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MINUTES OF THE REGULAR MEETING

of the

BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

Menomonie, Wisconsin

October 5, 1990

This is a summary of actions taken by the Board of Regents on the above date. Full minutes of the meeting will be available within a month at the main library or archives on each campus of the University of Wisconsin System and the Legislative Reference Bureau of the State Capitol.

<u>Subject Index</u>	<u>Pages</u>
Approval of minutes	1
REPORT OF THE PRESIDENT OF THE BOARD	
Statement of appreciation to UW-Stout	1
Report of the Higher Educational Aids Board meeting	2
Report of the President of the State VTAE Board	2
REPORT OF THE PRESIDENT OF THE SYSTEM	
Approval of nonpersonnel actions/informational items	2
Presentation on UW-Stout Distinguished Alums	2-3
Enrollment management	3-9 & EXHIBIT A
Issues of the 1990s	9-12 & EXHIBIT B
Introductions of UW-Stout students and System officer	12-13
REPORT OF THE PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE	
UW-Stout: approval of 1990 campus development plan	13
UW-Stout: approval to participate in improvement project	13-14
UW-Madison: authorization for use permit for marine storage	14
UW-Oshkosh: authorization for easement to City of Oshkosh	14
UW-River Falls: authorization to name room in Hagestad Student Center	14
UW System: approval of design report and authority to construct Great Lakes Research facility fisheries laboratory	15
Authority to construct minor projects	15
UW System: approval of masonry/roof repairs and replacements	16
UW-Madison: authorization to construct Charter Street Heating Plant fugitive dust control project	16-17

<u>Subject Index</u>	<u>Pages</u>
REPORT OF THE EDUCATION COMMITTEE	
Authorization to plan new program: M.S. in Business with major in distribution management, UW-Madison	18
Authorization to plan new program: B.S. in materials science and engineering, UW-Madison	18
Report on faculty recruitment/retention statistics	18
Report on Industrial and Economic Development Research Fund	18
Report on Integrated Agriculture Program	19
UW-Madison divisional name change	19
Authorization to Recruit Dean, Medical School, UW-Madison	19
Authorization to Recruit Dean, School of Pharmacy, UW-Madison	19
Authorization to Recruit Associate Professor or Professor, Wisconsin Prevention Center, Medical School, UW-Madison	19
Authorization to Recruit Dean, Information Technology, UW-Madison	20
Report of the Acting Vice President	20
UW-Stout presentation	20
Report on strategic planning for teacher education	21 & EXHIBIT C
Report on systemwide initiatives in undergraduate education	21
Progress report on verbal and quantitative proficiency skills assessment by System institutions	21-22
Report on use of teaching assistants at doctoral institutions	22
REPORT OF THE BUSINESS AND FINANCE COMMITTEE	
Report of the Audit Subcommittee	22
Approval of gifts, grants and contracts	23
Policy for quasi-endowments over \$50,000	23
Report on 1989-90 faculty fringe benefits	23
Report on cost of living adjustments of faculty salaries	23
Class audit policy	24-27
Year-end financial report	27
Biennial report on 1989-91 base reallocations	27-28
ADDITIONAL RESOLUTION	
Resolution of appreciation, UW-Stout	28

MINUTES OF THE REGULAR MEETING

of the

BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

Menomonie, Wisconsin

Held in Ballrooms B & C, UW-Stout Memorial Student Center
Friday, October 5, 1990
8:00 a.m.

- President Lyon presiding -

PRESENT: Regents Davis, Doughty Luckhardt, Dreyfus, Flores, Gelatt,
Grover, Gundersen, Hassett, Krutsch, Lyon, Nicholas, Schilling,
Vos and Weinstein

ABSENT: Regents Clusen, Steil and Vattendahl

Approval of the Minutes

Upon motion by Regent Vos, seconded by Regent Gundersen, the minutes of the September 7, 1990, meeting of the Board of Regents were approved as distributed.

✓
UW-Stout -

REPORT OF THE PRESIDENT OF THE BOARD

→ Statement of Appreciation to UW-Stout

by Board Pres. for hosting this meeting, p.1

Regent President Lyon stated that the Board was very pleased to have this opportunity to meet at UW-Stout and to join the celebration of UW-Stout's centennial year. "We are very proud of this excellent university and its special role in our System. On behalf of all the members of the Board of Regents, we thank Chancellor Sorensen and his staff for inviting us, and all the people of UW-Stout and Menomonie for making us feel so welcome."

✓ HEAB - Report of 9/14/90 meeting, p. 2

Report of the Higher Educational Aids Board Meeting of September 14, 1990

Regent President Lyon called attention to the written report, which was included in the agenda materials. Regents Davis, Doughty Luckhardt and Gelatt are members of the Higher Educational Aids Board.

✓ VTAE - Report of President, p. 2

Report of the President of the VTAE Board

Regent Hassett supplemented his written report by announcing that there would be a special meeting in November on the biennial budget request. Staff had been asked to prioritize requests beyond a 2-1/2 percent increase.

- - -

REPORT OF THE PRESIDENT OF THE SYSTEM

Approval of Nonpersonnel Actions

It was moved by Regent Davis, properly seconded and carried unanimously that the following resolution be adopted by the Board of Regents:

Resolution 5607: That the report of nonpersonnel actions by administrative officers to the Board of Regents and informational items reported for the record (copy on file with the papers of this meeting) be received for the record; and that actions included in the report be approved, ratified and confirmed.

✓ Regents' Presentations -

Presentations: UW-Stout Distinguished Alums, pp 2-3

Stating that since 1891 UW-Stout has taken pride in developing leaders in education, business industries and human services, Chancellor Sorensen introduced five professionally and personally successful UW-Stout graduates who exemplify the result of the heavy investment in students by a dedicated faculty and staff.

Having moved to Menomonie from the West Indies in 1968, Jules Butcher, a senior product development engineer for the 3M Company, explained how his bachelor's degree from UW-Stout in 1972 and a master's degree in 1977 provided the firm foundation for his ability to analyze problems, organize task groups and utilize the resources to achieve goals for groups, the ability to comprehend top management discussions and to contribute significantly to the creation and implementation in organizing programs.

Dwight E. Davis, a 1966 graduate and senior vice president for administrative services at Wausau Insurance Company, believes that successful businesses and educational institutions share the same perspectives: a specific focus; development of marketing strategies based on

an organization's strengths; and attention to issues of quality and making continuous improvements a way of life. UW-Stout provided him this background to obtain the problem-solving skills that he possesses today.

A 1964 graduate, Brian M. Jennerjahn now owns an engineering firm in Hartford City, Indiana, and feels that the broad, practical background of his employees who graduated from UW-Stout far surpasses the education received by his employees from other campuses.

Nina Jo Look received her undergraduate and graduate degrees from UW-Stout in 1970 and 1971 and a Ph.D. in Educational Administration from UW-Madison thereafter. Nearly a quarter of her current staff at the Milwaukee Area Technical College are UW-Stout graduates, and she believes that those graduates possess a special commitment to their work that far exceeds the attitudes of other college graduates.

After having received the help she needed from UW-Stout in their program services for students with learning disabilities, Terry Wilkomm graduated from UW-Stout in 1982 and earned a master's degree in 1984 from Drake University. Considered a leader in the field of rural rehabilitation, she now serves as program director of the Farm Family Rehabilitation Management for the Easter Seal Society of Iowa.

President Lyon thanked Chancellor Sorensen and these UW-Stout distinguished alums for the splendid presentation. Stating that their pride in UW-Stout appears extremely strong, he congratulated them on the special recognition they were receiving.

✓ Enrollment Management - Report by System President, pp 3-5 + EX A

President Shaw reported that FTE enrollment decreased significantly this fall, continuing progress toward the enrollment management goals. While the figures were not yet final, there was a decline of about 1,000 FTE across the System, and total enrollment was expected to be about one percent above the target. Over the four-year period, there had been a reduction of 5,564 FTE, which was 80 percent of the goal of 7,000.

This was a substantial achievement, he remarked, given the difficulty of predicting human behavior. For example, had retention rates been as predicted, the target would have been met. However, retention was higher than expected. Another example occurred at UW-Oshkosh, where 50 of the 439 FTE enrollments over target were attributed to students taking an average of 14.13 credits instead of 14.06.

The purpose of enrollment management being to ensure educational quality within resource constraints, President Shaw noted the shift from a situation in which campuses enrolled all qualified applicants to a situation in which campuses had taken control of the balance between educational quality, resources and enrollment. As an attempt to align resources with enrollment, Enrollment Management I had accomplished what was intended.

Of the four institutions targeted to increase enrollments, UW-Green Bay and UW-Superior more than achieved their targeted growth. The other two institutions, UW-Parkside and the UW Centers, added nearly 1,000 FTE to their enrollments but still fell short of growth targets. On the whole, President Shaw was pleased with the efforts of these institutions. They absorbed over 1,400 additional FTE students over the four-year period compared to the targeted goal of 1,755, doing this with no additional resources.

Ten institutions were targeted to experience a decline in enrollment. Seven of them--UW-Milwaukee, UW-Eau Claire, UW-LaCrosse, UW-Platteville, UW-Stevens Point, UW-Stout and UW-Whitewater--finished within one percent of their goal. Two institutions--UW-Madison and UW-Oshkosh--were more than three percent above their targets. UW-River Falls was under target, as a result of changing the academic calendar from a quarter to a semester system this fall. The institutions targeted to decline had reduced enrollments by a total of 7,058 FTE, versus the overall goal of 8,755 for their institutions.

Noting that Enrollment Management I required the institutions to learn a new set of management skills, President Shaw said that, while there had been difficulties, the institutions had done well overall and had developed a management expertise in controlling freshmen and transfer enrollment.

Freshmen enrollment declined 13 percent since 1986. The fall 1989 freshman class was 25,000, which was 3,000 less than 1988. Fall 1990's freshman class was about 24,200.

Noting that the central motivation for enrollment management is concern for educational quality, President Shaw cited other initiatives over the last four years which also have enhanced quality: increased faculty positions; attention to admissions standards and criteria; the role of remediation; and programmatic requirements including capping enrollments of certain programs. He considered it essential to carry into the future those and other initiatives which are critical to the overall goal of preserving and enhancing quality.

While the first phase of enrollment management was motivated by the concern that educational quality was being endangered by a serious imbalance between resources and needs, the second phase would aim at maintaining the improved balance to ensure current quality levels through the 1990s, while taking into account certain demographic trends.

The approach for this phase of enrollment management has two parts, the first of which is the policy principles that define the philosophy and assure employment of uniform rules. Under these principles, institutions will not lower admission standards. There will be no reward for going over target enrollments and institutional budgets will be based on the target figures, not on what is achieved. Any revenues from exceeding targets will be carried over to reduce the next year's tuition. Strong management control is emphasized--a margin of one percent above or below the target will allow institutions to respond to particular situations in a flexible manner, without giving up their overall control and without encouraging overenrollment. Only one institution--UW-Green Bay--will be expected to grow.

The second part of Enrollment Management II consists of the actual targets calling for a systemwide enrollment reduction of 3.8 percent over the next four years.

While demographics indicate a decline in traditional-aged high school students, the hope is to see this next period as an opportunity to serve the growing demand for adult and continuing professional education. The demand from school teachers for courses to meet new state continuing education requirements is typical of the kinds of demands to be addressed.

While he predicted that the exact target almost certainly will not be achieved, President Shaw offered assurance that the goals will be approximated. Good management controls are in place; the demographics are pointing in direction of the target; and management of resources to ensure educational quality is a priority at every institution.

The proposed enrollment targets are premised on the assumption that the budget for 1991-93 will be sufficient to maintain basic instructional quality in compensation, libraries, laboratory equipment and ongoing costs. If the base budget were not sufficient to maintain instructional quality at the proposed enrollment levels, President Shaw cautioned, there would be a need to revise enrollment management targets downward to achieve a better match between students and resources.

✓
Enrollment Management
→ Regent Discussion on Enrollment Management I, pp 5-7

Regent Weinstein pointed out that a portion of the decrease in undergraduate students had been offset by an increase in graduate students, specifically at the master's degree level. If the real effort is to control undergraduate enrollments, he questioned the wisdom of including graduate level students in the plan, and thus tainting the resulting numbers. Education at the Ph.D. level, he noted, is largely supported with federal money or other non-state-funded contracts.

In response, President Shaw explained that graduate students are included because the cost impact of graduate education is a factor in the effort to better align resources with numbers of students being served. If graduate enrollment increases during the next four years, undergraduate enrollment will decrease proportionately more than the targeted 3.8 percent. Most of the graduate student growth had occurred at the master's level in areas such as teacher education, for which there is no independent funding source.

Regent President Lyon asked that future enrollment management reports routinely show the breakdown of undergraduate and graduate students.

Regent Dreyfus commented that higher admission standards meant denying access to a percentage of people who, given time, could have earned degrees. Even those who do not graduate reap some benefit from their years in college. He inquired as to different admission standards for in-state and out-of-state students at the undergraduate level to maximize access for Wisconsin citizens.

Chancellor Shalala explained that UW-Madison had addressed the issue by requiring that out-of-state students be in the top 20 percent of their high school class. In-state students must be within the top 40 percent.

With regard to the matter of denying access to Wisconsin residents who do not meet the higher standards, President Shaw commented that since resources are not sufficient to teach all students, the judgment has been to focus on those who have the best opportunity of being successful. Historical data show that only 15 percent of students admitted from the bottom quarter of their high school class have received a degree within eight years. Such students, however, are not automatically precluded from admission. For example, they can demonstrate college readiness by doing well in remedial courses or in a VTAE program.

Referring to the large numbers by which UW-Madison and UW-Oshkosh had exceeded their enrollment targets, Regent Schilling inquired about the impact of those overages on educational quality and what the institutions would do differently to reduce numbers in the future.

President Shaw identified the consequences as being more difficult for students to enroll in courses and to pursue the sequence needed to graduate. Both institutions would be expected to get back on target during the next four years.

Chancellor Shalala indicated that the freshmen class at UW-Madison had been decreased by 20 percent in the last two years. The overage of more than 1300 students, which was due to high retention rates, would be worked out in the next two years. If the controls were made more stringent, she felt there could be serious financial consequences for the System in several years.

In the case of UW-Oshkosh, Chancellor Kerrigan explained that the 439 student overage was due to a number of transfer students much larger than predicted, as well as to a high retention rate. Beginning in January 1991, there would be tighter controls on transfers.

While he had not in the past supported the idea of enrollment management, Regent Vos said he could now support certain aspects, as long as reductions could be done gradually to minimize the impact on individual campuses. He inquired as to the rationale for allowing UW-Green Bay to grow while the rest of the campuses reduced enrollments.

Noting that UW-Green Bay had grown more than expected during the first phase of enrollment management, President Shaw explained that the target for the next phase was based on recognition that UW-Green Bay is in the state's high growth area and that the percentage of high school graduates going to UW-Green Bay is increasing. Had UW-Oshkosh not gone so far beyond its target, its percentage of decrease for Enrollment Management II would have been less than other institutions to reflect that same phenomenon.

Regent Weinstein requested statistics on the improved retention rates and the effect of those rates on the percentage of students who graduate.

President Shaw agreed to provide that data as soon as the latest figures are available, possibly at the December meeting.

Regent Gelatt asked if the goal of reaching a student-faculty ratio of 24:1 had been achieved.

President Shaw replied that the 1978-79 ratios had not been achieved because the targeted reduction of 7,000 students had not been reached.

Brenda Leahy, President of the United Council of UW Student Governments, stated the belief that access should be given to any student who can meet admission standards and that students should be able to attend their local campuses rather than being required to relocate. Students also are concerned, she said, about the cost of maintaining student facilities and services with fewer students to pay for them. In addition, they are concerned about the effects of enrollment management on the communities in which the universities are located and the impact on small businesses which depend on student spending. To students, she said, quality means access for all eligible students and maintenance of existing programs.

In reply to a question by Regent Weinstein, Ms. Leahy affirmed that there are students who meet admission standards but still are unable to enroll in their local university. She had no data on the numbers of students affected. Regent Dreyfus asked United Council to supply any available information on this point.

Regent Flores noted a student leader's suggestion that money might be saved and a tuition increase might be avoided by curtailing program availability, so that particular majors would only be offered at certain institutions. He asked if that thought could be reconciled with the wish for student access to universities in their area.

Ms. Leahy felt that majors in the liberal arts should be available at all institutions but that the more expensive programs should be offered only at certain campuses.

While students sometimes are denied admission to local institutions, President Shaw explained that the campuses try to make allowances for admission of local students. With regard to program array, he pointed out that the UW System already had in place a selective program distribution, with liberal studies majors available at all institutions and specialized majors available only at certain universities. While he understood the desire for all students to go to the schools of their choice, consideration of resource availability led to the enrollment management decisions he was recommending.

Regent Krutsch pointed out that Wisconsin has a high level of student access compared to other states.

Regent Grover commented that denial of access to students who do not meet admission standards sends a strong message to elementary and secondary schools on the importance of strengthening their programs.

✓ Enrollment Management - Targets for EMT II, R 5608,
Enrollment Management II PP 8-9

It was moved by Regent Gelatt, and seconded by Regent Gundersen, that the following resolution be adopted by the Board of Regents:

Resolution 5608: That, upon the recommendation of the President of the University of Wisconsin System, the Board of Regents approves the Policy Principles for Enrollment Management II, and the Enrollment Management Targets for 1991-92 to 1994-95. These targets will serve as the basis for establishing student tuition and fee levels.

(A copy of the enrollment management policy principles and targets is attached as EXHIBIT A.)

With the coming 13 percent decline in the number of students 18-22 years old, Regent Nicholas noted that the four-year target of a 3.78 percent decline in enrollment depends on increasing the non-traditional age student group. He asked if there were a large number of non-traditional age students now being denied admission and if it would be necessary actively to recruit these types of students.

In reply, President Shaw indicated that the two-year Centers already were enrolling the mature adult student population in their areas. Other institutions have not had the space to cater to mature adults but had taken them on a special basis as best they could. In order to meet enrollment projections, they will have to recruit actively. Whether the market exists in sufficient numbers remains to be seen. UW-Milwaukee, which has lagged behind its enrollment projections for the first three years of enrollment management, almost caught up this year by taking a much more aggressive posture with non-traditional students in advertising and services. In addition, higher standards and expectations may create a climate in which more than 50 percent of the high school graduates aspire to higher education. Further improvement in retention rates also is expected.

Therefore, President Shaw explained, the 3.8 percent projection is by its nature an uncertain figure. At the end of the first two years, it should be reevaluated in terms of actual experience.

Regent Weinstein pointed out that, if the 1990-94 projections are achieved, the actual 1986-1994 enrollment reduction will be 10,457. He asked if standards would have to be raised to achieve the targets and whether, with so much uncertainty as to projections, goals should not be set only for the next biennium.

President Shaw indicated that Enrollment Management II was based on the assumption that standards would not be raised or lowered. However, if there were actual reductions in the budget, which necessitated enrollment reductions beyond the targets, it then would be necessary to raise admission standards. Although predictions are difficult, he favored a four-year target because it provides some planning room. However, targets should be reviewed annually and seriously reconsidered at the end of the second year, to determine whether the assumptions were correct.

At the suggestion of Regent Weinstein, the principle setting UW-Madison resident undergraduate tuition at 110 percent of cost was removed by consensus, to be included instead in the biennial budget proposal.

Regent Krutsch questioned the wisdom of aggressively recruiting a new group of students when it is known that numbers of traditional-aged students again will increase in the mid-1990s. She thought the opportunity might be taken to use resources for laboratory modernization and deferred maintenance.

President Shaw did not feel that the UW System was adequately serving non-traditional students, with the exception of UW-Milwaukee, the UW Centers, and to a certain extent UW-Green Bay and UW-Parkside. These students increasingly will be returning for additional educational experiences.

Regent Nicholas asked if returning adults are being turned away at this time. Replying in the affirmative, President Shaw added that mature adults are not now actively being recruited across the System.

Given a reduction of more than 4,000 students during Enrollment Management II, Regent Gelatt asked if it would be correct to expect a reduction of approximately 200 faculty members over the same period.

Noting that such reductions are likely, President Shaw said that it will be necessary to consider every opportunity to recoup needed dollars.

Put to the vote, Resolution 5608 was adopted unanimously.

Issues of the 1990s

Adoption of document, R 5609, pp 9-12, EX B

President Shaw stated that he, the Board, and the institutions are engaged in achieving and maintaining one goal--quality. Their first public statement on the topic was made in 1986 in *Planning the Future*. The following years had shown how difficult it is to maintain quality in an era of scarce resources, particularly while also trying to continue a tradition of broad access. This year, consideration had begun of the trends and conditions that can be expected in the coming decade through the series of papers on "Issues of the Nineties."

The Principles before the Board at this meeting resulted from that work. Not intended to be all-inclusive, they provide some policies by which to guide more specific decisions on problems that are certain to arise in the future. One important policy area not included is undergraduate education, on which work is beginning.

In preparing the Principles, the effort had been to provide meaningful guidelines which are not so specific as to limit creativity in finding the best ways to solve problems.

The following statement at the beginning of the Principles is intended to encompass the values being expressed. "The University of Wisconsin System is committed to providing quality--quality in teaching, in research,

and in public service. The University of Wisconsin System is also committed to providing access—access to its quality programs, access to its resources. To ensure maximum quality and to provide access within the resources available, the University of Wisconsin System must also be efficient. However, when faced with a choice between maintaining educational quality and decreasing access to its programs and resources, the University of Wisconsin System must choose to maintain quality. For if academic programs, research, and public service are not first rate, access to the institutions will be of little value."

Adoption of the following resolution was moved by Regent Grover and seconded by Regent Gundersen:

Resolution 5609: That, upon recommendation of the President of the University of Wisconsin System, Some Principles for the 1990s be adopted to guide the Board of Regents in the development of policies for the University of Wisconsin System and its institutions in the current decade.

(A copy of the document is attached as EXHIBIT B.)

In the section titled "Academic Quality," Regent Weinstein suggested that the first paragraph be broadened to read "first quality academic programs, facilities and students."

It was agreed that such language would be added.

Gloria Toivola, President of The Association of UW Professionals, made the following comment about the Principles document:

With regard to the section titled Academic Quality, she questioned why the guidelines dealt exclusively with assessment and with no other means of enhancing quality. She commented that faculty have participated in the development of assessment instruments based on assurances that the information was to be used to guide them in improving the quality of their teaching and that it would not be used to compare students, faculty, or institutions. She was concerned about support by members of the Education Committee for use of a common instrument in systemwide competency testing. The assessment instruments being developed on the campuses are not necessarily quantitative and many use the value-added concept.

With regard to the section on Educational Costs and Resources and the section on Enrollment Management, she stated the belief that public universities have an obligation to teach all qualified residents. Specifically, she expressed the view that tuition increases have been too high, that the needs of non-traditional students are not adequately addressed, and that it might not be safe to assume the UW System will be able to keep savings from enrollment and staff reductions. She urged the Board to request what is required to meet all needs and to advocate strongly for that request.

Concerning faculty and academic staff compensation, she suggested adoption of a salary schedule with movement through the schedule based on years of meritorious service rather than tying pay increases to merit and market considerations. Another issue deserving serious consideration, she suggested, is the problem of health care cost containment.

In the section on research, she urged redefinition of the notion of a scholar, to give more emphasis to the teaching mission.

As to strategic planning, she felt the process being used tends to funnel resources to areas in which there has been a special planning initiative. Noting that many of the areas in which strategic planning has taken place have to do with specific professions, she suggested inclusion of liberal studies, undergraduate education, the campus climate, and use of academic staff.

Another area which she thought should be addressed in the document is globalization of education and meeting the challenges of a changing world situation.

In response to Dr. Toivola's comments, President Shaw first pointed out that the statement of Principles was incomplete by design in that it did not include areas covered by previous policy, as well as other areas, such as undergraduate education, which are being addressed separately. The effort was not to be all inclusive but to provide guidance in a number of important policy areas.

Agreeing that the UW System should represent its true needs, he said those needs will be set forth in the budget request. However, he also considered it necessary to confront the question of what to do if the true needs are not met.

Noting that Dr. Toivola does not favor a tuition increase, curtailing enrollment, or staff down-sizing to deal with financial problems, he pointed out that the remaining means are reallocation, which is being done on an annual basis, and general purpose revenues. He would consider it negligent not to present scenarios to be employed if all needed funds are not obtained in order to balance aspirations with resources.

On another point, he referred to a study presented to the Business and Finance Committee which showed that fringe benefits in the UW System are not a competitive problem and are comparable to those of other universities.

Regent Vos commented that it did not seem possible to achieve other goals mentioned by Dr. Toivola without enrollment management.

Regent Flores asked if faculty would be willing to absorb the shortfall if tuition were not increased and the state did not provide adequate GPR funds. With regard to assessment, he did not believe the intent of discussion in the Education Committee was to use assessment to compare institutions. There was some impatience with what was perceived as reluctance to move forward with the program since assessment had been mandated in 1986.

Having heard many of Dr. Toivola's presentations, Regent Gundersen asked if she had anything positive to say about the UW System. He took umbrage at the implication that the Board is not advocating vigorously on behalf of System needs.

Dr. Toivola replied that the Undergraduate Teaching Improvement Council has very high quality activities and that faculty already are doing much across the System to improve the quality of undergraduate education. Stating her pride in the UW System, she said the State of Wisconsin is getting an excellent return on its investment.

Regent Weinstein suggested that the document be titled *Some Principles of the 1990s*, to show that it is not intended to include all issues. President Shaw concurred with that suggestion.

In the section titled Academic Quality, Regent Davis did not want there to be an implication that assessment will be done solely to improve the quality of undergraduate instruction. The point made in the Education Committee discussion was that those who are contributing substantial dollars to the UW System should be able to get a sense of student achievement through the assessment process. He thought that function of assessment should be recognized in the Principles.

Regent President Lyon indicated that there would be ongoing response to that concern.

With regard to Regent Gundersen's point about the Board's advocacy for the UW System, Regent Davis commented that the Board is ready and willing to fight for the principles it promulgates but not for everyone's wish lists. "We want to make it clear that we are charged with running this university and we are going to fight to run it that way, in both directions."

Regent Nicholas stated his understanding of the Regent role as not only to help make the UW System as good as possible, but also to represent the citizens and taxpayers of the state. This dual role, he observed, sometimes pulls in different directions and explains the Board's difficulty in deciding some important matters.

Put to the vote, Resolution 5609 was unanimously adopted.

Introductions

President Shaw introduced two UW-Stout students: April Frelke, President of student government at UW-Stout, who is a senior majoring in psychology, and Karen Miles, a freshman majoring in dietetics, who is Ms. Frelke's mother. Ms. Miles was starting her career as a student after raising seven children and while working part time for the Northern Wisconsin Center for the Developmentally Disabled. It is a great strength of UW-Stout, he said, that both the traditional and non-traditional student can find a home there, and can thrive.

Ms. Frelke expressed pride in her mother for becoming a student and achieving a goal to which she always had aspired.

System - Officers - Introduction

~~President Shaw introduced Dr. Jennifer Presley, who was recently appointed UW System Associate Vice President for Policy Analysis and Research. Dr. Presley holds a Ph.D. Degree from Stanford and comes to Wisconsin from the University of Massachusetts Boston.~~

→ p. 13

✓ ref Presley, Jennifer - (same) -

REPORT OF THE PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Regent Gundersen, Chair, presented the Committee's report.

Consent Agenda Items

Regent Gundersen presented Resolutions 5610 to 5617 which were unanimously approved by the Committee as consent agenda items for action by the Board as a single unit.

Adoption of those resolutions was moved by Regent Gundersen and seconded by Regent Dreyfus. At the request of Regent Davis, Resolution 5617 was removed from the consent agenda. Put to the vote, Resolutions 5610 to 5616 were adopted unanimously.

✓ UW-Stout - Bldgs + Land -

UW-Stout: Approval of 1990 Campus Development Plan, R 5610, p. 13

Resolution 5610: That, upon the recommendation of the UW-Stout Chancellor and the President of the University of Wisconsin System, the 1990 Campus Development Plan, reflecting updates to the 1979 Plan and documenting physical facilities and campus boundaries, be approved.

✓ UW-Stout - Bldgs + Land - Approval of

UW-Stout: Approval to Participate in Improvement Project and Multiple Related Authorizations, R 5611, pp 13-14

Resolution 5611: That, upon the recommendation of the UW-Stout Chancellor and the President of the University of Wisconsin System, authority be granted to participate in the joint Wisconsin Department of Transportation - City of Menomonie Red Cedar Bridge and North Broadway Street (USH 12 and STH 25) Highway Improvement Project, with further approval granted for the following:

- (1) to warranty deed 0.52 acres of Board of Regent-owned property to the Wisconsin Department of Transportation for right-of-way purposes;
- (2) to grant to the Wisconsin Department of Transportation a temporary 2.27 acre limited construction easement in the described project area;

- (3) to spend up to \$110,000 of Program Revenue funds as the UW-Stout share of the total DOT/City of Menomonie Pedestrian Plaza portion of the Highway Improvement project; and
- (4) for the Chancellor to sign an agreement with the City of Menomonie under which the university will provide future maintenance associated with the green area and railings behind the curb abutting university property and of plantings associated with the pedestrian plaza.

Detailed property descriptions and copies of the deed, easement and executed maintenance agreements will be on file in the office of the Secretary of the Board of Regents.

Regent Gundersen commended the City of Menomonie, UW-Stout and the Department of Transportation for their cooperative effort in designing a project which benefited all concerned and saved costs to each entity.

✓ Bldg + Land - UW-Madison
Authorization for Use Permit to Construct a Marine Storage Facility at Stoughton's Physical Science Lab, R 5612, p. 14

✓ (Use Physical Science Lab - use permit for marine storage facility, R 5612, p. 14)
 Resolution 5612: That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, authorization be granted for the Chancellor to execute a Land Use Agreement with Muir Heights Partners for the construction of a marine storage facility on the site of the UW-Madison's Physical Sciences Laboratory in Stoughton and, upon its completion, authority to accept ownership of the structure.

✓ UW-Oshkosh - Bldg + Land -
UW-Oshkosh: Authorization for Easement to City of Oshkosh, R 5613, p. 14

Resolution 5613: That, upon the recommendation of the UW-Oshkosh Chancellor and the President of the University of Wisconsin System, authority be granted for the President or Vice President and Secretary or Assistant Secretary of the Board to grant to the City of Oshkosh an easement for a 4 foot by 114.88 foot strip of land adjacent to Woodland Avenue for relocation of a city sidewalk.

✓ UW-River Falls - Bldg + Land -
UW-River Falls: Authorization to Name Room in Hagestad Student Center, R 5614, p. 14

Resolution 5614: That, upon the recommendation of the UW-River Falls Chancellor and the President of the University of Wisconsin System, authorization be granted to name the programming area in the Hagestad Student Center "Brandy's", in honor of NASA Astronaut Captain Daniel D. Brandenstein, USN.

Bldg + Land

UW System Approval of Design Report and Authority to Construct Great Lakes Research Facility Fisheries Laboratory, R 5615, p. 15

(Xref Great Lakes Research Lab -)

Resolution 5615: That, upon the recommendation of the UW-Milwaukee Interim Chancellor and the President of the University of Wisconsin System, the Design Report be approved and authority granted to construct the Great Lakes Research Facility Fisheries Laboratory at a cost of \$600,000 from 1989-91 General Fund Supported Borrowing.

Approved to construct Fisheries Lab, R 5615, p. 15

UW System: Authority to Construct Minor Projects

Resolution 5616: That, upon the recommendation of the UW-Eau Claire, Extension, Madison and Whitewater Chancellors and the President of the University of Wisconsin System, authority be granted to construct the following minor projects, at the costs and from the funding sources indicated, which are summarized as follow:

General Fund Supported Borrowing:

-Maintenance	\$ 12,000
-Removal of Architectural Barriers	50,375
-Health and Safety	192,000
-Minor Project Funds	240,300
Institutional Funds	29,375
Program Revenues	529,000
Total	\$1,053,050

UW-Eau Claire - Bldg + Land - Approval of

Thomas and Putnam Halls Electrical Transformer/feeder Replacement project, ~~\$191,000~~, Program Revenues R 5616, p. 15

UW-Extension - Bldg + Land - Approval of

Extension Services Building Remodeling project, R 5616, \$224,750 (~~\$145,000, Minor Project Funds, \$50,375, Handicapped Access and \$29,375, Institutional Funds~~) p. 15

Bldg + Land - Approval of

UW-Madison

Tripp and Adams Halls Window Replacement project, and \$190,000, Housing Division Program Revenues Law Library Reading Room Ceiling Replacement project, \$204,000, All Agency funds (~~\$192,000 Health, Safety and Environment and \$12,000 Maintenance~~) R 5616, p. 15

UW-Whitewater - Bldg + Land - Approval of

Goodhue Hall Police Services/Residence Life Administration Remodeling project, ~~\$243,300~~ (~~\$95,300, Minor Project Funds and \$148,000, Program Revenues~~)

→ R 5616, p. 15

~~UW System: Approval of Masonry/Roof Repair and Replacement Projects~~

Resolution 5617: That, upon the recommendation of the UW-Milwaukee, UW-Platteville and UW-Whitewater Chancellors and the President of the University of Wisconsin System, approval be granted to construct the following exterior repairs and/or roof replacements on six buildings, at a total cost of \$1,030,400 (\$920,400 All-Agency Maintenance Funds and \$110,000 Program Revenues).

✓
Roof Problems -
of Approval

→ at UW-Milwaukee, UW-Platteville + UW-Whitewater, R 5617, p. 16
This project is for repairs to and/or replacements of leaking roofs on the following buildings:

Campus/Building	Age of Roof	Cost
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✓ UW-Milwaukee - Bldg + Kard - Approval of masonry/roof repairs/replacements for Mitchell Hall, R 5617, p. 16	34	\$306,000 GPR
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✓ UW-Platteville - Bldg + Kard - Approval of masonry/roof repairs/Williams Fieldhouse, R 5617, p. 16	30/11	\$187,700 GPR
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✓ UW-Whitewater - Bldg + Kard - Approval of masonry/roof repairs/Drumlin Hall, Andersen Library, Heide Hall, + Roseman Hall, R 5617, p. 16	26 39/26/20 7	\$110,000 PR \$182,300 GPR \$97,500 GPR \$147,000 GPR
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The cost identified for Mitchell Hall includes \$51,000 for replacement of 18 sheetmetal panels on the exterior walls of the building.

Regent Davis asked what is being done to prevent future problems with relatively new roofs.

Noting that there is inadequate supervision of construction by the Division of State and Facilities Management, Regent Gundersen replied that the solution is to obtain the management flexibility needed to control the quality of construction.

Regent Davis commented that, in considering ways to save money, this project is an example of a \$250,000 cost which could have been avoided if the university had the opportunity to manage its own affairs.

Put to the vote, Resolution 5617 was adopted unanimously.

✓ Charter Street Heating Plant -

~~UW-Madison: Authorization to Construct the Charter Street Heating Plant Fugitive Dust Control Project~~, R 5618, pp 16-17

Regent Gundersen summarized consideration of this matter, which had been tabled at the June meeting, relating to the construction of a Charter Street Heating Plant fugitive dust control system. At that time, the request was at the level of \$1.3 million, based on the recommendations of the consultant hired by the Division of State Facilities Management. At the

June meeting, Regent Davis had suggested that, prior to approving a project of such magnitude, it might be helpful for staff to visit some private utility company sites to see what methods they use to control fugitive dust.

These visits had been made, and after further review and discussion, a \$512,400 project, representing a portion of the consultant's recommendations, was returned to the Board for consideration. As presented, this \$512,400 project did not include the tarpaulin cover or construction of the fifteen-foot-high retaining wall around the coal storage area. Instead, several less costly measures were to be used to minimize and contain dust. The effect of these measures will be evaluated to assess their impact. The need for a retaining wall will be reconsidered if the combination of facility modifications and changed handling procedures does not produce the desired results. If it is determined that there is a need to construct a retaining wall, that request will be returned to the Board for approval. After discussion, the Committee unanimously approved Resolution 5618.

Adoption by the Board of Regents of Resolution 5618 was moved by Regent Gundersen and seconded by Regent Dreyfus.

Resolution 5618: That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, authorization be granted to construct the Charter Street Heating Plant Fugitive Dust Control project at a cost of \$512,400, All-Agency Funds - Air Quality Compliance and Fuel Conversion funds.

In response to a question by Regent Nicholas, Regent Gundersen explained the cost reduction was due to removal of the retaining wall. If the City of Madison were to address the issue in terms of cosmetics, the solution might be a screening device, rather than a wall built structurally to contain tons of coal. If the retaining wall were to be required, the cost would return to \$1.3 million but would not increase above that point.

Regent Vos commended the decision as an excellent example of finding a way to save a great deal of money, rather than simply accepting a consultant's recommendation.

Put to the vote, Resolution 5618 was adopted unanimously.

- - -

REPORT OF THE EDUCATION COMMITTEE

Regent Grover, Chair, reported for the Committee.

Consent Agenda Items

Regent Grover presented Resolutions 5619-5628, which had been unanimously approved by the Education Committee as consent agenda items for action by the Board of Regents.

At the request of Regent Krutsch, Resolution 5628 was withdrawn from the consent agenda.

It was moved by Regent Grover and seconded by Regent Flores that Resolutions 5619-5627 be adopted by the Board of Regents.

With respect to recruitment, Regent Dreyfus inquired as to the communication with candidates concerning confidentiality of their applications.

Vice Chancellor Newby replied that candidates were being asked whether or not they want their names to be kept confidential and whether they would be candidates if confidentiality could not be assured.

Put to the vote, Resolutions 5619-5627 were adopted unanimously.

✓ Academic Programs -

→ Authorization to Plan ~~the~~ M.S. in Business with a major in Distribution Management, UW-Madison, R 5619, p. 18

Resolution 5619: That, upon recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the Chancellor of the University of Wisconsin-Madison be authorized to implement the Master of Science-Business with a major in Distribution Management.

✓ Academic Programs -

→ Authorization to Plan ~~the~~ B.S. in Materials Science and Engineering, UW-Madison, R 5620, p. 15

Resolution 5620: That, upon recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the Chancellor of the University of Wisconsin-Madison be authorized to implement the B.S. in Materials Science and Engineering.

✓ Faculty -

→ Report on Faculty Recruitment/Retention Statistics and Related Reporting Requirements, R 5621, p. 18

Resolution 5621: That, upon recommendation of the President of the University of Wisconsin System, the report on Faculty Recruitment and Retention Statistics and Related State Government Reporting Requirements, required by s. 3055(1)(h), 1989 Wisconsin Act 31, be accepted for transmittal to State officials.

(x ref Legislative Reports - same)

✓ Research -

→ Report on Industrial and Economic Development Research Fund, R 5622, p. 18

Resolution 5622: That the report on projects undertaken in the UW System during fiscal year 1989-90 that were supported by Industrial and Economic Development Funds be received and approved for transmittal to the Joint Committee on Finance, in accordance with s. 36.25(25)(c), Wis. Stats.

(x ref Legislative Reports - same)

Agriculture -

Report on Integrated Agricultural Program, R 5623, p. 19

Resolution 5623: That the report on projects undertaken in the UW System during fiscal year 1989-90 that were supported by the Integrated Agriculture Program be received and approved for transmittal to the Joint Committee on Finance, in accordance with s. 36.25(27), Wis. Stats.

(Xref Legislative Reports - (same))

Data Processing -

UW-Madison divisional name change: Division of Administrative Data Processing to Division of Information Technology, R 5624, p. 19

Resolution 5624: That, upon recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, and in accordance with policy guidelines contained in ACIS 1, the request of the Chancellor that the Division of Administrative Data Processing be renamed the Division of Information Technology, University of Wisconsin-Madison, be approved.

