Sciences and used toward funding of the Starks Potato Farm storage facility which had been approved by the Board in April. The sale would be consistent with intentions discussed at the time this portion of the Starks Farm was acquired in an exchange of shares of common stocks for land and improvements in Oneida County, as approved by the Board in 1979. The property was appraised at \$71,600 (November 1980) and \$84,275 (January 1981), for an average of \$77,398.

Adoption of the following resolution was moved by Regent O'Harrow, seconded by Regent Fitzgerald and unanimously carried:

Resolution 2648: That, upon the recommendation of the Dean of the

Starks Farm - auth to sell portion of Starks farm to Betty Kuzmarski Proceeds to fund Starks Farm Potato Storage Facility. R. 2648, p. 23

College of Agricultural and Life Sciences, the UW-Madison Chancellor and the President of the University of Wisconsin System, authority be granted to sell a 193.5 acre parcel of land which is a part of the Starks Farm, to the high bidder, Betty Kuzmarski, Route 3, Rhinelander, Wisconsin. This property is more fully described as:

Part of the NE 1/4 and the SE 1/4 NW 1/4, Section 27, TN 37 N, R 10 E, Town of Stella, Oneida County

(X-ref. Kuzmarski, * Starks Farm Potato Storage Facility

The sale price is \$87,500, with the proceeds to be received by the UW-Madison College of Agricultural and Life Sciences and used toward funding of the approved Starks Farm Potato Storage facility.

Regent O'Harrow reported that the Committee approved granting authority for the Trust Officer or Assistant Trust Officer to accept a deed from the Wisconsin Alumni Research Foundation conveying to the University approximately 255 acres of agricultural land immediately north and northwest of the UW-Madison's Mandt Farm along Mineral Point Road. The parcel was initially offered to the Board for use by UW-Madison as replacement land for the College of Agricultural and Life Sciences in exchange for approximately 25 acres on the Rieder Farm, which was to be used as the site for a food merchandising center. After UW-Madison staff recommended against proceeding with this offer, the private commercial developer transferred interest in the 255-acre site to the Wisconsin Alumni Research Foundation, which purchased the land as a gift to the University. WARF wished to convey title at the earliest possible time and approval of the requested resolution would allow that to take place at closing on July 21, 1982.

It was moved by Regent O'Harrow and seconded by Regent Fitzgerald that the following resolution be adopted:

Resolution 2649: That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, authorization be granted to the Trust Officer or the Assistant Trust Officer to accept a deed from the Wisconsin Alumni Research Foundation conveying approximately 255 acres of agricultural lands immediately north and northwest of the UW-Madison's Mandt Farm along Mineral Point Road.

~~WARF~~
WU-MSA Bldg stands - Gen
Auth to accept deed
from WARF for
255 acres of ag land
near Mandt Farm
R-2649, p. 24 (x-ref WARF)

Regent Heckrodt commented that such expeditious action probably would not have been possible in private industry. "I think that it is fantastic the way this has gone through and the expediency with which it has been handled." Regent Beckwith added that the result also was extraordinary.

Resolution 2649 then was unanimously adopted.

Approval to exchange title of two parcels of land, one owned by the City of Madison (located between North Park and North Murray Streets) and the other owned by the University (located on College Court), was presented to the Committee. The property to be acquired by the University would be used as the site for fleet car operations, while the property to be acquired by the City of Madison would be utilized for eventual housing development, these uses being consistent with the approved UW-Madison Campus Development Plan. Because both were appraised at nearly identical values, an even exchange of property was recommended. It was noted that the exchange must also be approved by the Madison City Council.

Adoption of the following resolution was moved by Regent O'Harrow and seconded by Regent Hendrickson:

Resolution 2650: That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, approval be granted to exchange title with the City of Madison for property located between North Park and North Murray Streets for University-owned property of equal value on College Court. The specific parcels are identified on maps filed with the papers of this meeting.

u.w.-Madison - Buildings - Gen
Auth to exchange title w/ City of Mdn for property bet N. Park & N. Murray Sts for Univ. land on College Ct. for fleet car operation
 R-2650, P. 24-25. CX-ref - City of Madison, City of + Fleet Car operation

Regent Fish asked if there were improvements on either of the properties or any opportunity for relocation charges against the state, to which Vice President Winter responded in the negative.

Put to the vote, Resolution 2650 was adopted unanimously.

Regent O'Harrow stated that the Committee then considered a request for approval to lease 2,460 square feet of space (with the option to lease an additional 2,400 square feet) in a building located at 722 Hill Street, Madison, as the site of an anorexia nervosa clinical program conducted by the University Hospital and Clinics. It was indicated in the presentation by Dr. Arnold Brown, Dean of the Medical School, that finding appropriate space to house this program was very important to its success and that the present clinic averages 4,100 patient visits per year, which was expected to increase to 6,000 visits as additional space is available. The readjustment of these patients to normal family living patterns could take place in a halfway house setting such as the one proposed instead of in higher-cost hospital facilities. The lease would cover the period August 16, 1982, through August 14, 1985, with an option to extend the lease on the first 2,460 square feet for two more one-year periods. The option on an additional 2,400 square feet would be effective either October 1, 1982, or April 1, 1983, pending completion of administrative and financial plans for the Continuing Care Program portion of the clinic.

Resolution 2651 was unanimously adopted, upon motion by Regent O'Harrow, seconded by Regents Finlayson and Fitzgerald.

Resolution 2651: That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, authority be granted to lease 2,460 square feet of space in a building located at

722 Hill Street
Madison, Wisconsin

University Hill Plaza, Inc., Lessor
C/O Opitz Management, Inc.
502 North Eau Claire Avenue
Madison, Wisconsin 53705

Hospital & Clinics

Auth to lease space at 722 Hill St, Mdn, from Univ. Hill Plaza, Inc. for anorexia Nervosa clinic, R-2651, P. 25-26

CX-ref - Hill St, & Univ. Hill Plaza, Inc.

for the period August 15, 1982, through August 14, 1985, and that an option be secured for lease of an additional 2,400 square feet of space on the second floor, for the three-year period beginning either October 1, 1982, or April 1, 1983. Two additional one-year renewal options are anticipated for the total space requested. The per square foot rate will be \$6.00 (plus utilities and housekeeping) and will be supported from University Hospital and Clinics Non-GPR Program Revenues.

Two minor projects were approved by the Committee, one each for UW-Madison and UW-Milwaukee. At UW-Madison, a \$40,000 non-GPR, program-revenue supported project was to be the first phase of a Memorial Union kitchen drain replacement, while at UW-Milwaukee, the request was for release of \$10,000 of GPR-state building trust funds to develop plans for replacing the Central Plaza area in order to prevent leaking which was damaging the reinforced concrete parking structure beneath the plaza. Preliminary plans and estimated costs for a repair project, to be funded from the GPR-statewide appropriation for maintenance/health and safety, would be submitted to the Board in December. Chancellor Horton was present and urged the Committee's support of the request.

Regent O'Harrow moved adoption of the following resolution, and the motion was seconded by Regent Fitzgerald:

Resolution 2652: That, upon the recommendation of the UW-Madison and UW-Milwaukee chancellors and the President of the University of Wisconsin System, the following project requests be approved:

✓ Memorial Union - UW-Msh
Approval by

UW-Madison

~~Memorial Union Kitchen Drain Replacement Project, R 2652, p 26-27~~
~~\$40,000, Non GPR Program Revenues~~

UW-Milwaukee - Bldg + lands

✓ Approval by ⇒ Central Plaza Repair/Replacement Project (Planning),
~~\$10,000, GPR-State Building Trust Funds - Planning~~
R. 2652, p. 26-27.

Regent Lawton asked if any liability had been established for the original plans or installation of the plaza, noting that problems had become evident the first full winter after it was constructed.

Indicating that the plaza was really a flat roof over a parking structure, Regent O'Harrow observed that the difficulties with it were similar to those experienced with other roofs of that type.

It was clear that a mistake was made when the structure was built, Regent Hendrickson said, adding that correction of the problem would be costly.

The question was put on Resolution 2652, and it was adopted unanimously.

Regent O'Harrow reported the Committee approved purchase of a 0.09-acre parcel of land located at 515 West Pine Street in the City of Platteville at a cost of \$36,000 (plus \$5,000 for incidental expenses and relocation) from GPR-supported land acquisition funds. This parcel, located within the approved campus boundaries, was appraised in April 1982 at \$35,500 and \$37,000 for an average of \$36,250.

It was moved by Regent O'Harrow and seconded by Regent Fitzgerald that the following resolution be adopted:

Resolution 2653: That, upon the recommendation of the UW-Platteville Chancellor and the President of the University of Wisconsin System, authorization be granted to purchase a 0.09 acre parcel of land located at 515 West Pine Street, City of Platteville, at a cost of \$41,000, including \$5,000 for relocation and incidental expenses.

✓
 UW-Platteville - bldg st hands
 Auth to purchase parcel
 at 515 W. Pine St.
 R 2653, p. 27.

In response to a question by Regent Fish, Vice President Winter explained that the house was occupied by an elderly woman who was going to a nursing home.

Inquiring about how the amount allotted for relocation was determined, Regent Fish pointed out that in other cases relocation costs had turned out to be much higher than anticipated. Mr. Donald Gerhard, System Director of Environmental Affairs and Campus Planning, indicated that because the person involved would not be buying another structure, she would be eligible for a maximum of \$4,000. If the individual to be relocated were to buy another home, there would be eligibility for up to \$15,000. Through the plan as approved by the Department of Industry, Labor and Human Relations and the city in this case, he said, the woman would be entering a nursing home and the cost would likely be much less than \$4,000.

Regent Gerrard asked Chancellor Carrier if he did not consider the cost of the land to be quite expensive, to which the Chancellor responded in the negative.

While he intended to vote for the resolution, Regent Fish said he was still concerned about the relocation matter. "If she changes her mind, it could cost us a lot more money. And we've been down that road many, many times."

Put to the vote, Resolution 2653 was adopted, with Regent Gerrard indicating that his vote was between a "Yes" and a "No."

The next item considered by the Committee was the 1982 Campus Transportation Plan for UW-Oshkosh which was presented by Assistant Chancellor Dayle Balliett, who summarized elements of the plan, the accomplishments which had taken place in 1981, and goals for transportation model shifts and for vehicular and parking reductions.

Regent O'Harrow moved adoption of the following resolution, and the motion was seconded by Regent Fitzgerald:

Resolution 2654: That, upon the recommendation of the UW-Oshkosh Chancellor and the President of the University of Wisconsin System, the 1982 Campus Transportation Plan for the University of Wisconsin-Oshkosh, prepared in response to Resolution 2222 which directed each campus to base its transportation planning efforts upon Section 291 er. 36.11 (8m), Wis. Stats., be adopted.

Regent Lawton asked Chancellor Penson about the expansion of parking space for on-campus students.

Indicating that the parking area would not be expanded, the Chancellor replied that the University wished only to finish off parking spaces already in existence, as a part of the campus plan, and to ease the considerable problem of off-campus parking on city streets.

Regent Fish inquired about whether an increase in parking rates for the parking authority would be involved, to which Chancellor Penson responded that, while there were general increases from time to time, the plan would not trigger such an increase.

The question was put on Resolution 2654, and it was adopted unanimously.

Regent O'Harrow stated that the Committee reviewed a request from UW-Stevens Point to enter into an agreement to sell steam. The proposed agreement, which would run for seven years, was similar to those approved by the Board in July and October 1981 for UW-Eau Claire to sell steam to Sacred Heart Hospital and the District 1 Technical Institute in Eau Claire and in November 1981 to allow UW-Superior to sell steam to the Wisconsin Indianhead VTAE District. The hospital produced steam by the use of gas which, in the Stevens Point area, was approximately 70 percent higher in cost than steam produced by the University with coal. The pay-back of the cost to construct the steam line interconnect to the hospital was approximately seven years. As in the other instances in which such agreements had been developed, the University would benefit primarily by operating boilers at a higher and more efficient steam load during periods of low on-campus steam requirements.

Adoption of the following resolution was moved by Regent O'Harrow and seconded by Regent Fitzgerald:

That, upon the recommendation of the UW-Stevens Point Chancellor and the President of the University of Wisconsin System, approval be granted to the agreement developed between the University and St. Michael's Hospital, Stevens Point, for the sale of steam to the Hospital by the University, including construction by the Hospital of an interconnect for the movement of steam between the Hospital and the University.

✓ UW-Eau Claire - General

Stevens Pt.
Auth to sell steam to St. Michael's (Hosp, Stevens Point).
R 2655, p. 28-29. (X-ref St. Michael's (Hosp.))

Board of Regents Meeting 7/16/82

Regent Fish asked about potential liability if the University for some reason could not provide steam to the hospital, and Vice President Winter replied that the hospital would then have to put its own unit into operation.

Upon inquiry by Regent Fish as to whether the agreement contained a hold-harmless clause, Legal Counsel Stathas responded in the negative but indicated that language in the proposed agreement was similar to the one in effect with Sacred Heart Hospital in Eau Claire.

Stating that he felt it would be appropriate to consider negotiating with the hospital for a hold-harmless clause, Regent Beckwith asked about the urgency of acting on the matter at this meeting.

While he could not say that it was critical to do so, Chancellor Marshall noted that St. Michael's wished to begin the project as soon as possible in order to make sure that they would be prepared for the coming winter.

Regent Veneman indicated that his company generated steam for many firms and that all agreements included hold-harmless clauses.

It was then suggested by Regent Fish that the motion be amended to approve the resolution, subject to inclusion of a hold-harmless clause.

The amended resolution, as follows, was adopted unanimously:

Resolution 2655: That, upon the recommendation of the UW-Stevens Point Chancellor and the President of the University of Wisconsin System, approval be granted to the agreement developed between the University and St. Michael's Hospital, Stevens Point, for the sale of steam to the Hospital by the University, including construction by the Hospital of an interconnect for the movement of steam between the Hospital and the University.

That approval of this agreement be subject to obtaining agreement by the Hospital to hold the University harmless from any and all claims that may arise under the agreement for sale of steam to the Hospital by the University.

Regent Heckrodt suggested that other such agreements be reviewed to insure that the University was adequately protected.

✓ Energy Conservation - report on building energy management modifications p. 29.

Continuing the report of the Physical Planning and Development Committee, Regent O'Harrow said a brief presentation on the System's progress in major building energy management modifications was made to the Committee.

The Committee also was advised that all regents would be invited to tour the UW-La Crosse campus on Thursday, September 9.

✓ UW-La Crosse - General - Tour of campus planned for 9-9-82, p. 29.

✓ UW-Stout - Bldgs & hands

Increase in budget for Bowman Hall remodeling project approved, R 2656, p. 30

Board of Regents Meeting 7/16/82

The final matter brought before the Committee related to a request to increase by \$193,000 the budget for the Bowman Hall remodeling project at UW-Stout, for a revised total project cost of \$2,293,200, with the increase to come from GPR-general fund supported borrowing. The bids which were received on June 29, 1982, produced a post-bid budget which exceeded the previously authorized budget by \$193,200, a portion of which (\$122,190) represented an alternate which would allow the fourth floor of Bowman Hall to be remodeled to provide 4,163 assignable square feet (8,738 gross square feet) of critically needed office space. The proposed occupants of the fourth floor would be the Graduate College admissions and records office and the Office of Planning and Information Management (both presently located in McCalmont Hall, which was to be remodeled to house clients of the vocational rehabilitation project and for the international programs office which was located in temporary quarters in the Applied Arts Building). It was noted that the overage on this project was more than offset by the bids received for the vocational rehabilitation project, which were \$245,000 under budget.

Regent O'Harrow moved adoption of Resolution 2656. The motion was seconded by Regent Hendrickson and unanimously voted.

Resolution 2656: That, upon the recommendation of the UW-Stout Chancellor and the President of the University of Wisconsin System, the budget for the Bowman Hall remodeling project be increased by \$193,200 from GPR-General Fund supported borrowing, for a revised total project cost of \$2,293,200 and authority be granted to award bids and construct.

✓ UW-Milw Student Assn

by UW-Milw student Assn

Request for BOR to review alleged discrimination against homosexuals by military science depts. referred to UW-Milw. Admin, p 30 (x-ref - Discrimination)

COMMUNICATIONS, PETITIONS AND MEMORIALS

President Beckwith reported that he had received a letter from a representative of the UW-Milwaukee Student Association, asking the Board to consider whether military science departments discriminate on the basis of sexual orientation. Because there had not been complete review of the matter at the campus level, he indicated that the proper procedure at this time was for the Student Association to bring the issue before appropriate officials at UW-Milwaukee.

With regard to an invitation which had been extended to hold the June 1983 meeting at UW-Milwaukee, President Beckwith said he had suggested that a later date be selected. While he thought the Board should continue to meet at campuses around the System, he noted that there are expenses involved in transporting staff to meetings away from Madison, adding that meetings in La Crosse and Platteville had already been scheduled for the coming year.

✓ Regent Meetings - UW-Milw invitation to host ~~June~~ 1983 meeting. ~~referred~~ suggested that later date be selected (x-ref - UW-Milw-General)

✓ Telephone facilities - Matter regarding installation of new telephone facilities referred to UNFINISHED AND MISCELLANEOUS BUSINESS PPD Comm., p. 31. 31

It was reported by President Beckwith that Regent Fish had called his attention to a concern which had come before the State Building Commission regarding installation of new telephone facilities in University and other state buildings. The matter was to be referred to the Chairman of the Physical Planning and Development Committee.

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At 11:45 a.m., the following resolution, moved by Regent Knowles and seconded by Regent Fox, carried on a unanimous roll call vote, with Regents Beckwith, Finlayson, Fish, Fitzgerald, Fox, Gerrard, Grover, Heckrodt, Hendrickson, Jesinski, Knowles, Lawton, O'Harrow, Schilling, and Veneman voting "Aye" (15), and no regents voting "No."

Resolution 2657: 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 consider personal histories, as permitted by s. 19.85(1)(f), Wis. Stats.

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CLOSED SESSION ACTIONS

The Board arose from closed session at 12:15 p.m., having adopted the following resolutions:

✓ UW-W visitors - appt. of
Resolution 2658: That, upon the recommendation of the University of Wisconsin-Whitewater Chancellor and the President of the University of Wisconsin System, Dr. Donald Mrdjenovich, of Janesville, be appointed to the UW-Whitewater Board of Visitors for a term ending June 30, 1985. R. 2658, p. 31 (X-ref Mrdjenovich)

✓ UW-Milwaukee visitors
Resolution 2659: That, upon the recommendation of the University of Wisconsin-Milwaukee Chancellor and the President of the University of Wisconsin System, the following reappointments to the UW-Milwaukee Board of Visitors be approved for terms ending May 31, 1985:

- ✓ Mr. Eddie Glorioso, of Milwaukee
- ✓ Mr. Filiberto Murguia, of Milwaukee
- ✓ Mrs. Sally H. Wells, of Milwaukee
- ✓ Mrs. Nannette Winter, of Milwaukee; and

✓ appointment of
That Mrs. Jacquelyn C. Shropshire, of Milwaukee, be appointed to the UW-Milwaukee Board of Visitors for an initial term ending May 31, 1985. R. 2659, p. 31

✓ (X-ref - each appointee).

Resolution 2660: That, upon the recommendation of the University of Wisconsin Center System Acting Chancellor and the President of the University of Wisconsin System, the following appointments to the UW Center System Board of Visitors be approved for terms ending July 1, 1985:

UW Center System
Visitors

Appt. of

- ✓ Mr. James J. Boehm, Marshfield
- ✓ Mr. Russell J. Brown, Rice Lake
- ✓ Mr. Lloyd H. Hornbostel, Beloit
- ✓ Mr. Allan C. Kieckhafer, West Bend *for terms*

ending 7-1-85 R. 2660, p. 32 (X-ref each appointee)

(Secretary's note: The schedules to which Resolutions 2661-2664 refer are on file with the papers of this meeting.)

Resolution 2661: That, upon recommendation of the President, UW System, the Board of Regents approves the salaries of the continuing chancellors of the UW System for 1982-83 at the rates stated in the attached schedule, dated July 16, 1982.

Chancellors - salaries
for 1982-83 approved
R. 2661, p. 32.

Resolution 2662: That, upon recommendation of the President, UW System, the Board of Regents approves the salary rates for 1982-83 for continuing vice presidents as shown in the attached schedule, dated July 16, 1982.

Vice Presidents - salaries
for 1982-83 approved
R. 2662, p. 32

Resolution 2663: That, upon recommendation of the Chancellor, UW-Madison, and the President, UW System, the Board of Regents approves the salary rates for 1982-83 for Vice Chancellors Kearl and Kindig, as shown in the attached schedule, dated July 16, 1982.

Kearl & Kindig -
salaries for 1982-83
approved, R. 2663, p. 32.

Resolution 2664: That, upon recommendation from their respective chancellors, and with the approval of the President, UW System, the Board of Regents approves the salary rates for the faculty and staff whose 1982-83 salary rates will be above the maximum of range 5, executive pay plan, as shown in the attached schedule, dated July 16, 1982.

Resolution 2665: The Board of Regents establishes the salary for the President of the UW System for 1982-83 at the rate of

President - salary of \$72,380
established for 1982-83
R. 2665, p. 32 (X-ref O'Neil)

Salaries - salaries for chancellors, vice presidents, vice chancellors & Kindig, & faculty & staff above range 5 maximum set for 1982-83.
R. 2661-2665 p. 32.

The meeting was adjourned at 12:15 p.m.

Judith A. Temby
Judith A. Temby
Secretary

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - MADISON

GIFT-IN-KIND

1. HEWLETT PACKARD CO.
PALO ALTO, CA
3582A SPECTRUM ANALYZER
3325A FUNCTION GENERATOR
GIFT-IN-KIND
MSN ENGR ENGR EXPER STA EL&COMPUT
2. SHURE BROTHERS, INC.
EVANSTON, IL
2 LOUDSPEAKERS, MODEL 711; 1 CONSOLE, MODEL 700;
1 SM81-CN MICROPHONE; 1 R104A MICROPHONE
CARTRIDGE; M267 MIXER
GIFT-IN-KIND
MSN ENGR ENGR EXPER STA EL&COMPUT
3. DIGITAL EQUIPMENT CORPORATION - MADISON, WI
SM-30LLC-CA EPQUIPMENT: PDP-11/34 CPU, 256KB
MOS, 5MB RLO1 DISK AND CONTROL, 5MB RLO1 DISK
ADDON, 180 CPS DECWRITER III CONSOLE, CABINET,
RSX-11/M OPERATING SYSTEM AND MACRO-11
GIFT-IN-KIND
MSN ENGR ENGR EXPER STA ADMIN
4. PROFESSOR MATHILDA V. SCHWALBACH
MADISON, WI
105 VOLUMES OF ART AND GENERAL LITERATURE
GIFT-IN-KIND
MSN LIBR GENERAL LIBRARY
5. MRS. PALMER FREDRICK
JUNEAU, WI
MICROWAVE OVEN AND STAND FOR F4/6 UNIVERSITY
HOSPITAL
GIFT-IN-KIND
MSN HS-HSP ADMINISTRATION ADMIN
6. HEWLETT PACKARD
CUPERTINO, CA
HEWLETT PACKARD 1982 RESEARCH PARTNERSHIP
GIFT-IN-KIND
MSN L&S COMPUTER SCI

INSTRUCTION

1. COMM, NATIONAL OCEANIC & ATMOSPHERIC ADM
ROCKVILLE, MD
NOAA GRADUATE SCIENTIST PROGRAM
FOR THE PERIOD 06-14-82 THROUGH 08-15-83
AWARD # AGR DTD 06-08-82
MSN L&S METEOROLOGY (144-S130) 37,133.00
2. EDUCATION, DEPT OF
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

- | | | |
|----|---|------------|
| 1) | INTEGRATED PRE-SERVICE TRAINING FOR REGULAR
ADMINISTRATION AT THE UW-MADISON
FOR THE PERIOD 06-01-82 THROUGH 05-30-83
AWARD # GO08200317
MSN EDUC EDUC ADMIN (144-S105) | 18,025.00 |
| 2) | GRADUATE AND PROFESSIONAL STUDY FELLOWSHIPS GRANT
PROGRAM
FOR THE PERIOD 09-01-82 THROUGH 08-31-83
AWARD # GO08200213
MSN GRAD ADMINISTRATION ADMIN (144-S115) | 58,800.00 |
| 3. | DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
ROCKVILLE, MD
IN SUPPORT OF THE FOLLOWING: | |
| 1) | RURAL SCHOOL SOCIAL WORK IN COMMUNITY MENTAL
HEALTH
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 TO1 MH16393-03
MSN L&S SOCIAL WORK (144-S144) | 69,503.00 |
| 2) | MEDICAL STUDENT PSYCHIATRIC EDUCATION
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 TO1 MH14492-07
MSN HS-MED PSYCHIATRY (144-S203) | 63,613.00 |
| 4. | DHHS, PHS, HEALTH RESOURCES ADMIN
HYATTSVILLE, MD
IN SUPPORT OF THE FOLLOWING: | |
| 1) | PHYSICIAN ASSISTANT PROGRAM
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 D21 PE15186-03
MSN HS-A H ADMINISTRATION (144-S073) | 26,592.00 |
| 2) | TRAINEESHIPS, GRADUATE HEALTH ADMINISTRATION
PROGRAMS (FORMULA)
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 1 A19 AH00106-01
MSN HS-MED PREVENTIVE MED (144-S074) | 10,450.00 |
| 3) | RESIDENCY TRAINING IN GENERAL INTERNAL MEDICINE
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 D28 PE15218-05
MSN HS-MED MEDICINE GEN INT MD (144-S076) | 189,548.00 |
| 5. | DHHS, PHS, HEALTH SERVICES ADMIN
ROCKVILLE, MD
GRADUATE TRAINING PROJECT IN PARENT-CHILD NURSING
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # MCJ-000134-19-0
MSN HS-NUR ADMINISTRATION ADMIN (144-S102) | 298,639.00 |
| 6. | DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD
IN SUPPORT OF THE FOLLOWING: | |

