Minutes of the regular meeting of the Board of Regents of the University of Wisconsin System: November 9, 1984. 1984

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MINUTES OF THE REGULAR MEETING

of the

BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

Madison, Wisconsin

Held in the Clarke Smith Room, 1820 Van Hise Hall
Friday, November 9, 1984
9:05 a.m.

- President Lawton presiding -

PRESENT: Regents Clusen, Conroy, Finlayson, Fish, Gerrard, Grover, Hanson, Heckrodt, Knowles, Lawton, Nikolay, O'Harrow, Saunders, Schilling and Weinstein

ABSENT: None

Upon motion by Regent Saunders, seconded by Regent Finlayson, the minutes of the regular meeting of the Board of Regents of the University of Wisconsin System, held on October 5, 1984, were approved as mailed to the members of the Board, with the following changes:

Page 16, fourth full paragraph:

Regent Weinstein pointed out, however, that the way the recommendations were written made it appear that traditional career patterns were not relevant.

Page 19, seventh paragraph:

Continuing the report of the Business and Finance Committee, Regent Weinstein stated that the next agenda item concerned proposed amendments to Chapter UWS 8, Wisconsin Administrative Code. Dr. Marvin Ebel, Chairman of the Committee to Review UWS 8 and Associate Dean of the UW-Madison Graduate School, presented the report to the Regents, pointing out that the most significant change from the Committee's last report was addition to the reporting form of the requirement for reporting time spent on outside activities. Two other modifications were: (1) Addition of the word "personnel" to s. UWS 8.025(3)(a), which in effect required institutions to set standards for the use of personnel in outside activities; and (2) deletion of the "whistleblowing" section, since that matter was already fully covered by state statute. Chapters UWS 7 and 14 of the Administrative Code would be repealed under the suggested revisions.

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Report on the October 12, 1984, meeting of the Higher Educational Aids Board

President Lawton noted that a report on this meeting was included with the agenda materials and that Regent members Conroy, Finlayson and Nikolay had been present.

REPORT OF THE PRESIDENT OF THE SYSTEM

Report of Non-Personnel Actions/Informational Items

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

Resolution 3183: That the report of non-personnel actions by administrative officers to the Board of Regents and informational items reported for the record (copy on file with the papers of this meeting) be received for the record; and that actions included in the report be approved, ratified and confirmed.

UW-Extension Integration

Reporting on recent progress toward integration of UW-Extension functions with the campuses of the UW System, President O'Neil noted that integration had already been substantially completed with the non-doctoral institutions but that last spring integration between UW-Extension and UW-Madison was postponed. This week, the UW-Madison Faculty Senate approved the concepts and principles necessary to effect integration, and the UW-Extension Senate was to consider a complementary plan in February 1985. If approved, he expected to receive from Chancellors Boyle and Shain a detailed plan for carrying out integration.

Along parallel lines, he expected that integration also would proceed between UW-Milwaukee and UW-Extension. He would then bring to the Board his final recommendations in time for implementation in the next fiscal year. Expressing satisfaction that the process was now well on track, he observed that the progress made showed a clear commitment by chancellors and faculty leaders to improving the delivery of education and service to all parts of the state.
Calling attention to this recent report, the President remarked that it was replete with valuable recommendations which should be taken seriously by all university administrators and faculty members. He was concerned, however, with the criteria used for judgments about the quality of higher education. Pejorative inferences were drawn, for example, from the growth in numbers of part-time faculty, without acknowledging that most of that growth had been in junior and community colleges. There was lament in the report about the decline in verbal scores on the Graduate Record Exam, without noting that GRE mathematical scores had increased significantly and that GRE verbal scores had been going up since their low point in 1982. There was also criticism about the development of increasingly specialized undergraduate majors and concentrations, with no appreciation for the substantial growth at the same time of area, ethnic and other interdisciplinary studies.

While he was not contends that higher education was above criticism, the President said his concern was that the criteria by which it might best be judged were not necessarily the ones used by the NIE Task Force. He suggested that the UW System take the lead in developing and then applying more sophisticated measures of quality.