(Xref Information Technology - (New) (same))

Authorizations to Recruit -

Authorization to Recruit, Dean, Medical School, UW-Madison, R 5625, p. 19

Resolution 5625: That, upon recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the Chancellor be authorized to recruit for a Dean of the Medical School, University of Wisconsin-Madison.

Authorizations to Recruit -

Authorization to Recruit, Dean, School of Pharmacy, UW-Madison, R 5626, p. 19

Resolution 5626: That, upon recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the Chancellor be authorized to recruit for a Dean of the School of Pharmacy, University of Wisconsin-Madison.

Authorizations to Recruit -

Authorization to Recruit, Associate Professor or Professor, Wisconsin Prevention Center, Medical School, UW-Madison (recommended salary range exceeds the Executive Salary Group 6 maximum), R 5627, p. 19

Resolution 5627: That, upon recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the Chancellor be authorized to recruit for an Associate Professor or Professor, Wisconsin Prevention Center, Medical School, University of Wisconsin-Madison, at a recommended salary range (A\$80,000-A\$120,000) the top of which exceeds the Executive Salary Group 6 maximum.

✓
Authorizations to Recruit -

Authorization to recruit Dean of Information Technology, UW-Madison

R 5628, p. 20

Adoption of Resolution 5628 was moved by Regent Weinstein and seconded by Regent Vos.

✓
(ref) Information Technology - (same)

Resolution 5628: That, upon recommendation of the Chancellor of the University of Wisconsin-Madison and the President of the University of Wisconsin System, the Chancellor be authorized to recruit for a Dean of Information Technology, University of Wisconsin-Madison.

Regent Gelatt asked if this was to be an academic or non-academic appointment.

Replying that it could be either, Chancellor Shalala explained that the candidate might or might not seek a tenured appointment. The position is a full-time administrative position with no academic responsibilities. Some of those in similar positions at other major universities simultaneously hold tenured appointments in such areas as Computer Science.

Regent Gelatt asked if there were precedent for the title Dean being used for a non-academic position, and Chancellor Shalala replied in the affirmative.

Put to the vote, Resolution 5628 was unanimously adopted.

Report of the Acting Vice President

In his report to the Committee, Acting Vice President Beaver announced a series of six workshops for high school counselors, being conducted by the UW System in cooperation with DPI and ACT.

He further announced delay in submitting a proposal to the National Science Foundation for changes in the teaching of mathematics, science and technology.

✓ UW-Stout

UW-Stout Presentation to Education Comm., p. 20

UW-Stout made a presentation to the Education Committee on "Opportunities for Excellence--A Professional Staff/Student Partnership." The presentation was made by Interim Vice Chancellor Ed Biggestaff.

Regent Weinstein inquired about agreements which provide for confidentiality in proprietary research and how policies vary among institutions. He raised the question as to whether such research should be done at public expense and requested that a report be developed and presented to the Education Committee at a future meeting.

✓ Strategic Planning -

Report on Strategic Planning for Teacher Education, R 5629, p. 21 + EX C

Presenting this report, President Shaw noted the purpose of strategic planning is to arrive at an overall view of what is needed in specific curricular areas from a systemwide perspective.

✓ (ref) Teacher Education - (Same)

At the initial review in September, a number of concerns were voiced, which were addressed in the document before the Regents at this meeting. One change was the recommendation that integrated courses be developed which combine mathematics with sciences, social sciences or other unified offerings for elementary teachers. President Shaw agreed to provide the Education Committee in the summer of 1991 with an interim progress report on the development of the integrated courses. The concern expressed about salaries for faculty in the schools of education will be studied.

Following amendment, the Committee unanimously approved Resolution 5629.

Upon motion by Regent Grover, seconded by Regent Davis, the following resolution was adopted unanimously by the Board of Regents:

Resolution 5629: That, upon recommendation of the President of the University of Wisconsin System, the UWS Administration recommendations on Strategic Planning for Teacher Education in the University of Wisconsin System, as amended, be adopted as strategic planning guidelines for the period October 1990 to October 1995 for UW System institutions and their education colleges, schools and divisions.

(A copy of the amended planning guidelines is attached as EXHIBIT C.)

✓ Undergraduate Education -

Report on Systemwide Initiatives in Undergraduate Education, p. 21

It was reported by Regent Grover that the Committee received a Report on Systemwide Initiatives in Undergraduate Education. Regent Weinstein suggested that the quality of undergraduate education should be evaluated in light of three variables: the quality of instruction, the quality of the students, and the quality of the facilities required.

✓ Testing Program -

Progress Report on Verbal and Quantitative Proficiency Skills Assessment by Institutions of the UW System, p. 21

A progress report was presented to the Education Committee on verbal and quantitative proficiency skills assessment by institutions of the UW System.

Regents expressed reservations over the development of 14 different levels and standards of proficiency in the UW System and asked why external, readily understood benchmarks could not be formulated for the System as a whole--a basic "taxpayer friendly" competency test for the System.

Regent Davis questioned whether the risks of one test for the System were not outweighed by the need for some systemwide uniform view of assessment that people outside the System can use to make rational, informed judgments about the institutions.

Concluding the discussion, it was agreed that President Shaw would present to the Committee an alternate proposal for its consideration on how a minimum standard measure could be developed for the UW System, were that to become the wish of the Board. President Shaw stated that in the next several months, he would present information on available tests which could be used as measures of sophomore-level competency in the basic fundamental skills.

✓ Teaching Assistants

→ Report on Use of Teaching Assistants at the Doctoral Institutions, p. 22

Regent Grover reported that the Committee was presented with a Report on Use of Teaching Assistants at the Doctoral Institutions. This report was prepared by Regent staff at the request of the Committee.

Regents asked that Acting Vice President Beaver prepare a follow-up study of the policy issues identified in the report. They also asked that the statistical data break out instructional academic staff from faculty in the analysis of teaching responsibilities.

- - -

REPORT OF THE BUSINESS AND FINANCE COMMITTEE

✓ Regents - Audit Subcommittee
Regent Gelatt presented the Committee's report.
→ Report of the Audit Subcommittee, p. 22

The subcommittee reviewed the quarterly audit report prepared by Audit Director Brunkow. There were no significant findings in recently completed audits. The subcommittee stressed the importance of follow-up on audit recommendations.

Concern was expressed about the current staffing level of the Internal Audit Department, since a significant fraction of the staff cannot be replaced under current DOA rules. The subcommittee asked System Administration to make a recommendation for responding to that situation.

-

Consent Agenda Items

Regent Gelatt presented Resolutions 5630 to 5633, which were approved unanimously by the Business and Finance Committee, as consent agenda items for action by the Board as a single unit. It was moved by Regent Gelatt and seconded by Regent Dreyfus that the following resolutions be adopted by the Board of Regents.

With regard to the list of gifts, grants and contracts (Resolution 5630), Regent Gelatt pointed out that the decline in student aid resulted from a change in the federal authorization methodology for Pell Grants. The effect of this change by year-end was expected to be minimal. Secondly, the \$1 million overstatement of an award to UW-Whitewater on the September report had been corrected this month.

Put to the vote, Resolutions 5630 to 5633 were adopted, with Regent Davis abstaining from the vote on Resolution 5630.

Approval of Gifts, Grants and Contracts

Resolution 5630: That, upon recommendation of the President of the University of Wisconsin System, the gifts, grants and contracts presented at this meeting be accepted, approved, ratified and confirmed (copy on file with the papers of this meeting); and that, where signature authority has not been previously delegated, appropriate officers be authorized to sign agreements.

✓ Endowments - Policy on

→ Quasi-Endowments over \$50,000, R 5631, p. 23

Resolution 5631: That, upon recommendation of the President of the University of Wisconsin System, all new quasi-endowments greater than \$50,000 be identified as designated endowments, with only the income from the trust available for expenditure in accordance with the terms of the trust agreement. If a university wants an exception to this proposed rule, the request for exception, with appropriate justification, should be contained in the university's recommendation for acceptance and be incorporated in the Regent resolution. If at a later date, the university wishes to seek an exception to the regent imposed restriction, it should submit a request to the Office of the Vice President of Business and Finance for consideration at the next meeting of the Business and Finance Committee.

✓ (x ref Polier's -
(same))

✓ Faculty -
→ Report on 1989-90 Faculty Fringe Benefits, R 5632, p. 23

Resolution 5632: That, upon the recommendation of the President of the University of Wisconsin System, the Report on 1989 Faculty Fringe Benefits Required by s. 3055(1)(h)6, 1989 Wisconsin Act 31 be accepted for transmittal to state officials.

✓ (x ref Legislative Reports -
(same))

✓ Faculty -
→ Report on Cost of Living Adjustments of Faculty Salaries, R 5633, p. 23

Resolution 5633: That, upon the recommendation of the President of the University of Wisconsin System, the Study of Cost of Living Adjustment of Faculty Salaries, required by 1989 Wisconsin Act 31, s. 3055(1)(h)5, be accepted for transmittal to State officials.

✓ (x ref Legislative Reports -
(same))

✓ Audit, Class -

Class Audit Policy, R5634, pp 24-27

Regent Gelatt summarized Committee discussion of the proposed policy, noting first that the Regents initially had been asked to review audit policy at the February 1990 meeting due to a large increase in non-resident senior citizens auditing classes at UW-Madison during the summer. Action was deferred at that time to allow further consideration. The proposed policy would provide that audit-only registrants be assessed one-half of the credit charge, including one-half of the non-resident tuition for out-of-state auditors. There would be two exceptions: no charge for Wisconsin residents who receive federal disability benefits; and no charge for Wisconsin residents age 62 and older.

✓
(xref) Policies - (same)
For degree-seeking students of all ages and without respect to disability, the full per-credit charge would be assessed, unless the combined total of degree and audit credits is within the fee plateau. There would be two exceptions to that policy. For any degree seeking student, the Chancellor could permit an assessment of one-half the credit charge if it could be demonstrated that the course being audited is not related to completion of the student's degree program. Secondly, for Wisconsin residents age 62 and older or receiving federal disability benefits, the Chancellor could waive the full course fee, if it could be demonstrated that the course being audited is not related to completion of the student's degree program.

The proposed resolution continued the current statement of terms and conditions to which audit-only enrollers are subject, but stated that degree-seeking auditors are subject to the academic policy of the institution.

The Chair recommended that the policy be made age neutral but was unsuccessful in persuading the Committee to support that position. The Committee voted 2-1 to approve the proposed policy, with Regent Gelatt voting in the negative.

It was moved by Regent Vos and seconded by Regent Nicholas that the following resolution be adopted by the Board of Regents:

Resolution 5634: That, upon the recommendation of the President of the University of Wisconsin System, the policy pertaining to fee charges for class auditing be approved and that Resolution 504, adopted June 8, 1973, Resolution 3006, adopted March 9, 1984, and that portion of Resolution 1061 adopted August 15, 1975 dealing with auditors are hereby rescinded.

While he was comfortable with the charge to out-of-state residents, Regent Weinstein did not favor using age 62 as an arbitrary cut-off point, since to do so seemed to assume that all people over 62 are in the same economic circumstance. He was told the policy would be revenue neutral if out-of-state auditors were charged one-half the non-resident tuition and all in-state auditors were charged nothing, assuming that the number of auditors remained the same. An audit student, he noted, is one who occupies a chair that otherwise would be empty.

Regent Weinstein moved to amend the policy so that there would be no charge to in-state auditors of any age. The motion was seconded by Regent Grover.

Regent Flores predicted that free auditing privileges for residents of all ages would mean a substantial increase in the number of auditors. He inquired as to the marginal cost of serving those auditors.

Replying that the cost has not been precisely estimated, President Shaw added that numbers of non-resident auditors could be expected to decrease substantially under the proposed policy.

Regent Gelatt observed that, for enrollment management purposes, auditors are counted if they pay a fee, but are not counted if they do not, which indicates that the cost has not been decided. At a time when enrollments are limited because the UW System cannot afford to educate all degree-seeking students, he considered it inappropriate to make a gift of free auditing privileges to a special segment of the population whose need may be less than the need of the degree-seeking students.

Regent Krutsch inquired as to the rationale for the existing policy of having auditors pay one-half the normal fee.

President Shaw replied that there is some cost that accrues to the universities as a result of having auditors, such as registration, advising, and some faculty time.

In reply to a question by Regent Davis, Associate Vice President Marnocha indicated that one-half the per-credit charges at UW-Madison for residents is \$39.25 and \$137 for non-residents.

- Vice President Nicholas presiding -

Regent Lyon stated that he did not consider it fair to allow people to audit courses for no charge while at the same time increasing the tuition of students enrolled for credit.

- President Lyon presiding -

Stating his support for the proposal approved by the Business and Finance Committee, Regent Nicholas said he did not favor the loss of revenue that would result from free auditing for all residents. Free auditing for senior residents, he observed, created good will, is supported by the Chancellors, and costs very little.

Regent Vos suggested charging a small processing fee for auditors in order to keep the policy revenue-neutral. Secondly, he thought it would be helpful in attracting non-traditional students if they could find out what a class is like by auditing for a small fee.

Regent Weinstein commented that a charge of \$400 for a three-credit course would deter non-residents from auditing.

Regent Flores remarked that a person could sign up to audit a course at no charge and then have use of the library, gymnasium, and other facilities.

Chancellor Shalala noted that UW-Madison's request had been only to levy a charge to cover the cost of out-of-state senior citizens. She supported the System Administration recommendation as approved by the Business and Finance Committee, assuming that everyone could be charged segregated fees for facility use.

President Shaw felt the first priority should be to approve a policy dealing with the question of out-of-state auditors; that the second priority should be to have a policy that is easy to administer; and the third should be to avoid reducing income, since the money would then have to be derived from overall student tuition. If state residents 62 and over were not charged a fee, revenues under the proposed policy would stay about the same, since not many out-of-state residents would pay the higher fee. If state-resident seniors were charged a fee, there would be some gain in revenue.

In response to a question by Regent Weinstein, Chancellor Shalala said she was not convinced that a \$400 fee would deter out-of-state auditors, most of whom were from Florida where living costs are higher. The proposed fee would not be out of line with what other universities are charging.

Regent Weinstein asked how the Chancellor felt about different treatment in charges for those over and under age 62.

Chancellor Shalala replied that she had some of the same concerns as Regent Grover had expressed in terms of equality of treatment, but she also felt Wisconsin taxpayers should have some special privileges.

Regent Vos commented that auditors using student-funded facilities should help pay the bill.

Regent Grover stated his support for the amendment on the basis that he did not believe people should be treated differently on the basis of age.

The question was put on the amendment, and it was adopted with Regents Lyon and Nicholas voting "No."

Regent Vos moved to amend the policy by requiring any student who audits a course to pay the segregated fee. The motion was seconded by Regents Flores and Weinstein.

In response to a question by Regent Vos, Chancellor Shalala said current rules allow charging any proportion of segregated fees, at the institution's discretion. She thought the Board would leave it to the discretion of the Chancellors as to what proportion of segregated fees to charge auditors.

While he supported the concept of charging segregated fees, Regent Davis thought the Chancellors should have the flexibility to make decisions on that matter in accordance with the needs of their institutions. If facilities are being used at some cost by auditors, the Chancellors should move to address that issue.

Regent Vos said the intent of his amendment was to make it mandatory that such costs be recovered.

Interim Chancellor Schroeder said it is important to have specific empowerment to charge segregated fees, since UW-Milwaukee did not have the tradition of doing that.

Regent Krutsch commented that to charge only the segregated fee could result in people signing up to audit courses, not because they are interested in auditing, but in order to use the extensive university facilities, which would be a bargain at that cost. She thought it would be preferable to have auditors pay one half the per-credit tuition, regardless of age.

Put to a roll-call vote, the amendment was adopted, with Regents Doughty Luckhardt, Dreyfus, Flores, Grover, Gundersen, Lyon, Vos and Weinstein voting "Aye" (8) and Regents Davis, Gelatt, Hassett, Krutsch and Nicholas voting "No" (5).

Regent Krutsch moved to amend the policy to require all Wisconsin residents, regardless of age, to pay one half the per credit fee. The motion failed for lack of a second.

The question was put on the main motion, and it was adopted with Regents Krutsch, Lyon and Nicholas voting "No."

✓ Budget -
→ Year-End Financial Report, p. 27

Regent Gelatt reported on review by the Business and Finance Committee of the year-end financial report, which was presented on a cash basis, as reconciled to the state's records. The official year-end financial report will be prepared on the accrual basis and be published at the beginning of the next year.

It was noted by Vice President Poellnitz that \$8.7 million of GPR funding lapsed to the state, 97.5 percent of which could not have been reallocated to other purposes. The report also showed the following: first, no fund was overspent; second, institutions expended 99.5 percent of their GPO budgets and carried forward \$3.6 million, or 0.5 percent, to meet programmatic and equipment needs; third, excluding fringe benefits, 98.5 percent of GPR funding for aid to minorities and disadvantaged students was expended; fourth, \$6.7 million of academic fees was carried forward to be utilized to lessen the impact of the second phase of enrollment management on the academic fee structure; fifth, any negative cash balance in program revenue funds was more than offset by investment balances or accounts receivable; and sixth, the uncommitted reserve for revenue shortfall and other contingencies is \$600,000.

✓ Budget -
→ Biennial Report on 1989-91 Reallocations, pp 27-28

Presenting this report to the Committee, Associate Vice President Sell outlined the management tools and reallocation approaches used by the institutions to ensure efficient use of base resources. The report showed

that the UW System does not engage in incremental budgeting and that institutions engage in ongoing prioritization of their base budgets and in productivity improvement efforts. These reallocation approaches and unfunded needs represent about ten percent of the institutions' GPR/fee base.

✓
UW-Stout

ADDITIONAL RESOLUTION



~~Resolution of Appreciation to UW Stout~~
for hosting meetings, R 5635, p 28

Regent Gelatt presented the following resolution, which was adopted by acclamation:

Resolution 5635: Whereas, the Board of Regents is very pleased to have been invited to hold our October 1990 meetings at UW-Stout; and

Whereas, it is especially appropriate and gratifying to gather here during UW-Stout's Centennial Year and to participate in celebrating the 100th Anniversary of this special and unique institution; and

Whereas, UW-Stout's distinctive attributes and role in the UW System have been highlighted by the interesting and informative laboratory tours which were conducted and by the presentations made to the Regents on the campus development plan, professional staff/student partnerships and UW-Stout distinguished alumni; and

Whereas, we greatly appreciate the warm welcome and gracious hospitality extended to us by UW-Stout and the community of Menomonie;

Therefore, Be it Resolved that the Board of Regents hereby expresses our gratitude to Chancellor and Mrs. Sorensen and to all those involved in making this visit a truly memorable and enjoyable occasion.

At 11:25 a.m., the following resolution, moved by Regent Nicholas, was unanimously adopted on a roll call vote, with Regents Davis, Doughty Luckhardt, Dreyfus, Flores, Gelatt, Gundersen, Hassett, Krutsch, Lyon, Nicholas, Schilling, Vos and Weinstein voting "Aye" (13), and no Regents voting "No."

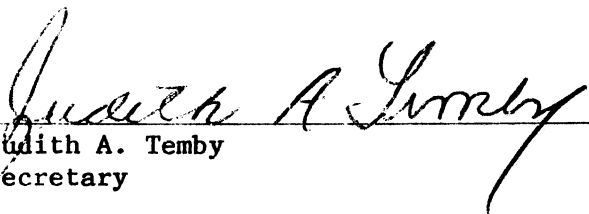
Resolution 5636: That the Board of Regents recess into closed session to consider personnel matters, including annual evaluations, as permitted by s. 19.85(1)(c), *Wis. Stats.*; and to confer with legal counsel, as permitted by s. 19.85(1)(g), *Wis. Stats.*

- - -

The Board arose from closed session at 1:05 p.m., with no actions having been taken.

- - -

The meeting was adjourned at 1:05 p.m.



Judith A. Temby
Secretary

October 31, 1990

0178X

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

GIFT-IN-KIND

1. MEMOREX TELEX
TULSA, OK
MEMOREX TELEX SYSTEM 3 COMPUTER
MSN L&S SCHOOL OF MUSIC
2. WARD BRODT MUSIC COMPANY
MADISON, WI
VARIOUS MUSICAL INSTRUMENTS
MSN L&S SCHOOL OF MUSIC
3. NATHAN SMITH, M.D.
SEATTLE, WASHINGTON
EIGHT MEDICAL BOOKS
MSN HS-MED PEDIATRICS
4. APPLE COMPUTER, INC.
CUPERTINO, CA
COMPUTER EQUIPMENT FOR THE HYPERMEDIA AUDITORY
KNOWLEDGE BASE PROJECT
MSN HS-MED NEUROPHYSIOLOGY
5. IBM
HOPEWELL JUNCTION, NY
PLASMA DEPOSITION SYSTEM
MSN ENGR ENGR EXPER STA THIN-FILMS
6. TANDEM COMPUTERS INC.
CUPERTINO, CA
8 PROC. CLX 700 COMPUTERS WITH ASSOCIATED SOFTWARE
AND MAINTENANCE
MSN L&S COMPUTER SCI
7. LEO M. WALSH
MADISON, WI
1 BOUND VOLUME-ENVIRONMENTAL QUALITY
2 BOUND VOLUMES-AGRONOMY JOURNAL
4 BOUND VOLUMES-SOIL SCIENCE SOCIETY OF AMERICA
MSN AG&LSC INTL AG PRGS-ADM
8. MSDAGVET, DIVISION OF MERCK & CO. INC.
RAHWAY, NEW JERSEY
VARIOUS DOSAGES OF FARM ANIMAL PRODUCTS FOR USE IN
THE SCHOOL'S LARGE AND SMALL ANIMAL CLINICS
MSN VET M ADM-DEAN'S OFFIC DEAN'S OFF

INSTRUCTION

1. BRACKENRIDGE HOSPITAL
AUSTIN, TX
CONTRACT AFFILIATION AGREEMENT FOR
STUDENT INTERNSHIPS
MSN EDUC THERAPEUTIC SCI THERAP SCI
2. PREMANENTE MEDICAL GROUP, INC.
OAKLAND, CA
CONTRACT AFFILIATION AGREEMENT FOR
STUDENT INTERNSHIPS
MSN EDUC THERAPEUTIC SCI THERAP SCI

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

- | | | | |
|----|---|--------------|------------|
| 3. | PHYSICAL THERAPY RESOURCES, INC.
FT. LAUDERDALE, FL
CONTRACT AFFILIATION AGREEMENT FOR STUDENT
INTERNSHIPS
MSN EDUC THERAPEUTIC SCI THERAP SCI | | |
| 4. | UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
MEYER, O.--CLINICAL TEACHING
MSN HS-MED MEDICINE | (TRUST) | 5,641.00 |
| 5. | EDUCATION, DEPT OF
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING: | | |
| 1) | UPWARD BOUND PROGRAM
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # PO47A90493-90
MSN EDUC WIS CTR EDUC RES | (144-BR55) | 149,800.00 |
| 2) | NATIONAL RESOURCE CENTER PROGRAM
SOUTH ASIAN AREA STUDIES
FOR THE PERIOD 08-15-90 THROUGH 08-14-91
AWARD # PO15A80009-90
MSN L&S STUDIES PROGRAMS S A ST CTR | (144-BU19) | 125,486.00 |
| 3) | HEALTH AND LONG TERM CARE, PROVIDING INDIVIDUAL
REPRESENTATION AND GROUP ADVOCACY ON LEGAL ISSUES
AFFECTING PERSONS WITH AIDS
FOR THE PERIOD 08-27-90 THROUGH 08-26-91
AWARD # PO97A00023
MSN LAW LAW SCHOOL | (144-BU34) | 99,937.00 |
| 4) | TRAINING AUDIOLOGISTS AND SPEECH-LANGUAGE
PATHOLOGISTS TO WORK WITH HEARING-IMPAIRED
CHILDREN
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # HO29B00085
MSN L&S COMMUN DISORDERS | (144-BU36) | 76,282.00 |
| 5) | EDUCATIONAL LEADERSHIP PREPARATION PROGRAM
IN SEVERE COMMUNICATION/BEHAVIOR DISORDERS
AND AUTISM
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # HO29D90105-90
MSN EDUC WIS CTR EDUC RES | (144-BU54) | 87,097.00 |
| 6) | DOCTORAL PROGRAM IN CURRICULUM AND INSTRUCTION,
WITH FOCUS ON BILINGUAL EDUCATION AND THE
EDUCATION OF LEP STUDENTS
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # TO03TO0016
MSN EDUC CURRIC & INSTR | (144-BW29) | 17,843.00 |
| 6. | DHHS, OFFICE OF HUMAN DEVELOPMENT SERVICES
WASHINGTON, DC
CHILD WELFARE TRAINEESHIPS
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # O5CT2078-01
MSN L&S SOCIAL WORK | (144-BW31) | 25,000.00 |

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

7. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
ROCKVILLE, MD
IN SUPPORT OF THE FOLLOWING:
- 1) CLINICAL AND RESEARCH TRAINING IN
CHILD PSYCHOPHARMACOLOGY
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 1 TO1 MH19103-01A2
MSN HS-PSY PSYCHIATRIC INST (144-BR45) 87,898.00
 - 2) PRIMARY CARE SUBSTANCE ABUSE CLINICAL TRAINING
PROJECT
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 5 TO1 AAO7488-02
MSN HS-MED FAM MED & PRACT RESRCH DIV (144-BU40) 148,457.00
 - 3) RURAL SOUTH CENTRAL WISCONSIN PERINATAL ADDICTION
ABUSE PROJECT
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 5 H86 SPO1641-02
MSN OUTRCH CE-HLTH SV HLTH&H ISS (144-BW26) 341,731.00
8. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD
IN SUPPORT OF THE FOLLOWING:
- 1) GRADUATE TRAINING IN CELLULAR AND
MOLECULAR BIOLOGY
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AT A TOTAL COST OF \$923,691.00
AWARD # 2 T32 GMO7215-16, MOD. 1
MSN GRAD INST MOL VIR INST MOL V (144-BQ13) 19,653.00
 - 2) NEUROSCIENCES TRAINING PROGRAM
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AT A TOTAL COST OF \$172,140.00
AWARD # 5 T32 GMO7507-13, MOD. 1
MSN HS-MED NEUROSCIENCE (144-BQ53) 21,743.00
9. MULTIPLE DONORS
INSTRUCTION AND TRAINING OF HOUSE STAFF PHYSICIANS
AT THE UNIVERSITY OF WISCONSIN MEDICAL CENTER
MSN HS-MED PEDIATRICS (133-C437) 157.50
10. MILWAUKEE (CITY OF)
MILWAUKEE, WI
INTERNSHIP AGREEMENT FOR THE PERIOD 05-29-90
THRU 08-31-90
MSN L&S PUBL POL&ADM RES (133-RO65) 125.00
11. FILENE RESEARCH INSTITUTE
MADISON, WI
THE EVOLUTIONARY DEVELOPMENT OF CREDIT UNIONS
MSN BUS SCH OF BUSINESS (133-R247) 30,401.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

- | | | |
|-----|---|----------|
| 12. | UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
DEVELOPMENT OF ASIAN ART SLIDE COLLECTION
MSN L&S ART HISTORY SLIDE COLL (133-R306) | 3,000.00 |
| 13. | SIERRA CLUB
ANNAPOLIS, MD
SOLOMON INTERNSHIP
MSN L&S PUBL POL&ADM RES (133-R318) | 600.00 |

LIBRARIES

- | | | |
|----|---|------------|
| 1. | UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
LIBRARY SUPPORT
MSN LIBR ADMINISTRATION (133-Q156) | 5,000.00 |
| 2. | WISC DEPT OF PUBLIC INSTRUCTION
MADISON, WI
COOPERATIVE CHILDREN'S BOOK CENTER SUPPORT
FOR THE PERIOD 07-01-90 THRU 06-30-91
MSN EDUC C C B C (133-Q922) | 37,750.00 |
| 3. | MULTIPLE DONORS
JOHN M. ANTES MEMORIAL COLLECTION AWARD
MSN EDUC INSTR MATER CTR (133-R273) | 89.00 |
| 4. | UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
DEFRAY COST OF ACQUIRING BOOKS FOR A GRADUATE
READING ROOM IN POLITICAL SCIENCE
MSN L&S POLITICAL SCI (133-7326) | 1,000.00 |
| 5. | WISCONSIN DEPARTMENT OF PUBLIC INSTRUCTION
MADISON, WI
WISCONSIN INTERLIBRARY SERVICES (WILS)
MSN LIBR WIS INTRLIB SVCS (133-8791) | 136,450.00 |

MISCELLANEOUS

- | | | |
|----|--|-----------|
| 1. | UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SUPPORT FOR GENERAL OPERATIONS -ATHLETICS
(193 A-42-0102)
MSN ATH GENERAL OPERATNS ADMIN | 27,609.21 |
| 2. | UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SUPPORT FOR GENERAL OPERATIONS - ATHLETICS
(193 A-42-3500)
MSN ATH GENERAL OPERATNS ADMIN | 925.00 |
| 3. | UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SUPPORT FOR GENERAL OPERATIONS - ATHLETICS
(193 A-42-8000)
MSN ATH GENERAL OPERATNS ADMIN | 1,000.00 |

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

4.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPORT FOR GENERAL OPERATIONS - ATHLETICS (193 A-42-0102) MSN ATH GENERAL OPERATNS ADMIN		3,867.00
5.	CONTINENTAL BANK SCHULTE, HELEN D. TRUST CHICAGO, IL SCHULTE, HELEN DENNE--LOAN FUND MSN HS-NUR	(TRUST)	12,827.89
6.	COMPUTER SCIENCES DEPARTMENT FELLOWSHIP #2 MSN L&S COMPUTER SCI	(TRUST)	
	15,700.00 AT & T FOUNDATION HOLMDEL, NJ		
	20,860.00 INTERNATIONAL BUSINESS MACHINES SOUTHBURY, CT		36,560.00
7.	MURPHY, JOSEPH & CAROL ALABASTER, AL MURPHY, Q. R.--LECTURESHIP IN PHYSIOLOGY MSN HS-MED PHYSIOLOGY	(TRUST)	1,000.00
8.	WISCONSIN INNOVARIUM WAUWATOSA, WI MEDICAL PHYSICS DEPARTMENT RESEARCH FUND MSN HS-MED MEDICAL PHYSICS	(TRUST)	60,000.00-
9.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CURTI, MERLE-ENDOROWED CHAIR IN HISTORY MSN L&S HISTORY	(TRUST)	200.00
10.	VALLEY NATIONAL BANK OF ARIZONA LEACH, FREDERICK L. ESTATE COLOR ACQUISITIONS MSN L&S ELVJM MUSEUM ART	(TRUST)	5.76
11.	EQUITABLE LIFE ASSURANCE SOCIETY ROWE, HARRY SAN FRANCISCO, CA UW-MADISON LEADERSHIP TRUST MSN G SERV FELLOWS & SCHOLS	(TRUST)	70.11
12.	AGENCY FOR INTERNATIONAL DEVELOPMENT EAST LANSING, MI SPECIALLY DESIGNED PROGRAM FOR 7 TRAINEES FROM GUATEMALA FOR THE PERIOD 07-22-90 THROUGH 08-04-90 AWARD # CK# 0586922 MSN AG&LSC LAND TENURE CTR	(144-BU82)	6,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

- | | | |
|-----|---|------------|
| 13. | EDUCATION, DEPT OF
WASHINGTON, DC
DEVELOP AND IMPLEMENT AN ABILITY-BASED
ASSESSMENT PROGRAM IN MEDICAL EDUCATION
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # P116B90111-90
MSN HS-MED ACAD AFFAIRS EDUC R & D (144-BW30) | 85,839.00 |
| 14. | DHHS, PHS, CENTER FOR DISEASE CONTROL
ATLANTA, GA
INTERGOVERNMENTAL PERSONNEL ASSIGNMENT AGREEMENT
FOR THE PERIOD 08-27-90 THROUGH 12-31-90
AWARD # AGR DTD 08-08-90
MSN L&S HISTORY OF SCI (144-BW17) | 26,319.66 |
| 15. | DHHS, PHS, HEALTH RESOURCES AND SERVICES ADMIN
ROCKVILLE, MD
ESTABLISHMENT OF DEPARTMENT OF FAMILY
MEDICINE
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 5 D32 PE15042-02
MSN HS-MED FAM MED & PRACT (144-BU69) | 140,400.00 |
| 16. | ENERGY, DEPT OF
IDAHO FALLS, ID
UNIVERSITY REACTOR INSTRUMENTATION PROGRAM
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # DE-FGO7-90ER12985
MSN ENGR NUC ENGR&E PHYSC (144-BW47) | 27,312.00 |
| 17. | NASA, AMES RESEARCH CENTER
MOFFETT FIELD, CA
OPERATION AND MAINTENANCE OF A SQUIRREL MONKEY
COLONY TO BREED NASA FLIGHT QUALITY
MALE SQUIRREL MONKEYS
FOR THE PERIOD 12-13-88 THROUGH 10-31-90
AT A TOTAL COST OF \$441,200.00
AWARD # NAS2-12939, MOD. 6
MSN L&S PSYCHOLOGY PRIMATE LB (144-AT26) | 102,000.00 |
| 18. | NASA, HEADQUARTERS
WASHINGTON, DC
SYMPOSIA DEVOTED TO INNOVATIVE METHODS IN
MICROSCOPY IN THE BIOLOGICAL SCIENCES
FOR THE PERIOD 07-01-90 THROUGH 08-31-90
AWARD # OP #W-17,477
MSN L&S ZOOLOGY (144-BW42) | 5,000.00 |
| 19. | VETERANS ADMIN
MADISON, WI
RADIOTHERAPY SERVICES
FOR THE PERIOD 10-01-90 THROUGH 09-30-91
AWARD # V607P-1774
MSN HS-MED HUMAN ONCOLOGY RAD THERAP (144-BW14) | 128,194.00 |

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

20.	UNIVERSITY PEDIATRIC ASSOCIATES MADISON, WI DEPARTMENT OF PEDIATRICS CHAIRMAN'S DISCRETIONARY FUND MSN HS-MED PEDIATRICS	(133-A528)	51,669.34
21.	ELSEVIER NORTH-HOLLAND INC. NEW YORK, NY DEFRAY SECRETARIAL, POSTAGE, TELEPHONE AND SUPPLIES EXPENSES ASSOCIATED WITH THE "LINEAR ALGEBRA AND ITS APPLICATIONS JOURNAL" MSN L&S MATHEMATICS	(133-A751)	856.66
22.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEFRAY SALARY OF EXECUTIVE DIRECTOR OF WISCONSIN LAW ALUMNI ASSOCIATION MSN LAW LAW SCHOOL	(133-A829)	12,357.00
23.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI HERBARIUM EXPENSES MSN L&S BOTANY	(133-B291)	3,000.00
24.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MECHANICAL ENGINEERING DISCRETIONARY ACCOUNT MSN ENGR MECHANICAL ENGR MECH ENGR	(133-B430)	25,000.00
25.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SALARY SUPPORT FOR FRIENDS OF THE ARBORETUM COORDINATOR MSN GRAD ARBORETUM	(133-B663)	9,680.00
26.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LAW SCHOOL DEAN'S DISCRETIONARY FUND MSN LAW LAW SCHOOL	(133-D057)	61,480.00
27.	UNIVERSITY CLUB MADISON, WI DEFRAY PORTION OF SALARY OF UNIVERSITY CLUB FACILITIES COORDINATOR MSN G E A SECY OF THE FAC	(133-D503)	1,203.77
28.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ARTS OUTREACH MSN ODEL P SV-ARTS	(133-D560)	12,213.20
29.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH AND INSTRUCTION IN THE COMPUTER SCIENCES DEPARTMENT MSN L&S COMPUTER SCI	(133-D865)	13,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

30.	UNIVERSITY PSYCHIATRY GROUP MADISON, WI CLERICAL SUPPORT IN THE DEPARTMENT OF PSYCHIATRY MSN HS-MED PSYCHIATRY	(133-D957)	17,200.00
31.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI ADMINISTRATIVE AND CLERICAL SUPPORT STAFF IN THE DEPARTMENT OF NEUROLOGY MSN HS-MED NEUROLOGY	(133-E647)	2,973.99
32.	UNIVERSITY ONCOLOGY ASSOCIATES MADISON, WI SUPPORT ADMINISTRATIVE AND CLERICAL SUPPORT STAFF IN THE DEPARTMENT OF HUMAN ONCOLOGY MSN HS-MED HUMAN ONCOLOGY	(133-E649)	5,000.00
33.	WISCONSIN FORAGE COUNCIL, INC. MADISON, WI AFFILIATED ORGANIZATION SUPPORT MSN AG&LSC AGRONOMY	(133-E980)	5,000.00
34.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MARKETING DEVELOPMENT MSN BUS SCH OF BUSINESS	(133-F512)	10,300.00
35.	FAMILY PRACTICE PROFESSIONAL ASSOCIATES MADISON, WI DISCRETIONARY ACCOUNT FOR THE SUPPORT OF THE NORTHEAST FAMILY MEDICAL CENTER MSN HS-MED FAM MED & PRACT CL-NE MSN	(133-F816)	750.00
36.	FAMILY PRACTICE PROFESSIONAL ASSOCIATES MADISON, WI DEPARTMENT OF FAMILY MEDICINE & PRACTICE EDUCATION FUND MSN HS-MED FAM MED & PRACT	(133-F934)	3,862.48
37.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIRECTOR'S DISCRETIONARY FUND MSN L&S ELVJM MUSEUM ART	(133-G348)	32,689.20
38.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI TRANSFERS RELATED TO SCIENCE WRITER IN RESIDENCE PROGRAM MSN G SERV OFFC-PUBLIC INFO PB&MEDIA R	(133-G613)	4,000.00
39.	AMERICAN INSTITUTE OF THE HISTORY OF PHARMACY ADA, OH HISTORY OF PHARMACY PROGRAM MSN HS-PHR PHARMACY	(133-G642)	189.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

40.	MULTIPLE DONORS DISCRETIONARY GRANT FOR BIOMEDICAL ENGINEERING MSN HS-MED MEDICAL PHYSICS (133-H073)	200.00
41.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN'S DISCRETIONARY ACCOUNT - MARKETING MSN BUS SCH OF BUSINESS (133-J188)	2,500.00
42.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOOL OF LIBRARY AND INFORMATION STUDIES DISCRETIONARY FUND MSN L&S LIB&INF ST (133-J687)	5,500.00
43.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PUBLIC EDUCATION PROGRAM SUPPORT MSN GRAD ARBORETUM (133-J690)	5,000.00
44.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CLINICAL GENETICS PROGRAM DISCRETIONARY FUND MSN HS-MED GENET CLIN PROG (133-J734)	200.00
45.	NATIONAL ASSOCIATION OF PROFESSORS OF HEBREW MADISON, WI SECRETARY/TREASURER ASSOCIATION EXPENSES MSN L&S HEBREW & SEM STU (133-J775)	2,000.00
46.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI KICKHAEFER MEMORIAL FUND MSN L&S SCHOOL OF MUSIC (133-J819)	3,300.00
47.	FRIENDS OF THE ARBORETUM, INC. MADISON, WI FRIENDS OF THE ARBORETUM GIFT SUPPORT FUND MSN GRAD ARBORETUM (133-K175)	588.81
48.	MULTIPLE DONORS DEPARTMENT OF HORTICULTURE DISCRETIONARY FUND MSN AG&LSC HORTICULTURE (133-K551)	1,459.91
49.	MULTIPLE DONORS AIDS EDUCATION MSN HS-UHS HEALTH SVC-BBC (133-K995)	270.00
50.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MEDICAL PHYSICS DEPARTMENTAL LIBRARY FUND MSN HS-MED MEDICAL PHYSICS (133-L896)	2,000.00
51.	MULTIPLE DONORS DIABETES CENTER RESEARCH FUND MSN HS-MED MEDICINE ENDOCRINOL (133-M307)	54.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