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

1)	GRADUATE TRAINING IN CELLULAR AND MOLECULAR BIOLOGY FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 T32 GMO7215-08 MSN GRAD BIOPHYSICS	(144-S013)	662,435.00
2)	PREDOCTORAL TRAINING PROGRAM IN GENETICS FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 T32 GMO7133-08 MSN AG&LSC GENETICS	(144-S062)	294,221.00
3)	PSYCHIATRY-BASIC RESIDENCY FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 TO1 MHO6290-27 MSN HS-MED PSYCHIATRY	(144-S101)	57,130.00
4)	SOCIAL WORK-SPECIAL PROJECT FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 T31 MH15449-05 MSN L&S SOCIAL WORK	(144-S140)	36,731.00
5)	ENVIRONMENTAL TOXICOLOGY FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # R T32 ESO7015-08 MSN AG&LSC NAT RESOURCES ENV. TOX C	(144-S143)	285,954.00
6)	PSYCHIATRIC MENTAL HEALTH NURSING FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 TO1 MH10990-15 MSN HS-NUR ADMINISTRATION ADMIN	(144-S179)	140,977.00
7.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 06-01-82 THRU 08-20-82 AWARD # 82-2 CONKLIN MSN ENV ST INSTRUCTNL PROG INSTR PROG	(133-F286)	1,680.00
8.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 06-07-82 THRU 08-27-82 AWARD # 82-2 MOUBRY MSN ENV ST INSTRUCTNL PROG INSTR PROG	(133-F287)	1,680.00
9.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 06-01-82 THRU 08-20-82 AWARD # 82-2 JOURNEY MSN ENV ST INSTRUCTNL PROG INSTR PROG	(133-F288)	1,680.00
10.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 06-01-82 THRU 08-20-82 AWARD # 82-2 HOLZMAN MSN ENV ST INSTRUCTNL PROG INSTR PROG	(133-F289)	1,680.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

- | | | |
|-----|---|--------|
| 11. | MULTIPLE DONORS
DEVELOPMENT OF CENTRAL ASIAN STUDIES PROGRAM
MSN L&S ADMINISTRATION (133-F310) | 500.00 |
| 12. | MULTIPLE DONORS
SUPPORT AGRICULTURAL ECONOMICS GRADUATE TRAINING
PROGRAM
MSN AG&LSC ECONOMICS (AGR) (133-3859) | 252.00 |

LIBRARIES

- | | | |
|----|--|------------|
| 1. | UPON THE RECOMMENDATION OF THE DEAN OF THE MEDICAL
SCHOOL THE TERMS BE CHANGED TO PROVIDE FOR THE
MAINTENANCE & DISPLAY OF HARRY WAISMAN MEMORABILIA
AND TRANSFER THE ADMINISTRATION OF THE FUND TO
THE WAISMAN CENTER.
DR. HARRY A WAISMAN MEMORIAL FUND
(TRUST PRINCIPAL)
MSN GRAD WAISMAN CENTER (TRUST) | |
| 2. | MULTIPLE DONORS
WILLIAM L. CALDWELL MEMORIAL LIBRARY IN
RADIATION ONCOLOGY (TRUST PRINCIPAL)
MSN HS-MED HUMAN ONCOLOGY (TRUST) | 17.50 |
| 3. | COUNCIL OF WISCONSIN LIBRARIANS, INC.
MADISON, WI
WISCONSIN LIBRARY CONSORTIUM FOR THE
PERIOD 07-01-82 THRU 06-30-83
MSN LIBR W I L S (133-B180) | 66,168.00 |
| 4. | JOHNSON FOUNDATION
RACINE, WI
JOHNSON FOUNDATION LIBRARY COLLECTION ON
PRODUCTIVITY MOTIVATION
MSN BUS SCH OF BUSINESS (133-F346) | 5,500.00 |
| 5. | MULTIPLE DONORS
FRIENDS OF THE UNIVERSITY LIBRARY FUND
MSN LIBR GENERAL LIBRARY (133-0822) | 10.00 |
| 6. | COUNCIL OF WISCONSIN LIBRARIANS, INC.
MADISON, WI
WISCONSIN INTERLIBRARY SERVICES (WILS)
FOR THE PERIOD 07-01-82 THRU 06-30-83
MSN LIBR W I L S (133-8791) | 222,018.00 |

MISCELLANEOUS

- | | | |
|----|--|----------|
| 1. | TALAT HALMAN
NEW YORK, NY
TURKISH STUDIES FUND (TRUST PRINCIPAL)
MSN G E A INTL STU & PROGS (TRUST) | 2,000.00 |
|----|--|----------|

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

2.	WILLIAM CARD LINCOLN, NE MULTIPLE DONORS DICTIONARY OF AMERICAN REGIONAL ENGLISH-DARE (TRUST PRINCIPAL) MSN L&S ENGLISH	\$ 2,000.00 91.00 (TRUST)	2,091.00
3.	CITIBANK OF NEW YORK NEW YORK, NY LEWIS G. WEEKS FUND NO. 2 (TRUST PRINCIPAL) MSN L&S GEOL & GEOPHYSCS	 (TRUST)	60,000.00
4.	FIRST BANK & TRUST CO. BURLINGTON, WI MARIE Z. DWYER FUND-MSN (TRUST PRINCIPAL) MSN L&S	 (TRUST)	12,534.23
5.	AGRIC, SCIENCE AND EDUCATION ADMIN. BELTSVILLE, MD CONVERSION OF LTC BIBLIOGRAPHIC FILES TO MACHINE READABLE ADJUNCT OF AGRICOLA DATA BASE FOR THE PERIOD 05-16-82 THROUGH 05-15-83 AWARD # 58-32U4-2-381 MSN AG&LSC LAND TENURE CTR	 (144-S146)	30,000.00
6.	DOD, AIR FORCE BOLLING AFB DC ELEVENTH INTERNATIONAL LASER RADAR CONFERENCE FOR THE PERIOD 06-10-82 THROUGH 10-09-82 AWARD # AFOSR-82-O225 MSN GRAD SPACE SCI&ENG CT	 (144-S075)	10,000.00
7.	NATIONAL SCIENCE FOUNDATION WASHINGTON, DC U.S. FRANCE EXCHANGE AWARD FOR THE PERIOD 09-01-82 THROUGH 06-30-83 AWARD # AGR DTD 06/15/82 MSN AG&LSC PLANT PATHOLOGY	 (144-S153)	12,674.00
8.	AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE WASHINGTON, DC PRIME CONTRACTOR WITH NSF AMERICAN ASSOCIATION FOR THE DEVELOPMENT OF SCIENCE WORKSHOP ON MICROCOMPUTER APPLICATIONS FOR HANDICAPPED INDIVIDUALS FOR THE PERIOD 05-01-82 THROUGH 07-31-82 AWARD # AGR DTD 06-14-82 MSN GRAD WAISMAN CENTER	 (144-S085)	2,923.00
9.	STATE, AGENCY FOR INTERNATIONAL DEVELOP WASHINGTON, DC PROJECT ON ACCESS TO LAND, WATER, AND NATURAL RESOURCES (ACCOUNT REDUCED BECAUSE DEPT. REQUESTED MONEY BE TRANSFERRED TO SUB-ACCOUNT) FOR THE PERIOD 08-31-79 THROUGH 09-30-83 AT A TOTAL COST OF \$2,145,655.00 AWARD # AID/DSAN-CA-0183, MOD. 14 MSN AG&LSC LAND TENURE CTR	 (144-N707)	149,435.00-

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MISCELLANEOUS

10.	MULTIPLE DONORS DEFRAY SECRETARIAL, POSTAGE, TELEPHONE AND SUPPLIES EXPENSES ASSOCIATED WITH THE "LINEAR ALGEBRA AND ITS APPLICATIONS JOURNAL" MSN L&S MATHEMATICS (133-A751)	100.00
11.	TORONTO (UNIVERSITY OF) TORONTO, ONTARIO, CANADA DICTIONARY OF OLD ENGLISH MSN L&S COMPUTER SCI (133-A894)	500.00
12.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FRIENDS OF THE ELVEHJEM ART CENTER MSN L&S ELVJM MUSEUM ART (133-B163)	17,554.00
13.	MULTIPLE DONORS SUPPORT GENERAL AGRONOMIC PROGRAMS MSN AG&LSC AGRONOMY (133-B356)	81.00
14.	MULTIPLE DONORS DEINSTITUTIONALIZATION PROJECT FUND MSN GRAD WAISMAN CENTER (133-B695)	90.00
15.	U.W. - MADISON BUSINESS ALUMNI SUPPORTING EDUCATION, INC. MADISON, WI LEASING MANAGEMENT DEVELOPMENTS MSN BUS SCH OF BUSINESS (133-C025)	123.91
16.	MULTIPLE DONORS PROVIDE ASSISTANCE TO PATIENTS AND THEIR FAMILIES MSN HS-HSP ADMINISTRATION ADMIN (133-C037)	25.00
17.	LAW AND SOCIETY ASSOCIATION DENVER, CO DEFRAY COST OF PUBLICATION OF THE "LAW AND SOCIETY REVIEW" MSN L&S SOCIOLOGY (133-C304)	3,000.00
18.	UNIVERSITY SURGICAL ASSOCIATES MADISON, WI SURGICAL ASSOCIATES ACCOUNT EXAMINER SALARY SUPPORT MSN HS-MED SURGERY (133-C334)	10,000.00
19.	SUPPORT PROGRAMS IN MEDICAL PHYSICS MSN HS-MED MEDICAL PHYSICS (133-C756)	
	4,500.00 PROCTER & GAMBLE DISTRIBUTING COMPANY CINCINNATI, OH	
	1,000.00 HOFFMANN-LA ROCHE INC. NUTLEY, NJ	
	120.00 MULTIPLE DONORS	
		5,620.00

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MISCELLANEOUS

20.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LAW SCHOOL DEAN'S DISCRETIONARY FUND MSN LAW LAW SCHOOL	(133-D057)	5,300.00
21.	UNIVERSITY OF WISCONSIN FOUNDATION, MADISON, REPRESENTING A TRANSFER OF FUNDS FROM SHELL COMPANIES FOUNDATION, INC. DEPARTMENT OF METALLURGICAL AND MINERAL ENGINEERING CHAIRMAN'S DISCRETIONARY ACCOUNT MSN ENGR MET & MIN ENGR	(133-D670)	250.00
22.	UNIVERSITY OF WISCONSIN FOUNDATION, MADISON, REPRESENTING A TRANSFER OF FUNDS FROM SHELL COMPANIES FOUNDATION, INC. GENERAL FACULTY DEVELOPMENT MSN ENGR ADMINISTRATION	(133-D671)	500.00
23.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MEDICAL SCHOOL DEVELOPMENT FUND MSN HS-MED	(133-D802)	1,040.06
24.	MULTIPLE DONORS DEPARTMENT OF MEDICINE DISCRETIONARY FUND MSN HS-MED MEDICINE	(133-E309)	600.00
25.	MULTIPLE DONORS DISCRETIONARY FUND IN THE DEPARTMENT OF NEUROLOGY MSN HS-MED NEUROLOGY	(133-E354)	150.00
26.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MEDICAL SCHOOL DEVELOPMENT FUND MSN HS-MED	(133-E517)	261,000.00
27.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI ADMINISTRATIVE AND CLERICAL SUPPORT STAFF IN THE DEPARTMENT OF NEUROLOGY MSN HS-MED NEUROLOGY	(133-E647)	675.00
28.	MULTIPLE DONORS LYLE WHITEHEAD MEMORIAL FUND MSN HS-HSP ADMINISTRATION ADMIN	(133-E774)	200.00
29.	LUCE (HENRY) FOUNDATION, INC. NEW YORK, NY LUCE FUND FOR CHINESE SCHOLARS MSN L&S E ASIAN LANG&LIT	(133-E850)	3,000.00
30.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF GEOLOGY AND GEOPHYSICS CHAIRMAN'S DISCRETIONARY ACCOUNT MSN L&S GEOL & GEOPHYSICS	(133-E941)	3,000.00

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31.	EXXON EDUCATION FOUNDATION NEW YORK, NY EXXON FACULTY ASSISTANCE GRANT MSN ENGR CHEMICAL ENGR	(133-F086)	20,000.00
32.	UNIVERSITY HOSPITAL INTERNISTS MADISON, WI UNIVERSITY HOSPITAL INTERNISTS' PROGRAM SUPPORT MSN HS-MED MEDICINE	(133-F102)	2,033.74
33.	MULTIPLE DONORS DEPARTMENT OF CURRICULUM AND INSTRUCTION DISCRETIONARY ACCOUNT MSN EDUC CURRIC & INSTR	(133-F147)	100.00
34.	EXXON EDUCATION FOUNDATION NEW YORK, NY FACULTY ASSISTANCE GRANT FOR GEOLOGY AND GEOPHYSICS MSN L&S GEOL & GEOPHYSCS	(133-F195)	20,000.00
35.	WALWORTH (COUNTY OF) ELKHORN, WI LAKELAND COUNSELING CENTER COMPUTER FUND MSN HS-PSY PSYCHIATRIC INST	(133-F281)	7,400.00
36.	WISC DEPT OF NATURAL RESOURCES MADISON, WI PRODUCTION OF COLOR FILM ON STATUS AND PROBLEMS OF GROUNDWATER IN WISCONSIN MSN AG&LSC JOURNALISM (AGR)	(133-F303)	6,500.00
37.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PHOTOGRAPH HELEN ALLEN TEXTILE COLLECTION MSN FR&CS FAM RSRC&CNSM SC	(133-F324)	1,000.00
38.	MULTIPLE DONORS B6/6 NURSING STAFF FUND MSN HS-HSP ADMINISTRATION ADMIN	(133-F334)	467.00
39.	ALLIED FOUNDATION MORRISTOWN, NJ WORKSHOP ON CONSULTING INTERN PROGRAMS IN STATISTICS MSN L&S STATISTICS STAT LAB	(133-F351)	10,000.00
40.	LAND O'LAKES, INC. ARDEN HILLS, MN INTEGRATED PEST MANAGEMENT FILM MSN AG&LSC JOURNALISM (AGR)	(133-F364)	2,000.00
41.	KELLOGG (W K) FOUNDATION BATTLE CREEK, MI DEFINITIVE EVALUATION OF THE UWHC MOBILE CRITICAL CARE UNIT FOR THE PERIOD 06-01-82 THRU 11-30-83 MSN HS-HSP MOBILE CRIT CARE MOBILE C C	(133-F370)	47,266.00

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MISCELLANEOUS

42.	GENERAL MILLS FOUNDATION MINNEAPOLIS, MN SCHOOL OF BUSINESS DEAN'S DISCRETIONARY GRANT MSN BUS SCH OF BUSINESS (133-0179)	3,000.00
43.	DOW CHEMICAL COMPANY MIDLAND, MI DEPARTMENT OF CHEMISTRY CHAIRMAN'S DISCRETIONARY GRANT MSN L&S CHEMISTRY (133-5295)	5,000.00
44.	MULTIPLE DONORS CONSORTIUM FOR GRADUATE STUDY IN MANAGEMENT MSN BUS SCH OF BUSINESS (133-5984)	260.00
45.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI COLLEGE OF ENGINEERING DEAN'S DISCRETIONARY FUND MSN ENGR ADMINISTRATION (133-6370)	1,500.00
46.	MULTIPLE DONORS MARIA E. GUNDERSON FUND FOR HOME BEAUTIFICATION MSN AG&LSC NAT RESOURCES LAND ARCH (133-7400)	303.96
47.	SENSORY AND CHEMICAL PROPERTIES OF FOOD FLAVORS MSN AG&LSC FOOD SCIENCE (133-8343)	
	712.00 MULTIPLE DONORS 1,350.00 BOYER BROTHERS, INC. ALTOONA, PA	
		2,062.00
48.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF CHEMICAL ENGINEERING CHAIRMAN'S DISCRETIONARY GRANT MSN ENGR CHEMICAL ENGR (133-8366)	5,000.00
49.	MULTIPLE DONORS DISCRETIONARY GRANT FOR THE CHAIRMAN OF THE DEPARTMENT OF RURAL SOCIOLOGY MSN AG&LSC SOCIOLOGY(RURAL) (133-8975)	326.00
50.	SCHOOL OF JOURNALISM AND MASS COMMUNICATION DISCRETIONARY ACCOUNT MSN L&S JOURN & MASS COM (133-9465)	
	2,700.00 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI 150.00 MULTIPLE DONORS	
		2,850.00

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PHYSICAL PLANT

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

1. FIRST WISCONSIN-MADISON MADISON, WI -- REPRESENTING ANNUAL INCOME DISTRIBUTION FROM THE TRUST TORGER G. THOMPSON FUND FOR RESEARCH IN CLINICAL MEDICINE (TRUST INCOME) MSN HS-MED	(TRUST)	724.73
2. W. STERLING EDWARDS ALBUQUERQUE, NM IMMUNOMODULATOR RESEARCH FUND IN HUMAN ONCOLOGY (TRUST INCOME) MSN HS-MED HUMAN ONCOLOGY	(TRUST)	1,083.33
3. SHELL OIL CO. HOUSTON, TX SEDIMENTARY GEOLOGY RESEARCH FUND (TRUST INCOME) MSN L&S GEOL & GEOPHYSCS	(TRUST)	350.00
4. KRAUT CABBAGE RESEARCH FUND (TRUST INCOME) MSN AG&LSC PLANT PATHOLOGY	(TRUST)	
1,562.50 SHIOCTON KRAUT COMPANY, SHIOCTON, WI TO ESTABLISH THIS FUND FOR THE DETERMINATION AND DEVELOPMENT OF CABBAGE VARIETIES MOST SUITABLE FOR SAUERKRAUT PRODUCTION IN WISCONSIN.		
7,812.50 SEYMOUR CANNING CO., SEYMOUR, WI		\$1,562.50
J. G. VAN HOLTEN & SON, WATERLOO, WI		1,562.50
OUR BEST CANNING CO., PULASKI, WI		1,562.50
AMERICAN NATIONAL CORP., ACKLEY, IA		1,562.50
FRANK PURE FOOD CO., FRANKSVILLE, WI		1,562.50
3,225.00 FLANAGAN BROTHERS, INC., BEAR CREEK, WI		1,562.50
REED'S SEEDS, CORTLAND, NY		100.00
WI CANNERS & FREEZERS ASSN, MADISON, WI		1,562.50
		12,600.00
5. PENNWALT AGCHEM FRESNO, CA TO ESTABLISH THIS FUND FOR RESEARCH WORK ON FIELD CROP DISEASES. FIELD CROP DISEASES RESEARCH FUND (TRUST INCOME) MSN AG&LSC PLANT PATHOLOGY	(TRUST)	5,000.00
6. CHEVRON CHEMICAL CO., SAN FRANCISCO, CA \$ 263.61 TEXAS A & M, RICHARDSON, TX 1,075.00 TO ESTABLISH THIS FUND FOR RESEARCH ON CONTROL OF DISEASES OF TURF AND URBAN TREES. PLANT DISEASE RESEARCH FUND (TRUST INCOME) MSN AG&LSC PLANT PATHOLOGY	(TRUST)	1,338.61

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RESEARCH

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| 7. | METABOLIC ANALYSIS LABS, INC., MADISON, WI
TO ESTABLISH THIS ACCOUNT FOR RESEARCH
ACTIVITIES IN THE IN VITRO DRUG SCREENING
PROGRAM
IN VITRO SCREENING RESEARCH FUND
(TRUST INCOME)
MSN HS-MED HUMAN ONCOLOGY | (TRUST) | 500.00 |
| 8. | DR. MICHAEL A GERTZ BEQUEST (R.A. 03-06-81)
--PARTIAL DISTRIBUTION OF THE ESTATE IN THE
FORM OF 1,025,000 U. S. TREASURY BILLS
MATURING 07-29-82.
DR. MICHAEL A. GERTZ MEDICAL RESEARCH FUND
(TRUST PRINCIPAL)
MSN HS-MED | (TRUST) | 992,742.40 |
| 9. | SCHOOL OF EDUCATION-RESEARCH & DEVELOPMENT
CENTER TRUST FUND (TRUST PRINCIPAL)
MSN EDUC GENERAL ADMIN DEANS OFF | (TRUST) | |
| | 72.08 ACADEMIC PRESS, INC.
NEW YORK, NY | | |
| | 38.01 BALLINDER PUBLISHING CO
PHILADELPHIA, PA | | |
| | 774.88 ACADEMIC PRESS, INC.
NEW YORK, NY | | |
| | | | 884.97 |
| 10. | MCARDLE LABORATORY FOR CANCER RESEARCH
DISCRETIONARY FUND (TRUST PRINCIPAL)
MSN HS-MED ONCOLOGY | (TRUST) | |
| | 665.60 TOWN OF ELBA CHARITY DRIVE
ROUTE 2, COLUMBUS, WI | \$ | 309.00 |
| | FALL RIVER CHARITY FUND
FALL RIVER, WI | | 356.60 |
| | 14,474.00 BARABOO UNITED FUND, INC.
BARABOO, WI | \$ | 4,474.00 |
| | GRAND AERIE FRATERNAL OF EAGLES
MILWAUKEE, WI | | 10,000.00 |
| | 500.00 MULTIPLE DONORS | \$ | 60.00 |
| | MARLOWE RYAN - OSHKOSH, WI | | 280.00 |
| | LYDIA MICHAELSON - MOORHEAD, MN | | 160.00 |
| | | | 15,639.60 |
| 11. | MULTIPLE DONORS
WISCONSIN CLINICAL CANCER TRUST FUND
(TRUST PRINCIPAL)
MSN HS-MED HUMAN ONCOLOGY | (TRUST) | 388.00 |
| 12. | MULTIPLE DONORS
PROFESSOR DAVID PERLMAN MEMORIAL FUND FOR
HUMAN ONCOLOGY (TRUST PRINCIPAL)
MSN HS-MED HUMAN ONCOLOGY | (TRUST) | 70.00 |

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13. SOUTHEAST BANK, N.A.
MIAMI, FL
FINAL DISTRIBUTION OF ESTATE
DR. MICHAEL A. GERTZ MEDICAL RESEARCH FUND
(TRUST PRINCIPAL)
MSN HS-MED (TRUST) 112,008.95
14. MULTIPLE DONORS \$ 75.00
JOSEPH L. OUSLEY-MARSHFIELD, WI 500.00
WILLIAM STONE-RACINE, WI 100.00
RICHARD N. ODDERS-RACINE, WI 100.00
GREEN BAY ONCOLOGY-GREEN BAY, WI 100.00
R. O. JOHNSON LECTURESHIP
(TRUST PRINCIPAL)
MSN HS-MED HUMAN ONCOLOGY (TRUST) 875.00
15. AGRIC, FOREST SERVICE
MADISON, WI
ECONOMETRIC ANALYSIS OF THE US PULP AND PAPER
INDUSTRY (PHASE III)
FOR THE PERIOD 05-01-82 THROUGH 04-30-83
AWARD # FP-82-0454
MSN AG&LSC NAT RESOURCES FORESTRY (144-R978) 57,646.00
16. AGRIC, SCIENCE & EDUCATION ADM
PEORIA, IL
ROLE OF MICROBIAL SPECIES INTERACTIONS IN
DEVELOPMENT OF AFLATOXIN IN PREHARVEST CORN
FOR THE PERIOD 07-23-80 THROUGH 07-23-84
AT A TOTAL COST OF \$89,900.00
AWARD # 58-519B-O-915, MOD. 1
MSN AG&LSC PLANT PATHOLOGY (144-Q007) 22,500.00
17. COMM, NATIONAL OCEANIC & ATMOSPHERIC ADM
ROCKVILLE, MD
IN SUPPORT OF THE FOLLOWING:
- 1) OBJECTIVE AGGREGATION OF METEOROLOGICAL DATA FOR
USE IN CROP YIELD ESTIMATIONS
FOR THE PERIOD 04-01-80 THROUGH 09-30-82
AT A TOTAL COST OF \$155,265.00
AWARD # NAB0AA-D-00054, MOD. 6
MSN ENV ST CTR FOR CLIM RES (144-P473) 20,265.00
- 2) BASE FUNDING SUPPORT FOR THE NOAA/UNIVERSITY OF
WISCONSIN-MADISON COOPERATIVE INSTITUTE FOR
METEOROLOGICAL SATELLITE STUDIES
FOR THE PERIOD 01-01-81 THROUGH 05-31-83
AT A TOTAL COST OF \$676,002.00
AWARD # NAB1AA-H-00024, MOD. 6
MSN GRAD SPACE SCI&ENG CT (144-Q556) 217,047.00
- 3) EVALUATION OF ALTERNATIVE RETRIEVAL METHODS FOR
TIROS-N AND NOAA-6 SOUNDINGS
FOR THE PERIOD 08-01-81 THROUGH 06-30-83
AT A TOTAL COST OF \$167,085.00
AWARD # NAB1AA-D-00087, MOD. 1
MSN L&S METEOROLOGY (144-R327) 70,875.00

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- 4) PARTICIPATION ON THE INTERNATIONAL SATELLITE
CLOUD CLIMATOLOGY PROJECT
FOR THE PERIOD 09-01-81 THROUGH 06-30-83
AT A TOTAL COST OF \$357,678.00
AWARD # NA81AA-D-00119, MOD. 3
MSN GRAD SPACE SCI&ENG CT (144-R513) 258,665.00
18. EDUCATION, DEPT. OF
WASHINGTON, DC
AN INTEGRATED, HETEROGENOUS PLACEMENT MODEL FOR
TEACHING STUDENTS WITH AUTISM CHRONOLOGICAL AGE
APPROPRIATE, FUNCTIONAL AND SOCIAL INTERACTION
SKILLS IN SCHOOL AND NON-SCHOOL ENVIRONMENTS
FOR THE PERIOD 10-01-81 THROUGH 09-30-82
AT A TOTAL COST OF \$297,653.00
AWARD # 300-81-0355, MOD. 1
MSN EDUC WIS CTR EDUC RES (144-R539) 153,245.00
19. EDUCATION, DEPT OF
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
- 1) FULBRIGHT HAYS FACULTY RESEARCH ABROAD PROGRAM
FOR THE PERIOD 06-01-82 THROUGH 11-30-83
AWARD # GO08200126
MSN GRAD (144-S052) 24,290.00
- 2) WAISMAN CENTER UNIVERSITY AFFILIATED FACILITY -
SPECIAL EDUCATION - WISCONSIN
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
AWARD # GO08200319
MSN GRAD WAISMAN CENTER (144-S082) 25,750.00
20. HEALTH AND HUMAN SERVICES, DEPT OF
WASHINGTON, DC
LABOR MARKET IMPLICATIONS OF POTENTIAL INCREASES
IN THE LABOR SUPPLY OF THE ELDERLY
FOR THE PERIOD 06-09-82 THROUGH 06-09-83
AWARD # 062A-82
MSN L&S ECONOMICS (144-S164) 63,608.00
21. WI DEPT OF HEALTH AND SOCIAL SERVICES
MADISON, WI
PRIME CONTRACTOR WITH DHHS
REDUCING WELFARE COSTS AND CASELOADS IN
WISCONSIN: ASSOCIATED WITH THE 1981-82 FEDERAL
REGULATORY CHANGES AND PROPOSED BLOCK GRANT
FOR THE PERIOD 05-15-82 THROUGH 05-14-84
AWARD # AGR DTD 05-15-82
MSN L&S INST-RES ON POV (144-S109) 139,306.00
22. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
BETHESDA, MD
PRODUCTION AND ALLEVIATION OF DEPRESSION
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 RO1 MH28485-05
MSN L&S PSYCHOLOGY (144-S174) 91,178.00