In his report as President of United Council, Mr. Scott Dacey spoke first about salary catch-up for faculty and staff (see pp 14-17). Noting that United Council had endorsed the reports on both faculty and academic staff compensation, he said there was recognition that implementing the recommendations of those reports would mean increased tuition. Such increases, however, were viewed as valid student investments in educational quality.

With reference to questions during testimony the preceding day as to the meaning of the word "equitable," Mr. Dacey recalled that he too had asked for equity in the Board's recommendation but had not defined the term. Noting that the Webster's Dictionary definition was "giving each man his due," he said peer studies showed that UW System universities lagged far behind comparable institutions in pay for all faculty and staff. To give each his or her due, he suggested, meant that a way should be found to compensate all parties, without leaving out certain segments.

Relating the opinions of several campus student leaders, Mr. Dacey said that the student government president at UW-Parkside felt that President O'Neill's recommendation did not provide enough money for UW-Parkside faculty and that there should be a minimum increase of $3,000 per faculty member. The UW-La Crosse Student Association president was dissatisfied with the proposed inter-cluster allocation on the basis that each faculty and staff member should receive the same percentage increase, regardless of institutional cluster classification. Similarly, the president of UW-Green Bay's Student Association felt it was important to provide adequate catch-up funds for all faculty and staff.
Because of such concerns, Mr. Dacey stated, United Council could not support the President's recommendation. Instead, he felt the following suggestions might be considered: First, that the Board "shoot for the moon" by asking for the extra money needed to compensate all staff, at an estimated cost of an additional $10 million, of which $7.35 million would be GPR, with students paying the balance; and second, that one percent of the UW-Madison faculty allocation be shifted to the University Cluster in order to approach the figure of $3,000 per faculty member and to reduce the dollar differential between the University Cluster and Doctorial Cluster. He asked that these proposals receive more consideration than he felt was given to recommendations made the previous day by former Regent Mary Williams.

Turning to the operating budget, Mr. Dacey expressed support for the $5.6 million request for minority and disadvantaged student services, which was consistent with United Council's primary goal of ensuring accessibility to as many students as possible. With respect to the Council's commitment in that regard, he presented copies of a newly published multi-cultural resource directory, entitled "The Rainbow Connection," which contained information on minority programs, services and student organizations for each of the University System's four-year institutions. He also acknowledged the work done by Sherri Prude, United Council's minority affairs director, in producing that document.

In conclusion, Mr. Dacey reported that in recent referenda UW-Stevens Point and UW-Madison students had voted to maintain membership in United Council, while UW-Parkside students had voted to join the organization.

Regent Gerrard asked how many students in the System United Council represented and how many of those were active members.

Mr. Dacey replied that the group represented about 145,000 students and that 70-100 regularly attended meetings.

In response to a further question by Regent Gerrard, Mr. Dacey explained that campus student body presidents had advised United Council that students were willing to pay more tuition for salary increases.

Regent Gerrard inquired as to the percentage of increase United Council considered acceptable, and Mr. Dacey said he thought an increase of more than 16-17 percent would be viewed as too great.

Regent Gerrard wondered how many students would actually support a 17 percent raise in tuition.

In response, Mr. Dacey indicated that United Council's position was based on endorsement of the faculty and academic staff compensation catch-up reports by elected student representatives at institutions around the System. Both of those reports, he added, included the concept that students would pay their fair share.
Regent Knowles said his understanding was that United Council recognized that the dollar amounts for education would increase under these proposals, and that the Council felt students were willing to share in paying for that increase at the current percentage of cost covered by tuition, but that they would resist increasing that percentage.

Confirming the correctness of that understanding, Mr. Dacey said they felt the current percentage charged to students was equitable.

With reference to Mr. Dacey's comments about the testimony of Regent Emeritus Williams, Regent Weinstein pointed out that she had recommended reducing catch-up funds for faculty at UW-Madison and the UW Centers by two percent and then increasing funds for the University Cluster by one percent. He asked if United Council endorsed that position.