52.	AMERICAN CHEMICAL SOCIETY PETROLEUM RESEARCH FUND WASHINGTON, DC JOURNAL OF MEDICINAL CHEMISTRY EDITORIAL EXPENSES MSN HS-PHR PHARMACY (133-M375)	2,970.52
53.	UNIVERSITY RADIOLOGY AND NUCLEAR MEDICINE ASSOCIATES MADISON, WI PARTNERSHIP BUSINESS EXPENSES FOR OPERATION OF RADIOLOGY AND NUCLEAR MEDICINE ASSOCIATES MSN HS-MED RADIOLOGY (133-M530)	7,300.00
54.	UNIVERSITY PSYCHIATRY GROUP MADISON, WI CENTER FOR AFFECTIVE DISORDERS SALARY SUPPORT MSN HS-MED PSYCHIATRY (133-M651)	12,300.00
55.	UNIVERSITY PSYCHIATRY GROUP MADISON, WI PARENT INFANT SALARIES/EXPENSES MSN HS-PSY PSYCHIATRIC INST (133-M731)	2,575.11
56.	FAMILY PRACTICE PROFESSIONAL ASSOCIATES MADISON, WI DISCRETIONARY ACCOUNT FOR THE SUPPORT OF THE TEACHING ACTIVITIES OF THE APPLETON CLINIC MSN HS-MED FAM MED & PRACT CL-APPLTON (133-M801)	1,343.80
57.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI MOVEMENT DISORDERS CLINIC OPERATING ACCOUNT MSN HS-MED NEUROLOGY (133-M860)	5,422.19
58.	WISCONSIN ARTS BOARD MADISON, WI SUPPORT FOR CENTER FOR ARTS ADMINISTRATION PROJECT ASSISTANTS MSN BUS SCH OF BUSINESS (133-N330)	22,400.00
59.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENTAL SUPPLIES AND EXPENSE MSN HS-MED (133-N665)	400,000.00
60.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT SALARIES MSN HS-MED (133-N666)	20,000.00
61.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENTAL TEACHING SUPPLIES MSN HS-MED (133-N667)	11,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

62.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FACULTY RECRUITING AND MOVING EXPENSES MSN HS-MED	(133-N668)	4,949.36
63.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DISCRETIONARY FUND FOR ONE-TIME DEPARTMENTAL REQUESTS MSN HS-MED	(133-N669)	22,000.00
64.	WISCONSIN LOTTERY BOARD MADISON, WI EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 02-01-89 THRU 01-31-91 MSN G SERV LEGAL & EXEC AFF ADM LGL SV	(133-N862)	32,895.00
65.	COMMONS, (JOHN R.) CLUB MADISON, WI DEPARTMENT OF ECONOMICS JOHN R. COMMONS CLUB MSN L&S ECONOMICS	(133-N911)	1,015.50
66.	FAMILY PRACTICE PROFESSIONAL ASSOCIATES MADISON, WI DISCRETIONARY ACCOUNT FOR THE SUPPORT OF THE WINGRA FAMILY MEDICAL CENTER WITHIN THE MADISON FAMILY PRACTICE RESIDENCY PROGRAM MSN HS-MED FAM MED & PRACT CL-WINGRA	(133-N993)	1,325.00
67.	FAMILY PRACTICE PROFESSIONAL ASSOCIATES MADISON, WI DISCRETIONARY ACCOUNT FOR THE SUPPORT OF THE EAU CLAIRE FAMILY PRACTICE RESIDENCY PROGRAM MSN HS-MED FAM MED & PRACT CL-EAU CL	(133-N994)	502.50
68.	SEAUTON, INC. MADISON, WI ERGONOMICS AND HUMAN PERFORMANCE LABORATORY FUND MSN ENGR INDUSTRIAL ENGR	(133-P227)	5,000.00
69.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI INSTITUTE FOR LEGAL STUDIES MSN LAW LAW SCHOOL	(133-P438)	17,500.00
70.	FAMILY PRACTICE PROFESSIONAL ASSOCIATES MADISON, WI DISCRETIONARY ACCOUNT FOR THE SUPPORT OF THE RESEARCH DIVISION OF THE DEPARTMENT OF FAMILY MEDICINE AND PRACTICE MSN HS-MED FAM MED & PRACT RESRCH DIV	(133-P714)	2,268.00
71.	MONTANA STATE UNIVERSITY BOZEMAN, MT DEFRAY COSTS AS PRESIDENT OF THE RURAL SOCIOLOGY SOCIETY MSN AG&LSC RURAL SOCIOLOGY	(133-P917)	361.50

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

72.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ACQUISITION OF ART MSN L&S ELVJM MUSEUM ART	(133-P918)	8,763.33
73.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOOL OF EDUCATION DEAN'S DISCRETIONARY FUND MSN EDUC	(133-Q075)	1,000.00
74.	EXXON CORPORATION ANNANDALE, NJ DISCRETIONARY RESEARCH GIFT MSN L&S CHEMISTRY	(133-Q566)	3,000.00
75.	AMERICAN CHEMICAL SOCIETY AKRON, OH PRE-DOCTORAL FELLOWSHIPS IN CHEMISTRY MSN L&S CHEMISTRY	(133-Q586)	10,000.00
76.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHAIRMAN'S FUND MSN L&S ZOOLOGY	(133-Q690)	6,000.00
77.	MULTIPLE DONORS DISCRETIONARY FUND FOR INFECTIOUS DISEASE RESEARCH AND EDUCATION MSN HS-MED MEDICINE INFECT DIS	(133-Q821)	250.00
78.	PENNSYLVANIA STATE UNIVERSITY UNIVERSITY PARK, PA DEMOCRATIZATION, PEACE AND DEVELOPMENT IN EAST ASIA CONFERENCE MSN L&S STUDIES PROGRAMS EAST ASIAN	(133-R228)	2,000.00
79.	MULTIPLE DONORS GENERAL NEUROLOGY DISCRETIONARY ACCOUNT MSN HS-MED NEUROLOGY	(133-R254)	300.00
80.	FAMILY PRACTICE PROFESSIONAL ASSOCIATES MADISON, WI DISCRETIONARY ACCOUNT FOR THE SUPPORT OF THE OUTREACH DIVISION OF THE DEPARTMENT OF FAMILY MEDICINE AND PRACTICE MSN HS-MED FAM MED & PRACT OUTREACH	(133-R267)	1,638.81
81.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GENERAL ELECTRIC FOUNDATION FACULTY FOR THE FUTURE AWARD MSN L&S COMPUTER SCI	(133-R296)	22,783.00
82.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI STUDENTS' PARTICIPATE COLLEGE BOWL MSN G E A DEAN OF STUDENTS ADMIN	(133-R316)	1,788.29

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

83.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEAN OF STUDENTS PROGRAM SUPPORT MSN G E A DEAN OF STUDENTS ADMIN	(133-R317)	1,000.00
84.	ATLANTIC RICHFIELD COMPANY LOS ANGELES, CA CHAIRMAN'S DISCRETIONARY ACCOUNT MSN L&S GEOL & GEOPHYSICS	(133-R324)	1,667.00
85.	MULTIPLE DONORS SCHOOL OF MUSIC CHAIRMAN'S DISCRETIONARY FUND MSN L&S SCHOOL OF MUSIC	(133-0199)	200.00
86.	LAW SCHOOL DEAN'S DISCRETIONARY FUND MSN LAW LAW SCHOOL	(133-2128)	
	9,310.25 WISCONSIN LAW ALUMNI ASSOCIATION MADISON, WI		
	14,561.35 UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI		
			23,871.60
87.	MULTIPLE DONORS CONSORTIUM FOR GRADUATE STUDY IN MANAGEMENT MSN BUS SCH OF BUSINESS	(133-5984)	1,800.00
88.	MULTIPLE DONORS DEPARTMENT OF PLANT PATHOLOGY CHAIRMAN'S DISCRETIONARY ACCOUNT MSN AG&LSC PLANT PATHOLOGY	(133-7243)	446.67
89.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ENGLISH DEPARTMENT CHAIRMAN'S DISCRETIONARY GRANT MSN L&S ENGLISH	(133-7849)	2,000.00
90.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF COMMUNICATION ARTS CHAIRMAN'S DISCRETIONARY GRANT MSN L&S COMMUN ARTS	(133-8261)	5,000.00
PHYSICAL PLANT			
1.	MEMORIAL UNION BUILDING ASSOCIATION MADISON, WI UNION THEATER LOUNGE MSN UNION GENERAL	(133-M317)	30,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

1. MCGILL UNIVERSITY
MONTREAL, CANADA
MATERIAL TRANSFER AGREEMENT
MSN AG&LSC DAIRY SCIENCE
2. BIOGEN
CAMBRIDGE, MA
MATERIAL TRANSFER AGREEMENT
MSN HS-MED HUMAN ONCOLOGY
3. MEMORIAL SLOAN-KETTERING CANCER CENTER
NEW YORK, NY
MATERIAL TRANSFER AGREEMENT
MSN HS-MED HUMAN ONCOLOGY IMMUNOLOGY
4. GENETICS INSTITUTE
CAMBRIDGE, MA
MATERIAL TRANSFER AGREEMENT
MSN AG&LSC BIOCHEMISTRY
5. DIGITAL EQUIPMENT CORPORATION
MAYNARD, MA
INPUT POWER CONDITIONING TECHNIQUES FOR
COMPUTER SYSTEMS
AWARD # AGREEMENT #989
MSN ENGR ENGR EXPER STA WISPERC
6. CARLSBERG LABORATORY
DENMARK
MATERIAL TRANSFER AGREEMENT
MSN HS-MED PHYSIOLOG CHEM
7. INTEL SCIENTIFIC COMPUTERS
BEAVERTON, OR
UNIVERSITY PARTNERS IN COMPUTER SCIENCE
RESEARCH AGREEMENT
MSN ENGR ENGR EXPER STA ADMIN
8. ISTITUTO MOTORI
NAPLES, ITALY
MATERIAL TRANSFER AGREEMENT
MSN ENGR ENGR EXPER STA I COMBUSTN
9. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
DISTINGUISHED PROFESSORS MATCHING PROGRAM
REVENUE FUNDS (182-A-19-3528)
MSN ENGR ENGR EXPER STA SUPERCOND T 25,000.00
10. LILLY (ELI) AND COMPANY
INDIANAPOLIS, IN
MATERIAL TRANSFER AGREEMENT
MSN HS-PHR PHARMACY
11. STERLING DRUG, INC.
RENSSELAER, NY
INFORMATION TRANSFER AGREEMENT
MSN GRAD INST MOL VIR INST MOL V

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

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| 12. | EARNINGS ON MISC. INVESTMENTS
PHANEUF, DUANE--MEDICAL RESEARCH
MSN HS-MED | (TRUST) | 56.10 |
| 13. | MCARDLE LABORATORY FOR CANCER RESEARCH--
DISCRETIONARY FUND
MSN HS-MED ONCOLOGY | (TRUST) | |
| | 1,000.00 WISCONSIN ALUMNI RESEARCH FOUNDATION
MADISON, WI | | |
| | 6,000.00 BARABOO UNITED FUND, INC
BARABOO, WI | | |
| | | | 7,000.00 |
| 14. | MULTIPLE DONORS
COLLINS, HORACE--LEUKEMIA RESEARCH
MSN HS-MED MEDICINE HEMATOLOGY | (TRUST) | 20.00 |
| 15. | PLANT DISEASE RESEARCH FUND
MSN AG&LSC PLANT PATHOLOGY | (TRUST) | |
| | 1,000.00 NOR-AM CHEMICAL COMPANY
WILMINGTON, DE | | |
| | 2,000.00 ROHM & HAAS COMPANY
SPRING HOUSE, PA | | |
| | | | 3,000.00 |
| 16. | AGRICULTURE, DEPT OF
BELTSVILLE, MD
CULTURE AND USE OF TURKEY PRIMORDIAL GERM CELLS
FOR INSERTION OF DNA INTO THE TURKEY GENOME
FOR THE PERIOD 03-01-90 THROUGH 03-01-93
AWARD # 58-3K47-0-009
MSN AG&LSC POULTRY SCIENCE | (144-BW37) | 11,075.00 |
| 17. | AGRICULTURE, DEPT OF
MINNEAPOLIS, MN
SUPPORT OF AGRICULTURAL RESEARCH
OF MUTUAL INTEREST
(REDUCTION DUE TO CUT-BACK IN VARIOUS TASKS)
FOR THE PERIOD 10-01-89 THROUGH 09-30-90
AT A TOTAL COST OF \$352,996.00
AWARD # 58-5114-7-2003, MOD. 4
MSN AG&LSC U S DAIRY FORAGE | (144-BG07) | 36,500.00- |
| 18. | AGRICULTURE, DEPT OF
PEORIA, IL
THE IMPACT OF CORN AND SOYBEAN FARMING ON GROUND
WATER QUALITY IN THE WISCONSIN RIVER SAND PLAIN
FOR THE PERIOD 08-21-90 THROUGH 06-20-95
AWARD # 58-5114-0-1018
MSN AG&LSC AG ENGINEERING | (144-BU45) | 77,000.00 |

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

19. BARD
BET DAGAN, ISRAEL
PRIME CONTRACTOR WITH AGRIC
EFFECTOR CELL RECOGNITION OF RECOMBINANT
BHV-1 PROTEINS
FOR THE PERIOD 08-24-90 THROUGH 08-23-93
AWARD # US-1649-89
MSN AG&LSC VETERINARY SCI (144-BU81) 140,000.00
20. MICHIGAN STATE UNIVERSITY
EAST LANSING, MI
PRIME CONTRACTOR WITH AGRIC
WEED CONTROL IN AGRONOMIC CROPS
FOR THE PERIOD 06-21-90 THROUGH 02-28-91
AWARD # PO #035164
MSN AG&LSC AGRONOMY (144-BU30) 1,000.00
21. MICHIGAN STATE UNIVERSITY
EAST LANSING, MI
PRIME CONTRACTOR WITH AGRIC
NORTH CENTRAL REGIONAL AQUACULTURE CENTER
FOR THE PERIOD 06-01-90 THROUGH 05-31-91
AWARD # 61-4050G
MSN AG&LSC FOOD SCIENCE (144-BU35) 7,854.00
22. AGRIC, COOPERATIVE STATE RESEARCH SERVICE
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
- 1) CELLULAR REGULATION OF MEIOTIC STATE IN BOVINE
OOCYTES
FOR THE PERIOD 08-01-88 THROUGH 08-31-91
AT A TOTAL COST OF \$214,000.00
AWARD # 88-37240-3740, MOD. 1
MSN AG&LSC MEAT& ANIMAL SCI (144-AM76) 70,000.00
- 2) THE ROLE OF HOST ENDOCRINE FACTORS IN THE
DEVELOPMENT OF POLYEMBRYONIC PARASITIDS
FOR THE PERIOD 07-01-89 THROUGH 06-30-91
AT A TOTAL COST OF \$110,000.00
AWARD # 89-37263-4426, MOD. 1
MSN AG&LSC ENTOMOLOGY (144-BB48) 50,000.00
- 3) RECEPTOR BINDING OF INTERLEUKIN 1 TO BOVINE
NEUTROPHILS AND OTHER CELLS
FOR THE PERIOD 08-01-90 THROUGH 07-31-92
AWARD # 90-37265-5524
MSN VET M PATHOBIOLGCL SCI (144-BS18) 120,000.00
- 4) THE CALCIUM-ACTIVATED PLASMA MEMBRANE PROTEIN
KINASE AND THE RAPID GROWTH RESPONSE OF PLANTS
FOR THE PERIOD 08-15-90 THROUGH 08-31-92
AWARD # 90-37261-5621
MSN AG&LSC HORTICULTURE (144-BS35) 90,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

- 5) AVIAN MX: A NATURAL RESISTANCE GENE
FOR INFLUENZA
FOR THE PERIOD 09-01-90 THROUGH 08-31-93
AWARD # 90-34116-5398
MSN VET M PATHOBIOLGCL SCI (144-BU05) 150,000.00
- 6) PURIFICATION, BINDING AND LEUKOCYTE MODULATION OF
P. HAEMOLYTICA LEUKOTOXIN
FOR THE PERIOD 08-01-90 THROUGH 07-31-92
AWARD # 90-34116-5368
MSN VET M PATHOBIOLGCL SCI (144-BU57) 98,340.00
- 7) IDENTIFICATION OF BHV-1 PROTEINS BY T CELL
IMMUNOBLOTTING
FOR THE PERIOD 08-01-90 THROUGH 07-31-92
AWARD # 90-34116-5363
MSN AG&LSC VETERINARY SCI (144-BU58) 150,000.00
- 8) PREDICTIVE VALUE AND ECONOMICS OF TEN TESTS FOR
PARATUBERCULOSIS
FOR THE PERIOD 08-01-90 THROUGH 07-31-92
AWARD # 90-34116-5386
MSN VET M PATHOBIOLGCL SCI (144-BU59) 56,468.00
- 9) BIOLOGICAL SIGNIFICANCE OF JUVENILE HORMONE
TRANSPORT IN THE INSECT HEMOLYMPH
FOR THE PERIOD 09-01-90 THROUGH 08-31-92
AWARD # 90-37263-5486
MSN AG&LSC ENTOMOLOGY (144-BW32) 100,000.00
- 10) STUDIES ON THE ORIGIN AND ETIOLOGY OF
TRANSMISSIBLE MINK ENCEPHALOPATHY
FOR THE PERIOD 09-15-90 THROUGH 09-30-92
AWARD # 90-37266-5591
MSN AG&LSC VETERINARY SCI (144-BW40) 185,000.00
- 11) ROLE OF ROOT INVADING INSECT-FUNGAL COMPLEXES IN
PATTERNS OF HOST UTILIZATION BY ENDEMIC BARK
BEETLE POPULATION
FOR THE PERIOD 09-15-90 THROUGH 09-30-92
AWARD # 90-37250-5581
MSN AG&LSC ENTOMOLOGY (144-BW43) 85,000.00
23. AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
- 1) LTC CORE
RESOURCES II
FOR THE PERIOD 08-01-89 THROUGH 12-31-93
AT A TOTAL COST OF \$820,000.00
AWARD # DHR 5453-A-00-9048-00, MOD. 3
MSN AG&LSC LAND TENURE CTR (144-BE59) 590,000.00
- 2) AFRICAN LAND MARKETS
FOR THE PERIOD 08-01-89 THROUGH 12-31-93
AT A TOTAL COST OF \$306,000.00
AWARD # DHR 5453-A-00-9048-00, MOD. 3
MSN AG&LSC LAND TENURE CTR (144-BE60) 47,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

- 3) STRENGTHENING AFRICAN AGRICULTURE RESEARCH AND FACULTIES OF RESEARCH FOR THE PERIOD 08-31-90 THROUGH 12-31-93
AWARD # DHR-5453-A-00-9048-00, MOD. 3
MSN AG&LSC LAND TENURE CTR (144-BW44) 100,000.00
- 4) TECHNICAL ASSISTANCE AND WOMEN IN DEVELOPMENT CENTERS FOR THE PERIOD 08-31-90 THROUGH 12-31-93
AWARD # DHR-5453-A-00-9048-00, MOD. 3
MSN AG&LSC LAND TENURE CTR (144-BW45) 208,015.00
- 5) GAMBIA AGRICULTURAL RESEARCH AND DIVERSIFICATION PROJECT FOR THE PERIOD 08-15-85 THROUGH 09-30-91
AT A TOTAL COST OF \$12,166,000.00
AWARD # 635-0219-C-00-6011-00, MOD. 6
MSN AG&LSC INTL AG PRGS-ADM (144-X333) 1,106,000.00
24. COMM, NATIONAL OCEANIC & ATMOSPHERIC ADM ROCKVILLE, MD
THE DIAGNOSTICS AND PREDICTION OF DROUGHT IN SUBSAHARAN AFRICA
FOR THE PERIOD 07-01-86 THROUGH 06-30-91
AT A TOTAL COST OF \$243,799.00
AWARD # NA86AA-D-ACO64, MOD. 4
MSN L&S METEOROLOGY (144-Y185) 49,995.00
25. COOPERATIVE EDUCATIONAL SERVICE AGENCY #5 PORTAGE, WI
PRIME CONTRACTOR WITH DED
THE EARLY CHILDHOOD EXCEPTIONAL EDUCATION NEEDS FOLLOW-UP STUDY IN THE UNIVERSITY
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AWARD # AGR DTD 8/20/90
MSN GRAD WAISMAN CENTER (144-BU56) 76,585.00
26. DHHS, OFFICE OF THE SECRETARY WASHINGTON, DC
INTERGOVERNMENTAL PERSONNEL ASSIGNMENT AGREEMENT FOR THE PERIOD 08-26-90 THROUGH 08-25-91
AWARD # AGR DTD 08-21-90
MSN L&S INST-RES ON POV (144-BU26) 35,610.00
27. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM ROCKVILLE, MD
IN SUPPORT OF THE FOLLOWING:
- 1) ALCOHOL USE AND AVIATION SAFETY FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$206,731.00
AWARD # 5 RO1 AA06093-07, MOD. 1
MSN L&S PSYCHOLOGY (144-BF27) 105,420.00
- 2) NEUROPSYCHOLOGY, BEHAVIOR DISORDER AND DELINQUENCY RISK FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$267,592.00
AWARD # 5 RO1 MH45548-02, MOD. 1
MSN L&S PSYCHOLOGY (144-BF58) 90,241.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

- 3) DRUG ABUSE PREDICTION AND PREVENTION
IN HIGH RISK FAMILIES
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$422,254.00
AWARD # 5 RO1 DA05479-03, MOD. 2
MSN ENGR ENGR EXPER STA HLTH SYS'S (144-BF90) 173,843.00
- 4) ANXIETY SYSTEM AND ATTENTIONAL DEFICITS
IN PSYCHOPATHY
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$186,096.00
AWARD # 5 RO1 MH37711-08, MOD. 1
MSN L&S PSYCHOLOGY (144-BG44) 91,053.00
- 5) MATERNITY LEAVE AND HEALTH: PSYCHOSOCIAL
FACTORS
FOR THE PERIOD 09-30-89 THROUGH 08-31-91
AT A TOTAL COST OF \$763,969.00
AWARD # 5 RO1 MH44340-02, MOD. 1
MSN L&S WOMEN'S STUDIES RESRCH CTR (144-BH40) 522,449.00
- 6) AGING PARENTS WITH A MENTALLY ILL ADULT CHILD
AT HOME
FOR THE PERIOD 08-01-90 THROUGH 07-31-91
AWARD # 1 RO3 MH46564-01
MSN L&S SOCIOLOGY (144-BS43) 71,204.00
- 7) RESEARCH SCIENTIST AWARD: MARKERS OF PSYCHOSIS
PRONENESS
FOR THE PERIOD 08-01-90 THROUGH 07-31-91
AWARD # 5 KO5 MH00743-03
MSN L&S PSYCHOLOGY (144-BS68) 99,905.00
- 8) RESEARCH SCIENTIST AWARD: BIOPSYCHOLOGY
OF COMMUNICATION AND BEHAVIOR
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 5 KO5 MH00177-14
MSN L&S PSYCHOLOGY (144-BU37) 76,875.00
28. LOYOLA UNIVERSITY
MAYWOOD, IL
PRIME CONTRACTOR WITH DHHS PHS ADAM
VASSOPRESSIN AS A NEUROENDOCRINE MARKER IN
DEPRESSION
FOR THE PERIOD 06-01-90 THROUGH 05-31-93
AWARD # LU1266
MSN VET M CMPARTV BIOSCI'S (144-BS22) 42,872.00
29. WI DEPT OF HEALTH & SOCIAL SERVICES
MADISON, WI
PRIME CONTRACTOR WITH DHHS PHS CDC
COUNSELING AND TEST RESULT INFORMING OF CLIENTS
AT THE WISCONSIN COUNSELING AND TESTING SITES
FOR THE PERIOD 08-01-90 THROUGH 01-10-91
AWARD # P.O. FAA 30394
MSN L&S SOCIOLOGY (144-BU74) 18,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

30. DHHS, PHS, NATL CTR FOR HLTH SERVICES RES
ROCKVILLE, MD
LONGITUDINAL COMPARISON OF MEASURES FOR HEALTH
OUTCOMES
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 1 RO1 HSO6491-01
MSN HS-MED PREVENTIVE MED (144-BU86) 244,671.00
31. DARTMOUTH COLLEGE
HANOVER, NH
PRIME CONTRACTOR WITH DHHS PHS CHSR
ASSESSING THERAPIES FOR BPH AND LOCALIZED PROSTATE
CANCER
FOR THE PERIOD 09-07-89 THROUGH 08-31-90
AWARD # SUBCONTRACT 5-31397
MSN HS-MED SURGERY UROLOGY (144-BU88) 17,914.00
32. DHHS, PHS, FOOD AND DRUG ADMIN
DALLAS, TX
PURE BOTULINUM NEUROTOXIN -TOXOID
FOR THE PERIOD 08-13-90 THROUGH 12-31-90
AWARD # PO #02600487
MSN AG&LSC FOOD MICRO&TOXIC (144-BU27) 3,168.00
33. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD
IN SUPPORT OF THE FOLLOWING:
- 1) PHASE I AND PHARMACOKINETIC STUDIES OF
DIFLUOROMETHYLORNITHINE (DFMO)
(REDUCED TO REFLECT COST OF SUPPLIES FURNISHED BY
FUNDING AGENCY)
FOR THE PERIOD 03-15-89 THROUGH 01-31-91
AT A TOTAL COST OF \$264,026.00
AWARD # NO1-CN-85109-01, MOD. 1
MSN HS-MED CANCER CTR (144-AW98) 18,861.00-
 - 2) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH
SERVICE AWARD: BIOTECHNOLOGY
(REDUCED TO REFLECT EARLY TERMINATION OF FELLOW)
FOR THE PERIOD 06-01-89 THROUGH 04-30-90
AT A TOTAL COST OF \$25,917.00
AWARD # 1 F32 GM12953-01, MOD. 1
MSN AG&LSC BIOCHEMISTRY (144-BA28) 2,083.00-
 - 3) INDUCTION AND REGULATION OF ACROSOME REACTIONS
FOR THE PERIOD 06-01-89 THROUGH 12-31-89
AT A TOTAL COST OF \$45,527.00
AWARD # 5 R29 HD22615-02, MOD. 2
MSN AG&LSC MEAT& ANIMAL SCI (144-BA64) 14,834.00
 - 4) HELPER T LYMPHOCYTE FUNCTION IN VITAMIN A
DEFICIENCY
FOR THE PERIOD 07-01-89 THROUGH 06-30-91
AT A TOTAL COST OF \$231,978.00
AWARD # 1 RO1 AI27790-01, MOD. 1
MSN AG&LSC BIOCHEMISTRY (144-BC69) 116,375.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

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|---|------------|------------|
| 5) APOLIPOPROTEIN-B MUTATIONS AND LOW DENSITY LIPOPROTEIN
FOR THE PERIOD 08-01-89 THROUGH 07-31-91
AT A TOTAL COST OF \$337,627.00
AWARD # 5 R01 HL37251-04, MOD. 2
MSN AG&LSC BIOCHEMISTRY | (144-BD15) | 13,257.00 |
| 6) MEMBRANE FLUIDITY IN THE PATHOGENESIS OF HEPATIC DISEASE
FOR THE PERIOD 08-01-89 THROUGH 07-31-91
AT A TOTAL COST OF \$146,626.00
AWARD # 5 R29 DK38883-03, MOD. 1
MSN HS-MED MEDICINE GASTROENT | (144-BD29) | 72,694.00 |
| 7) GENETICS AND PATHOGENICITY OF ESCHERICHIA COLI HEMOLYSIN
FOR THE PERIOD 08-01-89 THROUGH 07-31-91
AT A TOTAL COST OF \$311,539.00
AWARD # 5 R01 AI20323-08, MOD. 1
MSN HS-MED MED MICROBIOLOGY | (144-BD32) | 150,880.00 |
| 8) DETERMINANTS OF PLACENTAL BLOOD FLOW
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$216,360.00
AWARD # 5 R01 HD21082-05, MOD. 1
MSN HS-MED OBSTET & GYNECOL | (144-BE19) | 110,046.00 |
| 9) ANIMAL RESERVOIRS OF BORRELIA BURGDORFERI
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$183,348.00
AWARD # 5 R29 AI24433-03, MOD. 1
MSN VET M MEDICAL SCIENCES | (144-BE53) | 115,691.00 |
| 10) SPEECH MOVEMENT RESEARCH WITH AN X-RAY MICROBEAM
FOR THE PERIOD 09-01-89 THROUGH 09-30-90
AT A TOTAL COST OF \$1,185,138.00
AWARD # 3 P50 DCO0162-10S1, MOD. 1
MSN GRAD WAISMAN CENTER | (144-BE69) | 62,764.00 |
| 11) LINGUISTIC COMMUNICATION AND MENTAL RETARDATION
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$209,888.00
AWARD # 5 R01 HD24356-04, MOD. 1
MSN GRAD WAISMAN CENTER | (144-BE74) | 106,065.00 |
| 12) AIRWAY BIOLOGY OF RHINOVIRUS 16 INFECTION AND ASTHMA
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$404,475.00
AWARD # 5 R01 AI26609-03, MOD. 1
MSN HS-MED MEDICINE ALLRGY&IMM | (144-BF20) | 203,880.00 |
| 13) TRNA SPLICING ENDONUCLEASE IN YEAST
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$286,256.00
AWARD # 5 R01 GM40310-03, MOD. 1
MSN GRAD MOLECULAR BIOL | (144-BF23) | 143,369.00 |

GIFTS, GRANTS AND CONTRACTS
DCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

14)	SPECIFIC IMMUNE REACTIVITY TO TREPONEMAL INFECTION FOR THE PERIOD 09-01-89 THROUGH 08-31-91 AT A TOTAL COST OF \$378,489.00 AWARD # 5 R01 AI22199-07, MOD. 1 MSN HS-MED MED MICROBIOLOGY	(144-BF28)	191,865.00
15)	MOLECULAR BIOLOGY OF MULTIPARTITE GENOME VIRUSES FOR THE PERIOD 09-01-89 THROUGH 08-31-91 AT A TOTAL COST OF \$294,511.00 AWARD # 5 R37 AI23742-05, MOD. 1 MSN GRAD INST MOL VIR INST MOL V	(144-BF48)	154,709.00
16)	FAMILY STRUCTURE, SOCIALIZATION AND CHILD WELL-BEING FOR THE PERIOD 09-01-89 THROUGH 08-31-91 AT A TOTAL COST OF \$212,150.00 AWARD # 1 R01 HD26122-02, MOD. 1 MSN L&S SOCIOLOGY	(144-BF70)	104,639.00
17)	ORGANIZATION OF CENTRAL VISUAL PATHWAYS FOR THE PERIOD 09-01-89 THROUGH 08-31-91 AT A TOTAL COST OF \$282,298.00 AWARD # 5 R01 EYO1277-15, MOD. 1 MSN HS-MED ANATOMY	(144-BF80)	145,423.00
18)	MECHANISMS OF VIRUS-INDUCED ASTHMA FOR THE PERIOD 09-01-89 THROUGH 08-31-91 AT A TOTAL COST OF \$294,274.00 AWARD # 5 R01 HL44098-11, MOD. 1 MSN HS-MED MEDICINE ALLRGY&IMM	(144-BF84)	144,897.00
19)	CALCIUM AND THE PATHOPHYSIOLOGY OF THE ADULT HEART CELL FOR THE PERIOD 09-30-89 THROUGH 09-29-91 AT A TOTAL COST OF \$245,934.00 AWARD # 5 R01 HL33652-07, MOD. 1 MSN HS-MED ANESTHESIOLOGY	(144-BF97)	121,095.00
20)	DYNAMIC CHOICE ANALYSIS OF SCHOOLING BEHAVIOR FOR THE PERIOD 09-01-89 THROUGH 08-31-91 AT A TOTAL COST OF \$151,744.00 AWARD # 5 R01 HD25842-02, MOD. 1 MSN L&S INST-RES ON POV	(144-BG51)	77,026.00
21)	STATISTICAL PROBLEMS IN AIDS STUDIES FOR THE PERIOD 09-30-89 THROUGH 07-31-91 AT A TOTAL COST OF \$172,656.00 AWARD # 5 R01 AI29131-02, MOD. 1 MSN HS-MED BIOSTAT	(144-BH87)	88,828.00
22)	INTEGRATED MICROSCOPY RESOURCE FOR BIOMEDICAL RESEARCH FOR THE PERIOD 12-07-89 THROUGH 11-30-90 AT A TOTAL COST OF \$535,437.00 AWARD # 2 P41 RRO0570-20, MOD. 3 MSN GRAD MOLECULAR BIOL	(144-BJ84)	80,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

- 23) EASTERN COOPERATIVE ONCOLOGY GROUP -
OPERATIONS OFFICE
FOR THE PERIOD 05-01-90 THROUGH 04-30-91
AT A TOTAL COST OF \$1,778,477.00
AWARD # 5 U10 CA21115-15, MOD. 2
MSN HS-MED CANCER CTR EAST COOP (144-BM48) 48,029.00
- 24) SYNTHESIS AND FUNCTION OF COAGULATION PROTEINS
FOR THE PERIOD 06-01-90 THROUGH 05-31-91
AT A TOTAL COST OF \$628,272.00
AWARD # 5 PO1 HL29586-08, MOD. 1
MSN HS-MED PHYSIOLOG CHEM (144-BN79) 38,424.00
- 25) ELECTRON BEAM DOSE PLANNING USING MONTE CARLO
SIMULATION
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 1 RO1 CA52692-01
MSN HS-MED MEDICAL PHYSICS (144-BR77) 233,368.00
- 26) DEMOGRAPHY OF MINORITY UNDEREMPLOYMENT
FOR THE PERIOD 08-01-90 THROUGH 07-31-91
AWARD # 1 RO1 HD25592-01A1
MSN L&S SOCIOLOGY (144-BR83) 177,993.00
- 27) INTERACTIONS OF DIETARY MANGANESE AND IRON
FOR THE PERIOD 08-01-90 THROUGH 07-31-91
AWARD # 1 RO1 DK41940-01A1
MSN AG&LSC NUTRITIONAL SCI (144-BS37) 137,179.00
- 28) OCULAR COMPLICATIONS OF AIDS - FUNDUS PHOTOGRAPH
READING CENTER
FOR THE PERIOD 08-01-90 THROUGH 07-31-91
AWARD # 5 U10 EY08067-03
MSN HS-MED OPHTHALMOLOGY (144-BS76) 241,936.00
- 29) GATING MECHANISMS OF CHEMICALLY ACTIVATED
CHANNELS
FOR THE PERIOD 08-01-90 THROUGH 07-31-91
AWARD # 2 RO1 NS23512-04A1
MSN HS-MED PHYSIOLOGY (144-BT73) 93,639.00
- 30) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH
SERVICE AWARD: HUMAN LEARNING AND BEHAVIOR
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 1 F32 HDO7085-01A1
MSN GRAD WAISMAN CENTER (144-BU03) 30,500.00
- 31) STUDY OF AXON GUIDANCE
FOR THE PERIOD 08-01-90 THROUGH 07-31-91
AWARD # 1 RO1 NS28202-01A1
MSN L&S ZOOLOGY (144-BU13) 147,289.00
- 32) THE ROLE OF IMMUNE RESPONSES IN AIDS-RELATED
VIRAL INFECTION
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 7 RO1 AI24591-03
MSN HS-MED PATHOL & LAB MED ANAT PATH (144-BU23) 141,133.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

33)	MOLECULAR DETERMINATION OF THE CYTOTOXIC T CELL RESPONSE FOR THE PERIOD 08-01-90 THROUGH 01-31-91 AWARD # 7 R29 AI25522-04 MSN HS-MED PATHOL & LAB MED ANAT PATH (144-BU24)	41,805.00
34)	ACADEMIC/TEACHER AWARD: PREVENTIVE ONCOLOGY FOR THE PERIOD 08-01-90 THROUGH 07-31-91 AWARD # 1 KO7 CAO1541-01 MSN HS-MED MEDICINE GEN INT MD (144-BU32)	73,900.00
35)	POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD: GENETICS FOR THE PERIOD 09-01-90 THROUGH 08-31-91 AWARD # 1 F32 GM141117-01 MSN GRAD MOLECULAR BIOL (144-BU38)	21,000.00
36)	ASTHMA AND ALLERGIC DISEASE CENTER GRANT FOR THE PERIOD 09-01-90 THROUGH 08-31-91 AWARD # 5 P50 AI10404-20 MSN HS-MED MEDICINE ALLRGY&IMM (144-BU39)	326,227.00
37)	GENETIC POLYMORPHISMS OF SALIVA FOR THE PERIOD 09-01-90 THROUGH 08-31-91 AWARD # 2 RO1 DE03658-26 MSN HS-MED MEDICINE HEMATOLOGY (144-BU46)	256,508.00
38)	EFFECTS OF NUTRITION ON POSTPARTUM AMENORRHEA AND WAITING-TIME TO CONCEPTION FOR THE PERIOD 09-01-90 THROUGH 08-31-91 AWARD # 1 RO1 HD26899-01 MSN L&S SOCIOLOGY (144-BU47)	124,452.00
39)	TOTAL PARENTERAL NUTRITION AND SOMATOMEDIN RESPONSES FOR THE PERIOD 08-01-90 THROUGH 07-31-91 AWARD # 1 R29 DK42835-01 MSN AG&LSC NUTRITIONAL SCI (144-BU48)	103,199.00
40)	CHARACTERIZATION OF LUNG PHOSPHOLIPID TRANSFER PROTEINS FOR THE PERIOD 09-01-90 THROUGH 08-31-91 AWARD # 2 RO1 HL38744-04 MSN HS-MED PEDIATRICS (144-BU51)	122,452.00
41)	GENETIC ANALYSIS OF IMMORTALIZING FUNCTIONS OF EBV FOR THE PERIOD 09-01-90 THROUGH 08-31-91 AWARD # 1 RO1 AI29988-01 MSN HS-MED ONCOLOGY (144-BU72)	187,873.00
42)	POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD: ANATOMY FOR THE PERIOD 09-01-90 THROUGH 08-31-91 AWARD # 5 F32 HLO8136-02 MSN HS-MED PHYSIOLOG CHEM (144-BU79)	28,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