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23. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
ROCKVILLE, MD
IN SUPPORT OF THE FOLLOWING:
- 1) RESEARCH SCIENTIST AWARD
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 KO5 MH21762-14
MSN HS-MED PEDIATRICS (144-S071) 38,653.00
 - 2) COMPUTER APPLICATIONS IN PSYCHIATRY
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 KO2 MH70903-09
MSN HS-PSY PSYCHIATRIC INST (144-S128) 39,204.00
24. DHHS, PHS, HEALTH RESOURCES ADMIN
HYATTSVILLE, MD
SPECIAL HEALTH CAREER OPPORTUNITY PROGRAM
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 D18 MBO0479-03
MSN HS-MED ADMINISTRATION ST AF-MIN (144-S131) 46,835.00
25. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD
IN SUPPORT OF THE FOLLOWING:
- 1) READING CENTER STUDY TO EVALUATE EARLY VITRECTOMY
IN DIABETIC RETINOPATHY
FOR THE PERIOD 06-26-75 THROUGH 06-30-83
AT A TOTAL COST OF \$1,037,401.00
AWARD # ND1 EY 5-2148, MOD. 11
MSN HS-MED OPHTHALMOLOGY (144-G728) 164,609.00
 - 2) URINARY BLADDER CARCINOGENESIS BY BRAKEN FERN
FOR THE PERIOD 06-01-81 THROUGH 05-31-82
AT A TOTAL COST OF \$94,317.00
AWARD # 3 R26 CA14523-08S1
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (144-Q850) 56,751.00
 - 3) ION EFFECTS ON INTERACTIONS OF RNA POLYMERASE AND
DNA
FOR THE PERIOD 01-01-82 THROUGH 12-31-82
AT A TOTAL COST OF \$82,755.00
AWARD # 5 RO1 GM23467-06, MOD. 1
MSN L&S CHEMISTRY (144-R694) 3,000.00
 - 4) HUMAN BLOOD AND TISSUE PROTEINS
FOR THE PERIOD 02-01-82 THROUGH 01-31-83
AT A TOTAL COST OF \$154,556.00
AWARD # 5 RO1 CA01786-28S1
MSN HS-MED PHYSIOLOG CHEM (144-R745) 20,000.00
 - 5) CHEMISTRY/METABOLISM OF NATURAL ANTITUMOR
COMPOUNDS
FOR THE PERIOD 03-01-82 THROUGH 12-31-82
AWARD # 5 RO1 CA17127-09
MSN HS-PHR PHARMACY (144-R844) 39,863.00

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| 6) | ELECTRORETINOGRAPHIC STUDIES IN DIABETIC
RETINOPATHY
FOR THE PERIOD 04-01-82 THROUGH 03-31-83
AT A TOTAL COST OF \$124,007.00
AWARD # 5 RO1 EYO3084-04, MOD. 1
MSN HS-MED OPHTHALMOLOGY | (144-R872) | 3,797.00 |
| 7) | DEVELOPMENT OF ULTRASONIC BREAST TISSUE PHANTOM
FOR THE PERIOD 04-01-82 THROUGH 03-31-83
AWARD # 5 RO1 CA25634-04
MSN HS-MED MEDICAL PHYSICS | (144-R900) | 68,359.00 |
| 8) | CONTROL OF EMOTIONAL DISTRESS IN CANCER
CHEMOTHERAPY
FOR THE PERIOD 05-01-82 THROUGH 04-30-83
AWARD # 5 R18 CA26235-03
MSN L&S PSYCHOLOGY | (144-R933) | 156,196.00 |
| 9) | GENETIC STUDIES WITH CULTIVATED MAMMALIAN CELLS
FOR THE PERIOD 05-01-82 THROUGH 04-30-83
AWARD # 5 RO1 GMO6983-23
MSN HS-MED GENETICS | (144-R988) | 155,560.00 |
| 10) | DEVELOPMENT OF RENAL AMINO ACID TRANSPORT
MECHANISMS
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
AWARD # 5-KO4 AMO0421-04
MSN HS-MED PEDIATRICS | (144-S034) | 38,680.00 |
| 11) | RESEARCH CAREER AWARD
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 KO4 HLOO780-03
MSN HS-MED PREVENTIVE MED | (144-S035) | 38,538.00 |
| 12) | PREDOCTORAL TRAINING IN EXPERIMENTAL ONCOLOGY
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 T32 CA09135-08
MSN HS-MED ONCOLOGY | (144-S036) | 343,611.00 |
| 13) | STEREOELECTRONIC EFFECTS ON THE REACTIVITY OF
AMINO NITROGEN COMPOUNDS
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 1 RO1 GM29549-01A1
MSN L&S CHEMISTRY | (144-S037) | 58,104.00 |
| 14) | CEA AND FHAP AS BREAST CANCER MANAGEMENT
PARAMETERS
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
AWARD # 5 RO1 CA26935-03
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL | (144-S040) | 41,285.00 |
| 15) | RESEARCH CAREER AWARD
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 KO6 GM18442-21
MSN GRAD ENZYME INSTITUTE | (144-S044) | 32,481.00 |

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16)	DEVELOPMENTAL STUDIES OF THE VISUAL SYSTEM FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 EYO1331-09 MSN HS-MED OPHTHALMOLOGY	(144-S046)	114,280.00
17)	POSTDOCTORAL TRAINING PROGRAM ON GENETICS FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 T32 GMO7131-07 MSN HS-MED GENETICS	(144-S047)	102,926.00
18)	URINARY BLADDER CARCINOGENESIS BY BRACKEN FERN FOR THE PERIOD 06-01-82 THROUGH 05-31-83 AWARD # 2 R26 CA14523-09 MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL	(144-S048)	95,871.00
19)	POSTDOCTORAL FELLOWSHIP AWARD FOR THE PERIOD 06-01-82 THROUGH 05-31-83 AWARD # 1 F32 HDO6379-01 MSN AG&LSC BIOCHEMISTRY	(144-S059)	16,380.00
20)	MACROLIDES, STEROIDS, PROSTANOIDS, ETC. SYNTHETIC DESIGN FOR THE PERIOD 06-01-82 THROUGH 05-31-83 AWARD # R 501 GM13598-17 MSN L&S CHEMISTRY	(144-S060)	116,316.00
21)	POSTDOCTORAL FELLOWSHIP AWARD FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 1 F32 AIO6627-01 MSN AG&LSC BIOCHEMISTRY	(144-S064)	17,040.00
22)	MORPHOLOGY OF CHRONIC VIRAL INFECTIONS OF THE BRAIN FOR THE PERIOD 06-01-82 THROUGH 05-31-83 AWARD # 5 RO1 NS11129-09 MSN HS-MED PATHOL & LAB MED ANAT PATH	(144-S065)	55,484.00
23)	ACTION SPECTRA AND BIOCHEMISTRY OF PHOTODERNATOSES FOR THE PERIOD 06-01-82 THROUGH 05-31-83 AWARD # 5 RO1 AMO9995-17 MSN HS-MED MEDICINE DERMATOLGY	(144-S066)	61,761.00
24)	ANTERIOR OCULAR SEGMENT PHYSIOLOGY AND PHARMACOLOGY FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 KO4 EY00137-04 MSN HS-MED OPHTHALMOLOGY	(144-S069)	38,653.00
26.	DHHS, PHS, NATIONAL INSTITUTES OF HEALTH BETHEADA, MD EFFECT OF AGE ON SULFUR AMINO ACID METABOLISM FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 AM15227-11 MSN AG&LSC MEAT & ANIMAL SC	(144-S070)	63,346.00

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27. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD
IN SUPPORT OF THE FOLLOWING:
- 1) INSULIN DEPENDENT PLACENTAL GLUCOSE TRANSPORT
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 RO1 HD15091-02
MSN HS-MED PHYSIOLOGY (144-S072) 69,235.00
 - 2) HUMAN VS RODENT MAMMARY MEDICATED MUTAGENESIS
ASSAY
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 RO1 CA30295-02
MSN HS-MED HUMAN ONCOLOGY RAD BIOL (144-S081) 86,884.00
 - 3) CHOLESTEROL METABOLISM OF HEPATIC NEOPLASMS
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 RO1 CA15664-08
MSN HS-MED PATHOL & LAB MED ANAT PATH (144-S083) 104,439.00
 - 4) IN VITRO STUDIES OF THE MOUSE COCHLEAR NUCLEUS
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 RO1 NS17590-02
MSN HS-MED NEUROPHYSIOLOGY (144-S084) 44,536.00
 - 5) SOCIAL CHANGE, AG-GRADED LIFE EVENTS AND AGING
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
AWARD # 5 RO1 AG02816-02
MSN L&S INST-RES ON POV (144-S098) 144,367.00
 - 6) ANTERIOR OCULAR SEGMENT PHYSIOLOGY AND
PHARMACOLOGY
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 2 RO1 EYO2698-04
MSN HS-MED OPHTHALMOLOGY (144-S104) 132,773.00
 - 7) POSTDOCTORAL FELLOWSHIP AWARD
FOR THE PERIOD 06-23-82 THROUGH 06-22-83
AWARD # 5 F32 NS06316-03
MSN HS-MED PHYSIOLOGY (144-S107) 17,736.00
 - 8) PROTON-TRANSLOCATING SECTOR OF E. COLI
ATPASE COMPLEX
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 RO1 GM23105-07
MSN HS-MED PHYSIOLOG CHEM (144-S108) 76,940.00
 - 9) EVOLUTION AND DEVELOPMENT OF PRIMATE
SPEECH ANALOGUES
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 RO1 MH29775-06
MSN L&S PSYCHOLOGY (144-S110) 53,081.00
 - 10) VISUAL INTEGRATION IN THE BRAIN
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 RO1 EYO1916-07
MSN L&S PSYCHOLOGY (144-S113) 139,864.00

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11) MOLECULAR CHARACTERIZATION OF BETA-ADRENERGIC RECEPTORS FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 NS12392-08 MSN HS-MED PHARMACOLOGY	(144-S118)	75,563.00
12) POSTDOCTORAL FELLOWSHIP AWARD FOR THE PERIOD 06-29-82 THROUGH 06-28-83 AWARD # 1 F32 NS06887-01 MSN HS-MED NEUROPHYSIOLOGY	(144-S120)	18,380.00
13) STATISTICAL PROBLEMS IN CANCER RESEARCH FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 CA18332-08 MSN L&S STATISTICS	(144-S122)	56,137.00
14) COMPUTER-BASED, INTERACTIVE MEDICAL KNOWLEDGE CENTERS FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 LMO3713-03 MSN HS-PSY PSYCHIATRIC INST	(144-S123)	104,360.00
15) MECHANICAL PROPERTIES OF CA-ACTIVATED HEART MUSCLE FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 HL25861-03 MSN HS-MED PHYSIOLOGY	(144-S134)	36,134.00
16) PROTEIN AND THROMBUS DEPOSITION ON VASCULAR GRAFTS FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 HL21001-05 MSN ENGR ENGR EXPER STA CHEM ENGR	(144-S138)	115,219.00
17) RESEARCH CAREER AWARD FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 KO6 CAO0685-22 MSN HS-MED ONCOLOGY	(144-S141)	32,400.00
18) A COMPLETE DISSECTION OF THE ESCHERICHIA COLI GENOME FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 AI18214-02 MSN AG&LSC GENETICS	(144-S142)	73,369.00
19) KINETIC MECHANISMS OF ANTIBIOTIC INACTIVATING ENZYMES FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 AI11603-07 MSN HS-PHR PHARMACY	(144-S145)	42,120.00
20) COMPUTERIZED FLUOROSCOPY IN CAROTID ANGIOGRAPHY FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 HL26001-03 MSN HS-MED MEDICAL PHYSICS	(144-S147)	133,214.00
21) CHEMICAL SYNTHESIS OF OLIGOSACCHARIDES FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 2 RO1 AM10588-17 MSN AG&LSC BIOCHEMISTRY	(144-S155)	111,721.00

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22)	RESEARCH CAREER AWARD FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 KO4 A100274-05 MSN AG&LSC BACTERIOLOGY	(144-S156)	38,653.00
23)	PEPTIDE SUBSTRATES TO STUDY VITAMIN K ACTION FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 AM21472-05 MSN AG&LSC BIOCHEMISTRY	(144-S157)	78,129.00
24)	RESEARCH CAREER AWARD FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 KO4 HDO0430-02 MSN AG&LSC BACTERIOLOGY	(144-S158)	38,880.00
25)	RESEARCH CAREER AWARD FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 KO4 HDO0356-02 MSN HS-MED PHYSIOLOG CHEM	(144-S162)	38,977.00
26)	A-RECEPTORS AND PROSTGLANDINS IN REPRODUCTION FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 HD14821-02 MSN L&S PRIMATE RES CTR	(144-S163)	56,139.00
27)	BEHAVIORAL MANAGEMENT OF PAIN IN RHEUMATOID ARTHRITIS FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 1 RO1 AM31500-01 MSN HS-MED NEUROLOGY	(144-S166)	111,210.00
28)	SPLICING OF NORMAL AND THALASSEMIC GLOBIN RNA'S FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 AM28598-02 MSN HS-MED GENET CLIN PRDG	(144-S167)	78,169.00
29)	EPIDEMIOLOGICAL STUDY OF DIABETIC RETINOPATHY FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 RO1 EYO3083-04 MSN HS-MED OPHTHALMOLOGY	(144-S171)	127,499.00
30)	VISUAL SCIENCES TRAINING PROGRAM FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 T32 EYO7059-04 MSN HS-MED OPHTHALMOLOGY	(144-S173)	43,709.00
31)	STRUCTURE AND FUNCTION OF THE GENOMES OF SMALL VIRUSES FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 2 RO1 AIO1466-26A1 MSN GRAD BIOPHYSICS	(144-S175)	106,695.00
32)	INTESTINAL MUCOSAL FUNCTION IN DIABETES FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 2 RO1 AM13927-13 MSN HS-MED MEDICINE GASTROENT	(144-S178)	43,061.00

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- 33) ENZYME CATALYSIS OF ELECTRON AND GROUP TRANSFER
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 R01 AM28607-02
MSN GRAD ENZYME INSTITUTE (144-S183) 81,611.00
- 34) INTESTINAL CARCINOGENICITY OF QUERCETIN
AND FLAVONOLS
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
AWARD # 5 R26 CA31127-02
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (144-S190) 86,542.00
- 35) ANALYSIS OF THE HIGH FREQUENCY ECG AND
ARRHYTHMIAS
FOR THE PERIOD 09-01-82 THROUGH 08-31-83
AWARD # 5 KO4 HLO0765-03
MSN ENGR ENGR EXPER STA EL&COMPUT (144-S191) 38,977.00
- 36) POSTDOCTORAL FELLOWSHIP AWARD
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5 F32 GMO7739-03
MSN GRAD MOLECULAR BIOL (144-S192) 17,736.00
28. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
SILVER SPRING, MD
IN SUPPORT OF THE FOLLOWING:
- 1) PAIN CONTROL IN CANCER
FOR THE PERIOD 09-28-79 THROUGH 09-27-82
AT A TOTAL COST OF \$436,809.00
AWARD # NO1-CN-95491, MOD. 7
MSN HS-MED ANESTHESIOLOGY (144-N813) 84,362.00
- 2) PHASE I STUDIES OF NEW ANTICANCER AGENTS
FOR THE PERIOD 03-01-82 THROUGH 11-30-82
AWARD # NO1-CM-27549
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (144-R895) 112,156.00
29. COLUMBIA UNIVERSITY
NEW YORK, NEW YORK
PRIME CONTRACTOR WITH DHHS PHS NIH
PRESBYOPIA: THE AGING PROCESS OF ACCOMMODATIVE
MECHANISM
FOR THE PERIOD 04-01-82 THROUGH 03-31-83
AWARD # CP 7718
MSN HS-MED OPHTHALMOLOGY (144-S032) 54,147.00
30. MALLORY INSTITUTE OF PATHOLOGY FOUNDATION
BOSTON, MA
SUBCONTRACTOR WITH THE BOARD OF REGENTS OF THE
UW SYSTEM UNDER AGREEMENT FROM DHHS PHS NIH
EASTERN COOPERATIVE ONCOLOGY GROUP OPERATIONS
OFFICE (TOTAL ALLOWABLE COSTS OF SUBCONTRACT
IS INCREASED BY \$2,071.00)
FOR THE PERIOD 06-01-81 THROUGH 05-31-82
AT A TOTAL COST OF \$17,210.00
AWARD # O30T715, MOD. 1
MSN HS-MED HUMAN ONCOLOGY EAST COOP (144-Q825)

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31. BUREAU OF HEALTH STATISTICS,
DIVISION OF HEALTH
MADISON, WI
SUBCONTRACTOR WITH THE BOARD OF REGENTS OF THE
UW SYSTEM UNDER AGREEMENT FROM DHHS PHS NIH
DEVELOPMENTAL CANCER CONTROL PROGRAM-WISCONSIN
FOR THE PERIOD 01-01-82 THROUGH 09-30-82
AT A TOTAL COST OF \$4,932.00
AWARD # 527V391
MSN HS-MED HUMAN ONCOLOGY CAN C-REGN (144-R689)
32. WI DEPT OF HEALTH & SOCIAL SERVICES
MADISON, WI
PRIME CONTRACTOR WITH DHHS SSA
EARLY IDENTIFICATION AND TREATMENT OF METABOLIC
DISEASE
FOR THE PERIOD 10-01-81 THROUGH 09-30-82
AT A TOTAL COST OF \$90,000.00
AWARD # A-107-82, MOD. 1
MSN GRAD WAISMAN CENTER (144-R433) 60,000.00
33. DOD, AIR FORCE
BOLLING AIR FORCE BASE, DC
VIBRATIONAL RELAXATION RATES AND PATHWAYS IN
HIGHLY EXCITED MOLECULES
FOR THE PERIOD 06-30-82 THROUGH 06-29-83
AWARD # AFOSR-82-0244
MSN L&S CHEMISTRY (144-S117) 125,592.00
34. DOD, AIR FORCE
HANSCOM AIR FORCE BASE, MA
SUPPLEMENTARY SUPPORT FOR THE 11TH INTERNATIONAL
LASER RADAR CONFERENCE
FOR THE PERIOD 06-01-82 THROUGH 08-01-82
AWARD # F19628-82-M-0009
MSN GRAD SPACE SCI&ENG CT (144-S055) 5,000.00
35. DOD, AIR FORCE
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
- 1) NUMERICAL ANALYSIS
FOR THE PERIOD 06-15-82 THROUGH 06-14-83
AWARD # AFOSR-82-0275
MSN L&S COMPUTER SCI (144-S100) 23,750.00
- 2) COLLISIONAL EXCITATION AND RADIATION OF ATOMS AND
MOLECULES
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # AFOSR-78-3649 #G
MSN L&S PHYSICS (144-S116) 106,000.00
36. DOD, ARMY
FREDERICK, MD
STUDIES ON THE IMMUNOCHEMICAL TECHNIQUES FOR
DETECTION OF SELECTED FUNGAL AND DINOFLAGELLATE
TOXINS
FOR THE PERIOD 11-01-81 THROUGH 10-31-82
AT A TOTAL COST OF \$105,724.00
AWARD # DAMD17-82-C-2021, MOD. 1
MSN AG&LSC FOOD MICRO&TOXIC (144-R595) 38,610.00

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37. DOD, ARMY
RESEARCH TRIANGLE PARK, NC
IN SUPPORT OF THE FOLLOWING:
- 1) PHOTOACOUSTIC AND PHOTOTHERMAL SPECTROSCOPY OF IONS IN SOLIDS
FOR THE PERIOD 02-15-79 THROUGH 02-14-83
AT A TOTAL COST OF \$181,784.00
AWARD # DAAG29-79-C-0040, MOD. 3
MSN L&S PHYSICS (144-M695) 30,000.00
- 2) EXPERIMENTAL DESIGN FOR QUANTAL RESPONSE MODELS
FOR THE PERIOD 06-24-82 THROUGH 06-23-83
AWARD # DAAG29-82-K-0154
MSN L&S STATISTICS (144-S181) 10,382.00
38. DOD, NAVY
ARLINGTON, VA
IN SUPPORT OF THE FOLLOWING:
- 1) COLLISIONAL ENERGY TRANSFER IN HIGHLY VIBRATIONALLY EXCITED MOLECULES
FOR THE PERIOD 06-01-79 THROUGH 05-31-83
AT A TOTAL COST OF \$260,021.00
AWARD # NO0014-79-C-0415, MOD. 3
MSN L&S CHEMISTRY (144-N122) 70,052.00
- 2) SIGNIFICANCE OF OXYGEN DISSOCIATION CURVE SHIFTS
FOR THE PERIOD 07-01-80 THROUGH 12-31-82
AT A TOTAL COST OF \$168,694.00
AWARD # NO0014-80-C-0734, MOD. 3
MSN HS-MED MEDICINE HEMATOLOGY (144-P670) 50,459.00
- 3) PHOTOELECTRON DIFFRACTION STUDIES OF METAL-SEMICONDUCTOR INTERFACES AND OF CHEMISORBED ATOMS AND MOLECULES ON SEMICONDUCTOR SURFACES
FOR THE PERIOD 09-01-80 THROUGH 09-30-83
AT A TOTAL COST OF \$115,841.00
AWARD # NO0014-80-C-0908, MOD. 2
MSN L&S PHYSICS (144-Q108) 45,000.00
39. DOD, NAVY
WASHINGTON, DC
PROPERITES OF MULTIPHASE POLYURETHANE SYSTEMS
FOR THE PERIOD 06-09-82 THROUGH 06-08-83
AWARD # NO0019-82-C-0246
MSN ENGR ENGR EXPER STA CHEM ENGR (144-S133) 82,322.00
40. DEPARTMENT OF ENERGY
ARGONNE, IL
IN SUPPORT OF THE FOLLOWING:
- 1) MECHANISTIC STUDIES RELATED TO THE METAL CATALYZED HYDROGENATION OF CARBON MONOXIDE TO HYDROCARBONS
FOR THE PERIOD 04-01-80 THROUGH 06-30-82
AT A TOTAL COST OF \$160,095.00
AWARD # DE-AC02-77ERO4222, MOD. 4
MSN L&S CHEMISTRY (144-P308) 1,000.00

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- 2) THE DEVELOPMENT OF PROCESS DESIGN AND CONTROL STRATEGIES FOR ENHANCED ENERGY EFFICIENCY IN THE PROCESS INDUSTRIES
FOR THE PERIOD 04-01-80 THROUGH 03-31-83
AT A TOTAL COST OF \$307,000.00
AWARD # DE-ACO2-80ER10645, MOD. 2
MSN ENGR ENGR EXPER STA CHEM ENGR (144-P461) 130,000.00
- 3) RADIATION DAMAGE STUDIES FOR FUSION REACTORS
FOR THE PERIOD 10-01-80 THROUGH 09-30-83
AWARD # DE-ACO2-78ET52019.A004, MOD. 5
MSN ENGR ENGR EXPER STA NUCL ENGR (144-Q319) 147,000.00
- 4) INVESTIGATION OF AMORPHOUS METAL FILMS OF SEMI-CONDUCTOR SUBSTRATES
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
AWARD # DE-ACO2-82ER12062
MSN ENGR ENGR EXPER STA EL&COMPUT (144-S061) 60,000.00
41. ENERGY, DEPT OF
ARGONNE, IL
IN SUPPORT OF THE FOLLOWING:
- 1) SEARCH FOR CHARGE SYMETRY VIOLATION IN N-P SCATTERING
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
AWARD # DE-ACO2-79ER410, MOD. 3
MSN L&S PHYSICS (144-S111) 75,803.00
- 2) MICROSTRUCTURAL ANALYSIS OF ION CONTAINING POLYMERS
FOR THE PERIOD 06-16-82 THROUGH 06-15-83
AWARD # DE-ACO2-81ER10922, MOD. 1
MSN ENGR ENGR EXPER STA CHEM ENGR (144-S149) 77,600.00
42. SANDIA NATIONAL LABORATORY
ALBUQUERQUE, NM
PRIME CONTRACTOR WITH DOE
LIGHT ION FUSION PROJECT
FOR THE PERIOD 04-01-82 THROUGH 09-30-82
AWARD # P.O. 16-9850
MSN ENGR ENGR EXPER STA NUCL ENGR (144-S033) 48,000.00
43. ARGONNE NATIONAL LABORATORY
ARGONNE, IL
PRIME CONTRACTOR WITH DOE
SERVICES TO ASSIST FPP/ANL ON THE SUPERCONDUCTING ENERGY STORAGE AND TRANSFER
FOR THE PERIOD 06-01-82 THROUGH 08-15-82
AWARD # P.O. 052124
MSN ENGR ENGR EXPER STA ENERGY RES (144-S119) 6,000.00
44. ENVIRONMENTAL PROTECTION AGENCY
CINCINNATI, OH
FACTORS AFFECTING BIOAVAILABILITY OF CADMIUM
FOR THE PERIOD 07-15-82 THROUGH 07-14-83
AWARD # CR807270-02-0
MSN AG&LSC SOILS (144-S129) 111,002.00

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45. INTER-AMERICAN FOUNDATION
ROSSLYN, VA
CHILDREN AND YOUTH IN THE BRAZILIAN LABOR FORCE
FOR THE PERIOD 07-01-82 THROUGH 04-30-83
AWARD # LA-088
MSN AG&LSC SOCIOLOGY(RURAL) (144-S189) 31,000.00
46. LABOR, DEPT. OF
WASHINGTON, DC
THE IMPORT PENETRATION PROBLEM: PAST, PRESENT,
FUTURE
FOR THE PERIOD 09-20-79 THROUGH 08-31-82
AT A TOTAL COST OF \$118,048.00
AWARD # J9K90005, MOD. 6
MSN L&S ECONOMICS (144-N881) 500.00
47. NATIONAL AERONAUTICS & SPACE ADMIN.
WASHINGTON, DC
PARTICIPATION IN A PROGRAM TO PROVIDE A
CENTRALIZED STORM INFORMATION SYSTEM
FOR THE PERIOD 01-19-81 THROUGH 09-30-82
AT A TOTAL COST OF \$1,845,039.00
AWARD # NASW-3476, MOD. 4
MSN GRAD SPACE SCI&ENG CT (144-P662) 223,214.00
48. NASA, AMES RESEARCH CENTER
MOFFETT FIELD, CA
IN SUPPORT OF THE FOLLOWING:
- 1) SKELETAL STATUS AND SOFT TISSUE COMPOSITION OF
ASTRONAUTS
FOR THE PERIOD 09-01-69 THROUGH 01-31-82
AT A TOTAL COST OF \$614,030.00
AWARD # NGR-50-002-051, MOD. 17
MSN GRAD SPACE SCI&ENG CT (144-A472) 14,025.00
- 2) MEASUREMENT OF TRABECULAR BONES
ASTRONAUTS
FOR THE PERIOD 01-01-82 THROUGH 09-30-82
AT A TOTAL COST OF \$27,974.00
AWARD # NAG 2-166, MOD. 1
MSN GRAD SPACE SCI&ENG CT (144-R733) 6,978.00
49. NASA, GODDARD SPACE FLIGHT CENTER
GREENBELT, MD
IN SUPPORT OF THE FOLLOWING:
- 1) RESEARCH OF THE EFFECT OF SYNOPTIC SCALE PROCESSES
IN GCM MODELLING
FOR THE PERIOD 01-16-78 THROUGH 07-31-83
AT A TOTAL COST OF \$257,807.00
AWARD # NSG-5223, MOD. 7
MSN L&S METEOROLOGY (144-L146) 85,059.00
- 2) ULTRAVIOLET STUDIES WITH THE IUE SATELLITE
FOR THE PERIOD 06-15-81 THROUGH 09-30-82
AT A TOTAL COST OF \$92,496.00
AWARD # NAG5-186, MOD. 2
MSN L&S ASTRONOMY (144-Q873) 18,120.00