- 43) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH
SERVICE AWARD: NEUROBIOLOGY
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 1 F32 AG05526-01
MSN L&S PSYCHOLOGY (144-BU87) 20,000.00
- 44) POSTDOCTORAL INDIVIDUAL NATIONAL RESEARCH
SERVICE AWARD: CELLULAR AND MOLECULAR BIOLOGY
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 5 F32 GM12835-03
MSN L&S ZOOLOGY (144-BU89) 28,000.00
- 45) SCOR IN CARDIOPULMONARY DISORDERS DURING SLEEP
FOR THE PERIOD 09-30-90 THROUGH 09-29-91
AWARD # 5 PO1 HL42242-03
MSN HS-MED PREVENTIVE MED (144-BU90) 989,735.00
- 46) CLINICAL INVESTIGATOR AWARD: PATHOGENIC ROLES
OF THE ALVEOLAR MACROPHAGE IN ASTHMA
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 5 K08 HLO1828-04
MSN HS-MED MEDICINE PULMON MED (144-BW05) 63,720.00
- 47) TEACHER/ACADEMIC AWARD: TRANSFUSION MEDICINE
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 5 K07 HLO2143-03
MSN HS-MED MEDICINE HEMATOLOGY (144-BW13) 111,321.00
- 48) ORGANOSELENIUM COMPOUNDS: BIOSYNTHESIS
AND FUNCTIONS
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 2 RO1 DK14184-20A1
MSN AG&LSC NUTRITIONAL SCI (144-BW15) 109,944.00
- 49) NIH SMALL INSTRUMENTATION PROGRAM
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 1 S15 HD27660-01
MSN VET M ADM-RES& GRAD TR ADM-RES&GR (144-BW21) 16,510.00
- 50) MODIFIED RESEARCH CAREER DEVELOPMENT AWARD:
ACTIVATION AND CONTROL OF RRNA TRANSCRIPTION
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 5 KO4 AIO0935-03
MSN AG&LSC BACTERIOLOGY (144-BW22) 55,339.00
- 51) ACADEMIC/TEACHER AWARD: PATHOGENESIS OF PULMONARY
ALLERGIC RESPONSES
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 1 K07 AIO0995-01
MSN HS-MED MEDICINE ALLRGY&IMM (144-BW34) 60,739.00
- 52) MECHANISMS OF SYNAPTIC TRANSMISSION FAILURE
FOR THE PERIOD 09-10-90 THROUGH 08-31-91
AWARD # 2 RO1 NS13600-13
MSN HS-MED PHYSIOLOGY (144-BW48) 123,277.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

34. BOSTON UNIVERSITY
BOSTON, MA
PRIME CONTRACTOR WITH DHHS PHS NIH
FRAMINGHAM OFFSPRING EYE STUDY
FOR THE PERIOD 06-01-89 THROUGH 02-29-92
AT A TOTAL COST OF \$101,064.00
AWARD # AGR DTD 08/03/90, MOD. 1
MSN HS-MED OPHTHALMOLOGY (144-BF45) 60,094.00
35. UNIVERSITY OF VIRGINIA
CHARLOTTESVILLE, VA
PRIME CONTRACTOR WITH DHHS PHS NIH
RANDOMIZED STUDY OF NICARDIPINE IN SUBARACHNOID
HEMORRHAGE
FOR THE PERIOD 08-01-87 THROUGH 03-31-91
AT A TOTAL COST OF \$23,100.00
AWARD # CHECK #16836545, MOD. 7
MSN HS-MED NEURO SURG NUERO SURG (144-AF46) 100.00
36. CLEVELAND METROPOLITAN GENERAL HOSPITAL
CLEVELAND, OH
PRIME CONTRACTOR WITH DHHS PHS NIH
CARBONYL IRON SUPPLEMENTATION FOR FEMALE BLOOD
DONORS
FOR THE PERIOD 07-01-90 THROUGH 09-30-90
AWARD # CK #813674
MSN L&S SOCIOLOGY (144-BQ98) 11,372.00
37. ALLEGHENY-SINGER RESEARCH INSTITUTE
PITTSBURGH, PA
PRIME CONTRACTOR WITH DHHS PHS NIH
HYPERTHERMIA QUALITY ASSURANCE PROGRAM
FOR THE PERIOD 06-01-88 THROUGH 05-31-91
AT A TOTAL COST OF \$171,704.00
AWARD # AGR DTD 07/27/90, MOD. 1
MSN HS-MED HUMAN ONCOLOGY RADIOPHYS (144-AL44) 113,935.00
38. DOD, AIR FORCE
HANSCOM AFB, MA
IN SUPPORT OF THE FOLLOWING:
- 1) DEVELOPMENT OF ALGORITHMS TO MEASURE
ATMOSPHERIC QUANTITIES FROM AIRCRAFT BORNE AND
GROUND BASED LIDAR
FOR THE PERIOD 04-21-88 THROUGH 11-30-90
AT A TOTAL COST OF \$270,000.00
AWARD # F19628-87-K-0056, MOD. 3
MSN GRAD SPACE SCI&ENG CT (144-AG84) 20,000.00
- 2) SEISMIC EVENT LOCATION AT REGIONAL AND
TELESEISMIC DISTANCES
FOR THE PERIOD 08-21-90 THROUGH 09-30-91
AWARD # F19628-90-K-0047
MSN L&S GEOL & GEOPHYSICS GEO&POL R (144-BW33) 97,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

39. SOUTHEASTERN CENTER FOR ELECTRICAL ENGINEERING
EDUCATION (SCEEE)
ST CLOUD, FL
PRIME CONTRACTOR WITH DOD AF
LABORATORY GRADUATE FELLOWSHIP PROGRAM
FOR THE PERIOD 09-01-90 THROUGH 12-31-90
AWARD # PO #SSAN 479-76-1032
MSN ENGR MAT SCI & ENGR (144-BU02) 12,000.00
40. SOUTHEASTERN CENTER FOR ELECTRICAL ENGINEERING
EDUCATION (SCEEE)
ST CLOUD, FL
PRIME CONTRACTOR WITH DOD AF
LABORATORY GRADUATE FELLOWSHIP PROGRAM
FOR THE PERIOD 09-01-90 THROUGH 12-31-90
AWARD # SSAN 531-56-2969
MSN L&S COMPUTER SCI (144-BU55) 14,000.00
41. DOD, ARMY
RESEARCH TRIANGLE PARK, NC
MATERIALS PROCESSING AND MICROSTRUCTURE CONTROL
IN HIGH TEMPERATURE ORDERED INTERMETALLICS
FOR THE PERIOD 08-15-90 THROUGH 08-14-91
AWARD # DAALO3-90-G-0183
MSN ENGR MAT SCI & ENGR (144-BU70) 249,250.00
42. US ARMY CONSTRUCTION ENGINEERING RESEARCH LAB
CHAMPAIGN, IL
PRIME CONTRACTOR WITH DOD ARMY
MICROFILTRATION TECHNOLOGY TO REMOVE NC FINES
FOR THE PERIOD 08-29-90 THROUGH 12-30-90
AWARD # DACA8890M1640
MSN ENGR CIVIL & ENV ENGR (144-BW39) 9,900.00
43. DOD, NAVY
ANNAPOLIS, MD
INTERGOVERNMENTAL PERSONNEL ASSIGNMENT AGREEMENT
FOR THE PERIOD 08-13-90 THROUGH 06-12-91
AWARD # AGR DTD 08-29-90
MSN L&S HISTORY (144-BU60) 60,805.00
44. ENERGY, DEPT OF
IDAHO FALLS, ID
REACTOR FUEL ASSISTANCE
FOR THE PERIOD 07-01-88 THROUGH 10-30-93
AWARD # C87-101251 TASK 2
MSN ENGR NUC ENGR&E PHYSIC
45. ENERGY, DEPT OF
ARGONNE, IL
IN SUPPORT OF THE FOLLOWING:
- 1) FUSION REACTOR DESIGN STUDIES
FOR THE PERIOD 11-01-89 THROUGH 10-31-90
AT A TOTAL COST OF \$175,000.00
AWARD # DE-FG02-89ER52158, MOD. 4
MSN ENGR ENGR EXPER STA FUSION TEC (144-BJ15) 90,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

- 2) FUSION PLASMA THEORY
TASK I: MAGNETIC CONFINEMENT FUSION PLASMA
THEORY
FOR THE PERIOD 11-16-89 THROUGH 11-15-90
AT A TOTAL COST OF \$267,000.00
AWARD # DE-FGO2-86ER53218, MOD. 2
MSN ENGR NUC ENGR&E PHYSIC (144-BJ33) 20,000.00
- 3) SPECTROSCOPY, REACTION AND PHOTODISSOCIATION
IN HIGHLY VIBRATIONALLY EXCITED MOLECULES
FOR THE PERIOD 03-01-90 THROUGH 02-28-91
AT A TOTAL COST OF \$98,308.00
AWARD # DE-FGO2-86ER13500, MOD. 8
MSN L&S CHEMISTRY (144-BK08) 12,500.00
- 4) THERMODYNAMICS, KINETICS, AND INTERFACE
MORPHOLOGIES OF PHASE FORMATION REACTIONS BETWEEN
METALS AND GALLIUM ARSENIDE: BULK VS THIN-FILM
STUDIES
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # DE-FGO2-86ER45274, MOD. 4
MSN ENGR MAT SCI & ENGR (144-BR56) 108,460.00
- 5) STELLARATOR TRANSPORT THEORY
FOR THE PERIOD 09-01-90 THROUGH 07-31-91
AWARD # DE-FGO2-85ER53201, MOD. 6
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-BS60) 40,000.00
- 6) NEW PROCESS MODELLING, DESIGN, AND CONTROL
STRATEGIES FOR ENERGENCY EFFICIENCY, HIGH PRODUCT
QUALITY, AND IMPROVED PRODUCTIVITY IN THE PROCESS
INDUSTRIES
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # DE-FGO2-86ER13551, MOD. 5
MSN ENGR CHEMICAL ENGR (144-BU18) 104,170.00
- 7) MECHANISM FOR THE SELECTIVE CONJUGATION OF
UBIQUITIN TO PHYTOCHROME
FOR THE PERIOD 08-15-90 THROUGH 08-14-91
AWARD # DE-FGO2-88ER13968, MOD. 2
MSN AG&LSC HORTICULTURE (144-BU50) 73,950.00
- 8) HIGH POWER MICROWAVE TRANSMISSION SYSTEMS FOR
ELECTRON CYCLOTRON RESONANCE PLASMA HEATING
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # DE-FGO2-85ER52122, MOD. 6
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-BU76) 210,000.00
- 9) THEORETICAL STUDIES OF TURBULENCE AND ANOMALOUS
TRANSPORT IN TOROIDAL CONFINEMENT DEVICES
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # DE-FGO2-89ER53291, MOD. 1
MSN L&S PHYSICS (144-BW12) 100,000.00
46. SANDIA NATIONAL LABORATORIES
ALBUQUERQUE, NM
PRIME CONTRACTOR WITH DOE
STATEMENT OF WORK FOR WOOD MODELING
FOR THE PERIOD 08-15-90 THROUGH 08-31-92
AWARD # CONTRACR #66-1924
MSN ENGR CIVIL & ENV ENGR (144-BW04) 99,980.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

47. ARGONNE NATIONAL LABORATORY
ARGONNE, IL
PRIME CONTRACTOR WITH DOE
SERVICES OF INDIVIDUAL
FOR THE PERIOD 06-18-90 THROUGH 06-30-91
AWARD # PO #060614
MSN L&S PHYSICS (144-BU29) 10,440.00
48. ARGONNE NATIONAL LABORATORY
ARGONNE, IL
PRIME CONTRACTOR WITH DOE
RFP: FEASIBILITY STUDIES FOR THE ATMOSPHERIC
RADIATION MEASUREMENT PROGRAM
FOR THE PERIOD 08-09-90 THROUGH 12-31-90
AWARD # CONTRACT #02182401
MSN L&S METEOROLOGY (144-BW02) 45,000.00
49. EG & G IDAHO, INC
IDAHO FALLS, ID
PRIME CONTRACTOR WITH DOE
STEAM GENERATOR TUBE RUPTURE FOR A LIQUID METAL-
WATER SYSTEM: RELIABILITY AND PHENOMENOLOGICAL
MODELLING
FOR THE PERIOD 07-11-83 THROUGH 10-31-90
AT A TOTAL COST OF \$262,502.00
AWARD # CB3-100174
MSN ENGR NUC ENGR&E PHYSC (144-T613) 3,689.00
50. LAWRENCE LIVERMORE NATIONAL LABORATORY
LIVERMORE, CA
PRIME CONTRACTOR WITH DOE
X-RAY LENS DESIGN
FOR THE PERIOD 08-24-90 THROUGH 11-30-90
AWARD # PO #RU6824
MSN ENGR ENGR EXPER STA X-RAY LITH (144-BU44) 10,008.00
51. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC
GASTRIC CANCER MORTALITY AND NITRATES IN
DRINKING WATER IN WISCONSIN
FOR THE PERIOD 08-23-88 THROUGH 10-31-90
AT A TOTAL COST OF \$54,679.00
AWARD # CR815151-01-0, MOD. 3
MSN HS-MED PREVENTIVE MED (144-AN79) 9,000.00
52. WI DEPT OF HEALTH & SOCIAL SERVICES
MADISON, WI
PRIME CONTRACTOR WITH EPA
RADON: WISCONSIN PUBLIC INFORMATION PROJECT
FOR THE PERIOD 07-01-90 THROUGH 05-31-91
AWARD # AGR DTD 08/06/90
MSN FR&CS FAM RSRC&CNSM SC ADMIN (144-BU17) 25,000.00
53. INTERIOR, DEPT OF
OMAHA, NE
GREAT LAKES COOPERATIVE PARK STUDIES UNIT
FOR THE PERIOD 01-01-90 THROUGH 09-30-90
AT A TOTAL COST OF \$29,178.00
AWARD # CA6000-O-8005, MOD. 1
MSN ENV ST CPSU (144-BM38) 10,850.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

54. INTERIOR, DEPT OF
RESTON, VA
INTERGOVERNMENTAL PERSONNEL ASSIGNMENT AGREEMENT
FOR THE PERIOD 08-28-89 THROUGH 05-27-90
AT A TOTAL COST OF \$30,232.98
AWARD # AGR DTD 06-16-89, MOD. 1
MSN ENGR CIVIL & ENV ENGR (144-BD06) 8,137.98
55. WI DEPT OF NATURAL RESOURCES
MADISON, WI
PRIME CONTRACTOR WITH INTER
INTEGRATED MANAGEMENT OF THE LITTORAL ZONE AND
FISHERIES
FOR THE PERIOD 08-17-90 THROUGH 06-30-91
AWARD # PO #NRA90622
MSN L&S LIMNOLOGY CTR (144-BP74) 103,368.00
56. INTER, FISH AND WILDLIFE SERVICE
MADISON, WI
ENVIRONMENTAL CONTAMINANTS, EMBRYONIC ANOMALIES
AND PRODUCTIVITY IN MIGRATORY BIRDS
FOR THE PERIOD 05-01-88 THROUGH 09-30-92
AT A TOTAL COST OF \$231,500.00
AWARD # 14-16-00019-1511 WD29, MOD. 4
MSN AG&LSC N R-WILDLIF ECOL (144-AP80) 9,000.00
57. NATIONAL AERONAUTICS AND SPACE ADMIN
CLEVELAND, OH
EXPERIMENTAL EVALUATION OF HIGH FREQUENCY TIME
HARMONIC LOSSES IN INDUCTION MACHINES
FOR THE PERIOD 07-24-90 THROUGH 07-23-91
AWARD # NAG3-1197
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-BU83) 49,400.00
58. MCDONNELL DOUGLAS
HUNTINGTON BEACH, CA
PRIME CONTRACTOR WITH NASA
PHASE B SYSTEM DEFINITION STUDY OF THE 1.8 METER
CENTRIFUGE FACILITY
FOR THE PERIOD 02-20-90 THROUGH 09-30-90
AT A TOTAL COST OF \$50,000.00
AWARD # LTR CONTRACT#96716074, MOD. 2
MSN ENGR ENGR EXPER STA SPAC COMM (144-BM39) 30,000.00
59. JET PROPULSION LABORATORY
PASADENA, CA
PRIME CONTRACTOR WITH NASA
THE INTERACTION OF VUV RADIATION WITH
SPACE-RELATED POLYMERS: WAVELENGTH DEPENDENT
MATERIAL DEGRADATION
FOR THE PERIOD 08-03-90 THROUGH 12-31-90
AWARD # CONTRACT #958858
MSN GRAD SYNCHR RAD CTR SRC ADMIN (144-BW01) 26,450.00
60. CALIFORNIA INSTITUTE OF TECHNOLOGY
PASADENA, CA
PRIME CONTRACTOR WITH NASA
WIDE FIELD PLANETARY CAMERA FOR SPACE TELESCOPE
FOR THE PERIOD 01-01-84 THROUGH 09-30-90
AT A TOTAL COST OF \$520,000.00
AWARD # 65B-580912, MOD. 31
MSN L&S SPACE ASTRON LAB (144-U151) 10,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

61. NASA, AMES RESEARCH CENTER
MOFFETT FIELD, CA
IN SUPPORT OF THE FOLLOWING:
- 1) SOFT DENSE FIBROUS CONNECTIVE TISSUE RESPONSE
TO HINDLIMB SUSPENSION
FOR THE PERIOD 06-01-89 THROUGH 04-30-91
AWARD # NAG 2-568, MOD. 5
MSN EDUC PHYS ED & DANCE BIODYN LAB (144-BG35) 58,200.00
 - 2) EFFECTS OF HYPOKINESIA/HYPODYNAMIA ON GROWING AND
REGENERATING SKELETAL MUSCLE
FOR THE PERIOD 06-01-90 THROUGH 12-31-90
AWARD # NAG 2-671
MSN HS-MED ANATOMY (144-BU97) 48,000.00
62. NASA, GODDARD SPACE FLIGHT CENTER
GREENBELT, MD
IN SUPPORT OF THE FOLLOWING:
- 1) INVESTIGATION OF DATA FROM THE ATMOSPHERIC
INFRARED SOUNDER (AIRS) FACILITY INSTRUMENT
ON EARTH OBSERVING SYSTEM (EOS)
FOR THE PERIOD 01-29-90 THROUGH 12-14-90
AT A TOTAL COST OF \$25,000.00
AWARD # NAS5-30770, MOD. 1
MSN GRAD SPACE SCI&ENG CT (144-BL09) 15,000.00
 - 2) MODELING ENERGY AND MASS FLUXES FROM PRAIRIE
CANOPIES
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # NAG5-1416
MSN AG&LSC SOIL SCIENCE (144-BU11) 25,384.00
 - 3) COOLING OPTIONS FOR ASTROMAG
FOR THE PERIOD 09-01-90 THROUGH 12-31-90
AWARD # NAG5-1417
MSN ENGR NUC ENGR&E PHYSC (144-BU28) 10,000.00
 - 4) ENERGY DIAGNOSTICS AND IMPACT STUDIES OF FGGE
GLOBAL DATA SETS AND GLAS GCM SIMULATIONS
FOR THE PERIOD 08-01-83 THROUGH 12-31-90
AWARD # NAG 5-81, MOD. 13
MSN GRAD SPACE SCI&ENG CT (144-T525) 77,378.00
 - 5) HIGH SPEED PHOTOMETER GTO SUPPORT
(FY90 FUNDS REDUCED PER NASA REQUEST, FUNDS
TO BE RESTORED IN FY91)
FOR THE PERIOD 05-01-86 THROUGH 09-30-90
AT A TOTAL COST OF \$1,055,000.00
AWARD # NAS5-29448, MOD. 13
MSN L&S SPACE ASTRON LAB (144-X910) 262,000.00-
63. NASA, HEADQUARTERS
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

- 1) THEORETICAL STUDIES OF INTERSTELLAR DUST
FOR THE PERIOD 06-01-89 THROUGH 05-31-91
AT A TOTAL COST OF \$91,989.00
AWARD # NAGW-1768, MOD. 1
MSN L&S ASTRONOMY (144-BA83) 54,001.00
- 2) EFFECTS AND DIAGNOSTICS OF SHOCKS
IN HOT STAR WINDS
FOR THE PERIOD 06-01-90 THROUGH 12-31-90
AWARD # NAGW-2210
MSN ENGR ENGR EXPER STA FUSION TEC (144-BN41) 69,737.00
64. NASA, MARSHALL SPACE FLIGHT CENTER
MARSHALL SPACE FLIGHT CENTER, AL
IN SUPPORT OF THE FOLLOWING:
- 1) INVESTIGATIONS IN SUPPORT OF THE DEVELOPMENT OF
THE NASA GEOPATFORM PROGRAM
FOR THE PERIOD 01-01-90 THROUGH 04-30-90
AWARD # NAS8-38499
MSN GRAD SPACE SCI&ENG CT (144-BN60) 109,040.00
- 2) WISCONSIN ULTRAVIOLET PHOTO-POLARIMETER EXPERIMENT
FOR THE PERIOD 09-04-81 THROUGH 08-10-90
AT A TOTAL COST OF \$11,121,760.00
AWARD # NAS5-26777, MOD. 47
MSN L&S SPACE ASTRON LAB (144-R418) 148,000.00
65. NATIONAL ENDOWMENT FOR THE ARTS
WASHINGTON, DC
INVESTIGATION OF SCIENTIFIC KNOWLEDGE INTEGRATION
IN LANDSCAPE ARCHITECTURE PLANNING AND DESIGN
FOR THE PERIOD 09-03-90 THROUGH 08-31-91
AWARD # 90-4251-0083
MSN AG&LSC NR-LANDSCAP ARCH (144-BW46) 22,500.00
66. NATIONAL SCIENCE FOUNDATION
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
- 1) MICROMECHANICAL COMPONENT PRODUCTION VIA X-RAY
LITHOGRAPHY AND PRECISION METAL PLATING
FOR THE PERIOD 08-15-88 THROUGH 01-31-92
AT A TOTAL COST OF \$604,940.00
AWARD # EET-8815285, MOD. 3
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-AN98) 8,940.00
- 2) JAPANESE LANGUAGE FELLOWSHIP (REDUCED DUE TO
RESIGNATION OF FELLOW FROM PROGRAM)
FOR THE PERIOD 08-15-88 THROUGH 01-31-89
AT A TOTAL COST OF \$7,489.77
AWARD # INT-8815735, MOD. 1
MSN GRAD L&S COMPUT SCI (144-AP01)
- 3) JAPANESE LANGUAGE FELLOWSHIP (REDUCED DUE TO
RESIGNATION OF FELLOW FROM PROGRAM)
FOR THE PERIOD 08-15-88 THROUGH 01-31-90
AT A TOTAL COST OF \$7,418.25
AWARD # INT-8815471, MOD. 1
MSN GRAD L&S GEOL&GEOPH (144-AP03) 981.75-

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

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| 4) | DYNAMICS AND MAINTENANCE OF THE INTERTROPICAL CONVERGENCE ZONES
(REDUCED DUE TO TRANSFER OF PI TO ANOTHER INSTITUTION)
FOR THE PERIOD 05-01-89 THROUGH 08-31-90
AT A TOTAL COST OF \$48,498.00
AWARD # ATM-8822980, MOD. 1
MSN L&S METEOROLOGY | (144-AW92) | 47,200.00- |
| 5) | OBSERVATION OF VERY HIGH ENERGY GAMMA RAY SOURCES FROM THE SOUTH POLE
FOR THE PERIOD 06-15-89 THROUGH 04-30-92
AT A TOTAL COST OF \$214,692.00
AWARD # DPP-8818918, MOD. 4
MSN L&S PHYSICS | (144-AX58) | 95,143.00 |
| 6) | CLIMATE AND METEOROLOGY OF THE GREENLAND CREST
FOR THE PERIOD 06-15-89 THROUGH 05-31-91
AT A TOTAL COST OF \$138,122.00
AWARD # DPP-8821804, MOD. 1
MSN L&S METEOROLOGY | (144-BC13) | 68,600.00 |
| 7) | PRESIDENTIAL YOUNG INVESTIGATOR AWARD:
CHARACTERIZATION AND REACTIVITY OF ORGANIC INTERMEDIATES BY MATRIX ISOLATION SPECTROSCOPY
FOR THE PERIOD 07-01-89 THROUGH 06-30-91
AT A TOTAL COST OF \$108,300.00
AWARD # CHE-8957529, MOD. 1
MSN L&S CHEMISTRY | (144-BC21) | 62,000.00 |
| 8) | WEAK LINKS, GRAIN BOUNDARIES AND SURFACES OF HIGH-TEMPERATURE SUPERCONDUCTORS
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AT A TOTAL COST OF \$811,800.00
AWARD # DMR-8911332, MOD. 1
MSN ENGR ENGR EXPER STA SUPERCOND | (144-BF87) | 486,800.00 |
| 9) | HIGH-PERFORMANCE LINEAR INDUCTION MOTOR-BASED MATERIAL MOVER
FOR THE PERIOD 10-01-89 THROUGH 09-30-91
AT A TOTAL COST OF \$271,788.00
AWARD # DDM-8912361, MOD. 2
MSN ENGR ENGR EXPER STA MFG SY ENG | (144-BG59) | 3,960.00 |
| 10) | CRB: REPRODUCTIVE BIOLOGY OF THE COTTON-TOP TAMARIN IN COLOMBIA
FOR THE PERIOD 06-01-90 THROUGH 05-31-91
AT A TOTAL COST OF \$88,994.00
AWARD # BNS-8922741, MOD. 1
MSN L&S PSYCHOLOGY | (144-BP41) | 24,403.00 |
| 11) | SOCIAL CONSTRUCTIONS OF ACTIVISTS AND CONSTITUENTS IN COLLECTIVE ACTION
FOR THE PERIOD 09-01-90 THROUGH 08-30-91
AWARD # SES-9010528
MSN L&S SOCIOLOGY | (144-BQ50) | 45,044.00 |

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

- 12) MOLECULAR EVOLUTION IN BROCCINIA,
PITCAIRNIOIDEAE, AND ALLIED MONOCOTS
FOR THE PERIOD 08-01-90 THROUGH 07-31-92
AWARD # BSR-9007293
MSN L&S BOTANY (144-BQ73) 131,400.00
- 13) LEAF STRUCTURE IN RELATION TO SOLUTE TRANSPORT
AND PHLOEM LOADING
FOR THE PERIOD 07-15-90 THROUGH 06-30-91
AWARD # DCB-9001759
MSN L&S BOTANY (144-BQ85) 78,000.00
- 14) PETROGENESIS OF GARNET PERIODOTITES AND ECLOGITES
IN THE BOHEMIAN MASSIF, CZECHOSLOVAKIA
FOR THE PERIOD 07-01-90 THROUGH 06-30-92
AWARD # EAR-9004795
MSN L&S GEOL & GEOPHYSCS (144-BR24) 60,100.00
- 15) US-FINLAND COOPERATIVE RESEARCH: REGENERATION FOR
CHAINS WITH INFINITE MEMORY (MATHEMATICS)
FOR THE PERIOD 08-01-90 THROUGH 07-31-93
AWARD # INT-8922371
MSN L&S MATHEMATICS (144-BR78) 17,000.00
- 16) PRESIDENTIAL YOUNG INVESTIGATOR AWARD:
STRUCTURAL DYNAMICS AND SOLID MECHANICS
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AWARD # MSM-9058304
MSN ENGR MECHANICAL ENGR MECH ENGR (144-BS42) 25,000.00
- 17) THE ANTARCTIC AUTOMATIC WEATHER STATION CLIMATE
PROGRAM: 1990-1993
FOR THE PERIOD 09-01-90 THROUGH 08-31-93
AWARD # DPP-9015586
MSN L&S METEOROLOGY (144-BT61) 350,000.00
- 18) PRESIDENTIAL YOUNG INVESTIGATORS AWARD: SOURCES
AND APPLICATIONS FOR SHORT WAVELENGTH
ELECTROMAGNETIC RADIATION
FOR THE PERIOD 10-01-90 THROUGH 09-30-91
AWARD # ECS-9057675
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-BT75) 25,000.00
- 19) INTRAMOLECULAR HYDROGEN MIGRATION REACTIONS IN
REACTIVE ORGANIC AND ORGANOMETALLIC INTERMEDIATES
FOR THE PERIOD 09-01-90 THROUGH 01-31-92
AWARD # CHE-9003319
MSN L&S CHEMISTRY (144-BT95) 80,500.00
- 20) MULTIELECTRODE IMPEDANCE-BASED VENTILATION
MONITORING
FOR THE PERIOD 08-01-90 THROUGH 07-31-91
AWARD # BCS-9012782
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-BT99) 80,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

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| 21) | MATHEMATICAL SCIENCES RESEARCH EQUIPMENT 1990
FOR THE PERIOD 07-15-90 THROUGH 06-30-93
AWARD # DMS-9004628
MSN L&S MATHEMATICS (144-BU01) | 30,000.00 |
| 22) | PRESIDENTIAL YOUNG INVESTIGATOR AWARD:
MATHEMATICAL SCIENCE
FOR THE PERIOD 07-15-90 THROUGH 06-30-91
AWARD # DMS-9058492
MSN L&S MATHEMATICS (144-BU04) | 37,500.00 |
| 23) | THREE-DIMENSIONAL SEISMIC IMAGING:
APPLICATION TO THE SANTA CRUZ MOUNTAINS,
CALIFORNIA
FOR THE PERIOD 08-15-90 THROUGH 07-31-91
AWARD # EAR-9011784
MSN L&S GEOL & GEOPHYSICS GEO&POL R (144-BU06) | 60,000.00 |
| 24) | TRANSGENIC MODIFICATION OF THE VISUAL SYSTEM
FOR THE PERIOD 08-15-90 THROUGH 07-31-91
AWARD # BNS-9015226
MSN GRAD WAISMAN CENTER (144-BU07) | 30,000.00 |
| 25) | INTERFACES AND TRANSPORT PROCESSES IN
FLOATING-ZONE CRYSTAL GROWTH
FOR THE PERIOD 09-15-90 THROUGH 08-31-92
AWARD # CTS-9015217
MSN ENGR MAT SCI & ENGR (144-BU09) | 200,000.00 |
| 26) | EVALUATION AND DESIGN OF ABSORPTION POWER CYCLES
FOR THE PERIOD 09-01-90 THROUGH 08-31-92
AWARD # CTS-9011996
MSN ENGR ENGR EXPER STA SOLAR ENRG (144-BU12) | 89,000.00 |
| 27) | THE CONTROL OF TIME-VARYING SINGULAR SYSTEMS:
THEORY AND APPLICATION
FOR THE PERIOD 09-01-90 THROUGH 08-31-92
AWARD # ECS-8920081
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-BU14) | 124,377.00 |
| 28) | CHARACTERIZING A NEUROPEPTIDE GENE
FOR THE PERIOD 08-15-90 THROUGH 07-31-91
AWARD # BNS-9002151
MSN L&S ZOOLOGY (144-BU16) | 20,636.00 |
| 29) | INTEGRATING EXPLANATION-BASED AND NEURAL
APPROACHES TO MACHINE LEARNING
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # IRI-9002413
MSN L&S COMPUTER SCI (144-BU21) | 51,030.00 |
| 30) | PRESIDENTIAL YOUNG INVESTIGATOR AWARD: DATABASE
PROGRAMMING LANGUAGES
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # IRI-9057562
MSN L&S COMPUTER SCI (144-BU31) | 25,000.00 |

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

- 31) RPG: RADULAR VARIABILITY IN THE HERBIVOROUS
GASTROPODS LACUNA
FOR THE PERIOD 08-01-90 THROUGH 07-31-91
AWARD # BSR-9009070
MSN L&S ZOOLOGY (144-BU75) 12,000.00
- 32) US-WEST EUROPE WORKSHOP ON GENES AND
DEVELOPMENT: MOLECULAR AND LOGICAL THEMES FROM
PHAGE TO METAZOA; PROVENCE, FRANCE; MAY 7-11, 1990
FOR THE PERIOD 08-01-90 THROUGH 01-31-91
AWARD # INT-8913441
MSN HS-MED ONCOLOGY (144-BU77) 4,000.00
- 33) CORRELATED EVOLUTION OF CONTINUOUS TRAITS:
A SIMULATION STUDY
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # BSR-9006083
MSN L&S ZOOLOGY (144-BU78) 20,000.00
- 34) ASYMPTOTICALLY EFFICIENT ADAPTIVE CONTROL
OF STOCHASTIC SYSTEMS
FOR THE PERIOD 09-15-90 THROUGH 08-31-91
AWARD # ECS-8919818
MSN ENGR ELEC & COM ENGR ELEC&COMP (144-BW38) 50,000.00
- 35) COMPARATIVE STUDIES OF A SUITE OF
LAKES IN WISCONSIN
FOR THE PERIOD 01-01-86 THROUGH 06-30-91
AT A TOTAL COST OF \$2,216,895.00
AWARD # BSR-8514330, MOD. 10
MSN L&S LIMNOLOGY CTR (144-X524) 50,000.00
67. U S INFORMATION AGENCY
WASHINGTON, DC
UNIVERSITY AFFILIATION PROGRAM: UNIVERSITY OF
WISCONSIN-MADISON WITH CENTRO AGRONOMICO TROPICAL
DE INVESTIGACION Y ENSEANZA. INTERACTIONS OF
ENVIRONMENTAL MANAGEMENT AND AGRICULTURAL
DEVELOPMENT
FOR THE PERIOD 09-01-90 THROUGH 08-31-93
AWARD # IA-ASJL-GO190275
MSN AG&LSC INTL AG PRGS-ADM (144-BU10) 99,821.00
68. VETERANS ADMIN
MADISON, WI
IN SUPPORT OF THE FOLLOWING:
- 1) INTERGOVERNMENTAL PERSONNEL ASSIGNMENT AGREEMENT
FOR THE PERIOD 04-01-90 THROUGH 03-31-91
AWARD # AGR DTD 08-21-90
MSN HS-MED ANESTHESIOLOGY (144-BU98) 13,232.00
- 2) INTERGOVERNMENTAL PERSONNEL ASSIGNMENT AGREEMENT
FOR THE PERIOD 04-01-90 THROUGH 03-31-91
AWARD # AGR DTD 08-21-90
MSN HS-MED ANESTHESIOLOGY (144-BU99) 40,687.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

69.	WISCONSIN ALUMNI RESEARCH FOUNDATION MADISON, WI FACULTY ENHANCEMENT & ENDOWMENT FUND FOR THE PERIOD 07-01-90 THROUGH 06-30-91 MSN GRAD EDUCATION ART (135-0061)	38,430.00
70.	CANCER RESEARCH - MCARDLE MEMORIAL LABORATORY MSN HS-MED ONCOLOGY (133-A250)	
	469.00 MULTIPLE DONORS 4,000.00 PROMEGA CORPORATION MADISON, WI	4,469.00
71.	GREATER RANDOM LAKE/ADELL UNITED FUND RANDOM LAKE, WI GENERAL MEDICAL RESEARCH MSN HS-MED (133-A253)	900.00
72.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF GYNECOLOGY AND OBSTETRICS RESEARCH AND DEVELOPMENT FUND MSN HS-MED OBSTET & GYNECOL (133-A522)	76,421.39
73.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF MEDICINE RESEARCH AND DEVELOPMENT FUND MSN HS-MED MEDICINE (133-A525)	82,806.22
74.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF ANESTHESIOLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED ANESTHESIOLOGY (133-A532)	14,029.00
75.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ADOLF AND ELLA FRANKENTHAL MEMORIAL FUND MSN AG&LSC MEAT& ANIMAL SCI (133-A839)	5,000.00
76.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF UROLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY UROLOGY (133-C455)	46,973.00
77.	AMERICAN FOUNDATION FOR PHARMACEUTICAL EDUCATION NORTH PLAINFIELD, NJ RESEARCH AND EDUCATION OF OUTSTANDING GRADUATE STUDENTS IN PHARMACY MSN HS-PHR PHARMACY (133-C504)	31,250.00
78.	ROBERT G KAUFFMAN MADISON, WI LIVESTOCK AND MEAT DISTRIBUTION MSN AG&LSC MEAT& ANIMAL SCI (133-C865)	700.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

79.	FERMENTA ASC CORPORATION MENTOR, OH CORN INSECT RESEARCH MSN AG&LSC ENTOMOLOGY	(133-C975)	1,400.00
80.	MULTIPLE DONORS LEUKEMIA IMMUNITY INVESTIGATION FUND MSN HS-MED PEDIATRICS	(133-DO16)	510.00
81.	WINTHROP PHARMACEUTICALS NEW YORK, NY WINTHROP RESEARCH FELLOW IN NEURORADIOLOGY MSN HS-MED RADIOLOGY DIAGNOSTIC	(133-D368)	18,500.00
82.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH AND EDUCATIONAL PROGRAMS IN THE DEPARTMENT OF HUMAN ONCOLOGY MSN HS-MED HUMAN ONCOLOGY	(133-D448)	15,000.00
83.	SURFACE AREA STUDIES MSN HS-PHR PHARMACY	(133-D484)	
	2,000.00 MERCK SHARP & DOHME WEST POINT, PA		
	700.00 RORER PHARMACEUTICAL FORT WASHINGTON, PA		
	100.00 MULTIPLE DONORS		
			2,800.00
84.	SAFETY DIAGNOSTICS, INC. EVANSTON, IL JUVENILE DIABETES RESEARCH AND EDUCATION MSN HS-MED PEDIATRICS	(133-D512)	650.00
85.	MYCOGEN CORPORATION SAN DIEGO, CA INSECT PEST MANAGEMENT MSN AG&LSC ENTOMOLOGY	(133-D617)	500.00
86.	MULTIPLE DONORS DAIRY PRODUCTION RESEARCH MSN AG&LSC DAIRY SCIENCE	(133-E364)	100.00
87.	WISCONSIN LAW ALUMNI ASSOCIATION MADISON, WI LAW SCHOOL DEAN'S DISCRETIONARY FUND MSN LAW LAW SCHOOL	(133-E839)	6,516.27
88.	ABLEX PUBLISHING CORPORATION NORWOOD, NJ EDITORIAL SUPPORT FOR "LIBRARY RESEARCH": AN INTERNATIONAL JOURNAL MSN L&S LIB&INF ST	(133-E910)	1,750.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

89.	ACUTE LEUKEMIA/BONE MARROW TRANSPLANTATION RESEARCH FUND MSN HS-MED MEDICINE	HEMATOLOGY (133-E923)	
	500.00	SANDOZ PHARMACEUTICALS CORPORATION EAST HANOVER, NJ	
	537.00	JOYCE BRAIN APPLETON, WI	
			1,037.00
90.	PEDIATRICS HEMATOLOGY/ONCOLOGY PATIENT CARE MSN HS-MED PEDIATRICS	(133-E936)	
	2,000.00	DELTA DELTA DELTA MADISON, WI	
	1,000.00	MULTIPLE DONORS	
			3,000.00
91.	FOUNDATION FOR INTERNATIONAL SCIENTIFIC COOPERATION MADISON, WI PROGRAM FOR THE DEVELOPMENT OF A PREVENTIVE HEALTH SERVICE PROGRAM FOR VIETNAM MSN HS-MED PREVENTIVE MED	(133-F298)	12,000.00
92.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RESEARCH ASSISTANCE MSN L&S ECONOMICS	(133-F325)	34.00
93.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CULTURED THYMUS RESEARCH FUND MSN HS-MED PEDIATRICS	(133-F549)	4,000.00
94.	EASTERN ARTIFICIAL INSEMINATION COOPERATIVE ITHACA, NY MECHANISMS OF VIRAL PATHOGENESIS MSN VET M PATHOBIOLOGCL SCI	(133-F663)	1,050.00
95.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PROGRAM ENHANCEMENT FOR THE CARDIOLOGY SECTION OF THE DEPARTMENT OF MEDICINE MSN HS-MED MEDICINE	CARDIOLOGY (133-G105)	37,500.00
96.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI BIOFEEDBACK CLINIC SUPPORT MSN HS-MED NEUROLOGY	(133-G648)	2,296.33
97.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI COGNITIVE RETRAINING PROGRAM MSN HS-MED NEUROLOGY	(133-G805)	5,894.94

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

98.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	(133-H760)	199,000.00
99.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF GENERAL SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	GEN SURG (133-H762)	20,000.00
100.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF NEUROSURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED NEURO SURG	NUERO SURG (133-H763)	175,000.00
101.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF ORTHOPEDIC SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	ORTHO SURG (133-H764)	160,000.00
102.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF PLASTIC SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	DENT&P SRG (133-H766)	15,000.00
103.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF UROLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	UROLOGY (133-H767)	2,500.00
104.	LILLY RESEARCH LABORATORIES INDIANAPOLIS, IN USE OF HUMAN PROINSULIN (RDNA) ALONE OR IN COMBINATION WITH REGULAR HUMAN INSULIN (RDNA) IN TYPE I AND TYPE II DIABETIC PATIENTS WHO HAVE NEVER RECEIVED INSULIN "CLIN" (REDUCED TO REFLECT TERMINATION OF CLINICAL TRIAL) AWARD # 11976D MSN HS-MED OPHTHALMOLOGY	(133-H922)	9,239.99-
105.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI OCULAR COMPLICATIONS OF DIABETES RESEARCH MSN HS-MED OPHTHALMOLOGY	(133-H924)	3,000.00
106.	MULTIPLE DONORS WEED RESEARCH MSN AG&LSC HORTICULTURE	(133-J401)	480.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

107.	GLAXO, INC. RESEARCH TRIANGLE PARK, NC GENERAL PHARMACY ADMINISTRATION RESEARCH MSN HS-PHR PHARMACY	(133-K005)	750.00
108.	MULTIPLE DONORS DISCRETIONARY FUND IN THE DEPARTMENT OF MEDICINE MSN HS-MED MEDICINE	HEMATOLOGY (133-K061)	38.44
109.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI VISITING LECTURER DISBURSEMENT ACCOUNT MSN L&S HISTORY	(133-K063)	500.00
110.	ROHM AND HAAS COMPANY SPRING HOUSE, PA UNRESTRICTED GRANT IN SUPPORT OF RESEARCH ON DISEASE MANAGEMENT IN WISCONSIN FRUIT CROPS MSN AG&LSC PLANT PATHOLOGY	(133-K284)	2,250.00
111.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SHAW SCHOLAR MSN GRAD AGR & LIFE SCI BIOCHEM	(133-K319)	35,000.00
112.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SHAW SCHOLAR MSN GRAD VETERINARY MED PATHOBIOL	(133-K320)	35,000.00
113.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FRANK W AND JANE KUEHL SCHOLARSHIPS MSN LAW LAW SCHOOL	(133-K757)	1,050.00
114.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI JOHN WATTAWA MEMORIAL SCHOLARSHIPS MSN LAW LAW SCHOOL	(133-K758)	2,150.00
115.	GENETIC VISIONS, INC. MADISON, WI PROBING FOR GENETIC MARKERS IN BULL SEMEN MSN AG&LSC DAIRY SCIENCE	(133-K829)	2,800.00
116.	MULTIPLE DONORS INVESTIGATIONS OF BEEF CATTLE NUTRITION MSN AG&LSC MEAT& ANIMAL SCI	(133-K952)	150.00
117.	STUART PHARMACEUTICALS WILMINGTON, DE TAMOXIFEN COMPLIANCE "CLIN" AWARD # CLIN MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL	(133-L004)	35,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

118.	SCOTT PAPER COMPANY PHILADELPHIA, PA BIOPULPING CONSORTIUM MSN GRAD BIOTECHNOLGY CTR	(133-L093)	1,240.78
119.	MULTIPLE DONORS U.W. ORTHOPEDIC RESIDENT RESEARCH FUND MSN HS-MED SURGERY ORTHO SURG	(133-L411)	200.00
120.	MODINE MANUFACTURING COMPANY RACINE, WI KNOWLEDGE-BASED SCHEDULING SYSTEMS MSN ENGR INDUSTRIAL ENGR	(133-L417)	4,000.00
121.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI APPLIED ELECTROMAGNETICS RESEARCH MSN ENGR ELEC & COM ENGR ELEC&COMP	(133-L450)	150.00
122.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SHAW SCHOLAR MSN GRAD MEDICAL SCHOOL ONCOLOGY	(133-L787)	35,000.00
123.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SHAW SCHOLAR MSN GRAD MEDICAL SCHOOL PHYS CHEM	(133-L788)	35,000.00
124.	WISCONSIN INNOVARIUM, LTD MILWAUKEE, WI SUPPORT OF RESEARCH AND GRADUATE ASSISTANTS IN THE FIELD OF MEDICAL PHYSICS MSN HS-MED MEDICAL PHYSICS	(133-L895)	60,000.00
125.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI STUDY EFFECTS OF TREATMENTS OF BRAIN TUMORS MSN HS-MED NEURO SURG NUERO SURG	(133-L942)	35,000.00
126.	BURROUGHS WELLCOME COMPANY RESEARCH TRIANGLE PARK, NC PHASE 111 STUDY OF WELLFERON AS ADJUVANT TREATMENT FOR RESECTABLE RENAL CELL CARCINOMA (EST 2886) MSN HS-MED HUMAN ONCOLOGY EAST COOP	(133-M080)	50,000.00
127.	UNIVERSAL FOODS MILWAUKEE, WI UW BIOPROCESS AND METABOLIC ENGINEERING CONSORTIUM MSN GRAD BIOTECHNOLGY CTR	(133-M124)	7,500.00
128.	HURON MOUNTAIN WILDLIFE FOUNDATION CHICAGO, IL HURON MOUNTAINS RESEARCH MSN L&S GEOL & GEOPHYSICS	(133-M199)	7,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

129.	LIPHATECH, INC. MILWAUKEE, WI BIOCONTROL OF DAMPING OFF BY BACILLUS CEREUS STRAIN UW85 MSN AG&LSC PLANT PATHOLOGY	(133-M678)	18,000.00
130.	MULTIPLE DONORS FOOD INSECTS RESEARCH AND DEVELOPMENT PROJECT MSN AG&LSC ENTOMOLOGY	(133-M749)	391.00
131.	UNIVERSITY OF MINNESOTA ST PAUL, MN SOIL AND WATER RESEARCH MSN AG&LSC AG ENGINEERING	(133-M793)	500.00
132.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF SURGICAL ONCOLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	ONCOLOGY (133-M810)	23,890.49
133.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SHAW SCHOLAR 1988-1993 MSN GRAD AGR & LIFE SCI	GENETICS (133-M823)	35,000.00
134.	MULTIPLE DONORS SKIN DISEASES IN DOMESTIC ANIMALS MSN VET M MEDICAL SCIENCES	(133-M864)	25.00
135.	ARCHIBALD O. HALLER MADISON, WI RESEARCH ON BRAZIL MSN AG&LSC RURAL SOCIOLOGY	(133-M882)	500.00
136.	BIOMET, INC. WARSAW, IN EVALUATION OF WISCONSIN FEMORAL COMPONENT FOR TOTAL HIP ARTHROPLASTY MSN HS-MED SURGERY	ORTHO SURG (133-M953)	600.00
137.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SHAW SCHOLAR 1988-1993 MSN GRAD AGR & LIFE SCI	BIOCHEM (133-N013)	35,000.00
138.	UNIVERSITY NEUROLOGICAL ASSOCIATES MADISON, WI QUANTITATIVE SENSORY LAB OPERATING ACCOUNT MSN HS-MED NEUROLOGY	(133-N015)	1,105.99
139.	MERCK SHARPE & DOHME RESEARCH LABORATORIES RAHWAY, NJ A DOUBLE-BLIND, PLACEBO-CONTROLLED ANGIOGRAPHIC STUDY TO EVALUATE THE EFFECT OF MENINOLIN (LOVASTATIN) ON THE PROGRESSION RATE OF ARTHEROSCLEROSIS IN CORONARY ARTERIES OF PATIENTS WITH CORONARY HEART DISEASE "CLIN" AWARD # CLIN MSN HS-MED MEDICINE	CARDIOLOGY (133-N084)	206,222.50

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

140.	W M HYDRO SAN FRANCISCO, CA FRUIT & VEGETABLE RESEARCH MSN AG&LSC HORTICULTURE	(133-N102)	6,240.00
141.	MULTIPLE DONORS EPILEPSY RESEARCH MSN HS-MED NEUROLOGY	(133-N119)	50.00
142.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI XENIA Z. GASIOROWSKA FELLOWSHIP-SLAVIC MSN L&S SLAVIC LANGUAGES	(133-N199)	6,817.00
143.	SUNTORY INSTITUTE FOR BIORGANIC RESEARCH JAPAN CONVERSION OF MADNMR MSN AG&LSC BIOCHEMISTRY	(133-N208)	510.00
144.	UPJOHN COMPANY KALAMAZOO, MI COLLABORATIVE FLEXIBLE-DOSE STUDY OF THE EFFICACY AND SAFETY OF DERACYN-SR TABLETS IN PANIC DISORDER WITH AGORAPHOBIA "CLIN" AWARD # CLIN MSN HS-PSY PSYCHIATRIC INST	(133-N247)	3,000.00
145.	MADISON METROPOLITAN SEWERAGE DISTRICT MADISON, WI TOXICITY CONTROL MSN ENGR CIVIL & ENV ENGR	(133-N296)	11,000.00
146.	WISCONSIN CHILDREN'S CENTER/MADISON CHILDREN'S MUSEUM INC. MADISON, WI SUPPORT FOR CENTER FOR ARTS ADMINISTRATION PROJECT ASSISTANTS MSN BUS SCH OF BUSINESS	(133-N331)	3,750.00
147.	AMERICAN INSTITUTE OF THE HISTORY OF PHARMACY MADISON, WI SONNEDECKER RESEARCH ASSISTANTSHIP FUND MSN HS-PHR PHARMACY	(133-N422)	5,454.03
148.	AMOCO CORPORATION NAPERVILLE, IL AMOCO BEAMLINE AT THE 1 GEV ELECTRON STORAGE RING AT A \$365,000 LEVEL MSN GRAD SYNCHR RAD CTR	(133-N439)	65,000.00
149.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PRESIDENTIAL YOUNG INVESTIGATOR AWARD MATCHING FUNDS MSN ENGR CHEMICAL ENGR	(133-N515)	23,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

150.	PFIZER, INC. NEW YORK, NY MODERN APPROACH TO THE TREATMENT OF HYPERTENSION MULTICENTER STUDY "CLIN" AWARD # CLIN MSN HS-MED PHARMACOLOGY	(133-N521)	1,125.00
151.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EVELYN M. MERCER PROFESSORSHIP MSN GRAD AGR & LIFE SCI BIOCHEM	(133-N602)	7,500.00
152.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI HISTORY OF CARTOGRAPHY MSN L&S GEOGRAPHY	(133-N780)	10,500.00
153.	NEW ENERGY & INDUSTRIAL TECH DEVELOPMENT ORG. TOKYO, JAPAN COOPERATIVE INTERNATIONAL DEVELOPMENT OF NOVEL NMR APPROACHES TO THE ELUCIDATION OF MOLECULAR RECOGNITION PROCESSES MSN AG&LSC BIOCHEMISTRY	(133-N824)	103,292.94
154.	PFIZER, INC. NEW YORK, NY DOUBLE-BLIND COMPARISON OF THREE DOSES OF SERTRALINE AND PLACEBO IN OUTPATIENTS WITH OBSESSIVE-COMPULSIVE DISORDER "CLIN" AWARD # 88-N-0171 MSN HS-PSY PSYCHIATRIC INST	(133-N826)	68,330.00
155.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AMERITECH-INTERACTIVITY SYMPOSIUM MSN GRAD L&S PHYSICS	(133-N876)	2,500.00
156.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AMERITECH - IMPACT OF NEW COMMUNICATION TECHNOLOGY MSN GRAD L&S MATH	(133-N877)	1,000.00
157.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AMERITECH - IMPACTS OF NEW COMMUNICATION TECHNOLOGY ON REHABILITATION OF PUBLIC INFRASTRUCTURE MSN GRAD ENGINEERING CIVIL&ENV	(133-N880)	1,000.00
158.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AMERITECH - GROUP PERFORMANCE EVALUATION IN REMOTE COMPUTER WORKSTATION NETWORKS MSN GRAD ENGINEERING INDUS ENGR	(133-N881)	1,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

159.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AMERITECH-TELECOMMUNICATIONS ACCESS FOR PERSONS WITH SEVERE/ MULTIPLE DISABILITIES MSN GRAD WAISMAN CENTER	(133-N882)	39,870.00
160.	ADRIA LABORATORIES COLUMBUS, OH EFFICACY AND SAFTY TRIAL OF TOREMIFEN VS. TAMOXIFEN IN POST MENOPAUSAL WOMEN WITH METASTATIC BREAST CANCER "CLIN" AWARD # CLIN MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL	(133-N961)	7,107.00
161.	BONE CARE INTERNATIONAL, INC. MADISON, WI BONE CARE FUND (REDUCTION REFLECTS DUPLICATE PAYMENT BY SPONSOR) MSN AG&LSC BIOCHEMISTRY	(133-N990)	8,268.13-
162.	CAMPBELL INSTITUTE FOR RESEARCH & TECHNOLOGY NAPOLEON, OH CUCUMBER RFLP PROJECT MSN AG&LSC HORTICULTURE	(133-P140)	3,840.00
163.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PLANT BREEDING AND PLANT GENETICS PROGRAM MSN AG&LSC HORTICULTURE	(133-P157)	788.00
164.	MCNEIL PHARMACEUTICAL SPRING HOUSE, PA ETOPERIDONE: EFFICACY AND SAFETY IN OUTPATIENTS WITH MAJOR DEPRESSION "CLIN" MSN HS-PSY PSYCHIATRIC INST	(133-P189)	18,382.00
165.	MULTIPLE DONORS PEDIATRIC ONCOLOGY RESEARCH MSN HS-MED PEDIATRICS	(133-P355)	574.00
166.	SUNTORY INSTITUTE FOR BIORGANIC RESEARCH JAPAN SOLUTION STRUCTURE OF A PROTEIN BY NMR SPECTROSCOPY MSN AG&LSC BIOCHEMISTRY	(133-P554)	90.00
167.	PICKLE PACKERS INTERNATIONAL, INC. ST. CHARLES, IL CUCUMBER RESEARCH MSN AG&LSC HORTICULTURE	(133-P586)	4,800.00
168.	GENENTECH, INC. SOUTH SAN FRANCISCO, CA TREATMENT OF CHILDREN DEMONSTRATING SUBNORMAL GROWTH WITH HGH (PROTROPIN) "CLIN" AWARD # CLIN MSN HS-MED PEDIATRICS	(133-P612)	2,400.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

169.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SHAW SCHOLAR 1989-1994 FOR THE PERIOD 07-01-89 THROUGH 06-30-94 MSN GRAD MOLECULAR BIOL	(133-P635)	35,000.00
170.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SHAW SCHOLAR 1989-1994 FOR THE PERIOD 07-01-89 THRU 06-30-94 MSN GRAD AGR & LIFE SCI BACT	(133-P646)	35,000.00
171.	BESSELAAR (G.H.) ASSOCIATES PRINCETON, NEW JERSEY MULTICENTER STUDY TO ASSESS THE EFFECTS OF DIGOXIN WITHDRAWAL ON EXERCISE TOLERANCE AND OTHER MEASURES OF CLINICAL EFFICACY IN PATIENTS WITH CHRONIC HEART FAILURE-ADJUSTED TO REFLECT THE RECENTLY TERMINATED STUDY MSN HS-MED MEDICINE	CARDIOLOGY (133-P681)	6,183.15-
172.	ANAQUEST MILBURN, NJ THE SAFETY AND EFFICACY OF PENTAMORPHONE VS. FENTANYL DURING THE INDUCTION AND MAINTENANCE OF GENERAL BALANCED ANESTHESIA IN ADULTS MSN HS-MED ANESTHESIOLOGY	(133-P713)	48,418.00
173.	SANDOZ RESEARCH INSTITUTE EAST HANOVER, NJ A DOUBLE-BLIND EVALUATION OF THE SAFETY AND EFFICACY OF ZK-112-119, ALPRAZOLAM AND PLACEBO IN OUTPATIENTS WITH PANIC DISORDER "CLIN" AWARD # CLIN MSN HS-PSY PSYCHIATRIC INST	(133-P860)	14,053.50
174.	HAZELTON LABORATORIES OF AMERICA MADISON, WI RESEARCH IN THE FIELD OF AIDS IN THE DEPARTMENT OF MEDICINE MSN HS-MED MEDICINE	RHEUMATOL (133-P889)	10,000.00
175.	SMITH KLINE AND FRENCH LABORATORIES KING OF PRUSSIA, PA RESEARCH IN PHARMACEUTICAL SCIENCES MSN HS-PHR PHARMACY	(133-P941)	15,000.00
176.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEPARTMENT OF SURGERY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	(133-P965)	23,925.92
177.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DIVISION OF UROLOGY RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY	UROLOGY (133-P971)	10,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

178.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI A RETROSPECTIVE STUDY OF PATIENTS WHO HAVE UNDERGONE LIVER TRANSPLANTATION FOR ALCOHOLIC CIRRHOSIS MSN HS-MED SURGERY GEN SURG (133-P982)	3,000.00
179.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI INTESTINAL TRANSPLANTATION: TECHNIQUES, FUNCTIONS, AND IMMUNOLOGY MSN HS-MED SURGERY GEN SURG (133-P983)	20,000.00
180.	AMOCO CORPORATION NAPERVILLE, IL OPERATION AND MAINTENANCE OF AMOCO BEAMLINE AT SRC MSN GRAD SYNCHR RAD CTR (133-Q072)	4,850.00
181.	RIKER LABORATORIES, INC. MINNESOTA MINING AND MANUFACTURING ST. PAUL, MN BIOLOGICAL ASSAYS OF RESPONSE MODIFICATION MSN HS-MED HUMAN ONCOLOGY IMMUNOLOGY (133-Q079)	1,400.00
182.	EXTREL CORPORATION MADISON, WI DEVELOPMENT OF A LOW-FIELD FOURIER TRANSFORM ION CYCLOTRON RESONANCE MASS SPECTROMETER MSN L&S CHEMISTRY (133-Q222)	6,241.60
183.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI AGE-RELATED EYE DISEASE STUDY MSN HS-MED OPHTHALMOLOGY (133-Q233)	30,000.00
184.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PAUL A. ELFERS CHAIR MSN ENGR CHEMICAL ENGR (133-Q295)	20,000.00
185.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MILTON SHOEMAKER CHAIR MSN ENGR CHEMICAL ENGR (133-Q296)	20,000.00
186.	BAUSCH AND LOMB ROCHESTER, NY THE SAFETY AND EFFICACY EVALUATION OF BL-1410- STL2 ARTIFICIAL TEAR LUBRICANT WHEN USED AS A TREATMENT FOR PRIMARY DRY EYE CONDITIONS "CLIN" AWARD # CLIN MSN HS-MED OPHTHALMOLOGY (133-Q599)	4,039.78
187.	DEVELOPMENT OF INVITRO PROCEDURES TO ESTIMATE RUMINAL DEGRADABILITY OF FEEDSTUFF PROTEIN MSN AG&LSC DAIRY SCIENCE (133-Q618)	
	3,000.00 WEST CENTRAL COOPERATIVE RALSTON, IA	
	200.00 MULTIPLE DONORS	
	200.00 MULTIPLE DONORS	
	3,500.00 WEST CENTRAL COOPERATIVE RALSTON, IA	

6,900.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

188.	EXPERT SYSTEMS FOR NEW PRODUCT EVALUATION MSN ENGR ENGR PRFSNL DVLP (133-Q632)		
	4,500.00	MARQUIP INC. PHILLIPS, WI	
	9,000.00	ANSUL FIRE PROTECTION MARINETTE, WI	
	4,500.00	ANSUL FIRE PROTECTION MARINETTE, WI	
			18,000.00
189.	GLAXO INC RESEARCH TRIANGLE PARK, NC TRAINING IN PULMONARY AND CRITICAL CARE MEDICINE MSN HS-MED MEDICINE PULMON MED (133-Q635)		6,000.00
190.	GLAXO, INC RESEARCH TRIANGLE PARK, NC TRAINING IN CARDIOLOGY MSN HS-MED MEDICINE CARDIOLOGY (133-Q636)		4,000.00
191.	GENERAL ELECTRIC MILWAUKEE, WI POSTGRADUATE TRAINING IN RADIOLOGY MSN HS-MED RADIOLOGY (133-Q644)		5,000.00
192.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ORGAN PRESERVATION RESEARCH AND DEVELOPMENT FUND MSN HS-MED SURGERY GEN SURG (133-Q646)		32,000.00
193.	SYNTEX LABORATORIES, INC. PALO ALTO, CA COMPARISON OF BREAK-THROUGH PAIN CONTROL, SAFETY, AND ACCEPTABILITY OF NAPROXEN AND DICLOFENAC SODIUM IN PATIENTS WITH OSTEOARTHRITIS OF THE KNEE "CLIN" AWARD # CLIN MSN HS-MED MEDICINE RHEUMATOL (133-Q695)		13,600.00
194.	VASCULAR TECHNICIAN EDUCATION FUND MSN HS-MED SURGERY GEN SURG (133-Q700)		
	1,000.00	BELLIN MEMORIAL HOSPITAL GREEN BAY, WI	
	100.00	MULTIPLE DONORS	
			1,100.00
195.	GENENTECH, INC. SOUTH SAN FRANCISCO, CA PHASE 4 OF THE NATIONAL COOPERATIVE GROWTH STUDY "CLIN" AWARD # CLIN MSN HS-MED PEDIATRICS (133-Q705)		1,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

196.	G D SEARLE & COMPANY CHICAGO, IL WISCONSIN KIDNEY RESEARCH PROGRAM MSN HS-MED MEDICINE NEPHROLOGY (133-Q728)	1,000.00
197.	CYSTIC FIBROSIS FOUNDATION BETHESDA, MD CHLORIDE CHANNELS RECONSTITUTED IN LIPID BILAYERS FOR THE PERIOD 05-01-90 THRU 04-30-91 AWARD # FO74 O-2 MSN HS-MED PHYSIOLOGY (133-Q739)	34,500.00
198.	PURDUE UNIVERSITY WEST LAFAYETTE, IN IMPLEMENTATION OF THE ROBOTIC LOGISTICS MODULE FOR THE PERIOD 10-01-89 THRU 09-30-91 AWARD # 45176 MSN ENGR CIVIL & ENV ENGR (133-Q771)	44,000.00
199.	UNIVERSITY PSYCHIATRY GROUP MADISON, WI DEPARTMENT SUPPLIES AND EXPENSES MSN HS-MED PSYCHIATRY (133-Q848)	3,625.00
200.	WISC DEPT OF NATURAL RESOURCES MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 05-14-90 THRU 05-31-91 AWARD # 90-11 TAVERA MSN ENGR CIVIL & ENV ENGR (133-Q864)	5,586.00
201.	WISCONSIN MILK MARKETING BOARD, INC. MADISON, WI CONSTRUCTION OF A DE-LACTIC DEHYDROGENASE NEGATIVE STRAIN OF LACTOBACILLUS HELVETICUS FOR THE PERIOD 07-01-90 THRU 06-30-93 AWARD # WMMB #90-19 MSN AG&LSC FOOD SCIENCE (133-R021)	137,355.00
202.	STERLING DRUG, INC. MALVERN, PA A PHASE II STUDY TO DETERMINE THE EFFECT OF PROPHYLACTIC DOSING OF WIN 54954 ON THE NATURAL HISTORY OF EXPERIMENTALLY-INDUCED HUMAN RHINOVIRUS-16 RESPIRATORY INFECTION "CLIN" AWARD # CLIN MSN HS-MED PREVENTIVE MED (133-R046)	29,564.50
203.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EFFECTS OF AMINO ACIDS ON POSTOPERATIVE RECOVERY FOLLOWING ORTHOTOPIC LIVER TRANSPLANTATION MSN HS-MED SURGERY GEN SURG (133-R082)	5,400.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

204.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI OPTIMIZATION OF FEMORAL TUNNEL ORIENTATION IN ACL SURGERY MSN HS-MED SURGERY	ORTHO SURG (133-R083)	9,840.00
205.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SELECTED METHODS OF HUMAN BLADDER CARCINOGENESIS MSN HS-MED SURGERY	UROLOGY (133-R084)	2,677.00
206.	WISC DEPT OF HEALTH AND SOCIAL SERVICES MADISON, WI STUDY OF STATE EFFORTS TO PROMOTE LONG TERM CARE INSURANCE FOR THE PERIOD 07-01-90 THRU 01-31-91 MSN ENGR ENGR EXPER STA HLTH SYS'S	(133-R136)	17,263.00
207.	WISC DEPT OF AGRICULTURE TRADE AND CONSUMER PROTECTION MADISON, WI COMPARISON OF MANURE AS AN ORGANIC FERTILIZER SOURCE AND COMMERCIAL FERTILIZER FOR THE ESTABLISHMENT AND PRODUCTION OF ALFALFA FOR THE PERIOD 04-13-88 THRU 12-30-90 AWARD # 9024 MSN AG&LSC SOIL SCIENCE	(133-R166)	7,418.90
208.	WISCONSIN POWER AND LIGHT COMPANY MADISON, WI THE USE OF FLY ASH FOR LIMING AGRICULTURAL SOILS AWARD # GO 901084 MSN AG&LSC SOIL SCIENCE	(133-R210)	6,900.00
209.	LIEBERT CORPORTION COLUMBUS, OH RESONANT DC-LINKED CONVERTORS MSN ENGR ENGR EXPER STA WISPERC	(133-R225)	15,000.00
210.	RETIREMENT RESEARCH FOUNDATION PARK RIDGE, IL POSSIBLE CAUSES OF NEUROBEHAVIORAL DEFICITS DURING AGING AS RESULTING FROM EARLY ADULT EXPOSURE TO AN ENVIRONMENTAL TOXICANT FOR THE PERIOD 09-01-90 THRU 08-31-91 AWARD # RRF #90-115 MSN L&S PSYCHOLOGY	PRIMATE LB (133-R226)	38,382.00
211.	MULTIPLE DONORS CARDIOLOGY RESEARCH MSN VET M MEDICAL SCIENCES	(133-R227)	20.00
212.	AMERICAN CHEMICAL SOCIETY PETROLEUM RESEARCH FUND WASHINGTON, DC STEREOCHEMISTRY OF SUBSTITUTION AT NONSTEREOGENIC CENTERS FOR THE PERIOD 09-01-90 THRU 08-31-92 AWARD # ACS-PRF 23479-AC1 MSN L&S CHEMISTRY	(133-R230)	39,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

213.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GERDA LERNER FELLOWSHIP MSN L&S HISTORY	(133-R231)	9,492.87
214.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CENTRAL ASIAN FELLOWSHIP MSN L&S HISTORY	(133-R232)	10,063.50
215.	FRITO-LAY, INC. RHINELANDER, WI POTATO RESEARCH MSN AG&LSC HORTICULTURE	(133-R234)	4,800.00
216.	SAGE (RUSSELL) FOUNDATION NEW YORK, NY BEHAVIORIAL FINANCE WORKING GROUP FOR THE PERIOD 09-01-90 THRU 08-31-93 MSN BUS SCH OF BUSINESS	(133-R235)	5,000.00
217.	INSTITUTE OF EAST ASIAN PHILOSOPHIES KENT RIDGE, SINGAPORE A COMPARATIVE STUDY OF THE HISTORY OF CHINESE IDEAS OF POLITICAL ORDER: FROM THE NEOLITHIC AGE TO THE END OF MAO MSN L&S HISTORY	(133-R236)	52,493.62
218.	WISC DEPT OF TRANSPORTATION MADISON, WI GRADUATE RESEARCH ASSISTANTSHIP FOR THE PERIOD 08-27-90 THRU 05-26-91 MSN L&S GEOL & GEOPHYSCS	(133-R240)	11,744.00
219.	WISCONSIN PAPERBOARD CORPORATION MILWAUKEE, WI SAFETY STUDY AT WISCONSIN PAPERBOARD CORPORATION MSN ENGR INDUSTRIAL ENGR	(133-R241)	14,724.00
220.	AGRIMERICA, INC. NORTHBROOK, IL THE EFFECT OF A FLAVOR AGENT ON DAIRY CATTLE ACCEPTANCE OF DIETS CONTAINING MEAT AND BONE MEAL MSN AG&LSC DAIRY SCIENCE	(133-R244)	10,650.00
221.	WORLD BANK WASHINGTON, DC EXPERIENCE WITH LAND USE PLANNING AND ZONING FOR THE PERIOD 01-01-90 THRU 06-30-90 MSN AG&LSC AG ECONOMICS	(133-R249)	7,495.00
222.	FATS AND PROTEINS RESEARCH FOUNDATION, INC. FORT MYERS BEACH, FL EFFECT OF MULTIPLE ENERGY SOURCES ON PERFORMANCE OF PRIMIPAROUS HOLSTEIN CATTLE MSN AG&LSC DAIRY SCIENCE	(133-R250)	37,708.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

223.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI WISCONSIN COMPUTER BASED HEALTH PROMOTION CONSORTIUM MSN ENGR ENGR EXPER STA HLTH SYS'S (133-R251)	1,500.00
224.	INTERNATIONAL CENTER FOR ECONOMIC GROWTH SAN FRANCISCO, CA TRANSFORMATION OF THE SOVIET ECONOMY MSN L&S ECONOMICS (133-R252)	15,891.00
225.	ARTHRITIS FOUNDATION ATLANTA, GA DOCTORAL DISSERTATION AWARD FOR THE PERIOD 07-01-90 THRU 06-30-91 MSN EDUC PHYS ED & DANCE BIODYN LAB (133-R253)	10,000.00
226.	NATIONAL PEANUT FOUNDATION ALEXANDRIA, VA REGULATION OF AFLATOXIN BIOSYNTHESIS MSN AG&LSC FOOD MICRO&TOXIC (133-R256)	10,000.00
227.	GEN TRAC MIDDLETON, WI BOVINE FIBRIN SEALANT FORMULATION: EFFECTS ON AUTOLOGOUS SKIN GRAFTS AND PROSTHETIC AORITC GRAFT REPLACEMENT-IMMUNOLOGICAL ASPECTS MSN VET M PATHOBIOLOGCL SCI (133-R259)	6,000.00
228.	STATE HISTORICAL SOCIETY MADISON, WI DOCUMENTING THE MIDWESTERN ORIGINS OF THE TWENTIETH-CENTURY WOMEN'S MOVEMENT MSN L&S HISTORY (133-R260)	3,915.00
229.	AGRICULTURE AND RURAL AFFAIRS (DEPARTMENT OF) WERRIBEE, VIC, AUSTRALIA PIG RESEARCH MSN AG&LSC MEAT& ANIMAL SCI (133-R262)	9,842.00
230.	MAYER (OSCAR) FOODS CORPORATION MADISON, WI PERFORMANCE AND MEAT YIELDS OF LARGE WHITE MALE TURKEYS FED VARYING LEVELS OF CRUDE PROTEIN AND METHIONINE MSN AG&LSC POULTRY SCIENCE (133-R263)	9,984.25
231.	RORER PHARMACEUTICAL CORPORATION PORT WASHINGTON, PA COMPARISON OF CELIPROLOL AND ATENOLOL ON CARDIOVASCULAR AND METABOLIC RESPONSES TO EXERCISE IN SUBJECTS WITH MILD TO MODERATE HYPERTENSION MSN HS-MED MEDICINE CARDIOLOGY (133-R266)	25,192.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

232.	DUPONT (E I) DENEMOURS AND COMPANY NEWARK, DE DROSOPHILA SLRL ASSAY OF META-PHENYLENEDIAMINE (MPDA) AWARD # LGX-503767-P MSN L&S ZOOLOGY	(133-R269)	23,775.00
233.	KELLOGG COMPANY BATTLE CREEK, MI ALLERGENICITY OF PYSILLIUM-BASED PRODUCTS MSN HS-MED MEDICINE	ALLRGY&IMM (133-R270)	12,000.00
234.	CAMERON (JOHN R) MEDICAL PHYSICS FOUNDATION, INC. MADISON, WI RESEARCH SUPPORT FOR THE DEPARTMENT OF MEDICAL PHYSICS MSN HS-MED MEDICAL PHYSICS	(133-R271)	6,000.00
235.	CAMERON (JOHN R) MEDICAL PHYSICS FOUNDATION, INC. MADISON, WI SUPPLEMENTAL SUPPORT FOR THE DEPARTMENT OF MEDICAL PHYSICS MSN HS-MED MEDICAL PHYSICS	(133-R272)	2,040.00
236.	AMERICAN SOCIETY OF HOSPITAL AND PHARMACISTS RESEARCH AND EDUCATION FOUNDATION BETHESDA, MD PILOT EVALUATION OF NIFEDIPINE AND URINARY STEROID EXCRETION AS INDICATORS OF HEPATIC DRUG METABOLISM FOR THE PERIOD 10-01-90 THRU 09-30-91 MSN HS-PHR PHARMACY	(133-R274)	5,000.00
237.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI WISCONSIN INDIANS: A BLUEPRINT FOR THE FUTURE MSN OUTRCH LIBERAL STUDIES	(133-R275)	5,000.00
238.	KRAFT GENERAL FOODS GLENVIEW, IL CONTROL OF CLOSTRIDIUM IN PASTEURIZED PROCESS CHEESE SPREADS MSN AG&LSC FOOD MICRO&TOXIC	(133-R276)	24,500.00
239.	TEXAS NATIONAL RESEARCH LABORATORY COMMISSION DESOTO, TX SSC FELLOWSHIP RESEARCH PROPOSAL: THE TRANSVERSE MOMENTUM DISTRIBUTION OF THE HIGGS BOSON AT THE SSC FOR THE PERIOD 09-01-90 THRU 08-31-91 MSN L&S PHYSICS	(133-R290)	67,162.00
240.	NORTH ATLANTIC TREATY ORGANIZATION SCIENTIFIC AFFAIRS DIVISION BRUSSELS, BELGIUM CLONING THE TRICHOCYST GENES OF PARAMECIUM FOR THE PERIOD 07-01-90 THRU 06-30-92 MSN AG&LSC BIOCHEMISTRY	(133-R291)	4,361.28

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

241.	DREYFUS (CAMILLE AND HENRY) FOUNDATION, INC. NEW YORK, NY DREYFUS NEW FACULTY AWARD FOR THE PERIOD 08-26-90 THRU 08-25-95 AWARD # NF-90-65 MSN L&S CHEMISTRY	(133-R292)	25,000.00
242.	FINLAND (ACADEMY OF) HELSINKI, FINLAND RESEARCH TRAINING FUNDS MSN AG&LSC HORTICULTURE	(133-R293)	1,500.00
243.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHEMONUCLEOLYSIS WITH COLLAGENASE IN DOGS: A PRELIMINARY CLINICAL TRIAL MSN VET M SURGICAL SCI	(133-R294)	4,890.00
244.	EASTMAN KODAK COMPANY ROCHESTER, NY KODAK FELLOWSHIP FOR THE PERIOD 09-01-90 THRU 08-31-91 MSN L&S CHEMISTRY	(133-R297)	24,283.00
245.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ACCESS TO MACINTOSH COMPUTERS FOR PERSONS WITH BLINDNESS MSN GRAD WAISMAN CENTER	(133-R299)	25,000.00
246.	INTERNATIONAL BUSINESS MACHINES CORPORATION SOUTHURY, CT IBM GRADUATE FELLOWSHIP MSN ENGR ENGR EXPER STA PLASMA ERC	(133-R300)	16,843.00
247.	WISCONSIN CHAMBER ORCHESTRA MADISON, WI SUPPORT FOR CENTER FOR ARTS ADMINISTRATION PROJECT ASSISTANTS MSN BUS SCH OF BUSINESS	(133-R303)	3,750.00
248.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI EVJUE-BASCOM PROFESSOR IN WOMEN'S STUDIES 1990-91 MSN L&S WOMEN'S STUDIES	(133-R304)	7,000.00
249.	ALPHA ONE SOUTH PORTLAND, ME DEVELOPMENT OF A SERVICE DELIVERY DATABASE FOR THE PERIOD 09-01-90 THRU 08-31-91 MSN GRAD WAISMAN CENTER	(133-R305)	15,000.00
250.	INSTITUTE FOR INTERNATIONAL ECONOMICS WASHINGTON, DC QUANTIFYING U.S. EXPORT DISINCENTIVES MSN L&S ECONOMICS	(133-R307)	6,272.50

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

251.	GLAXO INC. RESEARCH TRIANGLE PARK, NC A PROSPECTIVE, RANDOMIZED, EVALUATOR-BLINDED, MULTICENTER, COMPARATIVAE STUDY OF THE EFFICACY AND SAFETY OF CEFTAZIDIME BID VS TID IN HOSPITALIZED/HOME HEALTH CARE PATIENTS WITH SKIN AND SKIN STRUCTURE INFECTIONS MSN HS-MED MEDICINE	INFECT DIS (133-R309)	4,350.00
252.	PROCYTE CORPORATION REDMOND, WA THE EFFECT OF PC1031 (PEPTIDE) ON HAIR GROWTH IN FUZZY RATS FOR THE PERIOD 07-01-90 THRU 06-30-91 MSN GRAD	PRIMATE RES CTR (133-R312)	22,672.00
253.	PROMEGA CORPORATION MADISON, WI SCREENING GROWTH FACTORS IN VITRO MSN HS-MED HUMAN ONCOLOGY	CLIN ONCOL (133-R313)	8,500.00
254.	TARGET THERAPEUTICS SAN JOSE, CA ENDOVASCULAR INVESTIGATION MSN HS-MED RADIOLOGY	(133-R315)	32,500.00
255.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI NORTHERN ENGRAVING ACCOUNT FOR GRADUATE STUDENT SUPPORT MSN ENGR	INDUSTRIAL ENGR (133-R321)	25,000.00
256.	INTERNATIONAL BUSINESS MACHINES CORPORATION ROCHESTER, MN DEVELOPMENT OF A COMPUTER-CONFIGURATION SYSTEM THAT LEARNS FOR THE PERIOD 09-01-90 THRU 05-31-91 AWARD # 13-90 MSN L&S	COMPUTER SCI (133-R326)	27,202.00
257.	MULTIPLE DONORS LEUKEMIA RESEARCH-DEPARTMENT OF PEDIATRICS MSN HS-MED PEDIATRICS	(133-3535)	560.00
258.	AMERICAN CHEMICAL SOCIETY PETROLEUM RESEARCH FUND WASHINGTON, DC DEPARTMENT OF CHEMISTRY CHAIRMAN'S DISCRETIONARY ACCOUNT MSN L&S	CHEMISTRY (133-4477)	1,000.00
259.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPORT FOOD RESEARCH INSTITUTE MSN AG&LSC FOOD MICRO&TOXIC	(133-5328)	100,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

260.	TRUCK CROP AND POTATO INSECTS AND THEIR CONTROL MSN AG&LSC ENTOMOLOGY	(133-6855)	
	1,500.00	ROHM & HAAS COMPANY SPRING HOUSE, PA	
	1,800.00	AMERICAN CYANAMID COMPANY WAYNE, NJ	
	3,000.00	DOW CHEMICAL USA MIDLAND, MI	
			6,300.00
261.	SUPPORT RESEARCH ON METHODS AND MATERIALS FOR WEED CONTROL IN FRUIT AND VEGETABLE CROPS MSN AG&LSC HORTICULTURE	(133-7179)	
	10,000.00	MIDWEST FOOD PROCESSORS ASSOCIATION MADISON, WI	
	960.00	WISCONSIN CARROT GROWERS ASSOCIATION RANDOLPH, WI	
	2,400.00	VALENT USA CORPORATION DALLAS CENTER, IA	
	4,320.00	AMERICAN CYANAMID COMPANY LAWRENCEVILLE, NJ	
			17,680.00
262.	DOW CHEMICAL USA MILDAND, MI INSECT CONTROL RESEARCH ON FLORAL CROPS MSN AG&LSC ENTOMOLOGY	(133-8293)	3,000.00
263.	UNITED AGRI PRODUCTS GREELEY, CO STUDY OF RESISTANCE OF SWEET CORN TO THE EUROPEAN CORN BORER MSN AG&LSC AGRONOMY	(133-9123)	2,000.00
264.	WEED RESEARCH IN TURF, ORNAMENTALS AND TOBACCO MSN AG&LSC HORTICULTURE	(133-9262)	
	2,013.75	COMMONWEALTH TOBACCO COMPANY STOUGHTON, WI	
	384.00	MULTIPLE DONORS	
	1,440.00	AMERICAN CYANAMID COMPANY PRINCETON, NJ	
	1,440.00	RHONE-POULENC AG COMPANY PERRYSVILLE, OH	
	960.00	DOW CHEMICAL COMPANY ST LOUIS, MO	
	960.00	DOWELANCO ST LOUIS, MO	
			7,197.75