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50. NASA, MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, AL
APPLICATIONS OF THE AVE-SESAME DATA SETS TO
MESOSCALE STUDIES
FOR THE PERIOD 05-13-80 THROUGH 12-31-82
AT A TOTAL COST OF \$186,612.00
AWARD # NAS8-33799, MOD. 4
MSN GRAD SPACE SCI&ENG CT (144-P477) 35,003.00
51. WISCONSIN HUMANITIES COMMITTEE
MADISON, WI
PRIME CONTRACTOR WITH NEH
MICHAEL ROSTOVTZEFF AT MADISON
FOR THE PERIOD 03-19-82 THROUGH 05-31-83
AWARD # G-FY80-228(L)
MSN L&S HISTORY (144-S170) 4,763.00
52. NATIONAL SCIENCE FOUNDATION
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
- 1) PUBLIC USE SAMPLE FILES FROM THE 1940 AND 1950
CENSUS OF POPULATION
FOR THE PERIOD 03-01-78 THROUGH 04-30-83
AT A TOTAL COST OF \$6,583,548.00
AWARD # SES-7704135, MOD. 5
MSN L&S SOCIOLOGY (144-L438) 121,000.00
- 2) PHOTOELECTRIC SPECTROSCOPY STUDIES OF TRANSITION
METAL CARBIDES USING SYNCHROTRON RADIATION
FOR THE PERIOD 04-01-79 THROUGH 05-31-83
AT A TOTAL COST OF \$163,000.00
AWARD # DMR-7821080, MOD. 3
MSN GRAD PHY SCIENCES LAB (144-M749) 22,100.00
- 3) HABITAT, FISH COMMUNITY, AND RESOURCE UTILIZATION
IN SMALL NORTHERN LAKES
FOR THE PERIOD 07-01-79 THROUGH 12-31-83
AT A TOTAL COST OF \$239,397.00
AWARD # DEB-7912337, MOD. 3
MSN L&S ZOOLOGY (144-N260) 62,431.00
- 4) AN INVESTIGATION OF THE CHEMISTRY, EXCITATION,
AND DISTRIBUTION OF INTERSTELLAR AND CIRCUMSTELLAR
POLYCYANOACETYLENES
FOR THE PERIOD 09-01-79 THROUGH 10-31-84
AT A TOTAL COST OF \$68,800.00
AWARD # AST-7905578, MOD. 1
MSN L&S ASTRONOMY (144-N688) 38,800.00
- 5) DEVELOPMENT AND APPLICATION OF MATHEMATICAL
METHODS FOR THE SCIENCES
FOR THE PERIOD 06-01-80 THROUGH 11-30-83
AT A TOTAL COST OF \$184,102.00
AWARD # MCS-8001960, MOD. 3
MSN L&S MATHEMATICS (144-P457) 7,950.00

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- 6) ORGANIC MATTER AND NITROGEN DYNAMICS IN FOREST ECOSYSTEMS
FOR THE PERIOD 06-01-80 THROUGH 11-30-83
AT A TOTAL COST OF \$374,589.00
AWARD # DEB-8005081, MOD. 3
MSN AG&LSC NAT RESOURCES FORESTRY (144-P463) 60,122.00
- 7) LEAF STRUCTURE IN RELATION TO SOLUTE TRANSPORT AND PHLOEM LOADING
FOR THE PERIOD 07-01-80 THROUGH 12-31-83
AT A TOTAL COST OF \$165,000.00
AWARD # PCM-8003855, MOD. 2
MSN L&S BOTANY (144-P614) 55,000.00
- 8) CONVECTION OVER THE INDIAN OCEAN AND THE MONSOON CIRCULATION DURING SUMMER MONEX
FOR THE PERIOD 08-01-80 THROUGH 01-31-84
AT A TOTAL COST OF \$121,946.00
AWARD # ATM-7920850, MOD. 2
MSN GRAD SPACE SCI&ENG CT (144-P687) 52,447.00
- 9) ENZYMES AND METABOLITES OF CARBOHYDRATE OXIDATION WITHIN VEGETATIVE HEBE SHOOT APICES
FOR THE PERIOD 07-15-80 THROUGH 12-31-83
AT A TOTAL COST OF \$89,620.00
AWARD # PCM-8010957, MOD. 2
MSN L&S BOTANY (144-P781) 41,188.00
- 10) THE INTERMEDIATE-DEPTH EARTHQUAKES OF THE BUCARAMANGA NEST AND THE TECTONICS OF WESTERN COLOMBIA: ANALYSIS OF 1979 DATA
FOR THE PERIOD 11-15-80 THROUGH 10-31-83
AT A TOTAL COST OF \$85,600.00
AWARD # EAR-8019699, MOD. 1
MSN L&S GEOL & GEOPHYSCS (144-Q464) 40,000.00
- 11) ACQUISITION AND IMPLEMENTATION OF SOFT X-RAY BEAM-LINES ON THE ALADDIN STORAGE RING AT THE SYNCHROTRON RADIATION CENTER
FOR THE PERIOD 01-15-81 THROUGH 06-30-83
AT A TOTAL COST OF \$392,600.00
AWARD # DMR-8013703, MOD. 1
MSN GRAD PHY SCIENCES LAB (144-Q568) 160,000.00
- 12) HIGH-RESOLUTION SPECTROSCOPIC STUDIES IN AERONOMY
FOR THE PERIOD 04-15-81 THROUGH 09-30-83
AT A TOTAL COST OF \$130,000.00
AWARD # ATMB021064, MOD. 1
MSN L&S PHYSICS (144-Q757) 65,000.00
- 13) IMPROVING THE CHOICE OF PARAMETERS FOR NONLINEAR MODELS
FOR THE PERIOD 06-15-81 THROUGH 11-30-84
AT A TOTAL COST OF \$34,419.00
AWARD # MCS-8102732, MOD. 1
MSN L&S STATISTICS (144-Q840) 23,786.00

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- 14) THE ROLE OF LIPIDS IN MEMBRANE EXCITATION IN
PARAMECIUM
FOR THE PERIOD 07-01-81 THROUGH 12-31-83
AT A TOTAL COST OF \$162,950.00
AWARD # BNS-8100832, MOD. 1
MSN AG&LSC BIOCHEMISTRY (144-Q945) 82,919.00
- 15) ENZYMES INVOLVED IN REGULATION OF NITROGENASE
ACTIVITY
FOR THE PERIOD 07-01-81 THROUGH 12-31-83
AT A TOTAL COST OF \$88,000.00
AWARD # PCM-8140864, MOD. 1
MSN AG&LSC BIOCHEMISTRY (144-Q946) 50,000.00
- 16) A SOFTWARE-PARTIONABLE MULTICOMPUTER: TESTBED
FOR RESEARCH IN DISTRIBUTED COMPUTING
FOR THE PERIOD 06-15-81 THROUGH 11-30-83
AT A TOTAL COST OF \$1,717,495.00
AWARD # MCS-8105904, MOD. 1
MSN L&S COMPUTER SCI (144-Q970) 1,046,967.00
- 17) MACROLIDE AGLYCONES; MACROCYCLE CHEMISTRY
FOR THE PERIOD 07-01-81 THROUGH 12-31-83
AT A TOTAL COST OF \$153,966.00
AWARD # CHE-8113026, MOD. 1
MSN L&S CHEMISTRY (144-RO02) 77,000.00
- 18) MECHNISTIC AND ANALYTICAL STUDIES IN ORGANIC
ELECTROCHEMISTRY
FOR THE PERIOD 09-01-81 THROUGH 02-29-84
AT A TOTAL COST OF \$197,082.00
AWARD # CHE-8111421, MOD. 1
MSN L&S CHEMISTRY (144-RO05) 91,966.00
- 19) SYNTHETIC APPLICATIONS OF ORGANOMETALLOIDS
FOR THE PERIOD 09-01-81 THROUGH 02-28-84
AT A TOTAL COST OF \$125,533.00
AWARD # CHE-8111038, MOD. 1
MSN L&S CHEMISTRY (144-R117) 68,701.00
- 20) GENETICS OF SEGREGATION DISTORTION IN DROSOPHILA
FOR THE PERIOD 08-01-81 THROUGH 01-31-84
AT A TOTAL COST OF \$134,938.00
AWARD # PCM-8102325, MOD. 1
MSN AG&LSC GENETICS (144-R131) 70,000.00
- 21) QUANTITATIVE GENETIC ASPECTS OF GROWTH AND FORM
FOR THE PERIOD 09-01-81 THROUGH 02-29-84
AT A TOTAL COST OF \$139,758.00
AWARD # DEB-8109904, MOD. 1
MSN AG&LSC ENTOMOLOGY (144-R315) 66,891.00
- 22) SATELLITE DERIVED EARTH AND ATMOSPHERE ENERGY
BALANCE DURING SUMMER MONEX
FOR THE PERIOD 06-01-82 THROUGH 11-30-83
AWARD # ATM-8205386
MSN GRAD SPACE SCI&ENG CT (144-S039) 82,900.00

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23)	INTERANNUAL VARIABILITY OF TROPICAL CLIMATE FOR THE PERIOD 06-01-82 THROUGH 11-30-83 AWARD # ATM-8200511 MSN L&S METEOROLOGY	(144-S041)	60,500.00
24)	INFERENCE IN TIME SERIES AND OTHER STOCHASTIC PROCESSES (MATHEMATICAL SCIENCES) FOR THE PERIOD 06-15-82 THROUGH 11-30-84 AWARD # MCS-8202205 MSN L&S STATISTICS	(144-S042)	18,000.00
25)	ADVANCES IN THE THEORY AND DESIGN OF DIAGNOSTIC COMPILERS AND LANGUAGE-BASED PROGRAM DEVELOPMENT SYSTEMS FOR THE PERIOD 09-15-82 THROUGH 02-28-85 AWARD # MCS-8202444 MSN L&S COMPUTER SCI	(144-S043)	107,236.00
26)	ASYMPTOTIC PROBLEMS IN FUNCTION THEORY AND INTEGRDIFFERENTIAL EQUATIONS (MATHEMATICAL SCIENCES) FOR THE PERIOD 06-15-82 THROUGH 11-30-83 AWARD # MCS-8200728 MSN L&S MATHEMATICS	(144-S077)	31,370.00
27)	COMPUTATIONAL ASPECTS OF SITUATION SEMANTICS (COMPUTER RESEARCH) FOR THE PERIOD 07-01-82 THROUGH 12-31-84 AWARD # MCS-8201940 MSN L&S COMPUTER SCI	(144-S103)	52,609.00
28)	ON THE ENZYMIC MECHANISMS OF TRANSMEMBRANE TRANSPORT FOR THE PERIOD 07-01-82 THROUGH 12-31-83 AWARD # PCM-8200694 MSN GRAD ENZYME INSTITUTE	(144-S114)	59,760.00
29)	HUMAN TERRITORIAL BEHAVIOR FOR THE PERIOD 06-15-82 THROUGH 11-30-84 AWARD # SES-8117807 MSN L&S GEOGRAPHY	(144-S132)	30,957.00
30)	DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY OUTCOMES: A PROSPECTIVE STUDY OF VIETNAMESE REFUGEES FOR THE PERIOD 06-15-82 THROUGH 11-30-83 AWARD # SES-8205497 MSN L&S SOCIOLOGY	(144-S150)	5,600.00
31)	TESTING AND DIAGNOSIS IN VLSI CIRCUITS AND SYSTEMS FOR THE PERIOD 07-01-82 THROUGH 12-31-83 AWARD # MCS-8206564 MSN ENGR ENGR EXPER STA EL&COMPUT	(144-S154)	52,740.00

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32)	AN EQUILIBRIUM ANALYSIS OF CORPORATE SUPPLY ADJUSTMENTS IN THE FINANCIAL AND REAL SECTORS: A GENERALIZED FINANCIAL THEORY OF THE FIRM FOR THE PERIOD 07-01-82 THROUGH 12-31-83 AWARD # SES-8207475 MSN BUS SCH OF BUSINESS	(144-S165)	19,235.00
33)	THE RISE OF MODERN CHEMISTRY FOR THE PERIOD 06-01-82 THROUGH 05-31-83 AWARD # SES-8204558 MSN L&S HISTORY OF SCI	(144-S169)	6,000.00
34)	BIOSYNTHESIS AND PROPERTIES OF NA,K-ATPASE FOR THE PERIOD 07-01-82 THROUGH 12-31-83 AWARD # PCM-8120635 MSN HS-MED PHARMACOLOGY	(144-S172)	40,000.00
35)	EVALUATION OF DATABASE MACHINE ARCHITECTURES FOR THE PERIOD 08-15-82 THROUGH 01-31-85 AWARD # MCS-8201870 MSN L&S COMPUTER SCI	(144-S177)	76,486.00
36)	USE OF SYNCHROTRON RADIATION TO INVESTIGATE SEMICONDUCTOR INTERFACES FOR THE PERIOD 08-01-82 THROUGH 01-31-86 AWARD # INT-8122013 MSN L&S PHYSICS	(144-S180)	12,900.00
37)	VLSI IMPLICATIONS ON COMPUTER DESIGN (COMPUTER RESEARCH) FOR THE PERIOD 06-15-82 THROUGH 12-31-84 AWARD # MCS-8202952 MSN L&S COMPUTER SCI	(144-S188)	69,655.00
38)	COMPLETION AND PUBLICATION OF RIGGS FINAL REPORT FOR THE PERIOD 04-15-82 THROUGH 09-30-83 AWARD # DPP-8119989 MSN L&S GEOL & GEOPHYSCS GEO&POL R	(144-S194)	51,108.00
39)	STABILITY OF LINEAR SPLINE APPROXIMATION SCHEMES (MATHEMATICAL SCIENCES) FOR THE PERIOD 07-01-82 THROUGH 12-31-84 AWARD # MCS-8200768 MSN L&S MATHEMATICS	(144-S195)	10,000.00
53.	NATIONAL SCIENCE FOUNDATION WASHINGTON, DC STRUCTURAL GEOLOGY OF WESTERN SVALBARD FOR THE PERIOD 05-01-82 THROUGH 10-31-83 AWARD # DPP-8203038 MSN L&S GEOL & GEOPHYSCS	(144-S038)	60,035.00
54.	STATE UNIVERSITY OF NEW YORK AT ALBANY ALBANY, NY PRIME CONTRACTOR WITH NSF AN INTERACTIVE VIDEO DISPLAY TERMINAL TO BE LOCATED AT SUNY-ALBANY FOR THE PERIOD 03-01-82 THROUGH 02-28-83 AWARD # P.O. 1197A MSN GRAD SPACE SCI&ENG CT	(144-R783)	89,040.00

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55.	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC CAMBRIDGE, MA PRIME CONTRACTOR WITH NSF TOPICS IN ECONOMIC THEORY FOR THE PERIOD 07-27-80 THROUGH 12-31-82 AT A TOTAL COST OF \$24,508.74 AWARD # 168 & 169, MOD. 5 MSN L&S ECONOMICS	(144-Q003)	2,291.00
56.	NORTHWESTERN UNIVERSITY EVANSTON, IL PRIME CONTRACTOR WITH NSF CONTINUED SUPPORT OF THE MIDWESTERN ASTRONOMICAL DATA REDUCTION AND ANALYSIS FACILITY FOR THE PERIOD 05-01-82 THROUGH 10-31-83 AWARD # 0695-602-90 MSN L&S ASTRONOMY	(144-S029)	80,000.00
57.	SMITHSONIAN INSTITUTION WASHINGTON, DC CHEMICAL AND PHYSICAL ANALYSIS OF CLASSIC TIAHUANACO TAPESTRIES FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # FC-205548(82/202) MSN FR&CS FAM RSRC&CNSM SC	(144-S067)	15,000.00
58.	STATE, AGENCY FOR INTERNATIONAL DEVELOP WASHINGTON, DC RURAL TECHNOLOGY TRANSFER SYSTEM - ECUADAR RESEARCH FOR THE PERIOD 03-01-82 THROUGH 11-30-83 AWARD # AID/DSAN-CA-0183 MSN AG&LSC LAND TENURE CTR	(144-S159)	149,435.00
59.	MICHIGAN STATE UNIVERSITY EAST LANSING, MI PRIME CONTRACTOR WITH STATEAID IMPROVED TECHNIQUES FOR DEVELOPMENT OF MULTIPLE DISEASE RESISTANCE IN PHASEOLUS VULGARIS L FOR THE PERIOD 05-01-82 THROUGH 06-30-85 AWARD # AID/DSAN/XII-G-0261 MSN AG&LSC PLANT PATHOLOGY	(144-S176)	91,520.00
60.	CANCER RESEARCH- MCARDLE MEMORIAL LABORATORY MSN HS-MED ONCOLOGY	(133-A250)	
	314.00	MULTIPLE DONORS	
	250.00	MULTIPLE DONORS IN MEMORY OF EDWARD KNUTSON	
	301.00	MULTIPLE DONORS IN MEMORY OF LUCILE JOHNSON	
	115.00	MULTIPLE DONORS	
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	610.00	MULTIPLE DONORS IN MEMORY OF JOHN OKEY	
	150.00	MULTIPLE DONORS IN MEMORY OF CORNELIA SCHIAN	
	370.00	MULTIPLE DONORS	
			2,212.00

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61.	CANCER RESEARCH MSN HS-MED	(133-A251)	
	393.87	UNITED FUND OF TROY TOWNSHIP, INC. ST. CROIX COUNTY, WI	
	501.00	UNITED WAY OF SOUTH WOOD COUNTY, INC. WISCONSIN RAPIDS, WI	
			894.87
62.	LANCASTER COMMUNITY CHEST LANCASTER, WI HEART RESEARCH MSN HS-MED	(133-A252)	825.00
63.	HORICON UNITED COMMUNITY SERVICES, INC. HORICON, WI GENERAL MEDICAL RESEARCH MSN HS-MED	(133-A253)	250.00
64.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF MEDICINE RESEARCH AND DEVELOPMENT FUND MSN HS-MED MEDICINE	(133-A525)	10,000.00
65.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH AND DEVELOPMENT IN THE DEPARTMENT OF DIAGNOSTIC RADIOLOGY MSN HS-MED RADIOLOGY	NUCL MED (133-A529)	6,400.00
66.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF NEUROLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED NEUROLOGY	(133-A533)	3,000.00
67.	GENERAL FOODS FUND WHITE PLAINS, NY GENERAL FOODS CHAIR OF NUTRITION MSN AG&LSC NUTRIT SCIENCES	(133-A610)	50,000.00
68.	STRAWBERRY RESEARCH MSN AG&LSC HORTICULTURE	(133-A728)	
	2,000.00	WISCONSIN BERRY GROWERS ASSOCIATION OREGON, WI	
	500.00	MULTIPLE DONORS	
			2,500.00
69.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ADOLF AND ELLA FRANKENTHAL MEMORIAL FUND MSN AG&LSC MEAT & ANIMAL SC	(133-A839)	9,000.00

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70.	MULTIPLE DONORS DEPARTMENT OF FORESTRY GENERAL RESEARCH FUND MSN AG&LSC NAT RESOURCES FORESTRY (133-A872)	130.00
71.	AYERST LABORATORIES NEW YORK, NY STUDY ON THE SAFETY OF "INDERAL" IN PATIENTS WITH ANGINA PECTORIS MSN HS-MED MEDICINE CARDIOLOGY (133-A914)	12,145.00
72.	MERCK SHARP & DOHME RESEARCH LABORATORIES WEST POINT, PA GRADUATE RESEARCH MSN HS-PHR PHARMACY (133-A924)	12,000.00
73.	MULTIPLE DONORS CANCER RESEARCH AND RELATED ACTIVITIES MSN HS-HSP ADMINISTRATION ADMIN (133-A934)	10.00
74.	GETTY SYNTHETIC FUELS, INC. SIGNAL HILL, CA METHANE GENERATION FROM REFUSE MSN ENGR ENGR EXPER STA CIVIL&ENV (133-B099)	3,660.57
75.	MULTIPLE DONORS HEART RESEARCH-CARDIOLOGY SECTION MSN HS-MED MEDICINE (133-B379)	10.00
76.	WILSON & GEORGE MEYER & CO. SOUTH SAN FRANCISCO, CA POTATO RESEARCH MSN AG&LSC PLANT PATHOLOGY (133-B496)	2,500.00
77.	CHEVRON CHEMICAL COMPANY SAN FRANCISCO, CA ORCHARD FRUIT DISEASES AND THEIR CONTROL MSN AG&LSC PLANT PATHOLOGY (133-B497)	1,200.00
78.	BASF WYANDOTTE CORPORATION PARSIPPANY, NJ FIELD CROP DISEASES MSN AG&LSC PLANT PATHOLOGY (133-B522)	1,250.00
79.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF ORTHOPEDIC SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY (133-B574)	17,863.00
80.	KING ANIMAL LABORATORIES, INC. OREGON, WI SURGICAL BACTERIOLOGY RESEARCH FUND MSN HS-MED SURGERY GEN SURG (133-B647)	2,205.00
81.	INSECT CONTROL AND RESIDUE STUDIES ON VEGETABLE CROPS MSN AG&LSC ENTOMOLOGY (133-B831)	
	2,500.00 UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC. RESEARCH TRIANGLE PARK, NC	
	1,750.00 MULTIPLE DONORS	
		4,250.00

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82.	DOW CHEMICAL COMPANY MIDLAND, MI EFFECT OF NITRIFICATION INHIBITORS, PARTICULARLY NITRAPYRIN, ON DENITRIFICATION IN SOILS MSN AG&LSC SOILS	(133-B952)	5,000.00
83.	MULTIPLE DONORS SUSTAINING FUND FOR CHEESE RESEARCH INSTITUTE MSN AG&LSC FOOD SCIENCE	(133-B996)	624.96
84.	POTASH/PHOSPHATE INSTITUTE ATLANTA, GA EVALUATE FERTILIZATION FOR HIGH YIELDING ALFALFA PRODUCTION BY USING THE DRIS SYSTEM FOR ADJUSTING FERTILIZER RECOMMENDATIONS MSN AG&LSC SOILS	(133-C185)	3,000.00
85.	POTASH & PHOSPHATE INSTITUTE ATLANTA, GA STUDY THE RESPONSE OF CORN IN STARTER PHOSPHOROUS MSN AG&LSC SOILS	(133-C186)	1,850.00
86.	AMERICAN HEART ASSOCIATION DALLAS, TX AMERICAN HEART ASSOCIATION ESTABLISHED INVESTIGATORSHIP FOR THE PERIOD 07-01-78 THRU 06-30-83 AT A \$165,710 LEVEL AWARD # 78-158 MSN HS-MED MEDICINE	HEMATOLOGY (133-C214)	33,992.00
87.	SEARLE (G D) & COMPANY CHICAGO, IL DISCRETIONARY RESEARCH IN THE SCHOOL OF PHARMACY MSN HS-PHR PHARMACY	(133-C215)	14,000.00
88.	MULTIPLE DONORS WEED CONTROL MSN AG&LSC HORTICULTURE	(133-C732)	900.00
89.	MULTIPLE DONORS ENVIRONMENTAL PHYSIOLOGY PROGRAM MSN AG&LSC HORTICULTURE	(133-C784)	200.00
90.	WISC DEPT OF AGRICULTURE, TRADE & CONSUMER PROTECTION MADISON, WI FERTILIZER RESEARCH - SOIL MANAGEMENT, SOIL FERTILITY AND PLANT NUTRITION PROBLEMS FOR THE PERIOD 07-01-79 THRU 06-30-83 AT A \$469,874.80 LEVEL MSN AG&LSC SOILS	(133-C950)	147,452.38
91.	WISCONSIN BERRY GROWERS ASSOCIATION OREGON, WI STRAWBERRY PLANT NUTRITION AND PLANT SPACING RESEARCH MSN AG&LSC HORTICULTURE	(133-C974)	1,900.00

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92.	CORN INSECT RESEARCH MSN AG&LSC ENTOMOLOGY	(133-C975)	
	3,500.00	DOW CHEMICAL COMPANY MIDLAND, MI	
	500.00	MULTIPLE DONORS	
	1,000.00	AMERICAN HOECHST CORPORATION SOMERVILLE, NJ	
	700.00	MULTIPLE DONORS	
	1,500.00	ICI AMERICAS, INC. WILMINGTON, DE	
	2,000.00	UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC. RESEARCH TRIANGLE PARK, NC	
	1,500.00	MULTIPLE DONORS	
			10,700.00
93.	SCHWARTZ (ERVIN) MADISON, WI SEED QUALITY RESEARCH MSN AG&LSC AGRONOMY	(133-C999)	2,596.00
94.	WISC DEPT OF AGRICULTURE, TRADE & CONSUMER PROTECTION MADISON, WI EXPANDED APPLIED RESEARCH PROGRAM DIRECTED TOWARD IMPROVEMENT OF THE WISCONSIN CRANBERRY INDUSTRY - CRANBERRY DISEASES AND FUNGICIDES FOR THE PERIOD 07-01-82 THRU 06-30-83 MSN AG&LSC PLANT PATHOLOGY	(133-DO22)	9,500.00
95.	WISC DEPT OF AGRICULTURE, TRADE & CONSUMER PROTECTION MADISON, WI EXPANDED APPLIED RESEARCH PROGRAM DIRECTED TOWARD IMPROVEMENT OF THE WISCONSIN CRANBERRY INDUSTRY - COLOR ENHANCEMENT FOR THE PERIOD 07-01-82 THRU 06-30-83 MSN AG&LSC HORTICULTURE	(133-DO24)	9,700.00
96.	PLANT BREEDING AND GENETICS OF VEGETABLE CROPS MSN AG&LSC HORTICULTURE	(133-D117)	
	2,700.00	WISCONSIN PICKLE PACKERS ASSOCIATION OCONTO, WI	
	4,400.00	PICKLE PACKERS INTERNATIONAL, INC. ST. CHARLES, IL	
			7,100.00
97.	ABBOTT LABORATORIES NORTH CHICAGO, IL GROWTH REGULATORS - FRUIT CROPS MSN AG&LSC HORTICULTURE	(133-D127)	2,100.00

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98.	NATIONAL COTTONSEED PRODUCTS ASSOCIATION MEMPHIS, TN FEED SAMPLE ANALYSIS MSN AG&LSC DAIRY SCIENCE	(133-D130)	1,500.00
99.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ENVIRONMENTAL RESEARCH RELATED TO FISHERIES AND AQUATIC SYSTEMS MSN L&S ZOOLOGY	(133-D190)	950.00
100.	TOBACCO INVESTIGATIONS MSN AG&LSC HORTICULTURE	(133-D253)	
	750.00 MULTIPLE DONORS 4,400.00 REYNOLDS (R J) INDUSTRIES, INC. WINSTON-SALEM, NC		
			5,150.00
101.	STETLER (PEARL M) RESEARCH FUND FOR WOMEN PHYSICIANS CHICAGO, IL PHYSIOLOGICAL REGULATION OF BODY WEIGHT MSN L&S PSYCHOLOGY	(133-D274)	1,000.00
102.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH AND EDUCATIONAL PROGRAMS IN THE DEPARTMENT OF HUMAN ONCOLOGY MSN HS-MED HUMAN ONCOLOGY	(133-D448)	3,797.60
103.	BURROUGHS WELLCOME COMPANY RESEARCH TRIANGLE PARK, NC CARDIOPULMONARY STUDIES MSN AG&LSC VETERINARY SCI	(133-D480)	1,700.00
104.	INSECT PEST MANAGEMENT MSN AG&LSC ENTOMOLOGY	(133-D617)	
	1,125.00 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI 1,400.00 CHEVRON CHEMICAL COMPANY CREVE COEUR, MO 450.00 MULTIPLE DONORS		
			2,975.00
105.	ALCON LABORATORIES, INC FORT WORTH, TX DRUG DELIVERY AND ARTIFICIAL TEARS MSN HS-PHR PHARMACY	(133-D621)	10,000.00
106.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI HEAVY ION BEAM FUSION REACTOR DESIGN MSN ENGR ENGR EXPER STA NUCL ENGR	(133-D624)	64,126.69

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107.	MULTIPLE DONORS DEPARTMENT OF PATHOLOGY DISCRETIONARY FUND MSN HS-MED PATHOL & LAB MED ANAT PATH (133-D646)	200.00
108.	POST PEACE ASSISTANCE FELLOW MSN AG&LSC FOOD SCIENCE (133-D648)	
	1,000.00 EGYPTIAN CULTURAL AND EDUCATIONAL BUREAU WASHINGTON, DC	
	3,046.11 AMERICA-MIDEAST EDUCATIONAL & TRAINING SERVICES, INC. WASHINGTON, DC	
		4,046.11
109.	ALCOA FOUNDATION PITTSBURGH, PA UNDERCOOLING IN ALUMINUM POWDERS MSN ENGR ENGR EXPER STA MET & MIN (133-D676)	7,500.00
110.	WISC DEPT OF AGRICULTURE, TRADE & CONSUMER PROTECTION MADISON, WI EXPANDED APPLIED RESEARCH PROGRAM DIRECTED TOWARD IMPROVEMENT OF THE WISCONSIN CRANBERRY INDUSTRY - CRANBERRY INSECT CONTROL FOR THE PERIOD 07-01-82 THRU 06-30-83 MSN AG&LSC ENTOMOLOGY (133-D679)	7,400.00
111.	DAIRYLAND FOOD LABORATORIES, INC WAUKESHA, WI CLONING OF THE GENE FOR CALF PROCHYMOSIN BIOSYNTHESIS ON A CHIMERIC YEAST PLASMID AT A \$62,066 LEVEL MSN GRAD MOLECULAR BIOL (133-D776)	7,853.00
112.	MULTIPLE DONORS BURN AND TRAUMA RESEARCH MSN HS-MED SURGERY GEN SURG (133-D791)	400.00
113.	POTASH & PHOSPHATE INSTITUTE ATLANTA, GA EFFECTS OF SOIL P AND K AND BROADCAST N ON RESPONSE OF CORN TO ROW FERTILIZER MSN AG&LSC SOILS (133-D841)	2,980.00
114.	WEISS (LEONARD W) MADISON, WI ACADEMIC RESEARCH PROJECT MSN L&S ECONOMICS (133-D942)	200.00
115.	REYNOLDS (R J) INDUSTRIES, INC. WINSTON-SALEM, NC TOBACCO FERTILITY INVESTIGATIONS MSN AG&LSC HORTICULTURE (133-D952)	9,000.00

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116.	REYNOLDS (R J) INDUSTRIES, INC. WINSTON-SALEM, NC TOBACCO INVESTIGATIONS MSN AG&LSC PLANT PATHOLOGY	(133-D953)	9,000.00
117.	HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA BRATTLEBORO, VT BULL AND COW EVALUATIONS FOR FINAL SCORE, BREAKDOWN COMPONENTS AND LINEARIZED DESCRIPTIVE TYPE TRAITS MSN AG&LSC DAIRY SCIENCE	(133-D995)	23,500.00
118.	EPIDEMIOLOGY AND CONTROL OF VEGETABLE CROP DISEASES MSN AG&LSC PLANT PATHOLOGY	(133-E035)	
	600.00 MULTIPLE DONORS 1,500.00 CITIES SERVICE COMPANY COPPERHILL, TN		2,100.00
119.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI STUDY ON THE TANDEM MIRROR FUSION REACTOR AS A TECHNOLOGY TEST MSN ENGR ENGR EXPER STA NUCL ENGR	(133-E128)	90,000.00
120.	MADISON METROPOLITAN SEWERAGE DISTRICT MADISON, WI RESEARCH ON MADISON METROPOLITAN SEWERAGE DISTRICT SYSTEM OPERATIONS MSN ENGR ENGR EXPER STA CIVIL&ENV	(133-E263)	7,000.00
121.	ENGINEERING EXPERIMENT STATION EXECUTIVE DIRECTOR'S DISCRETIONARY ACCOUNT MSN ENGR ENGR EXPER STA ADMIN	(133-E302)	
	365.00 GETTY SYNTHETIC FUELS SIGNAL HILL, CA 950.00 ALLIS-CHALMERS CORPORATION MILWAUKEE, WI		1,315.00
122.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PEDIATRIC OPHTHALMOLOGY RESEARCH MSN HS-MED OPHTHALMOLOGY	(133-E349)	2,718.79
123.	MULTIPLE DONORS VERTICILLIUM WILT TESTING ON EXPERIMENTAL ALFALFA (FORAGE DISEASE RESEARCH) MSN AG&LSC PLANT PATHOLOGY	(133-E365)	200.00

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124.	FISONS CORPORATION BEDFORD, MA RESEARCH IN PHARMACY MSN HS-PHR PHARMACY	(133-E390)	5,000.00
125.	PAN-AMERICAN SEED WEST CHICAGO, IL POTATO RESEARCH MSN AG&LSC HORTICULTURE	(133-E443)	7,500.00
126.	POTASH & PHOSPHATE INSTITUTE ATLANTA, GA SOYBEAN RESPONSE TO POTASSIUM AND NITROGEN UNDER HIGH YIELD ENVIRONMENTS MSN AG&LSC SOILS	(133-E464)	5,000.00
127.	COLOGNE (UNIVERSITY OF) COLOGNE, FEDERAL REPUBLIC OF GERMANY AN EXAMINATION OF RECENTLY ENACTED U.S. STATE LEGISLATION AND ITS EFFECT ON THE ARCHIVAL RECORDS AT A \$29,858.23 LEVEL AWARD # 61-4 MSN L&S SOC SC DATA&COMP	(133-E543)	11,195.56
128.	AMERICAN HEART ASSOCIATION, INC. DALLAS, TX ROLE OF CONNECTIN IN CARDIAC MYOFIBRILS FOR THE PERIOD 07-01-81 THRU 06-30-83 AT A \$54,670 LEVEL AWARD # 81-1024 MSN AG&LSC MEAT & ANIMAL SC	(133-E556)	27,170.00
129.	NATIONAL ASSOCIATION OF ANIMAL BREEDERS COLUMBIA, MO CLONING AND DEVELOPMENT OF MURINE AND BOVINE EMBRYOS MSN AG&LSC MEAT & ANIMAL SC	(133-E633)	7,500.00
130.	CORPORATE ADVANCED HARVESTING SYSTEMS INTERNATIONAL HARVESTER COMPANY HILLSIDE, IL ALFALFA PROTEIN CONCENTRATE FOR MILK PRODUCTION MSN AG&LSC DAIRY SCIENCE	(133-E652)	500.00
131.	AMERICAN HEART ASSOCIATION DALLAS TX ESTABLISHED INVESTIGATORSHIP AWARD FOR THE PERIOD 07-01-81 THRU 06-30-83 AT A \$65,513 LEVEL AWARD # 81-104 MSN HS-MED PHYSIOLOGY	(133-E662)	34,235.00
132.	AMERICAN INSTITUTE OF THE HISTORY OF PHARMACY CHICAGO, IL HISTORY OF PHARMACY RESEARCH MSN HS-PHR PHARMACY	(133-E691)	4,048.00

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133.	SOHIO PETROLEUM COMPANY SAN FRANCISCO, CA SOHIO GRANT-IN-AID MSN L&S GEOL & GEOPHYSCS	(133-E692)	10,000.00
134.	BAYLIS (JEFFREY R) MADISON, WI SUPPORT STUDENT HOURLY HELP IN PROJECT RESEARCH INVOLVING THE COURTSHIP AND PARENTAL CARE INTERACTIONS IN FISHES I MSN L&S ZOOLOGY	(133-E707)	300.00
135.	UPJOHN COMPANY KALAMAZOO, MI STUDY OF PGE1 - U10, 136, PROTOCOL 2913 TERMINATED PER MUTUAL AGREEMENT MSN HS-MED SURGERY GEN SURG	(133-E712)	2,000.00-
136.	AMERICAN HEART ASSOCIATION DALLAS, TX CA+ AND THE PATHOPHYSIOLOGY OF THE ADULT RAT MYOCYTE FOR THE PERIOD 07-01-81 THRU 06-30-83 AT A \$43,120 LEVEL AWARD # 81-870 MSN HS-MED SURGERY THORACIC S	(133-E723)	15,620.00
137.	MULTIPLE DONORS FLORICULTURE RESEARCH & EXTENSION PROGRAM MSN AG&LSC HORTICULTURE	(133-E729)	215.00
138.	WILSON & GEORGE MEYER & COMPANY SOUTH SAN FRANCISCO, CA POTATO RESPONSE TO NON-LIME CALCIUM ADDITIONS ON SANDS IN CENTRAL WISCONSIN MSN AG&LSC SOILS	(133-E730)	1,500.00
139.	UPJOHN COMPANY KALAMAZOO, MI DETERMINIZATION OF CLINICAL EFFICACY AND INCIDENCE OF TROMBOCYTOPENIA IN PATIENTS TREATED WITH A BEEF LUNG HEPARIN MANUFACTURED BY A NEW PROCESS MSN HS-PHR PHARMACY	(133-E789)	3,600.00
140.	ALLIED INDUSTRIAL WORKERS OF AMERICA MILWAUKEE, WI DEFRAY COST OF SALARY OF RESEARCH ASSISTANT MSN L&S IND REL RES INST	(133-E796)	2,050.00
141.	MULTIPLE DONORS FRUIT CROPS WEED CONTROL MSN AG&LSC HORTICULTURE	(133-E826)	500.00
142.	CORPORATE ADVANCED HARVESTING SYSTEMS INTERNATIONAL HARVESTER COMPANY HILLSIDE, IL A COMPREHENSIVE COMPARISON OF THE WET FRACTIONATION FORAGE HARVEST SYSTEM WITH TWO CONVENTIONAL SYSTEMS MSN AG&LSC AGRONOMY	(133-E861)	28,000.00

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143.	TAMPAX INCORPORATED LAKE SUCCESS, NY TOXIC SHOCK SYNDROME RESEARCH MSN AG&LSC FOOD MICRO&TOXIC	(133-E869)	40,000.00
144.	HEREDITARY NEPHRITIS FOUNDATION BLANDING, UT IMMUNOHISTOCHEMICAL AND BIOCHEMICAL STUDIES OF HEREDITARY NEPHRITIS MSN HS-MED PATHOL & LAB MED ANAT PATH	(133-E898)	3,000.00
145.	NATIONAL LIVE STOCK AND MEAT BOARD CHICAGO, IL AVAILABILITY AND CHEMISTRY OF THE IMPORTANT MINERAL NUTRIENTS, IRON AND ZINC, FROM CURED MEATS MSN AG&LSC FOOD SCIENCE	(133-E911)	3,750.00
146.	MULTIPLE DONORS ACUTE LEUKEMIA/BONE MARROW TRANSPLANTATION RESEARCH FUND MSN HS-MED MEDICINE HEMATOLOGY	(133-E923)	60.00
147.	MULTIPLE DONORS PHARMACY RESEARCH MSN HS-PHR PHARMACY	(133-E939)	850.00
148.	UPJOHN COMPANY KALAMAZOO, MI LODOXAMIDE TROMETHAMINE PROTOCOL 3320 MSN HS-MED MEDICINE ALLRGY&IMM	(133-E968)	10,000.00
149.	UNITED NATIONS ENVIRONMENT PROGRAMME NAIROBI, KENYA A FIELD PROGRAM ON LEWIS GLACIER, MOUNT KENYA MSN L&S METEOROLOGY	(133-E995)	12,000.00
150.	MUSCULAR DYSTROPHY ASSOCIATION, INC. NEW YORK, NY HOW BACTERIAL FLAGELLA WORK TO BEING ABOUT MOTION FOR THE PERIOD 01-01-82 THRU 12-31-82 MSN AG&LSC BIOCHEMISTRY	(133-FO23)	22,000.00
151.	MINNESOTA MINING & MANUFACTURING COMPANY ST. PAUL, MN WISCONSIN PHARMACEUTICS RESEARCH LABORATORY MSN HS-PHR PHARMACY	(133-F098)	12,500.00
152.	MEADOX MEDICALS, INC. OAKLAND, NJ INTRACRANIAL PRESSURE MONITOR MSN HS-MED SURGERY	(133-F155)	6,000.00
153.	WARNER-LAMBERT COMPANY ANN ARBOR, MI PROCATEROL STEROID SPARING MULTICENTER TRIAL MSN HS-MED MEDICINE ALLRGY&IMM	(133-F247)	12,700.00

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154.	SMITH, KLINE, AND FRENCH LABORATORIES PHILADELPHIA, PA STUDY OF SAFETY AND PERITONEAL EQUILIBRATION AND CLEARANCE OF FK-749 (SK & F 88373-Z) MSN HS-MED MEDICINE INFECT DIS (133-F248)	14,200.00
155.	MILWAUKEE METROPOLITAN SEWERAGE DISTRICT MILWAUKEE, WI INTERACTIVE ECONOMIC SLUDGE MANAGEMENT MODEL MSN ENGR ENGR EXPER STA CIVIL&ENV (133-F254)	6,500.00
156.	AMERICAN LUNG ASSOCIATION NEW YORK, NY ALA PEDIATRIC INSTITUTION TRAINING GRANT FOR THE PERIOD 07-01-82 THRU 06-30-83 MSN HS-MED PEDIATRICS (133-F275)	14,000.00
157.	THOMPSON (L. R.) MADISON, WI LACTATE TO GLYCOGEN CONVERSION: GLYCOGEN CO-EFFICIENTS AND 14C-LACTATE INCORPORATION- A PILOT STUDY IN RATS MSN AG&LSC NUTRIT SCIENCES (133-F278)	500.00
158.	MULTIPLE DONORS SIMULATIONS OF PARTIAL DIFFERENTIAL EQUATIONS MSN ENGR ENGR EXPER STA EL&COMPUT (133-F282)	500.00
159.	MILES LABORATORIES, INC. ELKHART, IN RESEARCH IN GLUCOSE METABOLISM MSN HS-MED PEDIATRICS (133-F283)	550.00
160.	WISC DEPT OF TRANSPORTATION MADISON, WI EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 06-01-82 THRU 08-31-82 AWARD # P.O. #TRB 06478 MSN ENV ST ENVIR POLICY ST (133-F290)	3,200.00
161.	WISC DEPT OF TRANSPORTATION MADISON, WI EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 06-01-82 THRU 08-31-82 AWARD # P.O. #TRB 06479 MSN L&S URBAN & REG PLAN (133-F291)	3,200.00
162.	OFFICE OF THE STATE PUBLIC DEFENDER MADISON, WI EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 05-24-82 THRU 07-23-82 MSN L&S SOCIAL WORK (133-F294)	4,639.30
163.	OFFICE OF THE STATE PUBLIC DEFENDER MADISON, WI EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 05-24-82 THRU 08-22-82 MSN L&S SOCIAL WORK (133-F295)	7,011.49

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164.	ALLIS-CHALMERS CORPORATION MILWAUKEE, WI ADDRESSING THE APPLICATION OF MICROPROCESSOR TECHNOLOGY TO INDUSTRIAL/AGRICULTURAL USES MSN ENGR ENGR EXPER STA EL&COMPUT (133-F296)	9,580.00
165.	MURPHY PRODUCTS COMPANY, INC. BURLINGTON, WI HAYLAGE ANALYSIS MSN AG&LSC MEAT & ANIMAL SC (133-F297)	756.00
166.	U.S. COMMITTEE FOR SCIENTIFIC COOPERATION WITH VIETNAM FULLERTON, CA PROGRAM FOR THE DEVELOPMENT OF A PREVENTIVE HEALTH SERVICE PROGRAM FOR VIETNAM MSN HS-MED PREVENTIVE MED (133-F298)	12,400.00
167.	TRAVENOL LABORATORIES, INC. DEERFIELD, IL MULTI-CENTER STUDY OF CONTINUOUS AMBULATORY PERITONEAL DIALYSIS (CAPD) FOR THE PERIOD 04-01-82 THRU 03-31-83 MSN HS-MED MEDICINE NEPHROLOGY (133-F299)	1,250.00
168.	INTERNATIONAL BUSINESS MACHINES CORPORATION WHITE PLAINS, NY PRODUCTION OF A VM/370 IMPLEMENTATION OF THE CSNET PROTOCOL ARCHITECTURE FOR THE PERIOD 06-01-82 THRU 10-31-83 MSN L&S COMPUTER SCI (133-F300)	365,000.00
169.	CIBA-GEIGY CORPORATION BUFFALO GROVE, IL VOLTAREN CONTROLLED RELEASE CAPSULES VS VOLTAREN TABLETS VS PLACEBO: A DOUBLE-BLIND COMPARATIVE STUDY IN PATIENTS WITH RHEUMATOID ARTHRITIS MSN HS-MED MEDICINE RHEUMATOL (133-F302)	8,238.00
170.	RADIATION MEASUREMENTS INCORPORATED MIDDLETON, WI STANDARDIZATION OF RADIATION THERAPY BEAM CALIBRATION AND VERIFICATION FOR THE PERIOD 08-01-82 THRU 07-31-83 MSN HS-MED HUMAN ONCOLOGY RAD THERAP (133-F308)	8,562.00
171.	WISC DEPT OF HEALTH AND SOCIAL SERVICES MADISON, WI MEDICAL STUDENT RESEARCH IN EPIDEMIOLOGIC STUDIES OF TOXIC SHOCK SYNDROME AWARD # P.O. # GAB 037747 MSN HS-MED ADMINISTRATION DEANS OFFC (133-F309)	821.30
172.	JOHNSON (ROBERT WOOD) FOUNDATION PRINCETON, NJ URBAN HEALTH NETWORK PROGRAM ADMINISTRATIVE GRANT FOR THE PERIOD 07-01-82 THRU 06-30-83 MSN HS-MED PREVENTIVE MED (133-F319)	49,628.00

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173.	MULTIPLE DONORS MARKET DEVELOPMENT MSN AG&LSC MEAT & ANIMAL SC	(133-F320)	600.00
174.	JOHNSON (ROBERT WOOD) FOUNDATION PRINCETON, NJ TEACHING NURSING HOME PROGRAM FOR THE PERIOD 07-01-82 THRU 06-30-84 MSN HS-NUR	(133-F322)	198,049.00
175.	AMERICAN DIABETES ASSOCIATION WISCONSIN AFFILIATE, INC. MILWAUKEE, WI SEGMENTAL PANCREATIC ALLOTRANSPLANTATION WITH CYCLOSPORIN A AND PALLADIUM-109 FOR THE PERIOD 05-01-82 THRU 04-30-83 MSN HS-MED SURGERY	(133-F323)	7,000.00
176.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH ASSISTANCE MSN L&S ECONOMICS	(133-F325)	1,000.00
177.	CETUS MADISON CORPORATION MADISON, WI BASIS FOR CROSS PROTECTION FOR THE PERIOD 05-31-82 THRU 06-01-83 MSN AG&LSC PLANT PATHOLOGY	(133-F326)	10,000.00
178.	GLEASON MEMORIAL FUND ROCHESTER, NY HYBRID POWER SYSTEM RESEARCH MSN ENGR ENGR EXPER STA EL&COMPUT	(133-F327)	20,000.00
179.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FUSION FEASIBILITY STUDIES MSN ENGR ENGR EXPER STA NUCL ENGR	(133-F328)	5,000.00
180.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UW-MADISON FACULTY AWARD MSN L&S ENGLISH	(133-F330)	5,000.00
181.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UW-MADISON FACULTY AWARD MSN L&S SCHOOL OF MUSIC	(133-F331)	5,000.00
182.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UW-MADISON FACULTY AWARD MSN EDUC ART	(133-F332)	5,000.00
183.	INSTITUT PASTEUR FOUNDATION PARIS, FRANCE PHYSIOLOGICAL ECOLOGY AND GENETICS OF ANAEROBIC BACTERIA TO IMPROVE THE YIELDS AND RATES OF ORGANIC WASTE(S) TRANSFORMATION INTO METHANE FOR THE PERIOD 08-15-82 THRU 08-15-84 MSN AG&LSC BACTERIOLOGY	(133-F340)	80,000.00

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184.	WISC DEPT OF NATURAL RESOURCES MADISON, WI INVESTIGATION OF WILDLIFE DISEASES MSN AG&LSC VETERINARY SCI	(133-F341)	1,170.00
185.	DIVERSEY WYANDOTTE CORPORATION WYANDOTTE, MI EFFECTIVE CLEANING AND SANITIZING OF FOULED REVERSE OSMOSIS AND ULTRAFILTRATION MEMBRANES MSN AG&LSC FOOD SCIENCE	(133-F342)	8,836.00
186.	AMERICAN CANCER SOCIETY, INC. NEW YORK, NY STRUCTURE, SYNTHESIS AND ASSEMBLY OF PICORNAVIRUSES FOR THE PERIOD 07-01-82 THRU 06-30-83 AWARD # MV-33L MSN GRAD BIOPHYSICS	(133-F343)	87,446.00
187.	AMERICAN CANCER SOCIETY, INC. NEW YORK, NY IMMUNOGLOBULIN GENE SPLICING IN VITRO FOR THE PERIOD 07-01-82 THRU 06-30-84 AWARD # NP-395 MSN AG&LSC GENETICS	(133-F344)	75,000.00
188.	AMERICAN CANCER SOCIETY, INC. NEW YORK, NY CELL SURVIVAL AND ONCOGENESIS AFTER IRRADIATION IN VITRO: THYROID EPITHELIUM FOR THE PERIOD 07-01-82 THRU 06-30-83 AWARD # PDT-86D MSN HS-MED HUMAN ONCOLOGY RAD BIOL	(133-F345)	90,000.00
189.	AMERICAN CANCER SOCIETY, INC. NEW YORK, NY CHARACTERIZATION OF HUMAN ANTILEUKEMIC LYMPHOCYTES FOR THE PERIOD 07-01-82 THRU 06-30-84 AWARD # CH-237 MSN HS-MED HUMAN ONCOLOGY	(133-F352)	81,460.00
190.	GENERAL MILLS FOUNDATION MINNEAPOLIS, MN MARKETING MEASUREMENT THEORY PROJECT MSN BUS SCH OF BUSINESS	(133-F353)	6,000.00
191.	MINNESOTA MINING AND MANUFACTURING COMPANY ST. PAUL, MN LUMINESCENT PROPERTIES OF INHOMOGENEOUSLY-DOPED CADMIUM SULFOSELENIDE ELECTRODES MSN L&S CHEMISTRY	(133-F356)	35,050.00
192.	MEDICAL COLLEGE OF WISCONSIN MILWAUKEE, WI EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 06-01-82 THRU 02-28-83 MSN BUS SCH OF BUSINESS	(133-F359)	8,640.95

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193.	OCEAN SPRAY CRANBERRIES, INC. PLYMOUTH, MA CRANBERRY RESEARCH MSN AG&LSC HORTICULTURE	(133-F360)	2,500.00
194.	MULTIPLE DONORS RESEARCH ON DAIRY PRODUCTS PROCESSING UTILIZING THE UW DAIRY PLANT MSN AG&LSC FOOD SCIENCE	(133-F361)	142.46
195.	FMC CORPORATION PRINCETON, NJ CORN-ALFALFA RESEARCH MSN AG&LSC ENTOMOLOGY	(133-F362)	1,000.00
196.	KRAUT FOUNDATION INCORPORATED GREEN LAKE, WI OUTDOOR ADVERTISING AND SCENIC BEAUTY IN WISCONSIN MSN AG&LSC NAT RESOURCES LAND ARCH	(133-F363)	1,500.00
197.	HAWKEYE CHEMICAL COMPANY CLINTON, IA EVALUATION OF VARIOUS PRODUCTS FOR IMPROVING NITROGEN EFFICIENCY MSN AG&LSC SOILS	(133-F365)	2,299.00
198.	MULTIPLE DONORS 'GILBERT' CULTIVAR (STRAWBERRY) RESEARCH MSN AG&LSC HORTICULTURE	(133-F366)	2,443.65
199.	CALIFORNIA-SAN DIEGO (UNIVERSITY OF) SAN DIEGO, CA PUBLICATION SUPPORT FOR "CHILE IN THE NITRATE ERA, 1880-1930" BY MICHAEL MONTEON MSN GRAD U W PRESS	(133-F368)	1,000.00
200.	MULTIPLE DONORS GENERAL FRUIT RESEARCH ACTIVITIES AT THE PENINSULAR STATION MSN AG&LSC UNIV EXPTL FARMS PENINSULAR	(133-F369)	500.00
201.	WISCONSIN DAIRIES COOPERATIVE BARABOO, WI INVESTIGATION OF FLAVOR DEVELOPMENT IN CHEESE MSN AG&LSC FOOD SCIENCE	(133-F371)	10,900.00
202.	CHILDS (JANE COFFIN) MEMORIAL FUND FOR CANCER RESEARCH NEW HAVEN, CT POSTDOCTORAL FELLOWSHIP FOR THE PERIOD 07-01-82 THRU 06-30-83 AWARD # PROJECT 61-566 MSN GRAD ENZYME INSTITUTE	(133-F373)	16,000.00