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

265.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SUPPORT CANCER RESEARCH IN THE CLINICAL CANCER CENTER MSN HS-MED CANCER CTR	(133-9268)	40,000.00
266.	HERD DEVELOPMENT AND DAIRY CATTLE BREEDING RESEARCH MSN AG&LSC DAIRY SCIENCE	(133-9531)	
	2,800.00	LARRY PERGANDE ROCKFORD, IL	
	400.00	MULTIPLE DONORS	
	1,030.50	WISCONSIN BROWN SWISS ASSOCIATION JANESVILLE, WI	
			4,230.50

STUDENT AID

1.	PROCTER & GAMBLE PAPER PRODUCTS GREEN BAY, WI P & G--INT'L ENGINEERING EMERGENCY LOAN FUND MSN ENGR INTERNAT'L ENGR	(LOANS)	5,000.00
2.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI OESAU, THEODORE J.--SCHOLARSHIP MSN L&S HISTORY	(TRUST)	4,534.54
3.	CONTINENTAL BANK SCHULTE, HELEN D. TRUST CHICAGO, IL SCHULTE, WALTER B.--SCHOLARSHIP FUND MSN ENGR CHEMICAL ENGR	(TRUST)	12,827.88
4.	AMERICAN ASSOC CANDY TECHNOLOGISTS GLEN ROCK, NJ DRESEL, HANS F.--SCHOLARSHIP MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(TRUST)	2,300.00
5.	EARNINGS ON MISC. INVESTMENTS	256.36	
	EARNINGS ON MISC. INVESTMENTS	48.23	
	EARNINGS ON MISC. INVESTMENTS	48.63	
	MESSERSCHMIDT, DR. RAMONA--SCHOLARSHIP FUND IN CLINICAL PSYCHOLOGY MSN L&S PSYCHOLOGY	(TRUST)	353.22
6.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MALONE, NINA S.--SCHOLARSHIPS MSN HS-MED	(TRUST)	50.00
7.	CAULDE & SPEARS, P.A. WHITAKER, PHILLIP A. SR. ESTATE CHARLOTTE, NC SHRIMSKI, ISRAEL--SCHOLARSHIP MSN G SERV FELLOWS & SCHOLS	(TRUST)	1,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

8.	BAZAN, WILLIAM & HAZEL MADISON, WI LESCOHIER, DON D.--STUDENT AID MSN L&S ECONOMICS	(TRUST)	50.00
9.	PROCEEDS FROM MISC. INVESTMENTS PROCEEDS FROM MISC. INVESTMENTS PROCEEDS FROM MISC. INVESTMENTS MESSERSCHMIDT, DR. RAMONA--SCHOLARSHIP FUND IN CLINICAL PSYCHOLOGY MSN L&S PSYCHOLOGY	262.72 48.67 48.27 (TRUST)	359.66
10.	HELLBERG, GEORGIA M. ESTATE CHICAGO, IL HELLBERG, GEORGIA M.--SCHOLARSHIP FUND MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(TRUST)	10,580.96
11.	FIRST WISCONSIN-MADISON KIRCHOFFER, WILLIAM G. TRUST MADISON, WI KIRCHOFFER, W. G. MEMORIAL MSN ENGR	(TRUST)	306,787.14
12.	EDUCATION, DEPT OF WASHINGTON, DC IN SUPPORT OF THE FOLLOWING:		
1)	PATRICIA ROBERTS HARRIS GRADUATE AND PROFESSIONAL FELLOWSHIP PROGRAM FOR THE PERIOD 09-01-90 THROUGH 08-31-91 AWARD # P094B00143 MSN GRAD FELLOWS & SCHOLS	(144-BQ66)	80,000.00
2)	NATIONAL RESOURCE FELLOWSHIP PROGRAM SOVIET AND EAST EUROPEAN STUDIES CENTER FOR THE PERIOD 08-15-90 THROUGH 08-14-91 AWARD # P015A80155-90 MSN G E A INTL STU & PROGS	(144-BU15)	41,695.00
3)	NATIONAL RESOURCE FELLOWSHIP PROGRAM SOUTH ASIAN AREA STUDIES FOR THE PERIOD 08-15-90 THROUGH 08-14-91 AWARD # P015A80009-90 MSN G E A INTL STU & PROGS	(144-BU20)	108,080.00
13.	DHHS, PHS, NATIONAL INSTITUTES OF HEALTH BETHESDA, MD IN SUPPORT OF THE FOLLOWING:		
1)	PREDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD: NURSING FOR THE PERIOD 08-28-90 THROUGH 08-27-91 AWARD # 5 F31 NRO6437-02 MSN GRAD SCH OF NURSING	(144-BU41)	12,500.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

2)	PREDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD: NURSING FOR THE PERIOD 08-28-90 THROUGH 08-27-91 AWARD # 5 F31 NRO6420-02 MSN GRAD SCH OF NURSING	(144-BU42)	12,500.00
3)	PREDOCTORAL INDIVIDUAL NATIONAL RESEARCH SERVICE AWARD: NURSING FOR THE PERIOD 08-18-90 THROUGH 08-17-91 AWARD # 5 F31 NRO6202-04 MSN GRAD SCH OF NURSING	(144-BU49)	12,500.00
14.	WISCONSIN ALUMNI RESEARCH FOUNDATION MADISON, WI PAUL M. BINZEL SCHOLARSHIP FUND MSN G SERV FELLOWS & SCHOLS	(135-0029)	9,616.00
15.	DAUGHTERS OF DEMETER, INC. MADISON, WI DAUGHTERS OF DEMETER SCHOLARSHIP MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(133-A790)	1,750.00
16.	UNIVERSITY LEAGUE, INC. MADISON, WI SCHOLARSHIPS IN THE COLLEGE OF AGRICULTURAL AND LIFE SCIENCES MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(133-B489)	1,025.00
17.	MULTIPLE DONORS ORRIN BERGE SCHOLARSHIP FUND MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(133-B630)	250.00
18.	BAKER (ROBERT EARL) ESTATE PITTSBURGH, PA VIOLA JURGERSON BAKER MEMORIAL FUND MSN FR&CS FAM RSRC&CNSM SC ADMIN	(133-B967)	2,646.75
19.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHARLES CHESTER PEARCE SCHOLARSHIP MSN L&S COMMUN ARTS	(133-CO02)	1,875.00
20.	UNIVERSITY LEAGUE, INC. MADISON, WI UNIVERSITY LEAGUE SCHOLARSHIP FOR COLLEGE OF ENGINEERING MSN ENGR	(133-D091)	1,640.00
21.	DRUGGISTS MUTUAL INSURANCE COMPANY ALGONA, IA UNDERGRADUATE SCHOLARSHIPS MSN HS-PHR PHARMACY	(133-D109)	500.00
22.	GRACE (W R) & CO. COLUMBIA, MD GRADUATE FELLOWSHIP IN CHEMISTRY MSN L&S CHEMISTRY	(133-F143)	10,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

23.	PPG INDUSTRIES, INC. PITTSBURGH, PA COLLEGE OF ENGINEERING SCHOLARSHIP FUND MSN ENGR	(133-F731)	1,054.00
24.	WISCONSIN FARM EQUIPMENT FOUNDATION, INC. MADISON, WI ROBERT BJORKLUND SCHOLARSHIP MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(133-G093)	500.00
25.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI NURSING ALUMNI SCHOLARSHIP MSN HS-NUR	(133-G468)	8,500.00
26.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI NELLIE M. BUTT SCHOLARSHIP MSN FR&CS FAM RSRC&CNSM SC ADMIN	(133-G485)	3,000.00
27.	WISCONSIN GOLF COURSE SUPERINTENDENTS ASSOCIATION/ DR. JAMES R LOVE SCHOLARSHIP MADISON, WI WISCONSIN GOLF COURSE SUPERINTENDENTS ASSOCIATION/DR. JAMES R LOVE SCHOLARSHIP MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(133-G773)	500.00
28.	UNIVERSITY LEAGUE, INC. MADISON, WI UNIVERSITY LEAGUE SCHOLARSHIP MSN BUS SCH OF BUSINESS	(133-J388)	2,000.00
29.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI F R C S SCHOLARSHIP MSN FR&CS FAM RSRC&CNSM SC ADMIN	(133-J511)	2,250.00
30.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI NAVE FELLOWSHIP MSN ENGR MAT SCI & ENGR	(133-J569)	27,938.00
31.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI RAYMOND T. JACKSON MEMORIAL SCHOLARSHIP MSN LAW LAW SCHOOL	(133-K311)	70,000.00
32.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI WARREN R VON EHREN SCHOLARSHIP MSN HS-MED PREVENTIVE MED	(133-K801)	1,000.00
33.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI WIGGINS CHARITABLE TRUST-LAW SCHOOL SCHOLARSHIP MSN LAW LAW SCHOOL	(133-L514)	3,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

34.	UNIVERSITY LEAGUE, INC. MADISON, WI GRACE LOEFFLER THIEDE MEMORIAL SCHOLARSHIP MSN EDUC GENERAL ADMIN DEAN'S OFF (133-L789)	1,000.00
35.	UNIVERSITY LEAGUE, INC. MADISON, WI UNIVERSITY LEAGUE SCHOLARSHIP MSN HS-PHR PHARMACY (133-L824)	1,000.00
36.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CLARENCE R. HICKS SCHOLARSHIP-LAW MSN LAW LAW SCHOOL (133-M020)	650.00
37.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI MILDRED MURDOCK BECK SCHOLARSHIP MSN FR&CS FAM RSRC&CNSM SC ADMIN (133-M050)	450.00
38.	RISK AND INSURANCE MANAGEMENT SOCIETY, INC. MILWAUKEE, WI RIMS, INC. SCHOLARSHIP MSN BUS SCH OF BUSINESS (133-N190)	500.00
39.	CENEX FOUNDATION INNER GROVE HIGHTS, MN SCHOLARSHIPS FOR STUDENTS IN THE COLLEGE OF AGRICULTURAL AND LIFE SCIENCES MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP (133-N366)	2,250.00
40.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CLAUDE J. JASPER MEMORIAL SCHOLARSHIP IN LAW MSN LAW LAW SCHOOL (133-N414)	2,000.00
41.	GRADUATE OPPORTUNITIES FOR ADVANCED LEVEL STUDIES DEARBORN, MI GOALS FELLOWSHIP MSN L&S IND REL RES INST (133-N524)	5,000.00
42.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI HELEN K. HERMAN MEMORIAL SCHOLARSHIP MSN L&S COMMUN ARTS (133-P188)	450.00
43.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI BRUCE F. BEILFUSS MEMORIAL SCHOLARSHIP MSN LAW LAW SCHOOL (133-P216)	2,050.00
44.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DONALD NORMAN ZILLMAN SCHOLARSHIPS MSN LAW LAW SCHOOL (133-P750)	1,200.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

45.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI JOHN WALSH SCHOLARSHIP FUND MSN LAW LAW SCHOOL	(133-P751)	1,000.00
46.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ROY STANLEY IHLENFELDT MEMORIAL SCHOLARSHIP MSN LAW LAW SCHOOL	(133-P752)	350.00
47.	K-MART CORPORATION TROY, MI K-MART CORPORATION PHARMACY SCHOLARSHIP AWARD MSN HS-PHR PHARMACY	(133-P781)	1,000.00
48.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FRANCES MINCH SCHOLARSHIP MSN FR&CS FAM RSRC&CNSM SC ADMIN	(133-P787)	2,000.00
49.	INSTITUTE FOR THE STUDY OF WORLD POLITICS WASHINGTON, DC INSTITUTE FOR THE STUDY OF WORLD POLITICS FELLOWSHIP MSN G E A INTL STU & PROGS	(133-P898)	2,000.00
50.	AMERICAN SOCIOLOGICAL ASSOCIATION WASHINGTON, DC AMERICAN SOCIOLOGICAL ASSOCIATION TRANINEESHIP MSN L&S SOCIOLOGY	(133-Q011)	6,750.00
51.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ALFRED SENN SCHOLARSHIP FUND MSN L&S HISTORY	(133-R041)	5,000.00
52.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOOL OF BUSINESS MINORITIES SCHOLARSHIP FUND MSN BUS SCH OF BUSINESS	(133-R174)	1,000.00
53.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI UNIVERSITY HOSPITAL AND CLINICS SCHOLARSHIP FUND MSN HS-HSP ADMINISTRATION ADMIN	(133-R229)	10,000.00
54.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI PROGRAMS IN HEALTH MANAGEMENT FACULTY/ALUMNI SCHOLARSHIP MSN HS-MED PREVENTIVE MED	(133-R237)	1,250.00
55.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GORDON N. JOHNSON HEALTH MANAGEMENT SCHOLARSHIP MSN HS-MED PREVENTIVE MED	(133-R238)	750.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

56.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI BLUE CROSS BLUE SHIELD UNITED OF WISCONSIN HEALTH MANAGEMENT SCHOLARSHIP MSN HS-MED PREVENTIVE MED	(133-R239)	1,250.00
57.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHAUER MINORITY SCHOLARSHIP IN BUSINESS MSN BUS SCH OF BUSINESS	(133-R243)	1,000.00
58.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI FRED HELGREN SCHOLARSHIP ACCOUNT MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(133-R255)	1,500.00
59.	WISC DEPT OF AGRICULTURE TRADE AND CONSUMER PROTECTION MADISON, WI COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD 08-23-90 THRU 01-30-91 MSN AG&LSC AG ECONOMICS	(133-R279)	4,312.00
60.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI WISCONSIN ANTIQUES DEALERS ASSOCIATION SCHOLARSHIP MSN EDUC GENERAL ADMIN DEAN'S OFF	(133-R284)	1,000.00
61.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOOL OF EDUCATION MINORITY STUDENT SCHOLARSHIP FUND MSN EDUC GENERAL ADMIN DEAN'S OFF	(133-R285)	10,000.00
62.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI DEXTER A. THUSIUS SCHOLARSHIP MSN BUS SCH OF BUSINESS	(133-R301)	1,280.00
63.	NATIONAL PHYSICAL SCIENCE CONSORTIUM LA JOLLA, CA GRADUATE FELLOWSHIPS FOR MINORITIES AND WOMEN IN THE PHYSICAL SCIENCES FOR THE PERIOD 08-27-90 THRU 06-01-91 MSN GRAD	(133-R302)	10,000.00
64.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI JAMES D. SHAW AND DOROTHY SHAW - MILWAUKEE FOUNDATION MEMORIAL SCHOLARSHIP MSN LAW LAW SCHOOL	(133-0025)	85,000.00
65.	WISCONSIN RURAL REHABILITATION CORPORATION MADISON, WI SCHOLARSHIPS FOR NEEDY YOUNG MEN AND WOMEN FROM WISCONSIN FAMILY FARMS WHO HAVE FINANCIAL NEED AND WHO ARE ENTERING OR CONTINUING STUDY IN THE COLLEGE OF AG & LSC MSN AG&LSC ACAD STU AFF ADM SCHOLRSHIP	(133-2073)	18,017.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

66.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI STUDENT FINANCIAL AID FUND MSN G SERV FELLOWS & SCHOLS	(133-2109)	2,000.00
67.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LEROY J. BURLINGAME MEMORIAL SCHOLARSHIP IN THE LAW SCHOOL MSN LAW LAW SCHOOL	(133-4117)	2,950.00
68.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI LAW SCHOOL ORVIS SCHOLARSHIP FUND MSN LAW LAW SCHOOL	(133-5774)	1,800.00
69.	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)	1,700.00
70.	DONALD MILLARD MADISON, WI SCHOOL OF MUSIC SCHOLARSHIP FUND MSN L&S SCHOOL OF MUSIC	(133-7137)	500.00
71.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CHRISTIAN JOHN OTJEN SCHOLARSHIP MSN LAW LAW SCHOOL	(133-7354)	5,100.00
72.	BRANN (ETHEL M) FOUNDATION, INC GREEN BAY, WI SCHOLARSHIP FOR GRADUATE STUDY IN THE AREA OF PUBLIC LIBRARIANSHIP MSN L&S LIB&INF ST	(133-7541)	1,000.00
73.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI ANTON L. SMONGESKI SCHOLARSHIP MSN LAW LAW SCHOOL	(133-7691)	2,000.00
74.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI CARL E. DIETZE LAW SCHOOL SCHOLARSHIP MSN LAW LAW SCHOOL	(133-8177)	2,800.00
75.	MULTIPLE DONORS UNDERGRADUATE ACTUARIAL SCHOLARSHIP FUND-HIGH SCHOOL SCHOLARSHIP PROGRAM MSN BUS SCH OF BUSINESS	(133-8377)	570.00
76.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI GWYNETTE E. SMALLEY MEMORIAL SCHOLARSHIP FUND MSN LAW LAW SCHOOL	(133-8713)	16,500.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

77.	UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI SCHOOL OF NURSING SCHOLARSHIP FUND MSN HS-NUR	(133-8872)	14,900.00
78.	OSCAR MAYER FOODS CORPORATION MADISON, WI STUDENT FINANCIAL AID OFFICE-MADISON CAMPUS UNRESTRICTED FUND MSN G SERV FELLOWS & SCHOLS	(133-8892)	3,300.00
79.	WISCONSIN RURAL REHABILITATION CORPORATION MADISON, WI WISCONSIN RURAL REHABILITATION CORPORATION UNDERGRADUATE NURSING SCHOLARSHIPS MSN HS-NUR	(133-8956)	3,352.00
	TOTAL MADISON		23,915,020.67 =====
	INSTRUCTION		1,240,851.50
	LIBRARIES		180,289.00
	MISCELLANEOUS		1,507,264.17
	PHYSICAL PLANT		30,000.00
	RESEARCH		19,956,971.85
	STUDENT AID		999,644.15

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MILWAUKEE

GIFT-IN-KIND

1. AT&T
BROOKFIELD, WI
THE DEVELOPMENT OF UNIX SYSTEM V BASED
GEOGRAPHICAL INFORMATION SYSTEM (GIS) TECH-
NOLOGY FACILITY FOR THE CENTER FOR CONTINUING
ENGINEERING EDUCATION (CCEE) - EQUIPMENT GRANT
MIL ENG&AS NON-CR OUTREACH GEN ADMIN

INSTRUCTION

1. EDUCATION, DEPT OF
CHICAGO, IL
90-451-NM
REHABILITATION COUNSELOR EDUCATION PROGRAM
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # H129B80002-90
MIL EDUC EDUC PSYCHOLOGY (144-BU63) 154,133.00
2. EDUCATION, DEPT OF
WASHINGTON, D. C.
90-536-BF
UNIVERSITY OF WISCONSIN-MILWAUKE MCNAIR
GRANT CONTINUATION APPLICATION: EXPANDING
OPPORTUNITIES FOR UNDERREPRESENTED STUDENTS IN
GRADUATE EDUCATION
FOR THE PERIOD 10-01-90 THROUGH 09-30-91
AWARD # P217A90091-90
MIL GRAD DEAN'S OFFICE (144-BW27) 100,729.00
3. NATIONAL SCIENCE FOUNDATION
WASHINGTON, DC
90-186-NM
IN SUPPORT OF THE FOLLOWING:
 - 1) THE WISCONSIN SCIENCE EDUCATION SERVICE
CENTER NETWORK
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
MIL GRAD M-S ERC (144-BJ28) 4,234.00
 - 2) COMPUTER INTERFACING OF PHYSIOLOGY
TEACHING LABORATORIES
FOR THE PERIOD 09-01-90 THROUGH 02-28-93
AWARD # DIR-9051972
MIL L&S BIOLOGICAL SCI (144-BU66) 23,196.00
4. MEDICAL COLLEGE OF WISCONSIN
MILWAUKEE, WI
GRADUATE ASSISTANTSHIP IN MEDICAL LIBRARIANSHIP
(MUNA ABDOON)
FOR THE PERIOD 08/15/90 THROUGH 12/15/90
MIL L&I SC SCH-LIB&INF SCI (133-H161) 4,109.00
5. UWM FOUNDATION
(ACCT. 845.0)
MILWAUKEE, WI
SCIENCE BAG (GENERAL)
MIL L&S PHYSICS (133-L610) 700.00-

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MILWAUKEE

INSTRUCTION

- | | | | |
|-----|---|------------|-----------|
| 6. | WISCONSIN STATE COUNCL ON ECONOMIC
EDUCATION
MILWAUKEE, WI
90-005-NM
ECONOMICS IN EDUCATION PROJECT
FOR THE PERIOD 09/01/90 THROUGH 05/31/91
AWARD # CHECK #115910
MIL EDUC CURRIC & INSTR | (133-N853) | 50,153.00 |
| 7. | SILVER SPRING NEIGHBORHOOD CENTER(P/C WITH
ADOLESCENT PREGNANCY SERVICES BOARD)
MILWAUKEE, WI
91-050-NM
DEVELOPMENT AND EVALUATION OF A MODEL FOR
ADOLESCENT PREGNANCY PREVENTION
MIL NURS FNDTNS OF NURS'G FNMT NURS' | (133-R281) | 24,174.00 |
| 8. | SILVER SPRING NEIGHBORHOOD CENTER(P/C WITH
WISCONSIN CHILDREN'S TRUST FUND)
MILWAUKEE, WI
91-049-NM
HEALTH PROMOTION INTERVENTIONS FOR FAMILIES
AT RISK OF CHILD ABUSE AND NEGLECT
FOR THE PERIOD 07/01/90 THROUGH 06/30/91
MIL NURS FNDTNS OF NURS'G FNMT NURS' | (133-R282) | 9,412.00 |
| 9. | SILVER SPRING NEIGHBORHOOD CENTER(P/C WITH
MILWAUKEE SEXUAL ASSAULT TASK FORCE)
MILWAUKEE, WI
91-048-NM
RISING STAR: A SEXUAL ASSAULT PREVENTION PILOT
PROJECT
FOR THE PERIOD 07/01/90 THROUGH 12/31/90
MIL NURS FNDTNS OF NURS'G FNMT NURS' | (133-R283) | 3,000.00 |
| 10. | QUADGRAPHICS
PEWAUKEE, WI
91-077-NM
PROGRAMMING AND SCHEMATIC DESIGN OF "HIGH TOUCH
CENTER"
FOR THE PERIOD 09/04/90 THROUGH 05/01/91
AWARD # CHECK #040101
MIL ARC&UP ARCH&U P RES CTR | (133-R310) | 4,000.00 |

LIBRARIES

- | | | | |
|----|--|------------|----------|
| 1. | UWM FOUNDATIONS
(320, 321, 324 & 325)
MILWAUKEE, WI
BOOK ACQUISITIONS
MIL LIBR LIBRARY | (133-8383) | 4,131.18 |
|----|--|------------|----------|

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MILWAUKEE

MISCELLANEOUS

- | | | |
|----|--|----------|
| 1. | VETERANS ADMINISTRATION
MILWAUKEE, WI
89-476-LK
VETERANS ADMINISTRATION OVERHEAD
FOR THE PERIOD 03-22-89 THROUGH 03-21-99
AWARD # CHECK NO. 2216 34983332
MIL STU AF REGISTRAR'S OFF VETS AFF (144-M701) | 2,700.00 |
| 2. | GIFT DONATED TO THE UWM FIELD STATION
MIL L&S FIELD STATION (133-D756) | |
| | 100.00 WISCONSIN SOCIETY FOR ORNTHOLOGY
GLENDAL, WI | |
| | 25.00 GLENDAL WOMEN'S CLUB
GLENDAL, WI | |
| | | 125.00 |
| 3. | HIGHER EDUCATION CABLE CONSORTIUM
MILWAUKEE, WI
OPERATION OF A TV HEADEND/PLAYBACK FACILITY FOR
HECC
FOR THE MONTH OF JUNE
MIL ED COM PROJECTS SP P2-HECC (133-L344) | 1,250.00 |
| 4. | UWM FOUNDATION
#326
MILWAUKEE, WI
DEAN'S DISCRETIONARY ACCOUNT
AWARD # CHECK #229653
MIL NURS ADMIN DEAN (133-P410) | 300.00 |
| 5. | UNITED STATES VOLLEYBALL ASSOCIATION
COLORADO SPRINGS, CO
91-022-LK
START-UP GRANT FOR UWM MEN'S VARSITY VOLLEYBALL
TEAM
FOR THE PERIOD 07/01/90 THROUGH 06/30/93
MIL STU AF INTRCOL ATHL-MEN (133-R265) | 6,000.00 |
| 6. | UWM FOUNDATION (545.0)
MILWAUKEE, WI
SULLIVAN PROFESSORSHIP
MIL S WELF SOC WELFARE ADMN SOC WEL AD (133-R287) | 2,500.00 |
| 7. | MILWAUKEE COUNTY YOUTH EMPLOYMENT PROGRAM
MILWAUKEE, WI
90-476-BF
YOUTH EMPLOYMENT PROGRAM
FOR THE PERIOD 01/01/90 THROUGH 12/31/90
MIL STU AF SSOI (133-R319) | 1,744.44 |
| 8. | UWM FOUNDATION #683.8
MILWAUKEE, WI
WISCONSIN RURAL REHABILITATION CORPORATION
SCHOLARSHIPS
AWARD # CK. #1545
MIL NURS ADMIN DEAN (133-9002) | 2,514.00 |

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

1. COMM, NATIONAL OCEANIC & ATMOSPHERIC ADM
UNIVERSITY OF CONNECTICUT AT AVERY POINT
GROTON, CT
90-107-BF
PRIME CONTRACTOR WITH COMM NOAA
THE INFLUENCE OF HYDROTHERMAL ACTIVITY ON THE
BIOLOGY AND CHEMISTRY OF YELLOWSTONE LAKE, WYOMING
FOR THE PERIOD 03-01-90 THROUGH 02-28-91
AWARD # PSA 8122
MIL GRAD GT LKS ST, CTR F (144-BN62) 16,000.00
2. UNIVERSITY OF CONNECTICUT AT AVERY POINT
GROTON, CT
90-127-NM
PRIME CONTRACTOR WITH COMM NOAA
DISSOLVED GASES IN GREAT LAKES SEDIMENTS:
DISTRIBUTION PRODUCTION AND EXCHANGE WITH THE
OVERLYING WATERS
FOR THE PERIOD 03-01-90 THROUGH 02-28-91
AWARD # PSA 8122
MIL GRAD GT LKS ST, CTR F (144-BN63) 23,520.00
3. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
ROCKVILLE, MD
90-611-NM
THE EFFICACY OF BRIEF INTERVENTION WITH
PROBLEM DRINKERS
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # 5 U10 AA08442-02
MIL S WELF SOCIAL WELFARE SOC W-GEN (144-BU85) 366,832.00
4. DHHS, PHS, NATIONAL INSTITUTE OF MENTAL HEALTH
ROCKVILLE, MD
89-165-NM
PROLACTIN EFFECTS ON BEHAVIOR: SITES AND MODES
OF ACTION
FOR THE PERIOD 09-01-89 THROUGH 08-31-90
AWARD # 5 R37 MH41447-05
MIL L&S BIOLOGICAL SCI (144-BF66) 90,549.00
5. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD
IN SUPPORT OF THE FOLLOWING:
 - 1) URINARY INCONTINENCE: PREVENTION AND TREATMENT
OF ELDERS
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AWARD # 5 RO1 NRO1857-02
MIL NURS FNDTNS OF NURS'G FNDT NURS' (144-BF12) 148,900.00
 - 2) NEUROENDOCRINE REGULATION OF GROWTH
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AWARD # 5 RO1 DK38324
MIL A H P AH MAJOR (144-BG78) 96,288.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

- 3) NEUROENDOCRINE REGULATION OF GROWTH-SUPPLEMENT
FOR MINORITY INVESTIGATOR
FOR THE PERIOD 09-01-89 THROUGH 08-31-91
AWARD # 3 RO1 DK38324-03S1
MIL A H P HEALTH SCIENCES (144-BH25) 44,015.00
- 4) NATIONAL RESEARCH FELLOWSHIP - DOCILITY: A HUMAN
RESPONSE AMONG NURSING HOME RESIDENTS
FOR THE PERIOD 09-04-90 THROUGH 12-15-92
AWARD # 1 F31 NRO6614-01
MIL NURS HLTH RESTORATION (144-BU62) 12,500.00
- 5) OLDER WOMEN'S EXPERIENCE OF FUNCTIONAL
INDEPENDENCE
FOR THE PERIOD 08-15-90 THROUGH 08-14-91
AWARD # 5F31 NRO6404-02
MIL NURS HLTH RESTORATION (144-BW28) 12,500.00
6. NATIONAL CENTER FOR NURSING RESEARCH
BETHESDA, MARYLAND
91-034-BF
SELF REGULATION: DECISIONS OF THE
CHRONICALLY ILL
FOR THE PERIOD 09-15-90 THROUGH 09-14-91
AWARD # 5 F31 NRO6232-03
MIL NURS HLTH RESTORATION (144-BW35) 12,500.00
7. ENERGY, DEPT OF
WASHINGTON, DC
INTERFACIAL AREA AND INTERFACIAL TRANSFER IN TWO-
PHASE FLOW SYSTEMS.
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # DE-FG02-87ER13764
MIL ENG&AS MECHANICAL ENGR MECH ENGR (144-Z785) 99,869.00
8. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
MILWAUKEE, WI
90-507-LK
PRIME CONTRACTOR WITH EPA
TOXIC ORGANIC CONTAMINANTS IN THE SEDIMENTS OF
MILWAUKEE HARBOR ESTUARY
FOR THE PERIOD 07-30-90 THROUGH 07-29-91
AWARD # TASK ORDER 906
MIL ENG&AS CIVIL ENGINEER'G (144-BT84) 150,000.00
9. NATIONAL SCIENCE FOUNDATION
WASHINGTON, D.C.
89-552-NM
IN SUPPORT OF THE FOLLOWING:
- 1) METABOLIC/BIOCHEMICAL ASPECTS OF RESPIRATION
LINKED MN (IV) AND FE (III) REDUCTION
FOR THE PERIOD 09-15-90 THROUGH 02-28-94
AWARD # DCB-8917215
MIL GRAD GT LKS ST, CTR F (144-BU64) 36,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

2)	DOCTORAL DISSERTATION RESEARCH IN GEOGRAPHY AND REGIONAL SCIENCE - MAP/PROSE INTERRELATIONSHIPS IN ENGLISH WORLD ATLASES, 1660 - 1720 FOR THE PERIOD 09-01-90 THROUGH 08-31-92 AWARD # SES-9014589 MIL L&S GEOGRAPHY	(144-BU65)	10,000.00
3)	THE EVOLUTION AND ECOLOGY OF TROPHIC AND REPRO- DUCTIVE POLYMORPHISMS IN THE BLUEGILL SUNFISH FOR THE PERIOD 09-01-90 THROUGH 02-29-92 AWARD # BSR-9022013 MIL GRAD GT LKS ST, CTR F	(144-BW25)	14,000.00
10.	MILWAUKEE COUNTY MILWAUKEE, WI 90-581-NM PRIME CONTRACTOR WITH EVALUATION OF INTENSIVE IN-HOME FAMILY BASED SERVICES FOR THE PERIOD 08/01/90 THROUGH 12/31/90 AWARD # 40-90381-100 MIL DOCE ETI	(133-R295)	10,000.00
11.	MIDWEST RESEARCH TECHNOLOGIES MILWAUKEE, WI CONSULTATION AND ANALYSIS DURING THE PERIOD OCTOBER 1989 THROUGH MARCH 1990 AWARD # P.O. 890-1179 MIL L&S PHYSICS	(133-E596)	250.00
12.	UWM FOUNDATION #858 MILWAUKEE, WI QUALITY CONTROL RESEARCH MIL ENG&AS IND & SYSTS ENGR	(133-N854)	2,000.00
13.	AMERICAN LUNG ASSOCIATION OF WISCONSIN MILWAUKEE, WI 89-126-BF SMOKING CESSATION: IMPLEMENTING EDUCATIONAL INTERVENTIONS FOR THE PERIOD 07/01/90 THROUGH 06/30/91 MIL NURS ADMIN DEAN	(133-P382)	35,278.00
14.	UWM FOUNDATION (#872.9) MILWAUKEE, WI SHAW SCHOLAR MIL L&S BIOLOGICAL SCI	(133-P599)	5,000.00
15.	MIDWEST RESEARCH TECHNOLOGIES P/C WISCONSIN DEPT. OF DEVELOPMENT MILWAUKEE, WI THIN FILM LANTHANUM HEXABORIDE CATHODES FOR ELECTRONIC DEVICES MIL L&S PHYSICS	(133-P779)	6,044.63

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

- | | | |
|-----|---|-----------|
| 16. | VARIOUS
(EATON CORPORATION)
MILWAUKEE, WI
ELECTROMAGNETIC NONDESTRUCTIVE EVALUATION
AWARD # 0373-06-1615
MIL ENG&AS ELEC ENGR&COMP S ELECT ENGR (133-P909) | 1,260.00 |
| 17. | WISCONSIN STATE LEGISLATURE
MADISON, WI
90-496-NM
HIGHER EDUCATION RESEARCH
FOR THE PERIOD 08/20/90 THROUGH 01/03/91
AWARD # CHECK NO. AO226825
MIL EDUC EPCS (133-Q870) | 2,400.00 |
| 18. | AMERICAN LUNG ASSOCIATION OF WISCONSIN
MILWAUKEE, WI
90-135-NM
PREGNANT HISPANICS: EVALUATION OF A SMOKING
CESSATION INTERVENTION
FOR THE PERIOD 07/01/90 THROUGH 06/30/91
MIL NURS FNDTNS OF NURS'G FNDT NURS' (133-Q885) | 500.00 |
| 19. | WISCONSIN ELECTRIC POWER
MILWAUKEE, WI
90-341-NM
IMPROVEMENTS IN MONITORING OF CARBON DIOXIDE
AND REDUCTANT IN CONDENSATE WATER AND
BISULFITE IN COOLING WATER
FOR THE PERIOD 06/01/90 THROUGH 12/31/90
MIL L&S CHEMISTRY (133-R187) | 59,300.00 |
| 20. | STRESS TECHNOLOGY
ROCHESTER, NY
91-038-NM
THE COMPUTER SIMULATION OF FLOW FIELDS
AROUND A ROTATING DISK
FOR THE PERIOD 08/21/90 THROUGH 09/21/90
MIL ENG&AS MECHANICAL ENGR MECH ENGR (133-R245) | 5,472.00 |
| 21. | UWM FOUNDATION #876
JOHNSON WAX
MILWAUKEE, WI
RESEARCH
MIL GRAD GT LKS ST, CTR F (133-R246) | 5,754.00 |
| 22. | WISCONSIN DEPARTMENT OF TRANSPORTATION
MADISON, WI
90-584-NM
ACOUSTIC EMISSION STUDY FOR EVALUATION OF
WISCONSIN HIGHWAY BRIDGES
FOR THE PERIOD 08/03/90 THROUGH 01/31/92
MIL ENG&AS CIVIL ENGINEER'G (133-R248) | 24,850.00 |
| 23. | ALEXIAN VILLAGE OF MILWAUKEE
MILWAUKEE, WI
90-602-BF
NURSING RESEARCH
FOR THE PERIOD 08/20/90 THROUGH 05/19/91
MIL NURS HLTH RESTORATION (133-R264) | 11,000.00 |

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

24.	EARTHWATCH EXPEDITIONS WATERTOWN, MA 91-067-NM LAKE BAIKAL RESEARCH FOR THE PERIOD 08/27/90 THROUGH 08/26/91 MIL GRAD GT LKS ST, CTR F (133-R280)	5,199.00
25.	WISCONSIN ELECTRIC POWER MILWAUKEE, WI 90-181-NM A STUDY OF PLEASANT PRAIRIE POWER PLANT PLAN COOLING TOWER - PERFORMANCE AND WINTER OPERATION FOR THE PERIOD 08/01/90 THROUGH 12/31/91 MIL ENG&S MECHANICAL ENGR MECH ENGR (133-R288)	55,000.00
26.	FALK MILWAUKEE, WI 91-069-NM MATERIALS OF CONSTRUCTION MADE FROM FOUNDRY INDUSTRY BY-PRODUCTS FOR THE PERIOD 08/01/90 THROUGH 07/31/91 MIL ENG&S CIVIL ENGINEER'G (133-R289)	13,038.00
27.	WISCONSIN CHAPTER, AMERICAN FOUNDRYMEN'S SOCIETY MILWAUKEE, WI 91-079-NM A HISTORY OF THE WISCONSIN CHAPTER OF THE AMERICAN FOUNDRYMEN'S SOCIETY FOR THE PERIOD 09/04/90 THROUGH 05/19/91 MIL L&S HISTORY (133-R311)	16,160.00
28.	UWM FOUNDATION MILWAUKEE, WI SOILS AND ROCK MECHANICS RESEARCH MIL ENG&S CIVIL ENGINEER'G (133-R320)	8,000.00
29.	D.R. SHERMAN P.E. MILWAUKEE, WI 91-076-NM STEEL COLUMN DESIGN VIDEO AWARD # CHECK #765 MIL ENG&S CIVIL ENGINEER'G (133-9372)	125.00

STUDENT AID

1.	UWM FOUNDATION - #418.1 MILWAUKEE, WI STUDENT SUPPORT MIL F ARTS ADMINISTRATION ADMIN (133-H176)	25,531.12
2.	VARIOUS (VERHALLEN-PELLA) GREEN BAY, WI SARUP SCHOLARSHIP MIL ARC&UP ARCH&U P RES CTR (133-N462)	2,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - MILWAUKEE

STUDENT AID

3.	UWM FOUNDATION			
	#859			
	MILWAUKEE, WI			
	91-054-NM			
	WCSAR FELLOWSHIPS			
	MIL ENG&AS CIVIL ENGINEER'G	(133-P639)		8,100.00
4.	VARIOUS DONORS			
	MILWAUKEE, WI			
	LEENHOUTS SCHOLARSHIP			
	MIL ARC&UP ADMINISTRATION	ADMIN	(133-Q706)	275.00
	TOTAL MILWAUKEE			1,833,714.37
				=====

INSTRUCTION	376,440.00
LIBRARIES	4,131.18
MISCELLANEOUS	17,133.44
RESEARCH	1,400,103.63
STUDENT AID	35,906.12

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - EAU CLAIRE

EXTENSION AND PUBLIC SERVICE

1. HEALTH AND HUMAN SERVICES, DEPT OF WASHINGTON, DC NATIONAL YOUTH SPORTS WINTER PROGRAM 1990-91 FOR THE PERIOD 10-01-90 THROUGH 05-31-91 EAU AUX OP OTHER ORG ACTIV	(144-1014)	40,000.00
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INSTRUCTION

1. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH BETHESDA, MD PROFESSIONAL NURSE TRAINEESHIP PROGRAM FOR THE PERIOD 07-01-90 THROUGH 06-30-91 AWARD # 2-A11-NU00346-O EAU NURSG NURSING	(144-0043)	14,863.00
2. BEER INSTITUTE COMMUNITY ASSISTANCE FUND WASHINGTON, DC NATIONAL RURAL INSTITUTE ON ALCOHOL AND DRUG ABUSE FOR THE PERIOD 08-17-90 THROUGH 08-16-91 AWARD # 1013 EAU ART&SC DEAN-ARTS & SCI	(133-1012)	7,500.00