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203.	STATE HISTORICAL SOCIETY OF WISCONSIN MADISON, WI CONDUCT GEOMORPHIC ANALYSIS AND FLUVIAL GEOLOGY OF COX CREEK, VERNON COUNTY FOR THE PERIOD 06-01-82 THRU 08-31-82 AWARD # P.O. # HSB-1759 MSN L&S GEOGRAPHY	(133-F374)	6,000.00
204.	ETHICON, INC. SOMERVILLE, NJ BIO-MATERIALS FOR BLOOD INTERFACES MSN ENGR ENGR EXPER STA CHEM ENGR	(133-F375)	45,100.00
205.	MIDDLETON (CITY OF) MIDDLETON, WI SEEPAGE CHARACTERISTICS OF STRICKER AND ESSER PONDS MSN ENGR ENGR EXPER STA CIVIL&ENV	(133-F376)	5,200.00
206.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI 3M POLYMER RESEARCH MSN ENGR ENGR EXPER STA CHEM ENGR	(133-F377)	1,500.00
207.	PROCTER & GAMBLE COMPANY CINCINNATI, OH MOLECULAR GENETICS RESEARCH MSN HS-MED GENETICS	(133-F378)	25,000.00
208.	ORGANON, INC. WEST ORANGE, NJ MAGNACAL STUDY MSN HS-MED PEDIATRICS	(133-F379)	5,000.00
209.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 07-05-82 THRU 09-25-82 AWARD # 82-2 STRAUBHAAR MSN AG&LSC NAT RESOURCES	(133-F380)	1,608.00
210.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 06-01-82 THRU 08-06-82 AWARD # 82-2 STAUDENMAIER MSN AG&LSC NAT RESOURCES	(133-F381)	1,340.00
211.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 06-01-82 THRU 08-06-82 AWARD # 82-2 SCHWARZMANN MSN AG&LSC NAT RESOURCES	(133-F382)	1,340.00

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212.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 06-01-82 THRU 08-06-82 AWARD # 82-2 MIKKELSON MSN AG&LSC NAT RESOURCES	(133-F383)	1,340.00
213.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 05-24-82 THRU 08-13-82 AWARD # 82-2 HOFFMAN MSN AG&LSC NAT RESOURCES	(133-F384)	1,608.00
214.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 05-24-82 THRU 08-13-82 AWARD # 82-2 DOCHNAL MSN AG&LSC NAT RESOURCES	(133-F385)	1,608.00
215.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 06-02-82 THRU 08-09-82 AWARD # 82-2 HITTLE MSN AG&LSC NAT RESOURCES	(133-F386)	1,340.00
216.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 05-24-82 THRU 08-13-82 AWARD # 82-2 BENJAMIN MSN AG&LSC NAT RESOURCES	(133-F387)	1,608.00
217.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 05-24-82 THRU 08-13-82 AWARD # 82-2 SHATTUCK MSN AG&LSC NAT RESOURCES	(133-F388)	1,608.00
218.	OCONOMOWOC CANNING COMPANY OCONOMOWOC, WI EVALUATION OF QUALITY OF FRESH SLICED CELERY STORED IN BARRIER FILM PACKAGES MSN AG&LSC FOOD SCIENCE	(133-F390)	1,000.00
219.	WISC DEPT OF NATURAL RESOURCES MADISON, WI MAPPING OF THE STATE'S WETLANDS FOR THE PERIOD 07-01-82 THRU 06-30-83 MSN ENV ST ENV REMOT SENS'G	(133-F392)	24,200.00
220.	UNIVERSITY OF WISCONSIN FOUNDATION, MADISON, REPRESENTING A TRANSFER OF FUNDS FROM E.I. DU PONT DE NEMOURS & COMPANY DEPARTMENT OF CHEMISTRY GRANT-IN-AID MSN L&S CHEMISTRY	(133-0878)	28,000.00

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221.	MULTIPLE DONORS RAINBO LODGE FISH RESEARCH (INVESTIGATION OF HIGH LEVEL BASS TROUT COMPETITION IN DADEK LAKE) MSN L&S ZOOLOGY (133-2031)	75.00
222.	STUDY OF BASIC AND CLINICAL ASPECTS OF EXPERIMENTAL FLUORINE TOXICOSIS MSN AG&LSC BIOCHEMISTRY (133-3220)	
	4,000.00 ALCAN SMELTERS AND CHEMICALS, LTD. MONTREAL, QUEBEC, CANADA	
	4,000.00 STAUFFER CHEMICAL COMPANY MT. PLEASANT, TN	
	4,000.00 EASTALCO ALUMINUM COMPANY FREDERICK, MD	
	4,000.00 ANACONDA ALUMINUM COMPANY LOUISVILLE, KY	
	4,000.00 ANONYMOUS DONOR	
	4,000.00 MONSANTO COMPANY ST. LOUIS, MO	
	4,000.00 ALUMINUM COMPANY OF AMERICA PITTSBURGH, PA	
	4,000.00 INTALCO ALUMINUM CORPORATION FERNDAL, WA	
	4,000.00 SCHWEIZ ALUMINUM AG ZURICH, SWITZERLAND	
	4,000.00 REYNOLDS METALS COMPANY RICHMOND, VA	
	3,000.00 AMAX CHEMICAL CORPORATION GREENWICH, CT	
		43,000.00
223.	MULTIPLE DONORS MULTIPLE SCLEROSIS RESEARCH MSN HS-MED (133-4349)	39.21
224.	MULTIPLE DONORS UNRESTRICTED FUND TO BE USED AT THE DISCRETION OF THE CHAIRMAN OF THE DEPARTMENT OF GENETICS (MEDICAL) AS APPROVED BY THE DEAN OF THE MEDICAL SCHOOL MSN HS-MED GENETICS (133-4379)	1,324.98
225.	WEED CONTROL IN AGRONOMIC CROPS MSN AG&LSC AGRONOMY (133-5014)	
	2,500.00 ICI AMERICAS, INC. WILMINGTON, DE	
	1,250.00 MULTIPLE DONORS	
	4,000.00 AMERICAN HOECHST CORPORATION SOMERVILLE, NJ	
	2,500.00 ELI LILLY AND COMPANY INDIANAPOLIS, IN	
	3,000.00 CIBA-GEIGY CORPORATION GREENSBORO, NC	
	3,200.00 UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC. RESEARCH TRIANGLE PARK, NC	
	3,000.00 AMERICAN HOECHST CORPORATION SOMERVILLE, NJ	
	1,000.00 MOBAY CHEMICAL CORPORATION KANSAS CITY, MO	
		20,450.00

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226.	STUDY OF THE DEVELOPMENT OF IMPROVED SOIL AND WATER MANAGEMENT SYSTEMS FOR SLOPING LAND IN THE UPPER MISSISSIPPI VALLEY FOR THE PERIOD 07-01-82 THRU 06-30-83 MSN AG&LSC UNIV EXPTL FARMS	(133-5139)	
	3,000.00	MINNESOTA AGRICULTURAL EXPERIMENT STATION ST. PAUL, MN	
	6,000.00	IOWA AGRICULTURAL EXPERIMENT STATION AMES, IA	
			9,000.00
227.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPORT FOOD RESEARCH INSTITUTE MSN AG&LSC FOOD MICRO&TOXIC	(133-5328)	50,000.00
228.	MULTIPLE DONORS MEDICAL SCHOOL DEAN'S UNRESTRICTED FUND MSN HS-MED	(133-5671)	20.00
229.	WISCONSIN CARROT GROWERS ASSOCIATION RANDOLPH, WI TRUCK CROP RESEARCH IN DEPARTMENT OF ENTOMOLOGY MSN AG&LSC ENTOMOLOGY	(133-5915)	500.00
230.	WORLD HEALTH ORGANIZATION GENEVA, SWITZERLAND STUDIES ON VIRUSES IN FOODS MSN AG&LSC FOOD MICRO&TOXIC	(133-6183)	5,500.00
231.	WISCONSIN TURFGRASS ASSOCIATION NEW BERLIN, WI PLANT DISEASE CONTROL STUDIES MSN AG&LSC PLANT PATHOLOGY	(133-6696)	1,000.00
232.	NICHOLS INSTITUTE LOS ANGELES, CA SUPPORT OF RESEARCH IN DEPARTMENT OF PHARMACOLOGY MSN HS-MED PHARMACOLOGY	(133-6748)	2,000.00
233.	TRUCK CROP AND POTATO INSECTS AND THEIR CONTROL MSN AG&LSC ENTOMOLOGY	(133-6855)	
	2,000.00	CHEVRON CHEMICAL COMPANY CREVE COEUR, MO	
	4,500.00	SHELL DEVELOPMENT COMPANY ST. ANN, MO	
	1,000.00	AMERICAN HOECHST CORPORATION SOMERVILLE, NJ	
	1,500.00	ABBOTT LABORATORIES NORTH CHICAGO, IL	
	3,000.00	FMC CORPORATION PRINCETON, NJ	
	900.00	MULTIPLE DONORS	
	2,500.00	MOBAY CHEMICAL CORPORATION KANSAS CITY, MO	
			15,400.00

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234.	SUPPORT RESEARCH ON METHODS AND MATERIALS FOR WEED CONTROL IN FRUIT AND VEGETABLE CROPS MSN AG&LSC HORTICULTURE	(133-7179)	
	1,850.00	MULTIPLE DONORS	
	1,000.00	CIBA-GEIGY CORPORATION GREENSBORO, NC	
	2,500.00	ICI AMERICAS, INC. GOLDSBORO, NC	
	1,000.00	AMERICAN HOECHST CORPORATION SOMERVILLE, NJ	
			6,350.00
235.	MULTIPLE DONORS SUPPORT NEUROPSYCHOLOGY LABORATORY OF THE DEPARTMENT OF NEUROLOGY MSN HS-MED NEUROLOGY	(133-7446)	597.65
236.	HEMATOLOGY RESEARCH MSN HS-MED MEDICINE	HEMATOLOGY (133-7667)	
	900.00	LANCASTER COMMUNITY CHEST LANCASTER, WI	
	425.00	MULTIPLE DONORS IN MEMORY OF KENNETH L. HUCK	
			1,325.00
237.	WISC DEPT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION MADISON, WI INVESTIGATION OF THE EFFECT OF AGLIME ON SOILS & THE PRODUCTION OF CROPS MSN AG&LSC SOILS	(133-8123)	10,523.13
238.	GROWTH REGULATOR RESEARCH ON AGRONOMIC CROPS MSN AG&LSC AGRONOMY	(133-8218)	
	2,500.00	BARCLAYS INTERNATIONAL SOUTHAMPTON, ENGLAND	
	650.00	MULTIPLE DONORS	
	3,000.00	ROYSTER COMPANY NORFOLK, VA	
	3,000.00	MONSANTO COMPANY ST. LOUIS, MO	
	400.00	MULTIPLE DONORS	
	1,500.00	UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC. RESEARCH TRIANGLE PARK, NC	
			11,050.00
239.	USV PHARMACEUTICAL CORPORATION TARRYTOWN, NY STUDIES OF DIVALENT CATIONS IN ANTACID PHARMACOLOGY MSN HS-MED MEDICINE	GASTROENT (133-8285)	6,000.00

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240.	ROSEMOUNT, INC. EDEN PRAIRIE, MN RESEARCH PROJECT SUPPORT IN THE DEPARTMENT OF ELECTRICAL ENGINEERING MSN ENGR ENGR EXPER STA EL&COMPUT (133-8464)	5,100.00
241.	ICI AMERICAS, INC. WILMINGTON, DE HERBICIDE RESEARCH PROGRAM MSN AG&LSC AGRONOMY (133-9070)	1,500.00
242.	CONSOLIDATED PAPERS, INC. WISCONSIN RAPIDS, WI PAPER PROFILE CHARACTERIZATION MSN ENGR ENGR EXPER STA MECH ENGR (133-9080)	20,000.00
243.	ZOECON INDUSTRIES DALLAS, TX RESEARCH ON CHLORODIMEFORM MSN AG&LSC ENTOMOLOGY (133-9157)	3,000.00
244.	MULTIPLE DONORS UNRESTRICTED RESEARCH GRANT MSN HS-PHR PHARMACY (133-9927)	75.00
245.	WISCONSIN AGRONOMY CORN GENETICS RESEARCH FUND MSN AG&LSC AGRONOMY (133-9931)	
	552.66 MULTIPLE DONORS	
	1,000.00 ILLINOIS FOUNDATION SEEDS, INC. CHAMPAIGN, IL	
	201.05 MULTIPLE DONORS	
		1,753.71

STUDENT AID

1.	DR. E. ROBERT TAAKE NEENAH, WI DR. ROBERT E. BURNS MEDICAL STUDENT LOAN FUND (LOAN) MSN HS-MED (LOANS)	100.00
2.	FRERERICK O. LEIDEL MADISON, WI COLLEGE OF ENGINEERING STUDENT EMERGENCY LOAN FUND (LOAN) MSN ENGR (LOANS)	300.00
3.	ASHRAE, MADISON CHAPTER MADISON, WI DELMAR NELSON STUDENT LOAN FUND (LOAN) MSN ENGR MECHANICAL ENGR (LOANS)	80.00

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STUDENT AID

4.	CONTINENTAL BANK CHICAGO, IL HELEN DENNE SCHULTE LOAN FUND (TRUST INCOME) MSN HS-NUR	(TRUST)	7,524.66
5.	CONTINENTAL BANK CHICAGO, IL WALTER B. SCHULTE SCHOLARSHIP FUND (TRUST INCOME) MSN ENGR CHEMICAL ENGR	(TRUST)	7,524.66
6.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LELAND A. COON MUSICOLOGY FELLOWSHIP (TRUST INCOME) MSN L&S SCHOOL OF MUSIC	(TRUST)	1,754.80
7.	FIRST BANK & TRUST CO. BURLINGTON, WI MARIE Z. DWYER FUND-MSN (TRUST INCOME) MSN L&S	(TRUST)	341.48
8.	ANTONIO G. SOLALINDE SCHOLARSHIP (TRUST PRINCIPAL) MSN L&S SPANISH & PORT	(TRUST)	
	15.00 MULTIPLE DONORS 25.00 ALICE R. RILEY WHITEFISH BAY, WI		
			40.00
9.	UPON THE RECOMMENDATION OF THE DEAN OF THE SCHOOL OF BUSINESS AND THE DIRECTOR OF FINANCIAL AIDS THE TERMS OF THIS FUND BE MODIFIED TO PROVIDE ONE OR MORE SCHOLARSHIPS TO STUDENT(S) MAJORING IN BUSINESS AT THE JUNIOR, SENIOR OR GRADUATE LEVEL AUTOMOTIVE INDUSTRY OF WISCONSIN SCHOLARSHIP FUND (TRUST PRINCIPAL) MSN BUS SCH OF BUSINESS	(TRUST)	
10.	JOHN MAGISTAD SARATOGA, CA OSCAR MAGISTAD SCHOLARSHIP FUND (TRUST PRINCIPAL) MSN AG&LSC ADM-RESID INSTR	(TRUST)	3,000.00
11.	TARAKNATH DAS FOUNDATION NEW YORK, NY TARAKNATH DAS FOUNDATION ON PRIZE IN MEMORY OF BASANTA KUMAR ROY (TRUST PRINCIPAL) MSN L&S SO ASIAN STUDIES	(TRUST)	100.00
12.	AT THE REQUEST OF THE CLASS OF 1945 THE TERMS OF THIS ACCOUNT BE CHANGED TO ALLOW MORE THAN ONE AWARD TO BE MADE ANNUALLY DR. RALPH M. WATERS SCHOLARSHIP FUND (TRUST PRINCIPAL) MSN HS-MED	(TRUST)	

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STUDENT AID

- | | | | |
|-----|---|------------|-----------|
| 13. | R. ROTTER, M.D.
MADISON, WI
CLASS OF 1947 MEDICAL SCHOOL FUND
(TRUST PRINCIPAL)
MSN HS-MED | (TRUST) | 200.00 |
| 14. | EDWARD W. & VIRGINIA MILL MEMORIAL ENDOWMENT
(TRUST PRINCIPAL)
MSN L&S POLITICAL SCI | (TRUST) | |
| | 2,919.00 SMITH BARNEY HARRIS UPHAM PROCEEDS FROM THE
SALE OF SECURITIES RECEIVED IN THE DISTRIBUTION
OF THE BEQUEST (R.A. 03-07-80) | | |
| | 26,683.66 ESTATE OF VIRGINIA D. MILL
LOS ANGELES, CA
PARTIAL DISTRIBUTION OF ESTATE | | |
| | | | 29,602.66 |
| 15. | CENTRAL BANK OF AKRON, OHIO --REPRESENTING
FINAL DISTRIBUTION OF BEQUEST OF
ROBERT S. FERGUSON
ELEANOR NEGLEY FERGUSON MEMORIAL FUND
(TRUST PRINCIPAL)
MSN L&S | (TRUST) | 14,529.46 |
| 16. | GEORGE J. LAIKIN - MILWAUKEE, WI
TO ESTABLISH THIS FUND WITH THE INCOME UTILIZED
BY THE DEPARTMENT OF HEBREW & SEMITIC STUDIES
FOR AN ANNUAL PRIZE FOR A STUDENT PER CONDITIONS
ESTABLISHED BY THE DONOR.
GEORGE & SYLVIA LAIKIN PRIZE (TRUST PRINCIPAL)
MSN L&S HEBREW & SEM STU | (TRUST) | 2,000.00 |
| 17. | EDUCATION, DEPT OF
WASHINGTON, DC
INDIAN EDUCATION FELLOWSHIP PROGRAM
FOR THE PERIOD 09-01-82 THROUGH 08-31-83
AWARD # GOO8200146
MSN GRAD | (144-S193) | 21,146.00 |
| 18. | WISCONSIN ALUMNI RESEARCH FOUNDATION
MADISON, WI
WILLIAM J. HAGENAH SCHOLARSHIP IN LAW SCHOOL
MSN LAW LAW SCHOOL | (135-0012) | 400.00 |
| 19. | WISCONSIN ALUMNI RESEARCH FOUNDATION
MADISON, WI
CLIFFORD G. MATHYS MEMORIAL APPELLATE ADVOCACY
AWARD
MSN LAW LAW SCHOOL | (135-0031) | 100.00 |
| 20. | UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
JANE H. BUTT SCHOLARSHIP IN THE DEPARTMENT OF
THEATRE AND DRAMA
MSN L&S THEATRE & DRAMA | (133-A556) | 760.00 |

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STUDENT AID

21.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI WILLIAM J. HAGENAH MEDICAL SCHOOL SCHOLARSHIP MSN G SERV FELLOWS & SCHOLS (133-A562)	2,268.00
22.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GEORGE KOEPEL MEMORIAL SCHOLARSHIP FUND MSN EDUC GENERAL ADMIN DEANS OFF (133-A738)	9,000.00
23.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RONALD W. ZINNS MEMORIAL SCHOLARSHIP FUND MSN EDUC GENERAL ADMIN DEANS OFF (133-A739)	5,650.00
24.	DAUGHTERS OF DEMETER, INC. MADISON, WI DAUGHTERS OF DEMETER SCHOLARSHIP MSN AG&LSC ADM-RESID INSTR (133-A790)	1,400.00
25.	ALCOA FOUNDATION PITTSBURGH, PA CHEMICAL ENGINEERING SCHOLARSHIPS MSN ENGR CHEMICAL ENGR (133-A973)	1,000.00
26.	ST. REGIS PAPER COMPANY NEW YORK, NY SCHOLARSHIPS IN MECHANICAL AND CHEMICAL ENGINEERING MSN ENGR (133-B285)	2,000.00
27.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI HELEN K. HERMAN SCHOLARSHIP MSN L&S COMMUN ARTS (133-B887)	100.00
28.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHARLES CHESTER PEARCE SCHOLARSHIP MSN L&S COMMUN ARTS (133-C002)	250.00
29.	CARGILL PROCESSING GROUP MINNETONKA, MN UNDERGRADUATE SCHOLARSHIPS IN MECHANICAL ENGINEERING MSN ENGR MECHANICAL ENGR (133-C749)	1,250.00
30.	CARGILL PROCESSING GROUP MINNETONKA, MN UNDERGRADUATE SCHOLARSHIPS IN CHEMICAL ENGINEERING MSN ENGR CHEMICAL ENGR (133-C750)	1,250.00
31.	ALCOA FOUNDATION PITTSBURGH, PA ALCOA FOUNDATION SCHOLARSHIP MSN BUS SCH OF BUSINESS (133-D641)	1,000.00

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STUDENT AID

32.	UNIVERSITY OF WISCONSIN FOUNDATION, MADISON, REPRESENTING A TRANSFER OF FUNDS FROM SHELL COMPANIES FOUNDATION, INC. UNDERGRADUATE STUDENT AID IN MINING ENGINEERING MSN ENGR MET & MIN ENGR (133-D669)	500.00
33.	NATIONAL GEORGE B. BOLAND NURSES SCHOLARSHIP TRUST COMMITTEE INDIANAPOLIS, IN NATIONAL GEORGE B. BOLAND NURSES SCHOLARSHIP MSN HS-NUR (133-E520)	500.00
34.	MARQUIP, INC PHILLIPS, WI SCHOLARSHIPS IN ELECTRICAL AND COMPUTER ENGINEERING AND MECHANICAL ENGINEERING MSN ENGR (133-E654)	1,000.00
35.	GJERMUNDSON (G. WILLYS) FAMILY AND FRIENDS MADISON, WI G. WILLYS GJERMUNDSON MEMORIAL SCHOLARSHIP MSN AG&LSC ADM-RESID INSTR (133-F150)	10.00
36.	EXXON EDUCATION FOUNDATION NEW YORK, NY EXXON TEACHING FELLOWSHIP IN CHEMICAL ENGINEERING MSN ENGR ENGR EXPER STA CHEM ENGR (133-F214)	12,000.00
37.	EXXON EDUCATION FOUNDATION NEW YORK, NY EXXON TEACHING FELLOWSHIP IN MECHANICAL ENGINEERING MSN ENGR ENGR EXPER STA MECH ENGR (133-F215)	12,000.00
38.	EXXON EDUCATION FOUNDATION NEW YORK, NY EXXON TEACHING FELLOWSHIP IN METALLURGICAL AND MINERAL ENGINEERING MSN ENGR ENGR EXPER STA MET & MIN (133-F216)	12,000.00
39.	XEROX PALO ALTO, CA GRADUATE FELLOWSHIP AWARD MSN L&S COMPUTER SCI (133-F293)	8,600.00
40.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI IRMA L. NEWMAN SCHOLARSHIP MSN L&S MATHEMATICS (133-F304)	250.00
41.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MARK INGRAHAM SCHOLARSHIP MSN L&S MATHEMATICS (133-F305)	1,000.00

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42.	EXXON EDUCATION FOUNDATION NEW YORK, NY EXXON TEACHING FELLOWSHIP IN GEOLOGY AND GEOPHYSICS MSN L&S GEOL & GEOPHYSCS (133-F317)	12,000.00
43.	ROSSBACH (JACOB) SCHOLARSHIP FUND MENOMONEE FALLS, WI UNDERGRADUATE SCHOLARSHIP MSN HS-PHR PHARMACY (133-F367)	355.57
44.	MULTIPLE DONORS SCHOOL OF PHARMACY UNDERGRADUATE SCHOLARSHIP FUND MSN HS-PHR PHARMACY (133-1078)	50.00
45.	WEST SIDE GARDEN CLUB MADISON, WI LONGNECKER SCHOLARSHIP IN THE FIELD OF LANDSCAPE ARCHITECTURE MSN AG&LSC ADM-RESID INSTR (133-2076)	150.00
46.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ALTA T. AND DANIEL B. STRALEY SCHOLARSHIP FOR ASSISTING STUDENTS INTERESTED IN BECOMING TEACHERS MSN EDUC GENERAL ADMIN DEANS OFF (133-3563)	2,375.00
47.	AMERICAN SOCIETY OF REAL ESTATE COUNSELORS CHICAGO, IL STUDENT AID PROGRAM IN THE SCHOOL OF BUSINESS MSN BUS SCH OF BUSINESS (133-4673)	2,000.00
48.	GRANT (HARRY J.) FOUNDATION MILWAUKEE, WI SCHOOL OF JOURNALISM AND MASS COMMUNICATION SCHOLARSHIP AID MSN L&S JOURN & MASS COM (133-4740)	8,400.00
49.	GROWMARK, INC. BLOOMINGTON, IL UNDERGRADUATE SCHOLARSHIPS IN AGRICULTURE MSN AG&LSC ADM-RESID INSTR (133-5208)	1,000.00
50.	PHI DELTA EPSILON GRADUATE CLUB MILWAUKEE, WI ANNUAL BARDEEN AWARD FOR OUTSTANDING WORK IN ANATOMY MSN HS-MED ANATOMY (133-5444)	100.00
51.	SUPREME COUNCIL 33 DEGREE ANCIENT ACCEPTED SCOTTISH RITE BOSTON, MA LEON M. ABBOTT SCHOLARSHIP IN THE SCHOOL OF JOURNALISM MSN L&S JOURN & MASS COM (133-5453)	1,500.00

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52.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LAW SCHOOL DRVIS SCHOLARSHIP FUND MSN LAW LAW SCHOOL	(133-5774)	2,181.37
53.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ALFRED RESCHKE SOCIAL SCIENCE SCHOLARSHIP FUND MSN G SERV FELLOWS & SCHOLS	(133-5887)	3,000.00
54.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EVANS P. HELFAER UNDERGRADUATE SCHOLARSHIP IN CHEMISTRY MSN L&S CHEMISTRY	(133-5989)	2,000.00
55.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MAX M. SHAPIRO SCHOLARSHIP FOR LAW STUDENTS SELECTED BY FOUR MEMBERS OF THE LAW SCHOOL FACULTY ON THE BASIS OF NEED MSN LAW LAW SCHOOL	(133-6826)	2,011.04
56.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHRISTIAN JOHN OTJEN SCHOLARSHIP MSN LAW LAW SCHOOL	(133-7354)	1,544.16
57.	BRANN (ETHEL M) FOUNDATION, INC GREEN BAY, WI SCHOLARSHIP FOR GRADUATE STUDY IN THE AREA OF PUBLIC LIBRARIANSHIP MSN L&S LIBRARY SCHOOL	(133-7541)	750.00
58.	BANKERS LIFE COMPANY CHARITABLE CONTRIBUTIONS TRUST DES MOINES, IA UNDERGRADUATE ACTUARIAL SCHOLARSHIP FUND-HIGH SCHOOL SCHOLARSHIP PROGRAM MSN BUS SCH OF BUSINESS	(133-8377)	1,200.00
59.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI A. GERTRUDE ANTHONY SCHOLARSHIP IN THE SCHOOL OF EDUCATION MSN EDUC GENERAL ADMIN DEANS OFF	(133-8700)	5,600.00
60.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ANNE L. MARCH SCHOLARSHIP IN THE SCHOOL OF EDUCATION MSN EDUC GENERAL ADMIN DEANS OFF	(133-8701)	1,988.00

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UNIVERSITY OF WISCONSIN - MADISON

UNRESTRICTED

1. PAT LOING		
NATIONAL BLANK BOOK COMPANY		
HOLYOKE, MASS		
MADISON CAMPUS CHANCELLORS SPECIAL FUND		
(TRUST PRINCIPAL)		
MSN G E A	(TRUST)	383.93

TOTAL MADISON		18,368,612.14
		=====

INSTRUCTION	2,257,223.00
LIBRARIES	293,713.50
MISCELLANEOUS	432,664.90
PHYSICAL PLANT	58,340.00
RESEARCH	15,115,549.95
STUDENT AID	210,736.86
UNRESTRICTED	383.93

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - MILWAUKEE

INSTRUCTION

1. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
BETHESDA, MD
SOCIAL WORK FOR NATIVE AMERICANS
FOR THE PERIOD 07-01-82 THROUGH 06-30-83
AWARD # 5TO3MH15666-05
MIL S WELF SOCIAL WELFARE (144-S204) 90,683.00
2. FAYE MCBEATH
MILWAUKEE, WI
NURSING CENTER: WELLNESS FOR THE INDIVIDUAL,
FAMILY AND COMMUNITY
MIL NURS NURSING (133-D717) 25,000.00
3. THE GENERAL ELECTRIC FOUNDATION
FAIRFIELD, CONN 06431
EDUCATORS IN INDUSTRY: A COLLABORATIVE EFFORT
IN CAREER EDUCATION
MIL EDUC EDUC PSYCHOLOGY UNCL & GEN (133-E612) 4,400.00
4. INROADS
MILWAUKEE, WISCONSIN
INROADS PRE-COLLEGIATE PROGRAMS IN BUSINESS AND EN
GINEERING
MIL URBN O ADMINISTRATION ADMIN (133-E615) 30,485.00

MISCELLANEOUS

1. VARIOUS GOVERNMENTAL AGENCIES
MILWAUKEE, WI
MILWAUKEE HUMANITIES PROGRAM PUBLICATION RECEIPTS
MIL L&S HUMANITIES HUMANIT (144-P108) 260.22
2. MIDFIELDERS CLUB
UWM FOUNDATION
MILWAUKEE, WI
MEN'S SOCCER GENERAL SUPPORT
MIL STU AF ATHLETICS ATH-M SOCC (133-C677) 7.15

RESEARCH

1. MILWAUKEE PUBLIC SCHOOLS
MILWAUKEE, WI
PRIME CONTRACTOR WITH DED
AN EXAMINATION OF THE STATUS OF MINORITY STUDENTS
ENROLLED IN PUBLIC SCHOOL EXCEPTIONAL EDUCATION
PROGRAMS IN WISCONSIN URBAN SHCOOL DISTRICTS
FOR THE PERIOD 09-01-81 THROUGH 06-30-82
AWARD # (DPI/PI-1136) 1775-82
MIL GRAD URBAN RESRCH CTR (144-S058) 23,028.00
2. DOD, AIR FORCE
BOLLING AFB, D.C.
LATTICE STATISTICS
FOR THE PERIOD 06-30-81 THROUGH 06-29-83
AWARD # AFOSR-81-0192A
MIL L&S PHYSICS (144-Q971) 41,116.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

3. STATE HISTORICAL SOCIETY OF WISCONSIN
MADISON, WISCONSIN
PRIME CONTRACTOR WITH INTER
AN ARCHAEOLOGICAL RESOURCE MANAGEMENT PROGRAM:
THE SOUTHEASTERN WISCONSIN GLACIATED REGION
FOR THE PERIOD 05-15-82 THROUGH 06-01-83
AWARD # HSB-1797
MIL L&S ANTHROPOLOGY (144-S078) 20,073.00
4. INTERIOR, DEPT. OF
PITTSBURGH, PA
EVALUATION OF GEOPHYSICAL SURFACE METHODS FOR
MEASURING HYDROLOGICAL VARIABLES IN FRACTURED
ROCK UNITS
FOR THE PERIOD 07-10-81 THROUGH 10-09-82
AWARD # HO318044
MIL L&S GEOLOGICAL SCI'S (144-R097) 8,586.00
5. NATIONAL SCIENCE FOUNDATION
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
 - 1) TRANSIENT FOULING HEAT TRANSFER AND SCALE REMOVAL
IN GEOTHERMAL ENERGY
FOR THE PERIOD 07-01-80 THROUGH 12-31-83
AWARD # MEA-8004360
MIL ENG&AS MECHANICAL ENGR (144-P744) 56,847.00
 - 2) CONVECTION OVER THE INDIAN OCEAN AND THE
MONSOON CIRCULATION DURING SUMMER MONEX
FOR THE PERIOD 08-01-80 THROUGH 01-31-84
AWARD # ATM7920850
MIL L&S GEOLOGICAL SCI'S ATM SC-GEN (144-Q051) 42,853.00
 - 3) ALGAL GROWTH UNDER MULTIPLE TOXICANT LIMITING
CONDITIONS
FOR THE PERIOD 08-01-81 THROUGH 01-31-84
AWARD # CEE-8103650
MIL ENG&AS CIVIL ENGINEER'G (144-R380) 77,269.00
 - 4) THE EFFECT OF TWISTED-TAPE SWIRL GENERATORS ON
SATURATED BOILING HEAT TRANSFER
FOR THE PERIOD 06-15-82 THROUGH 11-30-83
AWARD # MEA-8117226
MIL ENG&AS MECHANICAL ENGR (144-S137) 30,000.00
6. MILWAUKEE PUBLIC MUSEUM
MILWAUKEE, WI
PRIME CONTRACTOR WITH NSF
RESEARCH ASSISTANT SUPPORT FOR UPPER ORDOVICIAN
STRATIGRAPHY AND BRACHIOPODS FAUNAS IN THE
EASTERN GREAT BASIN
FOR THE PERIOD 06-01-80 THROUGH 05-31-83
AWARD # EAR-7901013
MIL L&S GEOLOGICAL SCI'S GEOL SCI'S (144-P993) 8,124.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

7.	COMMONWEALTH EDISON CO. CHICAGO, ILL ARCHAEOLOGICAL INVESTIGATION AT SITE OG-230, OREGON, ILLINOIS AWARD # P.O. 265647 MIL L&S ANTHROPOLOGY	(133-B792)	1,859.00
8.	SEA FARM A/S BERGEN, NORWAY AN INVESTIGATION OF THE BIOLOGICAL AND ECONOMICAL FEASIBILITY OF LAKE STURGEON CAGE CULTURE MIL GRAD GT LKS ST, CTR F GT LKS STU	(133-D755)	14,218.00
9.	WISCONSIN ELECTRIC POWER COMPANY MILWAUKEE, WISCONSIN DEVELOPMENT OF TECHNIQUES FOR ARTIFICIAL PROPAGA- TION OF COMMERCIALY IMPORTANT FISH SPECIES IN WARM WATER DISCHARGES MIL GRAD GT LKS ST, CTR F GT LKS STU	(133-E611)	12,837.00
10.	WISCONSIN GAS CO. MILWAUKEE, WI CREDIT AND COLLECTIONS SYSTEM DESIGN MIL BUS AD MGMNT RESRCH CTR	(133-E613)	30,050.00
11.	UWM FOUNDATION (THOMAS E. VINSON) MILWAUKEE, WISCONSIN DISCRETIONARY RESEARCH MIL L&S GEOLOGICAL SCI'S	(133-E614)	1,000.00
12.	HOLT FAMILY CHARITABLE TRUST OF FLORIDA PALM BEACH, FLORIDA GIFT TO SUPPORT THE RESEARCH OF J. W. HARRIS FOR THE PERIOD 06/04/82 THROUGH 06/03/83 MIL L&S ANTHROPOLOGY	(133-E616)	7,368.00
	TOTAL MILWAUKEE		526,063.37 =====
	INSTRUCTION	150,568.00	
	MISCELLANEOUS	267.37	
	RESEARCH	375,228.00	

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - EAU CLAIRE

EXTENSION AND PUBLIC SERVICE

1. WI DEPT OF PUBLIC INSTRUCTION
MADISON, WI
PRIME CONTRACTOR WITH AGRIC
FOOD PROGRAM FOR YOUTH
FOR THE PERIOD 06-14-82 THROUGH 07-16-82
AWARD # 75-9464
EAU AUX DP OTHER ORG ACTIV (144-2070) 29,035.00
2. NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
SHAWNEE-MISSION, KS
PRIME CONTRACTOR WITH DHHS
RECREATIONAL AND EDUCATIONAL PROGRAM FOR
DISADVANTAGED YOUTH
FOR THE PERIOD 06-14-82 THROUGH 07-16-82
EAU AUX DP OTHER ORG ACTIV (144-2072) 38,500.00
3. HOBBS FOUNDATION
EAU CLAIRE, WI
PURCHASE OF USED TELESCOPE TO BE HOUSED IN
EAU CLAIRE COUNTY YOUTH CAMP
EAU ART&SC PHYS & ASTRONOMY (133-2040) 13,275.00
4. RIPLEY ENGINEERING SERVICES, INC
SPOONER, WI
PROPOSED ARCHEOLOGICAL SURVEY - WASHBURN SURVEY
FOR THE PERIOD 05-24-82 THROUGH 05-28-82
EAU ART&SC SOCIOLOGY (133-2059) 1,066.00
5. MUSIC PERFORMANCE TRUST FUNDS
NEW YORK, NY
BROWN BAG CONCERT FOR THE PERIOD 05-01-82
THROUGH 04-30-83
EAU ART&SC MUSIC (133-2075) 2,500.00
6. IMMANUEL LUTHERAN COLLEGE
EAU CLAIRE, WI
CURRICULUM REVIEW AND EVALUATION FOR CREDIT
TRANSFER FROM IMMANUEL LUTHERAN COLLEGE
EAU G AC A REG&COORD ST A S (133-2076) 600.00

GIFT-IN-KIND

1. UW-EAU CLAIRE FOUNDATION
EAU CLAIRE, WI
HISTORICAL MUSIC & PICTURE COLLECTION (DONATED
BY MR. & MRS. KEN CLARK)
EAU

INSTRUCTION

1. EDUCATION, DEPT OF
WASHINGTON, DC
SPECIALIZED PRESCHOOL EMPHASIS FOR
SPEECH-LANGUAGE PATHOLOGISTS
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
EAU ART&SC COMMUN DISORDERS (144-2027) 19,662.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - EAU CLAIRE

INSTRUCTION

2.	DHHS, PHS, HEALTH RESOURCES ADMIN HYATTSVILLE, MD ADVANCED NURSES TRAINING FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # 5 D23 NU00198-02 EAU NURSG NURSING	(144-2052)	109,360.00
3.	MINNESOTA MINING & MFG., INC. ST. PAUL, MN DISCRETIONARY GIFT FOR DEANS USE EAU BUS DEAN-SCH OF BUS	(133-2067)	2,000.00
4.	WISCONSIN IMPROVEMENT PROGRAM MADISON, WI FOR PARTICIPANTS IN WEST CENTRAL WISCONSIN WRITING PROJECT, 1982 EAU ART&SC ENGLISH	(133-2071)	2,400.00
5.	GENERAL MILLS FOUNDATION MINNEAPOLIS, MN DISCRETIONARY GIFT FOR DEANS USE EAU BUS DEAN-SCH OF BUS	(133-2074)	2,000.00
6.	WISCONSIN STATE COUNCIL ON ECONOMIC EDUCATION, INC MADISON, WI OPERATIONAL SUPPORT FOR THE CENTER FOR ECONOMIC EDUCATION FOR A PERIOD BEGINNING 12-18-81 AWARD # CK DTD 12-18-81 EAU ART&SC ECONOMICS	(133-2078)	1,000.00

MISCELLANEOUS

1.	THE GREAT AMERICAN CHORAL FESTIVAL, INC NORTHRIDGE, CA THE GREAT AMERICAN CHORAL FESTIVAL (2) FOR A PERIOD BEGINNING 05-03-82 EAU ART&SC MUSIC	(133-2066)	1,000.00
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STUDENT AID

1.	WISCONSIN RURAL REHABILITATION MADISON, WI TEN SCHOLARSHIPS FOR THE PERIOD 01-01-82 THROUGH 05-21-82 EAU NURSG DEAN OF NURSING	(133-2079)	3,290.00
2.	WISCONSIN RURAL REHABILITATION MADISON, WI FIVE SCHOLARSHIPS FOR THE PERIOD 01-01-82 THROUGH 05-21-82 EAU ART&SC ALLIED HEALTH	(133-2080)	1,500.00

TOTAL EAU CLAIRE

227,188.00

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EXTENSION AND PUBLIC SERVICE	84,976.00
INSTRUCTION	136,422.00
MISCELLANEOUS	1,000.00
STUDENT AID	4,790.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - GREEN BAY

INSTRUCTION

1.	ASSOCIATION OF AMERICAN COLLEGES WASHINGTON, DC CERTIFICATE FOR LIBERAL ARTS AND PROFESSIONAL STUDENTS AWARD # 22-Q-148A GBY AC PRG ADMINISTRATION	(133-F301)	5,000.00
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MISCELLANEOUS

1.	MULTIPLE DONORS SPECIAL EVALUATION PROJECTS GB O ED D ADMINISTRATION	(133-A512)	148.00
2.	SCHOOL SERVICES BUREAU GBY COM PR SCH SVCS BUREAU	(133-C550)	
	1,683.62 STEVENS POINT PUBLIC SCHOOLS STEVENS POINT, WI		
	1,040.00 ASHWAUBENON SCHOOLS GREEN BAY, WI		
			2,723.62

PHYSICAL PLANT

1.	UNIVERSITY OF WISCONSIN FOUNDATION, MADISON, REPRESENTING A TRANSFER FROM THE C. A. LAWTON COMPANY, DE PERE, WI REMODELING THE EXHIBITION GALLERIES IN THE CREATIVE COMMUNICATION BUILDING GB FSC&AD BUS & FINANCE ADMIN	(133-F115)	29.18
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RESEARCH

1.	SRI INTERNATIONAL MENLO PARK, CA PRIME CONTRACTOR WITH DOE SHORELINE ENVIRONMENT ATMOSPHERIC DISPERSION EXPERIMENT FOR THE PERIOD 05-25-82 THROUGH 06-20-82 AWARD # C-10685 GBY ENV SC SCI & ENVIR CHG	(144-S079)	1,500.00
2.	BROWN COUNTY SOLID WASTE MANAGEMENT BOARD GREEN BAY, WI OPERATIONAL WATER QUALITY MONITORING AT BROWN COUNTY'S SANITARY LANDFILLS GBY ENV SC SCI & ENVIR CHG	(133-B833)	2,760.00
3.	GREEN BAY METROPOLITAN SEWERAGE DISTRICT GREEN BAY, WI MONITOR NITROGEN AND PHOSPHORUS LEVELS IN FOX RIVER/GREEN BAY WATERS GBY ENV SC SCI & ENVIR CHG	(133-F284)	2,300.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - GREEN BAY

RESEARCH

4. STURGEON BAY UTILITIES		
STURGEON BAY, WI		
LAND APPLICATION OF STURGEON BAY DIGESTED		
SLUDGE: VEGETATION AND SOILS ANALYSIS		
GBY ENV SC SCI & ENVIR CHG	(133-F355)	6,150.00

STUDENT AID

1. MULTIPLE DONORS		
SOURCE OF FINANCIAL AID PAYMENTS TO STUDENT		
ATHLETES AT THE UNIVERSITY OF WISCONSIN-GREEN BAY		
WITHIN THE GUIDELINES PRESCRIBED BY THE NATIONAL		
COLLEGIATE ATHLETIC ASSOCIATION		
GB I R & A ATHLETICS - MEN	(133-7213)	1,395.00

TOTAL GREEN BAY		22,005.80
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INSTRUCTION	5,000.00
MISCELLANEOUS	2,871.62
PHYSICAL PLANT	29.18
RESEARCH	12,710.00
STUDENT AID	1,395.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - OSHKOSH

EXTENSION AND PUBLIC SERVICE

1. VITERBO COLLEGE
LA CROSSE, WI
WORKSHOP ENTITLED THE MICROCOMPUTER AS AN
INSTRUCTIONAL TOOL IN THE CLASSROOM FOR THE
PERIOD 05-24-82 THROUGH 05-28-82
OSH EXT&PS CONTINUING EDUC NON-DGRE A (133-3397) 2,125.00

INSTRUCTION

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

1) HANDICAPPED PERSONNEL PREPARATION PROGRAM -
HANDICAPPED TEACHER EDUCATION
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
AWARD # GO08101936
OSH EDUC INSTRUCTION (144-4480) 20,774.00

2) MASTERS AND PHD FELLOWSHIPS IN LIBRARY WORK
FOR THE PERIOD 07-01-82 THROUGH 12-31-83
AWARD # GO08200102
OSH L&S LIBRARY SCIENCE (144-4481) 16,000.00

MISCELLANEOUS

1. CLASS OF 1982
OSHKOSH, WI
1982 CLASS GIFT - TO HOMECOMING COMMITTEE
OSH SP&SVS STU ACTIVITIES (133-3390) 100.00

2. CLASS OF 1982
OSHKOSH, WI
1982 CLASS GIFT - CAMPUS BEAUTIFICATION PROJECT
OSH PHYS F EX DIR-PHYS FAC (133-3391) 600.00

3. CLASS OF 1982
OSHKOSH, WI
1982 CLASS GIFT - CPR PROGRAM
OSH PHYS F SECURITY & PROT SEC & PROT (133-3392) 400.00

4. CLASS OF 1982
OSHKOSH, WI
CLASS GIFT - GRADUATE STUDENT SCHOLARSHIP
OSH CHANC CHANCELLORS OFF CHANC OFF (133-3393) 300.00

5. CLASS OF 1982
OSHKOSH, WI
CLASS GIFT - UNDERGRADUATE RESEARCH PROJECTS
OSH CHANC CHANCELLORS OFF CHANC OFF (133-3394) 300.00

6. CLASS OF 1982
OSHKOSH, WI
CLASS GIFT - HELEN JOHNSON MEMORIAL
OSH CHANC CHANCELLORS OFF CHANC OFF (133-3395) 150.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - OSHKOSH

RESEARCH

1. NATIONAL SCIENCE FOUNDATION WASHINGTON, DC ACQUISITION OF RESEARCH MICROSCOPE AND ACCESSORIES FOR GEOLOGICAL RESEARCH FOR THE PERIOD 05-15-82 THROUGH 04-30-83 AWARD # PRM-8119785 OSH L&S GEOLOGY	(144-4482)	23,471.00
2. UW OSHKOSH - FOUNDATION OSHKOSH, WI WINNEBAGO POOL LAKES STUDY, 1982 FOR THE PERIOD 06-03-82 THROUGH 03-01-83 OSH L&S BIOLOGY	(133-3396)	500.00
TOTAL OSHKOSH		64,720.00 =====
EXTENSION AND PUBLIC SERVICE	2,125.00	
INSTRUCTION	36,774.00	
MISCELLANEOUS	1,850.00	
RESEARCH	23,971.00	

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - PARKSIDE

STUDENT AID

1. MULTIPLE DONORS		
JAMES E. MCKEOWN MEMORIAL SCHOLARSHIP FUND		
PKS SC&SOC BEHAVIORAL SCI ADMIN (133-F148)	510.00	
TOTAL PARKSIDE	510.00	=====
STUDENT AID	510.00	

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - STEVENS POINT

INSTRUCTION

1. INTERIOR, DEPT OF
WASHINGTON, DC
RESIDENT TRAINING AND COUNSELING PROGRAM PROJECT
FOR THE PERIOD 01-01-82 THROUGH 12-31-82
AWARD # K51014201158
STP COPS SCH OF EDUCATION EDUCATION (144-6316) 367,645.00
2. WILLIAM H. PUGH, INC.
RACINE, WI
TELEMETRY EQUIPMENT FOR STUDY OF BIRDS AND
NON-GAME ANIMALS FOR A PERIOD BEGINNING
04-01-82
STP CONR NATURAL RESOURCS NAT RESRCS (133-8453) 2,700.00

RESEARCH

1. UNIVERSITY OF KANSAS, CTR FOR RESEARCH INC.
LAWRENCE, KANSAS
PRIME CONTRACTOR WITH DOD AF
THE HUMAN ELEMENT IN TACTICAL AIR WEAPONS (ROME
AIR DEVELOPMENT CENTER) - RADDC POST DOCTORAL
PROGRAM
FOR THE PERIOD 02-15-82 THROUGH 09-30-82
AWARD # 8214
STP COLS ECON & BUS ADM (144-6203) 9,200.00
2. PRIVATE DONATIONS
ONGOING POPULATION DYNAMICS STUDY OF HARRIERS FOR
THE PERIOD 12-01-81 THROUGH 12-31-82
STP CONR NATURAL RESOURCS NAT RESRCS (133-8473) 1,710.00

TOTAL STEVENS POINT 381,255.00
=====

INSTRUCTION 370,345.00
RESEARCH 10,910.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - STOUT

EXTENSION AND PUBLIC SERVICE

1. WI DEPT OF PUBLIC INSTRUCTION
MADISON, WI
PRIME CONTRACTOR WITH DED
DEVELOPMENT OF TWO PROMOTIONAL PACKAGES FOR
INFORMATION ABOUT MARKETING AND DISTRIBUTIVE
EDUCATION
FOR THE PERIOD 02-26-82 THROUGH 06-30-82
AWARD # 2-99220/LO84
STO I&TECH IND & MARKETG ED IND&MKTG E (144-0624) 2,900.00
2. WI DEPT OF PUBLIC INSTRUCTION
MADISON, WI
PRIME CONTRACTOR WITH DED
REDESIGN AND UPDATE OF SLIDE-TAPE PRESENTATION
ENTITLED "MARKETING AND DISTRIBUTIVE EDUCATION"
AND PRODUCTION OF TAPES FOR LOAN
FOR THE PERIOD 01-01-82 THROUGH 06-30-82
AWARD # PAB 02364
STO I&TECH IND & MARKETG ED IND&MKTG E (144-0692) 5,000.00
3. WI STATE BOARD OF VOCATIONAL, TECHNICAL AND
ADULT EDUCATION
MADISON, WI
PRIME CONTRACTOR WITH LABOR
A PLAN TO EXTEND THE BENEFITS OF VOCATIONAL
EDUCATION TO THE INDIAN POPULATION IN WISCONSIN
FOR THE PERIOD 12-01-81 THROUGH 09-30-82
AWARD # VOB 0216
STO CREI CTR FOR R&E IMPV CTR-R&E IM (144-0682) 3,180.00
4. KNIGHTS OF COLUMBUS - MR. CHARLES M. EMERY \$1,000
MENOMONIE ROTARY CLUB \$100
MADISON, WI
CONFERENCE ON DEVELOPMENTALLY DISABLED
AWARD # 022282A,9503-1-A-82
STO ET&PS EXTENSION ADMIN EXT ADMIN (133-0690) 1,100.00

GIFT-IN-KIND

1. PELLA ENGRAVING COMPANY - JOHN VROAM
PELLA, IOWA
"GIFT OF 24" HORIZONTAL ROBERTSON PROCESS CAMERA
AWARD # 051082A
STO

INSTRUCTION

1. WISCONSIN PRIVATE SECTOR INITIATIVE PROGRAM
INCORPORATED
MADISON, WI
PRIME CONTRACTOR WITH LABOR
WEST CENTRAL SERVICES CONTRACT - CETA
FOR THE PERIOD 10-01-81 THROUGH 09-30-82
AWARD # 9416-1-B-82
STO EDUC STO VOC REH INST VDC-EVAL (144-0584) 55,185.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - STOUT

RESEARCH

1. STOUT UNIVERSITY FOUNDATION		
MENOMONIE, WI		
CENTER FOR INNOVATION & DEVELOPMENT - PRESTO		
PROJECT FOR THE PERIOD 07-01-81 THROUGH 06-30-83		
AWARD # 052781AA		
STO I&TECH SCH-IND&TECH ADM	(133-0761)	60,000.00
	TOTAL STOUT	127,365.00
		=====
EXTENSION AND PUBLIC SERVICE	12,180.00	
INSTRUCTION	55,185.00	
RESEARCH	60,000.00	

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - WHITEWATER

INSTRUCTION

1.	WI BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION MADISON, WI PRIME CONTRACTOR WITH DED "PROJECT TYPIST" SUMMER WORKSHOP AWARD # 50-001-150-112 WTW BUS&EC BUSINESS EDUC BUS EDUC (144-0720)	3,300.00
2.	WISCONSIN HUMANITIES COMMITTEE MADISON, WI PRIME CONTRACTOR WITH NEH POETRY FESTIVAL FOR THE PERIOD 03-19-82 THROUGH 05-31-82 AWARD # G-FY80-227-V821(L) WTW L&S ENGLISH (144-0421)	1,000.00
3.	STATE OF WISCONSIN, OFFICE OF HWY SAFETY MADISON, WI PRIME CONTRACTOR WITH TRANS MOTOR INSTRUCTOR PREPARATION FOR THE PERIOD 04-01-82 THROUGH 11-30-82 AWARD # M/C-82-13-0001-4 WTW EDUC SAFETY STUDIES (144-0398)	8,662.00
4.	WISCONSIN STATE COUNCIL ON ECONOMIC EDUCATION MILWAUKEE, WI CONTINUOUS SUPPORT FOR THE ECONOMIC CENTER WTW BUS&EC ECONOMICS (133-0900)	500.00

STUDENT AID

1.	FIRST BANK & TRUST CO. BURLINGTON, WI MARIE Z. DWYER FUND-WTW (TRUST INCOME) WTW L&S ENGLISH (TRUST)	341.48
2.	FIRST BANK & TRUST CO. BURLINGTON, WI MARIE Z. DWYER FUND-WTW (TRUST PRINCIPAL) WTW L&S ENGLISH (TRUST)	12,534.22
3.	EDUCATION, DEPT OF WASHINGTON, DC IN SUPPORT OF THE FOLLOWING:	
1)	BASIC EDUCATIONAL OPPORTUNITY GRANTS PROGRAM (INITIAL) FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # LTR DTD 04-01-82 WTW ST AST ED OPPOR GRANTS (145-0342)	203,260.00
2)	COLLEGE WORK STUDY PROGRAM FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # LTR DTD 04-01-82 WTW ST AST WORK-STUDY STU SVCS (145-0530)	405,363.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - WHITEWATER

STUDENT AID

4.	EDUCATION, DEPT OF WASHINGTON, DC BASIC EDUCATIONAL OPPORTUNITY GRANT PROGRAM (CONTINUING) FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # LTR DTD 04-01-82 WTW ST AST ED OPPOR GRANTS	(146-0343)	169,384.00
5.	EDUCATION, DEPT OF WASHINGTON, DC NATIONAL DIRECT STUDENT LOAN PROGRAM FOR THE PERIOD 07-01-82 THROUGH 06-30-83 AWARD # LTR DTD 04-01-82 WTW ST AST NATL DIR STU LNS	(LOANS)	438,654.00
	TOTAL WHITEWATER		1,242,998.70 -----
	INSTRUCTION		13,462.00
	STUDENT AID		1,229,536.70