RESEARCH

1. AYRES ASSOCIATES EAU CLAIRE, WI ARCHAEOLOGICAL INVESTIGATION OF THE CHIPPEWA RIVER BRIDGE ON LITKE ROAD FOR THE PERIOD 08-09-90 THROUGH 12-31-90 EAU ART&SC SOCIOL & ANTHROP	(133-1009)	439.00
2. AYRES ASSOCIATES EAU CLAIRE, WI ARCHAEOLOGICAL INVESTIGATION OF THE CHIPPEWA RIVER BRIDGE ON BLOMBERG ROAD FOR THE PERIOD 08-09-90 THROUGH 12-31-90 EAU ART&SC SOCIOL & ANTHROP	(133-1010)	439.00
3. STATE HISTORICAL SOCIETY OF WISCONSIN MADISON, WI STATE ARCHAEOLOGY ACTIVITIES/REGION 3 FOR THE PERIOD 07-01-90 THROUGH 06-30-91 EAU ART&SC SOCIOL & ANTHROP	(133-1013)	12,000.00

TOTAL EAU CLAIRE		75,241.00
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EXTENSION AND PUBLIC SERVICE	40,000.00
INSTRUCTION	22,363.00
RESEARCH	12,878.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - GREEN BAY

MISCELLANEOUS

- | | | | |
|----|--|------------|----------|
| 1. | EDUCATION, DEPT OF
WASHINGTON, DC
VETERANS EDUCATION OUTREACH PROGRAM
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AWARD # PO64A00399
GBY AC AFF REGISTRAR | (144-BU68) | 3,706.00 |
| 2. | ARTS MIDWEST
MINNEAPOLIS, MN
PRIME CONTRACTOR WITH NEA
MIDWEST OPERA THEATRE
FOR THE PERIOD 10-01-86 THROUGH 06-30-91
AWARD # AGR DTD 05-19-86, MOD. 6
GBY PRS&OR ARTS & PRFORMNCS | (144-Y495) | 586.00 |

RESEARCH

- | | | | |
|----|--|------------|--------------------|
| 1. | UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
BEN J. AND JOYCE ROSENBERG PROFESSORSHIPS
GBY HSSGE SOCIAL CHG & DEV | (133-R268) | 50,000.00 |
| 2. | LOWER GREEN BAY AND FOX RIVER REMEDIAL ACTION PLAN
GREEN BAY, WI
MANAGEMENT IMPROVEMENT FOR GREEN BAY RAP
GBY HSSGE URB & PUB AFFAIR CTR PUB AF | (133-R325) | 11,000.00 |
| | TOTAL GREEN BAY | | 65,292.00
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MISCELLANEOUS	4,292.00
RESEARCH	61,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - OSHKOSH

EXTENSION AND PUBLIC SERVICE

1. NORTHERN LAKE WINNEBAGO PRIVATE INDUSTRY COUNCIL
APPLETON, WI
PRIME CONTRACTOR WITH LABOR
CENTER FOR CAREER DEVELOPMENT AND EMPLOYABILITY
TRAINING
FOR THE PERIOD 03-01-90 THROUGH 12-31-90
OSH EDUC INSTRUCTION (144-4425) 51,000.00
2. WINNE-FOND LAKE CONSORTIUM
OSHKOSH, WI
PRIME CONTRACTOR WITH LABOR
CENTER FOR CAREER DEVELOPMENT AND EMPLOYABILITY
TRAINING
FOR THE PERIOD 01-01-90 THROUGH 12-31-90
AWARD # 90 30 WJ, MOD. 1
OSH EDUC INSTRUCTION (144-4413) 24,937.00
3. WISCONSIN CITY MANAGEMENT ASSOCIATION
OSHKOSH, WI
FUNDS PROVIDED FOR REQUIRED SERVICES
OSH L&S PUBLIC ADMIN (133-3353) 1,500.00

INSTRUCTION

1. DHHS, OFFICE OF HUMAN DEVELOPMENT SERVICES
CHICAGO, IL
HEAD START EXPANSION GRANT
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AWARD # O5CH423224, MOD. 1
OSH EDUC INSTRUCTION (144-4419) 200,306.00
2. DHHS, PHS, HEALTH RESOURCES AND SERVICES ADMIN
ROCKVILLE, MD
BSN DEGREE COMPLETION PROGRAM RN OUTREACH/RURAL
WISCONSIN
FOR THE PERIOD 10-01-90 THROUGH 09-30-91
AWARD # PGR-J2010 NU25210-05
OSH NURS NURS-UNDERGRAD P (144-4423) 147,369.00
3. WI DEPT OF PUBLIC INSTRUCTION
MADISON, WI
WISCONSIN HEAD START PROGRAM
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AWARD # 90-HSS/AODA
OSH EDUC INSTRUCTION (133-3350) 51,000.00
4. WISCONSIN COUNCIL FOR SOCIAL STUDIES
MILWAUKEE, WI
FUNDS IN SUPPORT OF A HISTORY TEACHING
ALLIANCE "JAPAN AND THE OUTSIDE WORLD"
OSH L&S HISTORY (133-3351) 200.00
5. MACINTOSH
FUNDS RECEIVED FOR PARTICIPATION IN MACINTOSH
COMPUTER COMPETITION
OSH BUS AD INSTRUCTION (133-3352) 1,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - OSHKOSH

INSTRUCTION

6.	WISCONSIN SOCIAL SERVICES ASSOCIATION OSHKOSH, WI FUNDS IN SUPPORT OF A CENTER FOR CAREER DEVELOPMENT PRESENTATION TO WISCONSIN SOCIAL SERVICES ASSOCIATION OSH EDUC INSTRUCTION	(133-3354)	323.85
7.	WISCONSIN DESPLACED HOMEMAKERS NETWORK WAUSAU, WI FUNDS IN SUPPORT OF A CENTER FOR CAREER DEVELOPMENT WORKSHOP OSH EDUC INSTRUCTION	(133-3355)	325.00
8.	WISCONSIN SOCIAL SERVICES ASSOCIATION GREEN BAY, WI FUNDS IN SUPPORT OF A CENTER FOR CAREER DEVELOPMENT PRESENTATION OSH EDUC INSTRUCTION	(133-3356)	100.00
9.	COOPERATIVE EDUCATIONAL SERVICE AGENCY #6 OSHKOSH, WI FUNDS IN SUPPORT OF A CENTER FOR CAREER DEVELOPMENT THREE-DAY WORKSHOP OSH EDUC INSTRUCTION	(133-3357)	7,991.00

RESEARCH

1.	NATIONAL SCIENCE FOUNDATION WASHINGTON, DC EXPRESSION AND ANALYSIS OF CYANOBACTERIAL GENES FOR THE CYTOCHROME B6-F COMPLEX AWARD # DMB-8902695 OSH L&S BIOLOGY	(144-4424)	88,200.00
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STUDENT AID

1.	UW-FOUNDATION OSHKOSH, WI FUNDS IN SUPPORT OF RECIPIENTS OF THE "DESIGN FOR DIVERSITY GRANT" WHO AGREE TO ENROLL AS FULL-TIME GRADUATE STUDENTS FOR THE PERIOD 07-01-90 THROUGH 06-30-91 OSH STU A MISC FEL & SCHOL	(133-3349)	14,000.00
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TOTAL OSHKOSH

588,251.85

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EXTENSION AND PUBLIC SERVICE	77,437.00
INSTRUCTION	408,614.85
RESEARCH	88,200.00
STUDENT AID	14,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - PARKSIDE

EXTENSION AND PUBLIC SERVICE

1. MULTIPLE DONORS OPPENEER SCIENCE PROJECTS FUND PKS BUS SV FELLOWS & SCHOLS	(133-R278)	140.00
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INSTRUCTION

1. WISCONSIN (UNIVERSITY OF) PARKSIDE BENEVOLENT FOUNDATION KENOSHA, WI BUSINESS EDUCATION PROGRAM MATCHING FUNDS (DIN) PKS SCH BU DEAN'S OFF	(133-R242)	4,000.00
2. NATIONAL ASSOCIATION OF ADVISORS FOR THE HEALTH PROFESSIONS, INC. YOU CAN BE A HEALTH PROFESSIONAL: PROGRAM 1 AND PROGRAM 2 PKS SCI&TE BIO SCI	(133-R257)	1,000.00

MISCELLANEOUS

1. MULTIPLE DONORS REPAIR AND MAINTENANCE OF SCIENCE DIVISION EQUIPMENT PKS SCI&TE DEAN'S OFF	(133-H334)	100.00
2. MULTIPLE DONORS CENTER FOR SURVEY AND MARKETING RESEARCH PKS AC SUP SURV&MKT R	(133-M131)	2,000.00

RESEARCH

1. UNICO FRANKSVILLE, WI DISTINGUISHED PROFESSOR MATCHING PROGRAM REVENUE FUNDS (182-G-83-3300) PKS SCI&TE ENGR SCI		12,500.00
2. JOHNSON (S.C.) & SON, INC. RACINE, WI RESEARCH IN THE FIELD OF ELECTROMAGNETIC AND DIELECTRIC MEASUREMENTS ON ANIMATE AND INANIMATE SYSTEMS PKS SCI&TE BIO SCI	(133-L319)	1,000.00
3. J I CASE RACINE, WI REGIONAL STAFF DEVELOPMENT CENTER (SCIENCEMOBILE) PKS G E A CHANCELLORS OFF ADMIN	(133-P211)	1,000.00
4. AMERICAN CHEMICAL SOCIETY PETROLEUM RESEARCH FUND WASHINGTON, DC PROJECT SEED PKS SCI&TE CHEMISTRY	(133-R153)	200.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - PARKSIDE

RESEARCH

5.	JOHNSON WAX FUND RACINE, WI DEVELOPMENT OF DEFINED AXENIC CULTURE SYSTEM FOR HYDRA ATTENUATA PKS SCI&TE BIO SCI	(133-R258)	10,000.00
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STUDENT AID

1.	UNIVERSITY ENDOWED SCHOLARSHIP FUND (PKS) PKS BUS SV FELLOWS & SCHOLS	(TRUST)	
	150.00	MULTIPLE DONORS	
	100.00	C.N.A. FOUNDATION CHICAGO, IL	
			250.00
2.	EDUCATION, DEPT OF WASHINGTON, DC STUDENT SUPPORT SERVICES PROGRAM FOR THE PERIOD 09-01-90 THROUGH 08-31-91 AWARD # PO42A00772 PKS G E A CHANCELLORS OFF AC STAF P	(144-BU80)	101,477.00
3.	MULTIPLE DONORS SCIENCE DIVISION FACULTY SCHOLARSHIP PKS BUS SV FELLOWS & SCHOLS	(133-G071)	141.00
4.	MULTIPLE DONORS DE ROSE MARKETING SCHOLARSHIP FUND PKS SCH BU DEAN'S OFF	(133-H907)	250.00

TOTAL PARKSIDE

134,058.00

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EXTENSION AND PUBLIC SERVICE	140.00
INSTRUCTION	5,000.00
MISCELLANEOUS	2,100.00
RESEARCH	24,700.00
STUDENT AID	102,118.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - PLATTEVILLE

EXTENSION AND PUBLIC SERVICE

- | | | | |
|----|--|------------|----------|
| 1. | WISCONSIN HUMANITIES COMMITTEE
MADISON, WI
PRIME CONTRACTOR WITH NEH
GALLERY EXHIBIT-MAPS & COLUMBIAN
FOR THE PERIOD 08-30-90 THROUGH 10-31-90
AWARD # FY90-050(L)
PLT AUX OP OTHER AUX OPNS | (144-0533) | 1,471.70 |
| 2. | BLOCK SYSTEM, INC
NORTH ST. PAUL, MN
WALL TESTING
FOR THE PERIOD 07-31-90 THROUGH 10-31-90
AWARD # CK #1137
PLT ENGR CIVIL ENGR | (133-0531) | 2,000.00 |
| 3. | ASC COMPUTING MACHINERY
NEW YORK, NY
FUNDS IN SUPPORT OF ACM NORTH CENTRAL REGIONAL
CONTEST
AWARD # CK #073534
PLT B,I&C COMPUTER SCIENCE | (133-0532) | 1,300.00 |

INSTRUCTION

- | | | | |
|----|---|------------|----------|
| 1. | UW-PLATTEVILLE FOUNDATION
PLATTEVILLE, WI
PROGRAM SUPPORT
AWARD # CK #10425
PLT ENGR DEAN-COLL ENGR | (133-0529) | 2,331.10 |
|----|---|------------|----------|

RESEARCH

- | | | | |
|----|--|------------|----------|
| 1. | WISCONSIN ENERGY CORP FOUNDATION
MILWAUKEE, WI
PROGRAM SUPPORT
AWARD # CK #4045
PLT ENGR ELECTRICAL ENGR | (133-0530) | 4,000.00 |
|----|--|------------|----------|

TOTAL PLATTEVILLE		11,102.80
		=====

EXTENSION AND PUBLIC SERVICE	4,771.70
INSTRUCTION	2,331.10
RESEARCH	4,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - STOUT

EXTENSION AND PUBLIC SERVICE

1. EDUCATION, DEPT OF
CHICAGO, IL
INDEPENDENT LIVING SKILLS EVALUATION FOR PERSONS
WITH DEVELOPMENTAL DISABILITIES
FOR THE PERIOD 10-01-90 THROUGH 09-30-91
AWARD # G058500150-90
STO ED&H S ST VOC REHAB IN INDEP LIV (144-1605) 50,069.00
2. WI BRD OF VOC TECH & ADULT EDUCATION
MADISON, WI
PRIME CONTRACTOR WITH DED
VTAE PROFESSIONAL DEVELOPMENT COORDINATOR -
PHASE II
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AWARD # 30-105-150-231
STO I&TECH CTR FOR VTAE CTR VTAE (144-1540) 30,000.00
3. WI DEPT OF PUBLIC INSTRUCTION
MADISON, WI
PRIME CONTRACTOR WITH DED
PARENTS AND CHILDREN RESOURCE GUIDE
FOR THE PERIOD 08-01-90 THROUGH 06-30-91
AWARD # PAA 00179
STO H ECON HUMAN DEVELOPMNT HUMAN DEV (144-1665) 25,232.00
4. MULTIPLE DONORS
FUNDS FOR THE USE OF THE CONTINUING EDUCATION
OFFICE
FOR THE PERIOD 07-01-88 THROUGH 06-30-89
AWARD # 5024-1-B-89
STO ET&PS EXTENSION ADMIN NON-CR OTR (133-0690) 11,890.00

GIFT-IN-KIND

1. PAUL JENNINGS
MENOMONIE, WI
GIFT OF A SET OF REFERENCE BOOKS FOR VARIOUS
VERSIONS OF THE "SYMPHONY" COMPUTER PROGRAM
STO I&TECH BUSINESS
2. NICOLET BROADCASTING, INC.
EAGLE RIVER, WI
GIFT OF AIR TIME ON RADIO STATIONS WERL AND WRJO
TO DISCUSS THE FOTRAMA COOPERATIVE FROM
COCHABAMBA, BOLIVIA
STO H ECON APPAREL, TEX&DES
3. ALLEN EVERETT KNITTING COMPANY
MILWAUKEE, WI
GIFT OF A SPONSORED TICKET TO ATTEND BOBBIN SHOW
SEMINAR BY DR. JAMES KNAPTON ON SEPTEMBER 10, 1990
STO H ECON APPAREL, TEX&DES
4. UNIVERSAL FASTENERS, INC.
LAWRENCEBURG, KY
GIFT OF TWO TICKETS TO ATTEND AMERICAN APPAREL
MANUFACTURERS ASSOCIATION BREAKFAST SEMINARS
STO H ECON APPAREL, TEX&DES

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - STOUT

GIFT-IN-KIND

5. TEXTILE CLOTHING TECHNOLOGY CORPORATION
RALEIGH, NC
GIFT OF HOUSING IN NORTH CAROLINA FOR FIVE WEEKS
AND COST OF ATTENDING NINE SEMINARS FOR FACULTY AT
THE TEXTILE CLOTHING TECHNOLOGY CORPORATION
STO H ECON APPAREL, TEX&DES

INSTRUCTION

1. EDUCATION, DEPT OF
CHICAGO, IL
IN SUPPORT OF THE FOLLOWING:
- 1) REHABILITATION TECHNOLOGY SPECIALIST TRAINING
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # H29L90008-90
STO ED&H S ST VOC REHAB IN CTR REH TE (144-1620) 80,297.00
- 2) VOCATIONAL EVALUATION AND WORK ADJUSTMENT LONG
TERM TRAINING PROJECT - ADMINISTRATION
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # H129F90003-90
STO ED&H S REHABILITATION (144-1765) 21,081.00
2. STOUT UNIVERSITY FOUNDATION, INC
MENOMONIE, WI
FUNDS FOR GRAPHIC ARTS LAB INSTRUMENTATION
FOR THE PERIOD 07-01-89 THROUGH 06-30-90
AWARD # 1405-1-D-90
STO I&TECH (133-0616) 500.00

MISCELLANEOUS

1. EDUCATION, DEPT OF
WASHINGTON, DC
STUDENT SUPPORT SERVICES - ASPIRE
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # PO42A00648
STO G E A STU AFF & COUNSL SUPPORT SV (144-1695) 140,175.00
2. DUNN/PEPIN COUNTY CHAPTER OF THE WISCONSIN COUNCIL
FOR THE DEVELOPMENTALLY DISABLED
MENOMONIE, WI
FUNDS FOR THE CONFERENCE OF THE DEVELOPMENTALLY
DISABLED
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AWARD # 5042-1-A-91
STO ET&PS EXTENSION ADMIN NON-CR OTR (133-0690) 100.00
3. FUNDS FOR PRECOLLEGIATE PROGRAMMING
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
STO G E A STU AFF & COUNSL ETHNIC PRG (133-1135)
- 500.00 MARK WHELAN
CHIPPEWA FALLS, WI
500.00 WALT DISNEY WORLD COMPANY
LAKE BUENA VISTA, FL

1,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - STOUT

RESEARCH

1. MENOMIN SEED INC
MENOMONIE, WI
FUNDS FOR KIDNEY BEAN GENETIC RESEARCH
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AWARD # 3297-1-A-91
STO LIB ST BIOLOGY (133-0467) 2,000.00
2. JOHN DEERE HORICON WORKS
HORICON, WI
INVESTIGATION AND FEASIBILITY OF COST EFFICIENT
PROCEDURES FOR DEALING WITH RECYCLABLE PARTS
CONTAINERS FOR JOHN DEERE HORICON WORKS
FOR THE PERIOD 08-01-90 THROUGH 09-14-90
STO I&TECH CTR INVTN&DEVEL (133-1395) 33,011.00

STUDENT AID

1. EDUCATION, DEPT OF
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
 - 1) FISCAL YEAR 1989-90: PELL GRANT
FOR THE PERIOD 07-01-89 THROUGH 06-30-90
AT A TOTAL COST OF \$3,540,128.00
AWARD # PO63P97128, MOD. 2
STO ST AST BEOG PROGRAM (148-0853) 104,988.00
 - 2) FISCAL YEAR 1988-89: PELL GRANT
FOR THE PERIOD 07-01-88 THROUGH 06-30-89
AWARD # PO63P87128, MOD. 3
STO ST AST BEOG PROGRAM (148-0862) 56,157.00
2. EDUCATION, DEPT OF
CHICAGO, IL
VOCATIONAL EVALUATION AND WORK ADJUSTMENT LONG
TERM TRAINING PROJECT - STIPENDS AND TUITIONS
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # H129F90003-90
STO ED&H S REHABILITATION (144-1760) 102,458.00

UNRESTRICTED

1. STOUT UNIVERSITY FOUNDATION, INC
MENOMONIE, WI
FUNDS TO SUPPORT A HORTON PROFESSORSHIP
FOR THE PERIOD 07-01-90 THROUGH 06-30-91
AWARD # 1489-1-A-91
STO I&TECH INDUSTRIAL MGMNT IND MGMNT (133-1285) 4,400.00

TOTAL STOUT

663,358.00

EXTENSION AND PUBLIC SERVICE	117,191.00
INSTRUCTION	101,878.00
MISCELLANEOUS	141,275.00
RESEARCH	35,011.00
STUDENT AID	263,603.00
UNRESTRICTED	4,400.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - SUPERIOR

INSTRUCTION

1. NATIONAL SCIENCE FOUNDATION
WASHINGTON, DC
WISCONSIN SCIENCE EDUCATION SERVICE CENTERS
NETWORK PROJECT
FOR THE PERIOD 07-01-89 THROUGH 06-30-91
AWARD # TPE 8855565
SUP EDUC EDUCATION (144-0453) 242.00

RESEARCH

1. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:

1) SEDIMENT ASSOCIATED POLLUTANTS AT SELECTED GREAT
LAKES SITES AND THEIR EFFECTS UPON BIOTA
FOR THE PERIOD 09-24-89 THROUGH 09-24-90
AWARD # CR-815232-02-0
SUP U RES CTR-L SUP ENV ST CTR-LS E S (144-0460) 20,000.00

2) FISH POPULATION CHANGES AND THE MECHANISMS
ASSOCIATED WITH CHANGE IN AN ACIDIFIED LAKE
FOR THE PERIOD 04-01-90 THROUGH 03-31-91
AWARD # CR-814929-02-0
SUP U RES CTR-L SUP ENV ST CTR-LS E S (144-0461) 34,482.00

3) ASSESSMENT OF METABOLIC ACTIVATION IN
RAINBOW TROUT
FOR THE PERIOD 05-21-90 THROUGH 05-20-92
AWARD # CR-816913-01-0
SUP U RES CTR-L SUP ENV ST CTR-LS E S (144-0462) 59,983.00

2. NATIONAL SCIENCE FOUNDATION
WASHINGTON, DC
SEDIMENTED ASSOCIATED POLLUTANTS AT SELECTED
GREAT LAKES SITES AND THEIR EFFECTS UPON BIOTA
FOR THE PERIOD 09-24-90 THROUGH 09-23-91
AWARD # CR-815232-02-1
SUP U RES CTR-L SUP ENV ST CTR-LS E S (144-0459) 45,000.00

3. GENERAL MILLS
SUPERIOR, WI
GENERAL MILLS ELEVATOR S & X AIR MONITORING
PROGRAM
FOR THE PERIOD 05-15-90 THROUGH 05-14-91
SUP U RES CTR-L SUP ENV ST CTR-LS E S (133-0454) 2,150.24

4. MIDWEST ENERGY RESOURCES
SUPERIOR, WI
MIDWEST ENERGY RESOURCES AIR MONITORING PROGRAM
FOR THE PERIOD 05-01-90 THROUGH 04-30-91
SUP U RES CTR-L SUP ENV ST CTR-LS E S (133-0455) 5,264.36

5. DULUTH SUPERIOR AREA COMMUNITY FOUNDATION
DULUTH, MN
SAN FRANCISCO MIME TROUP - PERFORMANCE
"SEEING DOUBLE"
FOR THE PERIOD 10-17-90 THROUGH 10-17-90
SUP F&AA COMMUNICATG ARTS (133-0456) 1,000.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - SUPERIOR

RESEARCH

6.	GREAT LAKES INDIAN FISH & WILDLIFE COMMISSION ODANAH, WI FUNDS IN SUPPORT OF A WILD RICE STUDY FOR THE PERIOD 08-05-90 THROUGH 09-05-90 SUP U RES CTR-L SUP ENV ST CTR-LS E S (133-0457)	1,000.00
7.	CITY OF SUPERIOR SUPERIOR, WI PHASE I - TREE SURVEY FOR THE PERIOD 05-01-90 THROUGH 08-04-90 SUP U RES CTR-L SUP ENV ST CTR-LS E S (133-0458)	12,788.00
8.	PETER BAHL CORVALLES, OR IDENTIFICATION OF CRUSTACEAN ZOOPLANKTON FROM 98 LAKES IN NEZ PERCE NATIONAL FOREST, IDAHO FOR THE PERIOD 09-01-90 THROUGH 09-30-90 SUP U RES CTR-L SUP ENV ST CTR-LS E S (133-0463)	4,000.00
	TOTAL SUPERIOR	185,909.60 =====
	INSTRUCTION	242.00
	RESEARCH	185,667.60

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - WHITEWATER

INSTRUCTION

1. EDUCATION, DEPT OF
WASHINGTON, DC
STUDENT SUPPORT SERVICES PROGRAM
(REDUCTION DUE TO OVER STATEMENT OF FUNDS)
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AT A TOTAL COST OF \$154,189.00
AWARD # PD42A00283
WTW G E A ACAD SUPPORT SVS (144-1480) 1,000,000.00-
TOTAL WHITEWATER 1,000,000.00-
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INSTRUCTION 1,000,000.00-

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - CENTERS

MISCELLANEOUS

1. EDUCATION, DEPT OF
WASHINGTON, DC
STUDENT SUPPORT SERVICES: DEVELOPMENTAL
EDUCATION PROGRAM OF THE UNIVERSITY OF WISCONSIN
CENTERS
FOR THE PERIOD 09-01-90 THROUGH 08-31-91
AWARD # PO42A00634
CNS WAUK STUDENT AFFAIRS LECT & F A (144-BW23) 215,282.00
2. WISCONSIN HUMANITIES COMMITTEE
MADISON, WI
PRIME CONTRACTOR WITH NEH
MAPS, COLUMBUS AND THE THREE SONS OF NOAH
FOR THE PERIOD 08-31-90 THROUGH 11-30-90
AWARD # FY90-049 (L)
CNS WAUK LIBRARY ADMIN (144-BW18) 1,500.00
3. UWC-MARSHFIELD/WOOD COUNTY-LECTURE FINE ARTS
CNS MARSH STUDENT AFFAIRS LECT & F A (133-LO40)

500.00 MULTIPLE DONORS
500.00 ASSOCIATED CITIZENS
MARSHFIELD, WI
160.00 MULTIPLE DONORS

1,160.00
4. MULTIPLE DONORS
DRAMA DONOR FUND
CNS MARSH STUDENT AFFAIRS DRAMA PROD (133-L410) 385.00
5. MULTIPLE DONORS
THEATRE SUPPLIES
CNS SHEBOY STUDENT AFFAIRS DRAMA PROD (133-M680) 1,565.00
6. MULTIPLE DONORS
DEAN'S DISCRETIONARY FUND
CNS MANIT (133-N933) 250.00
7. UNIVERSITY OF WISCONSIN MARINETTE FOUNDATION
MARINETTE, WI
FULBRIGHT SCHOLAR
CNS MARIN ADMINISTRATION (133-N985) 1,200.00
8. MULTIPLE DONORS
WOOD COUNTY SYMPHONY
CNS MARSH STUDENT AFFAIRS WOOD SYMPH (133-P173) 100.00

STUDENT AID

1. EDUCATION, DEPT OF
WASHINGTON, DC
PELL GRANT PROGRAM
FOR THE PERIOD 07-01-88 THROUGH 06-30-89
AT A TOTAL COST OF \$3,524,763.00
AWARD # PO63P87118, MOD. 6
CNS (148-R089) 74.00-

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - CENTERS

STUDENT AID

2.	HERB KOHL EDUCATION FOUNDATION MILWAUKEE, WI SCHOLARSHIPS ACCOUNT CNS MANIT STUDENT AFFAIRS	FELL & SCH	(133-N932)	1,000.00
3.	UNIVERSITY OF WISCONSIN FOX CITIES FOUNDATION MADISON, WI SCHOLARSHIP ACCOUNT CNS FOX VA STUDENT AFFAIRS	FELL & SCH	(133-P182)	17,542.25
4.	FRIENDS OF THE CAMPUS BARABOO, WI CAMPUS STUDENT SCHOLARSHIPS CNS B-SAUK STUDENT AFFAIRS	FELL & SCH	(133-P347)	4,448.20
5.	UNIVERSITY OF WISCONSIN MARATHON COUNTY FOUNDATION WAUSAU, WI SCHOLARSHIPS CNS MARATH STUDENT AFFAIRS	FELL & SCH	(133-P661)	26,100.00
6.	MULTIPLE DONORS SCHOLARSHIPS CNS RICH STUDENT AFFAIRS	FELL & SCH	(133-P662)	25.00
7.	WASHINGTON COUNTY CAMPUS FOUNDATION WEST BEND, WI SCHOLARSHIP FUND CNS WASH STUDENT AFFAIRS	FELL & SCH	(133-P663)	4,500.00
8.	FOND DU LAC UNIVERSITY OF WISCONSIN CENTER FOUNDATION, INC. FOND DU LAC, WI SCHOLARSHIPS CNS FD LAC STUDENT AFFAIRS	FELL & SCH	(133-P722)	1,490.00
	TOTAL CENTERS			276,473.45
				=====
	MISCELLANEOUS		221,442.00	
	STUDENT AID		55,031.45	

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - EXTENSION

EXTENSION AND PUBLIC SERVICE

1.	FY 89 PROGRAM UNDERWRITING EXT TELCOM WHA TELEVISION	(133-M807)	
	4,000.00	NATURESCAPES MADISON, WI	
	2,000.00	LESLIE PAPER FOUNDATION MINNEAPOLIS, MN	
	600.00	PET PLUS MADISON, WI	
	2,500.00	MENDOTA GRIDIRON CLUB MADISON, WI	
			9,100.00
2.	WAUSHARA COUNTY WAUTOMA, WI COUNTY SUPPORT FOR HOME ECONOMIST-WAUSHARA COUNTY FOR THE PERIOD 07-01-89 THROUGH 06-30-91 EXT COOP E CO&AREA OFC-CTRL	(133-P290)	25,769.00
3.	TAYLOR COUNTY MEDFORD, WI COUNTY SUPPORT FOR AGRICULTURE AGENT, HOME ECONOMIST AND RESOURCE DEVELOPMENT AGENT-TAYLOR COUNTY FOR THE PERIOD 07-01-89 THROUGH 06-30-91 EXT COOP E CO&AREA OFC-CTRL	(133-P292)	43,526.00
4.	LINCOLN COUNTY MERRILL, WI COUNTY SUPPORT FOR AGRICULTURE AGENT-LINCOLN COUNTY FOR THE PERIOD 07-01-89 THROUGH 06-30-91 EXT COOP E CO&AREA OFC-CTRL	(133-P294)	23,041.00
5.	DANE COUNTY MADISON, WI SUPPORT FOR AGRICULTURE AND NATURAL RESOURCE AGENT FOR THE PERIOD 05-01-89 THRU 06-30-91 AWARD # AG-9-89 EXT COOP E C&AREA OFC-SOUTH	(133-P412)	25,560.00
6.	MULTIPLE DONOR SUPPORT OF ROCK COUNTY URBAN YOUTH PROGRAM EXT COOP E C&AREA OFC-SOUTH	(133-P603)	350.00
7.	MULTIPLE DONORS MILWAUKEE COUNTY PROJECTS EXT COOP E CO&AREA OFC-S E CO OFC-S E	(133-Q022)	290.00
8.	DODGE COUNTY JUNEAU, WI SUPPORT FOR AGRICULTURE AGENT, AG/DAIRY AGENT, AG/LIVESTOCK AGENT, 4-H YOUTH AGENT, HOME ECONOMIST AND CRD AGENT FOR THE PERIOD 01-01-90 THRU 06-30-91 EXT COOP E C&AREA OFC-SOUTH	(133-Q334)	121,532.00

GIFTS, GRANTS AND CONTRACTS
OCT 5, 1990

UNIVERSITY OF WISCONSIN - EXTENSION

EXTENSION AND PUBLIC SERVICE

9. EDUCATIONAL COMMUNICATIONS BOARD
MADISON, WI
PUBLIC RADIO GENERAL PROGRAMMING SUPPORT
FY 1991 FOR THE PERIOD 07-01-90 THRU 06-30-91
EXT TELCOM WHA RADIO (133-Q919) 1,426,248.00

TOTAL EXTENSION 1,675,416.00
=====

EXTENSION AND PUBLIC SERVICE 1,675,416.00

OCTOBER 5, 1990
 GIFTS, GRANTS AND CONTRACTS SUMMARY
 ITEMS PROCESSED 08-18-90 THROUGH 09-14-90

	EXTENSION	INSTRUCTION	LIBRARIES	MISC.	PHY. PLANT	RESEARCH	STUDENT AID	UNRES.	TOTAL
SYSTEM ADMINISTRATION	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
CENTERS	-0-	-0-	-0-	221,442	-0-	-0-	55,031	-0-	276,473
EAU CLAIRE	40,000	22,363	-0-	-0-	-0-	12,878	-0-	-0-	75,241
EXTENSION	1,675,416	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1,675,416
GREEN BAY	-0-	-0-	-0-	4,292	-0-	61,000	-0-	-0-	65,292
LA CROSSE	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
MADISON	-0-	1,240,852	180,289	1,507,264	30,000	19,956,972	999,644	-0-	23,915,021
MILWAUKEE	-0-	376,440	4,131	17,133	-0-	1,400,104	35,906	-0-	1,833,714
OSHKOSH	77,437	408,615	-0-	-0-	-0-	88,200	14,000	-0-	588,252
PARKSIDE	140	5,000	-0-	2,100	-0-	24,700	102,118	-0-	134,058
PLATTEVILLE	4,772	2,331	-0-	-0-	-0-	4,000	-0-	-0-	11,103
RIVER FALLS	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
STEVENS POINT	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
STOUT	117,191	101,878	-0-	141,275	-0-	35,011	263,603	4,400	663,358
SUPERIOR	-0-	242	-0-	-0-	-0-	185,668	-0-	-0-	185,910
WHITEWATER	-0-	(1,000,000)	-0-	-0-	-0-	-0-	-0-	-0-	(1,000,000)
TOTAL OCT 1990	1,914,956	1,157,720	184,420	1,893,507	30,000	21,768,532	1,470,303	4,400	28,423,838
PREVIOUSLY REPORTED	2,919,223	8,004,298	953,250	4,990,947	2,896,801	60,348,607	50,409,537	49,555	130,572,218
GRAND TOTAL	4,834,178	9,162,019	1,137,670	6,884,454	2,926,801	82,117,139	51,879,840	53,955	158,996,056
TOTAL OCT 1989	806,492	1,375,961	4,184	1,643,640	105,683	15,372,038	1,400,585	42,015	20,750,598
PREVIOUSLY REPORTED	3,482,284	5,518,518	426,337	4,407,318	191,806	64,502,299	57,506,413	73,710	136,108,685
GRAND TOTAL	4,288,776	6,894,480	430,521	6,050,958	297,489	79,874,337	58,906,998	115,724	156,859,283
FEDERAL TOTAL OCT 1990	222,710	947,377	-0-	885,014	-0-	17,642,169	632,281	-0-	20,329,551
PREVIOUSLY REPORTED	1,049,217	7,141,615	-0-	436,305	732,601	37,749,518	49,519,827	-0-	96,629,083
FEDERAL GRAND TOTAL	1,271,927	8,088,992	-0-	1,321,318	732,601	55,391,687	50,152,108	-0-	116,958,633
FEDERAL TOTAL OCT 1989	391,205	1,276,275	-0-	519,593	105,683	11,303,998	1,138,993	-0-	14,735,747
PREVIOUSLY REPORTED	1,188,402	5,015,497	-0-	1,072,105	174,056	36,114,350	56,259,834	-0-	99,824,244
FEDERAL GRAND TOTAL	1,579,607	6,291,772	-0-	1,591,698	279,739	47,418,348	57,398,827	-0-	114,559,991

Policy Principles for Enrollment Management II

Enrollment management Phase I was resource-driven, motivated by the desire to sustain and improve educational quality by returning support per student and faculty/student ratios to their 1978-79 levels. This has entailed a three-pronged effort: (1) increased state financial support, (2) tuition increases, and (3) enrollment declines. The success of Enrollment Management I means that support per student (measured in dollars per student and student/faculty ratios) will be very close to the 1978-79 level, the target for the first phase of enrollment management, by 1991.

Enrollment Management II will be driven by the need to maintain these quality advances and the necessity of meeting the needs of a changing mix of students within very tight resource constraints.

As the result of extensive deliberations we are now in a position to define in some detail our approach to enrollment questions and associated issues for the next two budget cycles. Over this period we see some weakening of demand from the traditional 18-22 year old segment whose numbers will decline about 13% over the next four years. During this period the System will experience some decrease in overall enrollment. The size of the decrease may be ameliorated by more intensive services to non-traditional aged student groups. Nonetheless we should plan for some decrease in the first half of the 90's to be followed by renewed demand in the latter half of the decade.

It is essential that we estimate and achieve enrollments as accurately as possible. If we overestimate actual enrollments, fees will be set too low and we will experience a revenue shortfall; if we underestimate actual enrollments, fees will be set too high and we will generate excess revenues that must be carried over to reduce future tuition increases.

At this stage it is helpful to lay out the basic policy principles that will guide our more detailed planning. These are divided into four basic categories, the central goal of maintaining and enhancing educational quality, principles of equity among the institutions, enrollment reporting principles, and budget issues.

A. Protect and Enhance Educational Quality

1. Academic standards will be maintained, specifically admission standards will not decrease at any institution.
2. Institutions whose enrollments come in at or under target may choose to reduce faculty, so long as educational quality is maintained (as indicated by faculty/student ratios, support per student etc.). Those institutions whose enrollments exceed target will be expected to maintain faculty levels.
3. Institutions that reduce faculty will be permitted to retain the freed resources to address other pressing institutional needs (such as library needs).

B. Equity Among Institutions

1. There will be a second 4-year plan for systemwide enrollment reduction for 1991-95. All institutions will participate in that reduction (except those specifically identified for growth).
2. As in Enrollment Management I, some institutions will be slated to grow while others decline.
3. Targets will be monitored to allow a range of 1% on either side of the established "budget enrollment target". Institutions will be funded at their "budget enrollment target" as described under Section D below.

C. Enrollment Reporting Principles

1. Enrollments will be reported via the CDR using uniform definitions. Extended degree students will be included for all institutions.
2. Institutions will establish subtargets for new freshmen, transfer students, re-entry, special students, and graduate students and will report enrollments annually by these subtargets.
3. CAPP (GAPP 36) enrollments will be reported via the CDR but excluded from official enrollment figures.
4. The non-resident proportion of an institution's undergraduate student body will be no higher than 25% overall. The undergraduate student body will be defined for this purpose as students with classifications of freshmen, sophomore, junior or senior. Undergraduate special students will not be included for this purpose. Non-resident for this purpose is defined as non-resident for fee purposes. This means that Minnesota and Michigan compact, and TAP (Tuition Award Program) students will be counted as residents (because they pay resident fees). Foreign students with non-resident status will be counted as non-residents.

D. Budget Issues

1. Institutional budgets will be based on their established enrollment targets. A single "budget enrollment target" will be established for each of the next 4 years.
2. Institutions that exceed their "budget enrollment target" will not benefit from the excess tuition revenue they generate (which will revert, as currently, to the systemwide pool to offset future tuition increases).
3. Institutions that are up to 1% below their "budget enrollment targets" will have their base budgets supported from excess revenues generated by those that exceed their target.
4. Institutions that reduce faculty to generate savings for other urgent needs, will not be disadvantaged in future budget allocations. For example, an institution that uses such funds to improve library holdings would not be disadvantaged in future budget allocations because their library needs had been lowered by their own self-help efforts.