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - CENTER SYSTEM

GIFT-IN-KIND

1. DR. RUTH MITCHELL - WOOD, WI
DR. GERALD MAX - WAUKESHA, WI
DR. LEONARD GROTZ - WAUKESHA, WI
BOOKS AND PERIODICALS
GIFT-IN-KIND
CNS WAUK LIBRARY
2. PATRICIA C. GUNDRUM
WAUKESHA, WI
NUMEROUS BOOKS, PAMPHLETS AND BIBLIOGRAPHIES
GIFT-IN-KIND
CNS WAUK LIBRARY

MISCELLANEOUS

1. ROCK COUNTY CETA
JANESVILLE, WI
PRIME CONTRACTOR WITH LABOR
COLLEGE BOUND
FOR THE PERIOD 06-21-82 THROUGH 06-30-82
AWARD # 2-25-880-51
CNS ROCK STUDENT AFFAIRS ADMIN (144-S148) 4,990.00

RESEARCH

1. WISC DEPT OF NATURAL RESOURCES
MADISON, WI
AIR QUALITY MONITORING-MANITOWOC FOR THE PERIOD
10-01-81 THRU 09-30-82 AT A \$1,643.88 LEVEL
AWARD # P.O.#NRB 93950
CNS MANIT ADMINISTRATION (133-E948) 640.00

TOTAL CENTER SYSTEM 5,630.00
=====

MISCELLANEOUS 4,990.00
RESEARCH 640.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - EXTENSION

EXTENSION AND PUBLIC SERVICE

1. ACTION
CHICAGO, IL
LOW INCOME COOPERATIVE DEMONSTRATION PROJECT
FOR THE PERIOD 04-01-82 THROUGH 10-15-82
AWARD # 433-5047-1
EXT EED-CE AGRIC, AGRI-BUS U CTR-COOP (144-S049) 9,100.00
2. WI DEPT OF PUBLIC INSTRUCTION
MADISON, WI
PRIME CONTRACTOR WITH DED
PUBLICATION ON HISTORY OF SEX EQUITY ACTIVITIES IN
WISCONSIN PUBLIC SCHOOLS AND THE DEPARTMENT OF
PUBLIC INSTRUCTION
FOR THE PERIOD 06-11-82 THROUGH 06-30-82
AWARD # P.O. PAB-02567
EXT PHD-CE HUMAN DEVELOPMNT WOMENS ED (144-S168) 4,950.00
3. DOD, ARMY
HUNTSVILLE, AL
TRAINING COURSE IN SMALL HYDROPOWER AT EXISTING
DAMS
FOR THE PERIOD 12-24-80 THROUGH 07-31-82
AT A TOTAL COST OF \$85,484.00
AWARD # DAC87-81-C-0047, MOD. 3
EXT PHD-CE ENGINEERING INST&SHT C (144-Q530) 15,630.00
4. CITY OF MILWAUKEE
MILWAUKEE, WI
PRIME CONTRACTOR WITH HUD
HARAMBEE OMBUDSMAN PROJECT
FOR THE PERIOD 06-01-82 THROUGH 05-31-83
AWARD # CPE-82-48PS
EXT E E D GOVT & COM DEVEL URB COM DV (144-S051) 65,000.00
5. SMALL BUSINESS ADMIN
MADISON, WI
SMALL BUSINESS DEVELOPMENT CENTER
FOR THE PERIOD 01-01-82 THROUGH 12-31-82
AWARD # SB-2M-00053-02-0, MOD. 2
EXT E E D SMALL BUS DV CTR S B D C (144-R725) 125,416.00
6. COOPERATIVE FOUNDATION
ST. PAUL, MN
TECHNICAL ASSISTANCE AND PUBLIC EDUCATION
FOR THE GROUP HEALTH COOPERATIVE, NORTHERN
WISCONSIN
EXT E E D AGRIC, AGRI-BUS U CT-COOPS (133-B273) 241.16
7. MULTIPLE DONORS
PROFESSIONAL IMPROVEMENT OF THE RECREATION
RESOURCE CENTER STAFF
EXT E E D RECR RESRCS CTR (133-D074) 50.00
8. EDUCATIONAL COMMUNICATIONS BOARD
MADISON, WI
PROGRAMMING AND RADIO OPERATIONS CENTER
AGREEMENTS FOR THE PERIOD 07-01-81
THRU 06-30-82
EXT E C RADIO (133-E665) 5,195.00

GIFTS, GRANTS AND CONTRACTS
JULY 16, 1982

UNIVERSITY OF WISCONSIN - EXTENSION

EXTENSION AND PUBLIC SERVICE

9.	PUBLIC BROADCASTING SERVICE WASHINGTON, DC PACKAGE A SERIES OF TWO PUBLIC DOMAIN FILMS BY FRANK CAPRA EXT E C TELEVISION	(133-E817)	6,653.39
10.	NATIONAL PUBLIC RADIO WASHINGTON, DC ARTS MAGAZINE MODULES EXT E C RADIO	(133-F139)	13,825.00
11.	NIPPON TELEVISION NETWORK CORPORATION TOKYO, JAPAN ENGLISH DUBBING FOR THE PROGRAM: "ASTROBOY" EXT E C TELEVISION	(133-F190)	153,000.00
12.	FRIENDS OF CHANNEL 21, INC. MADISON, WI STAFF AND ADMINISTRATION EXT E C TELEVISION	(133-F335)	151,874.00
13.	FRIENDS OF CHANNEL 21, INC. MADISON, WI STATION STAFF AND PHONE BANKS EXT E C TELEVISION	(133-F336)	72,316.00
14.	FRIENDS OF CHANNEL 21, INC. MADISON, WI PROGRAM ACQUISITION EXT E C TELEVISION	(133-F338)	214,500.00
15.	FRIENDS OF CHANNEL 21, INC. MADISON, WI LOCAL PROGRAM PRODUCTION EXT E C TELEVISION	(133-F339)	264,600.00
16.	MULTIPLE DONORS SUPPORT WEED CONTROL RESEARCH PROGRAM EXT E E D AGRIC, AGRI-BUS AGRONOMY	(133-7714)	1,550.00
17.	NORTHERN FARM & GARDEN, INC. GONVICK, MN FORAGE EVALUATION PROGRAM EXT E E D AGRIC, AGRI-BUS AGRONOMY	(133-8832)	1,200.00
	TOTAL EXTENSION		1,105,100.55 =====
	EXTENSION AND PUBLIC SERVICE		1,105,100.55

ADDITIONAL GIFT

GIFTS, GRANTS AND CONTRACTS

JUL 16, 1982

UNIVERSITY OF WISCONSIN-MADISON

RESEARCH

ALUMINUM ASSOCIATION, INCORPORATED
WASHINGTON, DC
ALUMINUM INTAKE AND METABOLISM FOR THE
PERIOD 07-16-82 THRU 07-15-84
MSN, AG & LSC, NUTRI SCI (133-F400)

\$ 60,000.00

GIFTS, GRANTS AND CONTRACTS SUMMARY
ITEMS PROCESSED 05-21-82 THROUGH 06-28-82

	EXTENSION	INSTRUCTION	LIBRARIES	MISC.	PHY. PLANT	RESEARCH	STUDENT AID	UNRES.	TOTAL
CNTL ADM/UNIV WIDE	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
CENTER SYSTEM	-0-	-0-	-0-	4,990	-0-	640	-0-	-0-	5,630
EAU CLAIRE	84,976	136,422	-0-	1,000	-0-	-0-	4,790	-0-	227,188
EXTENSION	1,105,101	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1,105,101
GREEN BAY	-0-	5,000	-0-	2,872	29	12,710	1,395	-0-	22,006
LA CROSSE	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
MADISON	-0-	2,257,223	293,714	432,665	58,340	15,115,550	210,737	384	18,368,612
MILWAUKEE	-0-	150,568	-0-	267	-0-	375,228	-0-	-0-	526,063
OSHKOSH	2,125	36,774	-0-	1,850	-0-	23,971	-0-	-0-	64,720
PARKSIDE	-0-	-0-	-0-	-0-	-0-	-0-	510	-0-	510
PLATTEVILLE	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
RIVER FALLS	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
STEVENS POINT	-0-	370,345	-0-	-0-	-0-	10,910	-0-	-0-	381,255
STOUT	12,180	55,185	-0-	-0-	-0-	60,000	-0-	-0-	127,365
SUPERIOR	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
WHITEWATER	-0-	13,462	-0-	-0-	-0-	-0-	1,229,537	-0-	1,242,999
TOTAL JUL 1982	1,204,382	3,024,979	293,714	443,644	58,369	15,599,009	1,446,969	384	22,071,449
PREVIOUSLY REPORTED	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
GRAND TOTAL	1,204,382	3,024,979	293,714	443,644	58,369	15,599,009	1,446,969	384	22,071,449
TOTAL JUL 1981	300,961	2,362,660	422,201	896,107	1,915	12,881,949	1,807,455	25	18,673,273
PREVIOUSLY REPORTED	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
GRAND TOTAL	300,961	2,362,660	422,201	896,107	1,915	12,881,949	1,807,455	25	18,673,273
FEDERAL TOTAL JUL 1982	298,711	2,942,022	-0-	(88,588)	58,340	11,720,028	1,237,807	-0-	16,168,320
PREVIOUSLY REPORTED	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
FEDERAL GRAND TOTAL	298,711	2,942,022	-0-	(88,588)	58,340	11,720,028	1,237,807	-0-	16,168,320
FEDERAL TOTAL JUL 1981	173,159	2,159,357	-0-	23,614	-0-	10,959,477	1,482,491	-0-	14,798,098
PREVIOUSLY REPORTED	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
FEDERAL GRAND TOTAL	173,159	2,159,357	-0-	23,614	-0-	10,959,477	1,482,491	-0-	14,798,098

BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

President - David E. Beckwith

Vice President - Robert P. Knowles

STANDING COMMITTEES

Executive Committee

David E. Beckwith (Chairman) *ex officio*
Robert P. Knowles (Vice Chairman) *ex officio*
Marilyn M. Fitzgerald ①
Ben R. Lawton ②
Russell J. O'Harrow
Paul R. Schilling
Gerard E. Veneman

Education Committee

Paul R. Schilling (Chairman)
Edith N. Finlayson (Vice Chairman)
Herbert J. Grover
Ben R. Lawton ②
VTAE President (Philip J. Hendrickson)
David E. Beckwith (ex officio)
Robert P. Knowles (ex officio)

Business and Finance Committee

Gerard E. Veneman (Chairman)
Ody J. Fish (Vice Chairman)
Thomas P. Fox
James Jesinski
Mary Podlesny
David E. Beckwith (ex officio)
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Physical Planning and Development Committee

Russell J. O'Harrow (Chairman)
Frank H. Heckrodt (Vice Chairman)
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M. William Gerrard
David E. Beckwith (ex officio)
Robert P. Knowles (ex officio)

Assigned to _____ Committee, p. 1, Ex. A

AN EXECUTIVE SUMMARY OF THE INSTRUCTIONAL
FUNDING REPORT

July 1982

Introduction

Two years ago the President of the University of Wisconsin System appointed a committee of five chancellors and two members of System Administration to study the level and adequacy of funding for the instructional mission of UW institutions. The committee evaluated the current enrollment funding formula, which for many years has largely directed the state's instructional funding of the UW System, and undertook three major additional tasks to assess the adequacy of current levels of support.

First, the committee developed a "benchmark" model comparing the System's instructional funding levels in 1981-82 and 1973-74. Second, it developed an "Instructional Funding Model" to enable comparison of actual UW instructional budgets with normative standards of adequacy. Finally, the same model enabled comparison of funding levels between UW institutions and their peer universities in other states.

All three studies demonstrate serious instructional underfunding of UW institutions. This problem did not arise suddenly; it has developed over at least the past decade, in response to various complex economic factors and public policy decisions. It now needs redress. The shortfalls documented by the committee threaten to undermine the vitality of Wisconsin's public institutions of higher education at a time when their contributions to the state's economic growth and cultural well being are critical. The report should be of great value in future deliberations over approaches to the System's instructional funding.

The Current Formula

The current enrollment funding formula adjusts instructional funding to increases and declines in student enrollment, and has served both the Regents and state government as a useful tool. The formula, however, also has certain weaknesses. It funds change in enrollments and does not adjust for an inadequate base; underfunding thus compounds itself. It does not recognize special costs of part-time extended day students, inflation, or administration; it does not adequately distinguish fixed from variable instructional costs; and it does not keep up with student shifts to higher-cost disciplines. Other implications about the formula's comparative strengths and weaknesses emerge from the studies the committee conducted.

The Benchmark Model: System Instructional
Funding in 1981 and 1973 Compared

In the belief that funding trends over time would be illuminating, the committee first inquired how much instructional funding the System would have received in 1981-82 if it had been funded at a level of support comparable to that which existed in the fall of 1973. To answer this question the

committee developed a "model" 1981 budget based on funding, staffing, and work-load relationships that existed in the "benchmark" year of 1973. The difference between the model 1981 budget and the actual expenditures that year showed:

- The UW System's budget base for instruction (teaching and support activities) has become underfunded from 1973 levels by \$54.6 million.
- The doctoral cluster compared with itself over this period has become underfunded for instruction by \$19.1 million.
- The university cluster compared with itself over this period has become underfunded for instruction by \$31.0 million.
- The Center System compared with itself over this period has become underfunded for instruction by \$4.5 million.

Other data confirm the funding decline over the past decade which the benchmark model documents. The budgeted cost per student for instruction and related support, measured in constant 1972-73 dollars, has declined steadily almost every year over the past decade -- from \$1,902 in 1972-73 to \$1,659 in 1981-82. Moreover, the relative instructional support index has fallen appreciably from 1972 to 1982, failing to keep pace with growing student enrollments.

The Instructional Funding Model:
Comparing System Funding with Modeled Standards and
Peer Institutions.

To assess System instructional funding against some standards other than trends in Wisconsin's own budgetary experience, the committee then developed a more sophisticated model -- the Instructional Funding Model (IFM) -- from which model budgetary requirements emerge in four instructional categories: direct instruction, student services, academic support, and institutional support. The IFM not only enables comparison of the level of actual funding in UW System institutions with the requirements of the model, but also with the funding level of peer institutions. The model reveals that:

- The System as a whole is funded at 72.3% of model requirements, a shortfall of \$148 million. Its peer group is funded at 83.0% of the model.
- UW-Madison is funded at 71.2% of the model, a shortfall of \$61 million. Its peer group is at 87.5%.
- UW-Milwaukee is funded at 76.7% of model, a shortfall of \$18 million. Its peer group is at 90.2%.
- The university cluster is funded at 72.0% of model, a shortfall of \$70 million. Its peer group is at 75.6%.
- The UW System as a whole is funded 13%, or \$57 million, below the average of its peer group.

Other data provide some historical context for the current rankings of the UW System revealed by the Model. In 1972-73, Wisconsin ranked sixth among all states in public higher education. By 1981-82, that ranking slipped to thirty-sixth.

The Model also has a number of analytical strengths. By its design, it attempts to encompass and address all instructional budget needs; recognize the impact of changes in instructional workload on funding requirements; recognize the fixed and variable cost behavior associated with institutional size and enrollment changes; and establish a framework for identifying a broad range of budget needs by cost category. The Model also demonstrates the priority UW institutions have placed on direct instruction in allocating scarce resources; other parts of the budget have suffered accordingly.

General Findings and Conclusions

The Benchmark Model shows that every university in the System in both the doctoral and university clusters is less well funded for instruction now than it was in 1973-74. An additional \$54.6 million would have been required in 1981-82 to raise instructional funding to the 1973-74 level. Declines over this period in other indices, such as budgeted cost per student and the relative instructional support index, lend additional support to the Benchmark Model's findings.

The Instructional Funding Model confirms and extends substantially the implications of the Benchmark Model. The System is funded at only 72.3% of the level established by the IFM -- a shortfall of \$148 million -- and falls 13% or \$57 million below the average of its peer institutions in other states, a figure that is especially disturbing in light of the historic preeminence of Wisconsin public higher education. Similar shortfalls exist at UW-Madison, UW-Milwaukee, and the university cluster in comparison with their respective peer groups. These findings are bolstered by data such as the evidence of Wisconsin's drop from sixth to thirty-sixth among states over the last decade in the level of support for FTE students in public higher education.

These findings show that Wisconsin has not, in the past decade, maintained its position in respect to other states in support of higher education; it has instead fallen markedly behind at a time when rejuvenation is most needed. The historic ability of the state's public universities to offer qualified applicants an education of respectable quality, and to provide services critical to the state's cultural well-being and economic development, has been seriously compromised. The challenge to the state's leaders is to begin to redress this diminution in the stature and vitality of the System, so that it can undertake a reasonable degree of renaissance.

F. UW-RIVER FALLS

1. 1981-82 Campus Laboratory Farm Pole Barn (8202-43)

a. All Work

Langer's Farm & Home Building - Roberts

\$ 16,400.00

G. UW-STEVENS POINT

1. 1981-83 Running Track Repairs (8201-23)

a. All Work

Action Courts, Inc. - Eagan, MN

\$ 11,498.00

2. 1981-83 Electrical Distribution Cable Replacement and High-Voltage Switch Correction (8204-16)

a. Electrical Work

Van Ert Electric - Rudolph

\$ 34,995.00

3. 1982 DeBot Center Ceiling Replacement (8206-04)

a. Ceiling Work

Central Wisconsin Ceilings - Stevens Point

\$ 13,338.00

H. UW-STOUT

1. 1977-79/1981-83 Remodeling for Vocational Rehabilitation (8005-25)

a. General

Vogel Brothers Building Company - Madison

\$1,346,000.00

b. Plumbing & HVAC Work

Bartingale Company - Eau Claire

\$ 716,800.00

c. Electrical Work

E-Con, Inc. - Wisconsin Rapids

\$ 511,400.00

d. Elevator Work

Larson Elevator Company, Inc. - Eau Claire

\$ 91,418.00

e. Temperature Control

Johnson Controls, Inc. - La Crosse

\$ 100,278.00

f. Balancing

E.S.A. - Cottage Grove

\$ 12,098.00

g. Energy Management System

Johnson Controls - La Crosse

\$ 8,130.00

TOTAL CONTRACT AWARDS:

\$2,786,124.00

I. UW-SUPERIOR

1. 1979-81 Heating Plant Summer Boiler (8006-19)

a. Summer Boiler

Hooper Construction Corporation - Madison

\$ 170,800.00

7/82

I - 4
II - 1
III - 1

2. 1979-81 Gates Physical Education Locker Rooms Remodeling (8201-41)

- a. All Work
Shorty & Sons Mechanical Contractors, Inc. - Superior \$ 56,750.00

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

A. UW-MADISON

1. 1977-79/1979-81 Nutritional Sciences Conversion - Phases I and II (7809-29)

- a. Change Order G-42: ADD \$ 37,320.00
- b. Change Order HV-15: ADD \$ 62,184.50

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

✓ Annex Bldg

1954 E. Washington Ave, wis. Disability Coalition, Inc. lease of space for credit, non pers. items

A. A renewed agreement between the University of Wisconsin - Madison and the Wisconsin Disability Coalition, Inc., for lease of 197 NASF of space in the Annex Building at 1954 East Washington Avenue, for the period June 1, 1982 to May 31, 1983, has been signed by the Vice Chancellor for Administration. The lease rate has been increased from the present rate of \$6.93 to \$7.44 per square foot. (X-ref. Hospital Bldgs & Access to Independence, Inc.)

✓ Annex Bldg

B. The agreement between the University of Wisconsin - Madison and Access to Independence, Inc., for their continued lease of space at 1954 East Washington Avenue has been signed by the Vice Chancellor for Administration. The space, to be used for programs contributing toward the goal of improved educational, vocational, and social opportunities for the handicapped, consistent with University policies and in cooperation with University programs for the handicapped, will be leased for the period July 1, 1982 through June 30, 1983. The lease rate has been increased from \$6.93 to \$7.48 per square foot. Non Pers. Items B (X-ref - Hospital Bldgs & Access to Independence, Inc.)

✓ Hospital

C. An agreement between Herslof Optical Company and the Board of Regents for provision of optical service at University Hospital and Clinics has been signed by the Vice Chancellor for Administration and covers the period April 1, 1982 to April 1, 1983, with two additional one-year renewal options. The rental rate is \$5,040 per year. This agreement replaces the one previously reported between the Board and Connelly Optical Service Ltd. since Herslof Optical was the successful bidder in the recent competitive bidding for optical service. NPI-C. (X-ref (Herslof Optical Co.))

✓ Northeast Family Practice Clinic

D. An agreement has been signed between the Board and Doctors Dennis O. Carey, Robert E. Erickson, and Ronald G. Schmidt for lease of space in the Northeast Family Practice Center for operating a dental practice. This is a continuation of the lease arrangement which existed with Flad and Associates prior to the purchase of the clinic facility by the University. The agreement covers the period March 1, 1982 through February 28, 1985, at an annual rate of \$4,950. NPI-D (X-ref Hospital Bldgs & Carey, Erickson & Schmidt.)

✓ Randall Towers

E. An amendment to the agreement between Ms. Margarita McMorris for operating the University Travel Office in the Randall Towers has been signed by the Vice Chancellor for Administration. The agreement covers space previously leased by Ms. Cheryl Wade for Carbon Ribbon Professional Secretarial Services Office which was terminated, in accordance with terms of the agreement, on May 31, 1982. The amendment covers an additional room (No. 105) for an increased monthly rental of \$137. (X-ref - McMorris) NPI E.

Arboretum - UW-Msn

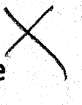
F. An agreement for lease of the UW-Madison Arboretum Security Residence by John Shanklin and Elizabeth Wiederholt (married couple) has been signed by the Vice Chancellor for Administration and covers the period August 1, 1982 through July 31, 1983. In lieu of rent, the lessees will act as Arboretum caretaker during hours the crew is off duty, maintain meteorological records during weekends and holidays, occupy the premises on weekends and holidays or make arrangements for someone else to be present, and handle emergency situations. NPI F (X-ref - Shanklin Wiederholt)



US Forest Service

502-03 Walnut St

G. A collection agreement between the Board of Regents and the USDA Forest Service (FP 82-443) has been signed by the Vice President for General Services May 17, 1982. This agreement is required in relation to the Occupancy and Use Permit with the USDA Forest Service for use by the University of the Forest Products Laboratory Facilities located at 502 and 503 Walnut Street and provides for the University to advance a portion of the annual rental charge to FPL, who provides for the costs of contracting the maintenance work from this advance. The advance, as adjusted for actual maintenance costs, is credited against the annual rental payment by the University at the end of the year. This agreement provides for the repair and replacement of the roofs of the rental properties. NPI G (X-ref. Forest Products Lab)



Wis. Statute, DNR

H. The delegation agreement between the Department of Administration and the University of Wisconsin System initially entered into on September 21, 1981, has been modified effective May 20, 1982, to reflect delegated approval authority for the acquisition of all externally-funded research DP acquisitions and for all instructional/academic acquisitions. Administrative acquisitions for \$50,000 or more are to be sent to the Office of Information Systems Management, NPI H. (reference under Administration, Dept of)



Plant Pathology Dept of

I. A renewal agreement with Mrs. Sophie Rydzewski for the use of not less than 20 nor more than 40 acres of land (exact acreage to be determined following planting) at the rate of \$35 per acre for the potato growing program of the UW-Madison Department of Plant Pathology has been signed by the Vice Chancellor for Administration. Conditions in this agreement are the same as those reflected in previous agreements which have been in effect for several years. NPI I - x-ref. (Rydzewski)



Arlington Farms.

The UW-Madison Chancellor has authorized the razing of the following obsolete silos on the Arlington Experimental Farms which are in poor condition and no longer needed to be used. They are not of unique construction and have no historical significance. NPI J.



- | | |
|-------------------|------------------|
| Building No. 838 | Bookhout Silo |
| Building No. 861A | Woltman Silo |
| Building No. 887 | Caldwell Silo |
| Building No. 848A | Turkey Farm Silo |
| Building No. 857 | Swalheim Silo |
| Building No. 826A | Halsor Silo |

UW-RF-Gen

K. The 1982-83 contractual agreement between Catholic Charities Bureau, Inc., and the University of Wisconsin - River Falls for the continued operation of the child care center at that campus has been signed by the Vice President for General Services. The agreement shall be in effect from July 1, 1982 through June 30, 1983, with an option of the institution to renew for two additional one-year periods. NPI K (X-ref. Catholic Charities Bureau)



✓ Murray St

L. The lease between the Board and the Presbyterian Student Center Foundation for use of the parking lot at 439 North Murray Street for UW-Madison parking needs in the east area of the campus has been renewed for the period September 1, 1982 through August 31, 1983. The rate of \$351.30 per month and other conditions of the agreement are the same as have existed for the past several years. (K-ref - Presbyterian Student Center Foundation), NPI h.

✓ Arboretum
uw-msh

A land use permit between the Board of Regents and the City of Madison to allow the City to construct a water main across Arboretum lands has been executed. A similar agreement was authorized one year ago, and this permit is part of the same water main project but crosses a second parcel of Arboretum land. The line will reinforce the water supply to this area and will serve the University lands through improved fire protection. (X-ref. Madison, City of), NPI - M.

✓ WARF

N. An agreement for the lease of approximately 120 square feet of space (Room 644-WARF) to the Medical College of Wisconsin for a research project concerning Computerized Axial Tomography, has been signed by the Vice Chancellor for Administration. The agreement covers the period July 1, 1982 through February 28, 1983, at a total payment of \$631.20. NPI-N (X-ref Medical College of Wis.),

IV. REPORT OF ACTIONS TAKEN BY THE STATE BUILDING COMMISSION ON 16 JUNE 1982, AFFECTING THE UNIVERSITY OF WISCONSIN SYSTEM.

UNIVERSITY	PROJECT	ACTION
1. UW-EAU CLAIRE:	Requested authority to plan, bid, and construct a 1982 Towers Hall Vapor Barrier Installation project, for an estimated total project cost of \$30,600.	APPROVED.
	* * *	
	Requested authority to use \$30,725 of Program Revenue Funds and the allotment of \$15,475 of Minimum Maintenance/Health and Safety Allocation funds to plan, bid, and construct a 1981-83 Steam Service Safety Device Modifications project, for an estimated total project cost of \$46,200.	APPROVED.
	* * *	
	Requested the allotment of \$21,100 of Capital Improvement Fund Earnings - Minimum Maintenance/Health and Safety Allocation funds to plan, bid, and construct a 1981-83 Running Track Repairs project.	APPROVED.
2. UW-LA CROSSE:	Requested authority to purchase one 0.07-acre parcel of Improved land, for an estimated total acquisition cost of \$31,000.	APPROVED.
	* * *	