University of Wisconsin System
Enrollment Management Targets for 1991-92 to 1994-95

Full-time Equivalents

	Actual*	Base 1990	Proposed Targets				Phase II Change	
	1990		1991-92	1992-93	1993-94	1994-95	Total	Percent
Madison	37,466	36,151	36,600	35,600	34,800	34,500	-1,651	-4.57%
Milwaukee	17,200	16,845	16,592	16,339	16,213	16,087	-758	-4.50%
Eau Claire	9,568	9,481	9,409	9,337	9,265	9,193	-288	-3.04%
Green Bay	4,010	4,010	4,060	4,110	4,160	4,210	200	4.99%
La Crosse	8,196	8,135	7,999	7,997	7,960	7,888	-247	-3.04%
Oshkosh	9,624	9,430	9,325	9,220	9,114	9,007	-423	-4.49%
Parkside	3,639	3,550	3,509	3,468	3,427	3,387	-163	-4.59%
Platteville	4,857	4,849	4,730	4,675	4,623	4,630	-219	-4.52%
River Falls	4,619	4,832	4,793	4,754	4,714	4,675	-157	-3.25%
Stevens Point	7,990	7,997	7,907	7,817	7,727	7,637	-360	-4.50%
Stout	6,961	6,919	6,867	6,814	6,762	6,709	-210	-3.04%
Superior	2,106	2,064	2,047	2,030	2,012	2,000	-64	-3.10%
Whitewater	8,853	8,832	8,765	8,698	8,631	8,564	-268	-3.03%
Centers	8,057	7,887	7,467	7,553	7,553	7,538	-349	-4.43%
SYSTEM	133,146	130,982	130,070	128,412	126,961	126,025	-4,957	-3.78%

Change from Prior Year- Number -912 -1,658 -1,451 -936
Change from Prior Year- Percent -0.70% -1.27% -1.13% -0.74%

* Enrollments for Fall 1990 are preliminary.

Summary of adjustments to the 1990 base

1. Milwaukee, Parkside and Centers reduced to recognize where targets could not be realized.
2. Superior, Platteville, Green Bay and River Falls adjusted for the Extended Degree enrollments.
3. Some small adjustments made for correction of reporting problems.
4. Adjustment to Oshkosh 1990 base to better phase decline.

10/5/90

ISSUES OF THE NINETIES:

SOME PRINCIPLES for HIGHER EDUCATION

The University of Wisconsin System is committed to providing quality in teaching, in research, and in public service. The University of Wisconsin System is also committed to providing access to its quality programs and resources. To ensure maximum quality and to provide access within the resources available, the University of Wisconsin System must also be efficient. However, when faced with a choice between maintaining educational quality and decreasing access to its programs and resources, the University of Wisconsin System must choose to maintain quality. For if academic programs, research, and public service are not first rate, access to the institutions will be of little value.

The Issue: Academic Quality

The Challenge: The initial components in achieving excellence in educational quality are putting into place first quality faculty to teach well-prepared students in first quality academic programs, housed in the appropriate facilities. To have these components in place, the UW System must work with the secondary schools to maintain and improve the quality of the students entering the university, and it must work with the state agencies to maintain and improve the quality of institutional facilities. In addition, in order to evaluate its achievements the University of Wisconsin System must be able to state educational goals and to assess student learning. The University of Wisconsin System must also be accountable to the public by demonstrating effectiveness.

Background: The University of Wisconsin System and system institutions use available information to improve educational quality. The University of Wisconsin System and system institutions will expand current goal-based assessment efforts, such as: evaluation of basic skills competencies, assessment of remedial education results, assessment of verbal and quantitative proficiency skills,* and monitoring of institutional efforts toward achieving diversity in the student, faculty, and staff populations.

During the 1990s, the University of Wisconsin System Board of Regents will base accountability and academic quality decisions on the following policy principles:

Policy Principles:

*Assessment of student learning is done to improve the quality of undergraduate instruction.

*Systemwide assessment methods will not be used to judge an individual student's (or faculty member's) performance, nor will they be used as a basis for inaccurate institutional comparisons.

*Proficiency testing (distinct from and in addition to systemwide assessment of programs) will be used to evaluate key aspects of education, including student learning in the major and in fundamental proficiency skills.

*While not all educational goals can be expressed in quantifiable terms, most educational goals can be stated concretely, and progress toward those goals can be assessed.

*Teaching excellence must be rewarded in meaningful ways.

Action Guidelines:

During the 1990s, the University of Wisconsin System will act on these guidelines:

1. Institutions will develop and state clear goals for all undergraduate programs.

2. Where appropriate, quantifiable indicators will be used to recognize successful endeavors (thus providing useful instructional models and techniques) and to discover areas needing improvement.

3. The University of Wisconsin System Administration and the institutions will assess progress toward educational goals and service to the public through: periodic surveys of Wisconsin employers; surveys of alumni concerning educational satisfaction; surveys of students concerning student services and institutional facilities.

4. The University of Wisconsin System Administration, in cooperation with UW System institutions, will issue periodic, public reports on the Academic Quality Program.

*The University of Wisconsin-Milwaukee accomplishes this by testing all students on basic mathematics and English skills before they may register as juniors. Other institutions are piloting efforts such as portfolio analysis and tests of all students' achievement in general education skills and knowledge.

The Issue: Educational Costs and Resources*

The Challenge: The University of Wisconsin System must maintain its educational quality, provide appropriate access and keep student costs reasonable. To do this, the UW System must balance needs with resources. Similarly, the state must set clear priorities for use of its resources.

Background: The University of Wisconsin System's needs compete with other claims on state resources, including the demand by voters for reduced taxes. In this competition, higher education's share of state GPR steadily declined during the 1980s. The competition will continue into the 1990s, while Wisconsin will experience only moderate economic growth and Wisconsin's per capita income will remain at about five percent below the national average.

Four elements will interact during the 1990s to determine how well the UW System will meet Wisconsin's demand for higher education: enrollments, GPR support levels, tuition levels, and base substitutions.

During the 1990s, the University of Wisconsin System Board of Regents will base decisions concerning educational costs and resources on the following principles:

Policy Principles:

°Excellence in education is the Board of Regents' continuing priority. As stated in "Planning the Future:"

When faced with a choice between maintaining educational quality within budgetary constraints or providing access for students to particular institutions, the Regents place priority on quality.

The Regents will promote the most effective use of existing program capacity to better serve students throughout the University of Wisconsin System (1986).

°Limits placed on one or more of the four costs/resources elements (enrollments, GPR support levels, tuition levels, and base substitutions) would require corresponding changes in the remaining elements. The base resource needs of the UW System require that the four be balanced.

Action Guidelines:

During the 1990s, the University of Wisconsin System will act on these guidelines:

1. Maintaining quality in education will be the paramount consideration during budget development.

2. In order to honor Wisconsin's tradition of access to higher education, tuition will be kept as low as feasible while maintaining quality.

3. The University of Wisconsin System will seek a modestly increased share of the state GPR budget with which to remedy the previous decade's decline in state GPR support.

4. Base funds generated by one-time faculty retirement savings may be used for high priority purchases necessary for maintaining educational quality, such as instructional laboratory equipment, computerization and telecommunication equipment, or books and instructional media.

5. In preparation for the demographic upturn predicted by 1995, the Board will re-examine the needs, funding, and quality of UW System education by 1995, in order to adjust policies for the last half of the decade.

*Further policy principles involving enrollment management and the essentially related issues of faculty and academic staff compensation and institutional infrastructure are listed in separate "Issues" papers.

The Issue: Enrollment Management

The Challenge: During the 90s, the University of Wisconsin System's resources will be severely limited, while the numbers of traditional aged students seeking to enroll will fluctuate. The UW System must balance its resources with enrollments to sustain quality education throughout the decade.

Background: To enhance the quality of education in the UW System, in 1986 the Board of Regents decided to manage enrollments in coordination with tuition policy and with requests for increased state funding, and to limit enrollments when necessary to maintain quality within budget constraints. Increased admission standards have played a strong role in lowering enrollments. Thus, student-faculty ratios have improved and course bottlenecks have eased. During the 1980s, admission standards were also reviewed and the preparation needed for high school students to succeed at UW System institutions was considered. New statewide admission requirements will go into effect in Fall, 1991.

In the 90s, Wisconsin anticipates a statewide "U-shaped" demographic demand for university enrollment among traditional high school graduates. This will provide opportunities to serve more non-traditional and adult students. While different areas of the state will vary, there will be an overall modest decline over the first half of the decade and, then, an overall upswing to or beyond current levels in the second half. Stable resource planning dictates a reasonable smoothing of this curve.

During the 1990s, the University of Wisconsin System Board of Regents will base enrollment management decisions on the following principles:

Policy Principles:

°Enrollment management will balance the number of students served with the availability of resources.

°Instructional quality and improvements achieved in the 1980s must be maintained or enhanced, and efforts toward achieving diversity in the student population must be continued.

°Admission standards must not be lowered, and they must be reviewed periodically to maintain true to the spirit of Board policy.

°All institutions will participate in enrollment management.

°Responsible communication and reporting concerning targets, their effects, and their implications will be necessary at the statewide and institutional levels.

°The University of Wisconsin System must act prudently in responding both to the declining enrollments anticipated in the early 90s and to the anticipation of increased student demand in the late 90s.

Action Guidelines:

During the 1990s, the University of Wisconsin System will act on these guidelines:

1. In order to preserve the quality improvements achieved in the 80s, systemwide enrollments will be reduced about 3.5 percent between 1991 and 1995. The UW System enrollment management policy will be revisited and revised as appropriate for the second half of the 90s, taking into account the outlook for resources to meet anticipated increases in demand at that time.
2. The UW System Administration will establish specific institutional target ranges in consultation with the chancellors, using annual enrollment figures and standard student count definitions.
3. The Board of Regents will review enrollments against targets annually.
4. Budgets will be based on enrollment targets, not on enrollments.
5. In the first half of the 90s, some UW System institutions will be able to expand educational opportunities for nontraditional-aged students.
6. The Board of Regents will share plans for enrollment management with other educational sectors to facilitate coordinated planning.

The Issue: Regulatory Environment and Management Flexibility

The Challenge: The UW System should be able to use its scarce resources for the maximum effect while remaining fully accountable to the public.

Background: United States policy makers and university administrators are re-thinking the balance between management flexibility and accountability. As a result, the legislatures of eight states have recently given increased management flexibility to their universities. However, national studies place Wisconsin's public universities among those most regulated by state government.

The 1987 management concessions granted by the state to the UW System most notably allowed the institutions to create positions funded by gifts, grants, and contracts and to spend those revenues when received without the need to seek additional expenditure authority; to carry forward the authority to spend academic fees and indirect cost reimbursements received in the prior year; and to conduct pre-auditing of expenditures directly.

These changes have shortened timelines for review and approval, conserved staff time, resulted in position savings, allowed for quicker payments to vendors, and improved financial planning.

During the 1990s, the University of Wisconsin System Board of Regents will base decisions concerning regulation and management flexibility on the following principles:

Policy Principles:

- °Accountability is demonstrated by results.
- °Flexibility encourages greater initiative, creativity, and efficiency in the use of scarce resources.
- °Reporting should be directly linked to performance, rather than to process.
- °All reports should be subjected to benefit-cost tests.
- °The legitimate needs of both the state and the University of Wisconsin System must be recognized.
- °Savings achieved through an institution's creative use of management flexibility should remain at that institution for local use in achieving a high priority. That is, if an institution saves money, it should be rewarded by being able to spend it on a previously-designated need.

Action Guidelines:

During the 1990s, the University of Wisconsin System will act on these guidelines:

1. With each request for management flexibility, the UW System Administration will demonstrate how accountability for performance results will be assured.
2. Management flexibility for System Administration and the institutions will be sought in the following areas: transfer of funds; creation of program revenue-funded positions; expenditure of program revenues; purchasing discretion; flexible use of capital budget funds and the ability to use revenue bonding authority; designation of auxiliary fees; determination of appropriate reserves; expenditure of utilities funds; and expenditure of fringe benefits funds.
3. The University of Wisconsin System Administration will examine state, federal, and System-imposed reporting requirements and consider ways to simplify, consolidate, or eliminate some reports.

The Issue: Faculty and Academic Staff Compensation

The Challenge: The University of Wisconsin System and the State of Wisconsin must develop an effective process for meeting faculty and academic staff compensation needs to compete effectively for highly qualified personnel available in the national and statewide higher education academic markets.

Background: As is true nationwide, the University of Wisconsin System faculty and academic staff are aging. Many of those faculty and academic staff members hired during the expansion years of the 1960s will retire in the 1990s. Simultaneously, the pool of potential replacement faculty is shrinking and the numbers of traditional-aged students will increase again in the mid-1990s. The University of Wisconsin System institutions must be able both to recruit new academic personnel and to retain existing personnel who will be actively recruited by competing institutions.

Relevant to the UW System's situation is the fact that, in its 1990-91 bargaining settlements, the state recognized separate markets and effectively decoupled some employees from traditional pay plans by setting differing pay structures for some groups of state professional employees, such as attorneys, nurses, and security personnel.

During the 1990s, the University of Wisconsin System Board of Regents will base faculty and academic staff compensation decisions on the following principles:

Policy Principles:

*A highly qualified, dedicated, and diverse faculty and academic staff is crucial to overall excellence in education.

*Compensation is key to recruitment and retention, especially during a period of highly competitive academic markets.

*Maintaining levels of compensation competitive in the appropriate academic markets will be the highest funding priority for the University of Wisconsin System during the 1990s.

*UW System pay policies must be separated from those of other state employees. Faculty and academic staff salaries and benefits must be related to the national and regional higher education job markets.

*Merit performance and market factors will continue to be fundamental in the distribution of pay increases.

Action Guidelines:

During the 1990s, the University of Wisconsin System will act on these guidelines:

1. An agreement for determining the UW System's pay plan needs should be reached with state government so that the extended disputes over technical matters that have marked the past several biennia both inside and outside the UW System can be abandoned, and so that time and energy can be directed to more substantive duties of education and governance.

2. If the state determines that it cannot fully meet the competitive compensation needs of the System in the 1990s, the Board of Regents will use other means of adjusting university operations to ensure continuing quality, including enrollment reductions and other policies, such as corresponding staff reductions, that can free a larger share of existing base resources to supplement state pay plans.

The Issue: Infrastructure for the 1990s

The Challenge: The University of Wisconsin System Administration and the State of Wisconsin must work together to maintain and preserve the state's long-term investment in physical facilities and to create new and renovated space, doing all these tasks in the most cost-effective manner.

Background: The University of Wisconsin System institutions have physical plant facilities and auxiliary networks (power plants, communication systems, roads) representing a \$3.6 billion investment in 1,600 buildings and 42 million gross square feet. Much of that infrastructure is deteriorating or is obsolete.

This status reflects: a deferred maintenance backlog, an under-funded routine maintenance program, an obsolete information management technology, a need for more effective space management, an excessively complex process for repair and replacement, an increasing need for environmental sensitivity and safety, and a lack of funding for exterior development.

During the 1990s, the University of Wisconsin System Board of Regents will base decisions about the university system's infrastructure on the following principles:

Policy Principles:

°The Board of Regents must protect the state's investment in its university facilities.

°Whenever feasible, authority for construction project oversight should be delegated to those with the greatest stake in a quality outcome: the users.

°Innovative funding mechanisms for building projects must be devised to meet future needs.

°Legislatively imposed mandates for environmental, health, safety, and accessibility regulations should be supported by state appropriations.

°The deferred maintenance backlog must be eliminated and not allowed to re-accumulate.

°Dependable and sustainable funding is critical to the long range solution of infrastructure problems.

Action Guidelines:

During the 1990s, the University of Wisconsin System will act on these guidelines:

1. The UW System Administration and the Board of Regents will work with the State Building Commission and Division of State Facilities Management to simplify complex capital budgeting processes and to focus staff and planning resources.

2. Recognizing that state funds for new construction will be strained in the 90s, the University of Wisconsin System will seek to modify capital planning procedures to facilitate the use of private funding where appropriate, in the context of various institutional capacities for raising private funds.

3. When new construction is undertaken, state provision of base operating funds for its maintenance will be simultaneously sought.

4. The UW System Administration and the Board of Regents will explore reducing the UW System's reliance on the state's general obligation bonding authority through issuing separate obligations secured by System revenues.

5. The UW System Administration and the Board of Regents will seek an identified appropriation of funds for eliminating the deferred maintenance backlog.

The Issue: The Role and Function of Research

The Challenge: The University of Wisconsin System must continue to foster the pursuit of knowledge, to provide research space and equipment, to encourage interdisciplinary research, and to assist in the transfer of technology from the university laboratory to public and private sector use--even during a period of resource constraints.

Background: The generation of knowledge through research and scholarship is essential to the UW System's mission, and research is correspondingly crucial to Wisconsin's economy. During 1989-90, the University System's research endeavors brought more than \$250 million in outside revenues into the state, generating more than \$625 million a year in income, purchases, and tax payments. Scholarly research occurs at all UW System institutions.

During the 1990s, universities in the United States will face increasing international competition. Continued excellence in research demands sound facilities, state-of-the-art equipment, and highly qualified personnel.

During the 1990s, the University of Wisconsin System Board of Regents will base decisions regarding research on the following principles:

Policy Principles:

°The University of Wisconsin System must foster the search for new knowledge.

°Research is fundamental to graduate instruction and to public service, and is an essential complement to undergraduate instruction.

°The UW System institutions must reward scholars and facilitate their competition for external funds.

°Competitive compensation and an adequate research support structure is essential to excellence in research.

°University of Wisconsin System institutions must serve the state, national and international demands for new ideas and new technologies.

°Universities must serve as open forums for debate of scientific and public policy issues, and faculty and staff must remain vigilant in maintaining the objectivity of their own work and research.

°Excellent graduate students are critical for world class research. Competitive financial assistance for graduate students is, therefore, essential.

Action Guidelines:

For the 1990s, the University of Wisconsin System reaffirms its previously successful actions and will continue its leadership through acting on these guidelines:

1. The UW System has a well-developed set of policies governing the ownership and control of intellectual property. The UW-Madison has a unique means for assisting researchers in obtaining patents and licensing agreements, through the Wisconsin Alumni Research Foundation (WARF): The maintenance of this tradition is crucial. Other UW System institutions must develop mechanisms for assisting researchers in obtaining patents and licensing agreements, as well as in distribution of potential financial benefits.

2. Faculty members who are engaged in continuous, top-quality research at the UW System's doctoral institutions will train young scholars and research scientists.

3. The UW System and the individual institutions will assist government and industry in the transfer of technology from the laboratory to the marketplace, through participation in the Governor's Council on Science and Technology, in university-industry consortia, through joint projects with the WBVTAE, and through cooperation with individual entrepreneurs throughout the state.

The Issue: Relationships with Other Educational Sectors

The Challenge: In order to develop fiscally and educationally responsible policies, the University of Wisconsin System Administration and the Board of Regents must communicate effectively with other educational sectors in Wisconsin and should seek to collaborate and coordinate efforts in appropriate and cost-effective ways. Such efforts will also ensure maximum responsiveness to the needs of Wisconsin citizens, such as the need for a labor force with technical sophistication.

Background: Policies adopted by the UW System often affect other sectors of public and private education. Many joint committees, coordinating mechanisms, and communication methods now anticipate and deal with these effects, connecting the UW System with agencies such as: the Department of Public Instruction (DPI), Vocational, Technical and Adult Education (WBVTAE), the Wisconsin Association of Independent Colleges and Universities (WAICU), the Higher Educational Aids Board (HEAB), and the Educational Communications Board (ECB). In the past few years, coordination and collaboration have increased in areas like facilitating transfer opportunities, working with high school counselors, reaching articulation agreements, and coordinating through WiscNet. Upcoming issues that will confront all Wisconsin educators include: educating at-risk students; educating gifted and talented students; and providing skilled workers.

During the 1990s, the University of Wisconsin System Board of Regents will base decisions regarding relationships with other educational sectors on the following principles:

Policy Principles:

*The Board of Regents reaffirms the importance of maintaining mission differentiation and of facilitating transfer opportunities among the various branches of higher education.

*In the origination and implementation of systemwide policies, possible impacts on other educational sectors will be considered.

*Coordinated efforts will be continued to avoid the duplication of missions and programs, the wasteful competition among institutions for students, and the need to expend scarce resources for remedial education.

*The need for and the effectiveness of existing collaborative and coordinative mechanisms should be periodically reviewed.

Action Guidelines:

The University of Wisconsin System and the individual institutions have just begun exploring collaboration and coordination made possible by advanced technology. To facilitate expansion of these endeavors, during the 1990s, the University of Wisconsin System will act on these guidelines:

1. In the 90s, additional collaborative opportunities will arise in the use of satellite-delivered instruction and in efforts to maintain and restructure financial aid programs. The University of Wisconsin System Administration will explore collaborative efforts in these areas and others that may arise.

2. The UW System Administration will examine possible expanded reciprocity opportunities in areas other than tuition and admissions. (Currently there are reciprocity agreements between the states of Wisconsin and Minnesota and between UW Center-Marquette and the Bay de Noc and Gogebic community colleges in Michigan.)

The Issue: Strategic Planning

The Challenge: In an era of scarce resources, the University of Wisconsin System must use and improve established strategic planning procedures to ensure program quality and support.

Background: Strategic planning takes place at both the system level and the institutional level. At the institutional level, it deals most directly with academic program array and occurs during planning processes, accreditation examinations, and regular program reviews.

The University of Wisconsin System has engaged in systemwide strategic planning since merger. The most recent systemwide studies were conducted in the academic areas of business, engineering, nursing, and teacher education. Strategic planning exercises begun in the 1980s that will conclude in the 1990s include agriculture and natural resources, libraries, and student affairs. One result of systemwide strategic planning activities has been special biennial budget requests.

In 1986 the Board of Regents also completed its first comprehensive study of the University of Wisconsin System, "Planning the Future." Among the key initiatives that resulted were: enrollment management, "Design for Diversity," and the legislative allocation of 341 positions to improve instruction. The implementation of "Planning the Future" also involved review of the entire academic program array of each institution. Due to this effort, the academic program array in the UW System now contains very little unnecessary program duplication.

During the 1990s, the University of Wisconsin System Board of Regents will base strategic planning decisions on the following principles:

Policy Principles:

°Excellence in educational quality is the chief goal of all University of Wisconsin System institutions.

°The needs of new academic fields must be balanced with the needs of existing academic programs.

°Strategic planning will be used to study educational costs and resources.

°Statewide needs and interinstitutional collaboration must be considered in academic programming.

°Since the most effective planning occurs closest to the source of action, each institution needs to initiate and implement institutional strategic plans taking into account all aspects of the institutional environment—human resources, operating budget, and capital resources—and integrating those factors into budget processes. Institutions should also consider potential interdisciplinary connections between and among academic programs.

Action Guidelines:

During the 1990s, the University of Wisconsin System will act on these guidelines:

1. In implementing "Planning the Future," the academic program array of each institution was carefully adjusted. As a result of that exercise, the institutions and System Administration have regularly scheduled program reviews that System Administration will continue to monitor in its annual report to the Board of Regents on curricular modifications.

2. The academic program needs identified through strategic planning exercises must be seen in the context of 1990s compensation and infrastructure needs and must be integrated with those resource demands.

3. Topics for special investigation will continue to be influenced by the concerns of statewide commissions, national attention, budgetary demands, and faculty or administrative requests. The selection of strategic planning topics must be determined after careful deliberation concerning priorities and with the recognition that engaging in a strategic planning exercise involves a serious commitment of resources.

STRATEGIC PLANNING GUIDELINES FOR TEACHER EDUCATION
IN THE UNIVERSITY OF WISCONSIN SYSTEM

OCTOBER 1990

1. EACH UW SYSTEM SCHOOL, COLLEGE, OR DIVISION OF EDUCATION SHALL DESIGN PROGRAMS TO ENSURE THAT TEACHER EDUCATION CANDIDATES, FACULTY AND PRACTICING TEACHERS UNDERSTAND THE ROLE OF GENDER, TALENT AND GIFTEDNESS, CULTURE, SOCIOECONOMIC STATUS, AND FAMILY STRUCTURE IN PUPILS' ABILITY AND MOTIVATION TO LEARN, AND THAT TEACHERS CAN USE THAT INFORMATION TO ENHANCE PUPILS' LEARNING, DEVELOPMENT AND JOB OR CAREER ASPIRATIONS.
2. EACH UW SYSTEM INSTITUTION SHALL DESIGN PROGRAMS TO ENSURE THAT TEACHER CANDIDATES, PRACTICING TEACHERS, AND FACULTY ARE PREPARED TO ADDRESS THE EDUCATIONAL NEEDS OF THE CULTURALLY AND ETHNICALLY DIVERSE POPULATIONS IN THE SCHOOLS AND TO ENCOURAGE STUDENTS FROM ALL RACIAL OR ETHNIC AND DISADVANTAGED GROUPS TO ENTER THE TEACHING FIELD. EACH SCHOOL, COLLEGE, OR DIVISION OF EDUCATION SHOULD GRADUATE MORE MINORITY STUDENTS, RECRUIT AND RETAIN GREATER NUMBERS OF MINORITY FACULTY, PROVIDE PROGRAMS TO ENHANCE FACULTY AWARENESS OF MULTICULTURAL ISSUES, AND BE RESPONSIVE TO THE PARTICULAR CULTURAL AND ETHNIC POPULATIONS IN THE INSTITUTION'S SERVICE AREA.
3. EACH UW SYSTEM SCHOOL, COLLEGE, OR DIVISION OF EDUCATION SHALL DESIGN PROGRAMS TO ENSURE THAT TEACHER EDUCATION CANDIDATES, PRACTICING TEACHERS, AND FACULTY UNDERSTAND AND CAN ADDRESS THE NEEDS OF THE INCREASING NUMBER OF PUPILS WHO ARE RAISED IN POVERTY OR IN DYSFUNCTIONAL FAMILIES, WHO LIVE IN ISOLATED RURAL AREAS, WHO HAVE HEALTH PROBLEMS, OR ARE IDENTIFIED AS HAVING EXCEPTIONAL EDUCATIONAL NEEDS. IT ALSO SHALL ENSURE THAT TEACHER EDUCATION CANDIDATES, PRACTICING TEACHERS, AND TEACHER EDUCATION FACULTY HAVE DIRECT EXPERIENCE WITH AT-RISK POPULATIONS.
4. THE UW SYSTEM INSTITUTIONS SHALL DESIGN PROGRAMS TO ENSURE THAT TEACHER EDUCATION CANDIDATES, PRACTICING TEACHERS, AND FACULTY UNDERSTAND AND CAN ADDRESS THE NEEDS OF PUPILS IN BOTH URBAN AND RURAL AREAS. THE UW SYSTEM ADMINISTRATION SHOULD SEEK THE RESOURCES TO CREATE AN URBAN TEACHER EDUCATION CENTER TO FOCUS ON THE UNIQUE ISSUES IN URBAN EDUCATION.

The diversity of the school population in Wisconsin is more sharply defined than in many states because of the state's significant urban and rural populations. It has a large urban population in the southeastern corner of the state and a large number of rural communities in the northern half of the state. Thus, Wisconsin needs teachers that are prepared to address the needs of both urban and rural schools and pupils who may need assistance and encouragement as they make choices among university, technical college and work training opportunities after high school.

EXHIBIT C

In order to prepare teachers to work in urban schools with a large multicultural population, a UW System Urban Teacher Education Center will be established. The purpose of this Center will be to offer important educational and research experiences in urban and multicultural education for teacher education candidates, practicing teachers, and university faculty. The outcomes and applications of the research will be evaluated for their usefulness in the schools and widely disseminated. The Center will provide field experiences in urban schools with substantial multicultural populations, and special internships for students and teachers who are especially committed to urban education.

The structure of the Urban Teacher Education Center has yet to be decided; however, it is expected to be located in Milwaukee. These details, along with decisions about how to staff the center, how to select faculty and students for participation, and how to provide transportation and housing for participants, will need to be addressed in an initial planning stage. It is expected that each UW System institution will actively participate in the initial planning for the Center. Programs and research efforts that are already in place at UW-Milwaukee, UW-Madison, UW-Parkside and UW-Whitewater should be carefully considered. The UW System Administration recognizes that establishing a systemwide Urban Teacher Education Center will require substantial new resources. Funds will be requested for this Center in future budget proposals, beginning with the UW System 1991-93 biennial budget request. It is anticipated that corporations and foundations will also wish to support the Center. Implementation of the Center will be in phases with the initial phase focusing on faculty development and research activities and on planning for educational activities for teacher education candidates and practicing teachers.

The decision to develop an Urban Teacher Education Center is not intended to suggest that the problems faced by rural schools and rural pupils are not serious and should not receive attention. On the contrary, UW System institutions must ensure that teacher education candidates, practicing teachers, and faculty understand and can address the needs of the increasingly diverse characteristics of pupils living in rural areas. All UW System schools, colleges, or divisions of education are expected to prepare teachers who can work in rural schools. Those UW System institutions with primarily rural schools in their service area may choose to emphasize rural education, and they are encouraged to do so. However, they also need to recognize that some of their students may accept positions in urban areas and must be prepared to work in urban schools with large multicultural populations. The urban teacher education center will facilitate such preparation.

5. EACH UW SYSTEM INSTITUTION SHALL REVIEW AND, WHERE NECESSARY, REDESIGN ITS GENERAL EDUCATION PROGRAM FOR TEACHER EDUCATION CANDIDATES TO ASSURE THAT THE PROGRAM IS INTEGRATED AND COHERENT. THE PROGRAM SHOULD INCLUDE AN INTERNATIONAL AND MULTICULTURAL PERSPECTIVE. THE FACULTY IN ARTS AND SCIENCES AND THE FACULTY IN TEACHER EDUCATION SHOULD COLLABORATE IN REVIEWING AND MAKING ANY NECESSARY CHANGES IN THE GENERAL EDUCATION PROGRAM.

6. EACH UW SYSTEM INSTITUTION SHALL ENSURE THAT ITS TEACHER EDUCATION CANDIDATES RECEIVE STRONG PREPARATION IN THE ARTS, SOCIAL SCIENCES AND SCIENCES OR THE PARTICULAR DISCIPLINE IN WHICH THE TEACHER EDUCATION CANDIDATE WILL BE TEACHING. THAT COURSEWORK SHOULD BE INTEGRATED WITH COURSEWORK AND EXPERIENCES IN TEACHER EDUCATION. THIS INTEGRATED PROGRAM SHALL BE DEVELOPED AS A RESULT OF COLLABORATIVE PLANNING AMONG THE APPROPRIATE FACULTIES.

Teachers are responsible for making critical decisions about the knowledge and skills that their pupils should acquire. To make such decisions, they must understand the nature and structure of the discipline they teach, the major concepts and ideas within that discipline, and the relationships between that discipline and other disciplines. This understanding requires that teacher education candidates receive in-depth preparation in the arts and sciences or other discipline in which they will be teaching. For teacher candidates in elementary education, who do not usually focus on a particular discipline, that preparation should contain a strong focus on content in the arts, social sciences and sciences beyond that offered in a general education program. Institutions might, for example, wish to create integrated courses to combine math with science or other unified offerings for elementary teachers.

Strengthening the preparation in the arts and sciences or other appropriate discipline should be the responsibility of faculty from all the involved disciplines, including those in arts and sciences; other disciplines, such as art, music, and professional areas; and in education. The appropriate faculties should work together to integrate coursework in the arts and sciences or other disciplines with coursework and field experiences in education. The development of integrated, interdisciplinary courses should be a goal.

7. EACH UW SYSTEM INSTITUTION SHALL DESIGN PROGRAMS TO ENSURE THAT TEACHER CANDIDATES AND PRACTICING TEACHERS ARE PREPARED TO HELP PUPILS EXPLORE AND THINK ABOUT ETHICS AND VALUES AS A MEANS TO DEVELOP A SOUND ETHICAL BASIS FOR MAKING DECISIONS.
8. THE UW SYSTEM INSTITUTIONS SHALL DESIGN PROGRAMS TO ENSURE THAT FUTURE AND PRACTICING TEACHERS UNDERSTAND THE CRITICAL ROLE OF MATHEMATICS AND SCIENCE IN CAREER ACCESS AND PROFESSIONAL DEVELOPMENT. THEY ALSO SHOULD ENSURE THAT TEACHERS OF MATHEMATICS AND SCIENCE AT ALL LEVELS ARE ABLE TO ASSIST THE SCHOOLS TO INCREASE (1) MATHEMATICAL AND SCIENTIFIC LITERACY AMONG ALL LEARNERS, AND (2) SUCCESS IN SCIENCE AND MATHEMATICS FOR MINORITY AND FEMALE STUDENTS. THIS IS ESPECIALLY IMPORTANT FOR PROSPECTIVE ELEMENTARY TEACHERS WHO WILL HAVE TO TEACH MATHEMATICS AND SCIENCE.
9. EACH UW SYSTEM INSTITUTION SHALL DESIGN PROGRAMS TO ENSURE THAT TEACHER EDUCATION CANDIDATES AND PRACTICING TEACHERS UNDERSTAND THE ROLE THAT TECHNOLOGY PLAYS IN SOCIETY AND HOW TECHNOLOGY CAN AID AND ENHANCE LEARNING. THE UW SYSTEM ADMINISTRATION AND THE UW SYSTEM INSTITUTIONS SHALL ENSURE THAT ACADEMIC UNITS POSSESS THE TECHNOLOGICAL EQUIPMENT AND PHYSICAL FACILITIES NEEDED FOR TEACHER CANDIDATES AND PRACTICING TEACHERS TO HAVE OPPORTUNITIES TO USE CURRENT TECHNOLOGIES TO ENHANCE PUPILS' LEARNING.

10. EACH UW SYSTEM COLLEGE, SCHOOL, OR DIVISION OF EDUCATION SHALL EXPAND EXISTING COLLABORATIVE EFFORTS AND SHALL DEVELOP NEW COLLABORATIVE PROGRAMS WITH PREKINDERGARTEN, ELEMENTARY, MIDDLE, AND SECONDARY SCHOOLS. ONE EXAMPLE WOULD BE EXCHANGES INVOLVING K-12 TEACHERS AND ADMINISTRATORS AND UNIVERSITY FACULTY. THE UW SYSTEM INSTITUTIONS SHALL EXPLORE INCENTIVES TO ENCOURAGE TEACHER PARTICIPATION IN COLLABORATIVE PROGRAMS AND SHALL RECOGNIZE THE FACULTY TIME AND EFFORT REQUIRED TO EXPAND COLLABORATIVE EFFORTS. UW SYSTEM ADMINISTRATION SHALL SEEK ADDITIONAL RESOURCES TO SUPPORT GREATER COLLABORATION.

11. EACH UW SYSTEM SCHOOL, COLLEGE, OR DIVISION OF EDUCATION SHALL EXPAND AND IMPROVE ITS POST-BACCALAUREATE EFFORTS TO SERVE THE SCHOOLS WITHIN ITS SERVICE AREA. THESE POST-BACCALAUREATE PROGRAMS SHOULD BE DESIGNED IN COLLABORATION WITH PRACTICING TEACHERS AND, WHENEVER APPROPRIATE, WITH THE UW-EXTENSION. THE SCHOOLS, COLLEGES, OR DIVISIONS OF EDUCATION SHOULD EXPLORE THE POSSIBILITY OF DEVELOPING AN INDUCTION PROGRAM FOR FIRST-YEAR TEACHERS AS PART OF THEIR POST-BACCALAUREATE EFFORTS.

It is clear that implementation of many of these guidelines will require new resources. In recognition of that fact, the UW System Administration will request funds in future budget proposals, beginning with the 1991-93 biennial budget, to support implementation of selected guidelines. In addition, each institution will need to decide which guidelines are most critical for improving its teacher education program, to develop creative methods for implementing those guidelines, and to allocate resources to allow implementation.

The guidelines will only be effective if the institutions take actions to address them. The Vice President for Academic Affairs will request from each vice chancellor by November, 1992, a progress report outlining changes resulting from the guidelines.

10/5/90

III. REPORT OF ACTIONS TAKEN (MEMOS OF AGREEMENT)

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Copyright

A. ~~Memorandum of Agreement has been signed on behalf of the Board of Regents of the University of Wisconsin System, within which is incorporated the University of Wisconsin Press (the Publisher) with Alan Dundes, Editor (the Author) for the publication and other exploitation of the Author's work, tentatively entitled THE BLOOD-LIBEL LEGEND: A Casebook in Anti-Semitic folklore (the Work). The Author hereby grants and assigns to the Publisher exclusively all rights in the Work in all forms and media in all languages throughout the world, including but with limitation all statutory and common-law copyrights therein (and renewals and extensions thereof) and the exclusive right to print, publish, sell, and otherwise exploit the Work and to authorize others to do so.~~

Nonpers Item A

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Copyright

B. ~~Memorandum of Agreement has been signed on behalf of the Board of Regents of the University of Wisconsin System, within which is incorporated the University of Wisconsin Press (the Publisher) with V. Y. Mudimbe (the Author) for the publication and other exploitation of the Author's work tentatively entitled PARABLES AND FABLES: Textuality and Politics in Central Africa (the work). The Author hereby grants and assigns to the Publisher exclusively all rights in the Work in all forms and media in all languages throughout the world, including but with limitation all statutory and common-law copyrights therein (and renewals and extensions thereof) and the exclusive right to print, publish, sell, and otherwise exploit the Work and to authorize others to do so.~~

Nonpers Item B

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Eagle Heights

C. ~~The UW Madison Vice Chancellor Administration has signed on September 20, 1990 an Agreement with the Eagle Heights Assembly for an Outdoor Recreational Facilities Project. The Eagle Heights Assembly and University Housing had been working together for several years in an effort to improve the outdoor recreational facilities associated with the Eagle Heights family housing complex. Lack of funding had been the primary reason the desired improvements had not been made. About a year ago, it was determined that the Eagle Heights Assembly would qualify as a grantee under the Community Development Block Grant program administered by the City of Madison. The Eagle Heights Assembly, with the help of University Housing and the Department of Planning and Construction, was successful in obtaining a grant under this program. The grant provides support for a significant portion of the total project cost of approximately \$25,000 and makes it possible to be able to proceed with the project. The University will contribute a sum of money not to exceed \$8,550 toward the construction of the facilities, with the title to the facilities vested with the University. Maintenance of the facilities will be the responsibility of University Student Family Housing.~~

Nonpers Item C

D. University of Wisconsin Press Agreements:

- | | |
|---------------|---|
| V. Y. Mudimbe | PARABLES AND FABLES: Eyegesis, Textuality, and Politics in Central Africa |
| Alan Dundes | THE BLOOD-LIBEL LEGEND: A Casebook in Anti-Semitic Folklore |

On signature of the Vice President for Physical Planning and Development, the following Lease Agreements have been executed:

Lessee: Rhodes Travel
University: University of Wisconsin - Madison
Lessor: Board of Regents of the University of Wisconsin System
Location: 1314 W. Johnson Street, Room 106 and 106A, Madison
Size: Approximately 914 square feet
Lease term: July 1, 1990 to June 30, 1991
Annual rental: \$11,316.00
Purpose: Rhodes Travel

Lessee: Mohammed Sanjak
University: University of Wisconsin - Madison
Lessor: Board of Regents of the University of Wisconsin System
Location: 1314 W. Johnson Street, Room 101 and Basement Space, Madison
Size: Approximately 925 square feet
Lease term: July 1, 1990 to June 30, 1991
Annual rental: \$11,784.00
Purpose: Campus Grocery and Deli

Lessee: Board of Regents of the University of Wisconsin System
University: University of Wisconsin - Madison
Lessor: The New Wisconsin Radio Reading Service
Location: 905 University Avenue, Room 316 and 318, Madison
Size: Approximately 351 square feet
Lease term: April 1, 1990 to November 30, 1991
Annual rental: \$525.00
Purpose: New Wisconsin Radio Reading Service

Lessee: R & R Farms, Inc.
University: University of Wisconsin - Madison
Lessor: Board of Regents of the University of Wisconsin System
Location: Building No. 1175
Lease term: July 1, 1990 to June 30, 1992
Annual rental: \$176.18
Purpose: Physical Science Laboratory Farm Residence

Lessee: City of Madison
University: University of Wisconsin - Madison
Lessor: State of Wisconsin
Location: 600 University Avenue
Purpose: Use and Operation of a Temporary Parking Lot