Responding in the negative, Mr. Dacey said he meant only that he felt greater weight should have been given to her proposal.

Regent Weinstein asked if giving her statement more weight would not mean adoption of her position.

Mr. Dacey did not believe that was necessarily the case. In response to a further question by Regent Weinstein, Mr. Dacey explained that he thought there should have been more discussion of her recommendations. His own proposal, however, differed from hers and was as set forth in his earlier presentation to the Board.

President Lawton stated the Board's appreciation for United Council's consideration of the compensation issue and expressed the hope that their interest would be made known in the legislative arena where the actual decisions would be made. With respect to Mr. Dacey's suggestion, however, that the Board's request should "shoot for the moon," Regent Lawton observed that "sometimes you wind up with green cheese, not dollar bills."

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REPORT OF THE EDUCATION COMMITTEE

Chairman Schilling presented the Committee's report.

Presentation on UW-River Falls Agricultural Programs

The Committee viewed a videotape, originally produced by television station WGN in Chicago as a four-part editorial on undergraduate agricultural education, which used UW-River Falls as a model of such agricultural programs. Chancellor Field noted that the narrator of the series, Warren Samuelson, was a highly respected farm reporter and that the series had been shown all over the Midwest.

The program included interviews with Dean Gary Rohde, faculty from several of the agricultural programs, and Vice Chancellor Richard Delorit. When the tape was concluded, Chancellor Field observed that two of the faculty interviewed had been women—something which would not have been
possible in this field five years ago. Regent President Lawton commended Chancellor Field and his faculty for their fine program, and the Chancellor noted that the tape would be sent to some 70 Wisconsin high schools which had vocational programs in agriculture.

Joint Administrative Committee on Continuing Education Biennial Report

Noting that the UW and VTAE Systems coordinated activities through three joint committees, Regent Schilling summarized a report from Chancellor Patrick Boyle, of UW-Extension, and Frederick Nierode, Director of the Lakeshore VTAE District, who co-chaired one of these committees—the Joint Administrative Committee on Continuing Education (JACCE).

Established in 1972 to provide a forum for communication on continuing education programs as pertinent to the mission of each System, JACCE stressed communication, coordination, and cooperation. Chancellor Boyle reviewed the Committee's structure, which consisted of the statewide JACCE committee, regional JACCE councils, local planning committees set up by the regional councils, and ad hoc discipline articulation committees, appointed as needed to create guidelines on procedures to avoid conflict and to enhance communication in disciplinary areas.

Mr. Nierode cited the agricultural outreach programs of each System as an example of the kind of cooperation fostered through JACCE. The VTAE programs were directed primarily toward farmers beginning their careers, while the UW-Extension programs focused on established farmers. Cooperative efforts were also taking place in the areas of small business development counseling, home economics, family living, and municipal services. Recent joint activities included a technology transfer program, this year's conference on strategic planning in a changing economy, and an upcoming conference on economic development in Wisconsin. Mr. Nierode thanked Assistant Vice President Al Beaver for his year-long work on improving the formal communication model which was in effect between the VTAE and UW Systems.

In discussion at the Committee meeting, Regents inquired why the public perception remained that there was too much duplication between the VTAE and UW Systems. Chancellor Boyle observed that often duplication which appeared to exist was not, in reality, actual duplication. He recognized that JACCE had a mission to improve its communication with legislators and the public about joint efforts to guard against duplication, and he suggested that the regional councils could serve that purpose well. Mr. Nierode offered an example of how disputes were resolved through the JACCE's formal communication model and stressed that potential problems were addressed first at the local level. While JACCE's primary work was in resolving disputes, Chancellor Boyle added it also had a pro-active role through the regional councils.
Executive Vice President Katharine Lyall introduced the report to the Committee by recalling that Regents had made inquiries about the status of the humanities when new professional and technical degree programs were brought to the Board for approval. Calling attention in particular to System trends of declining numbers of humanities majors concurrent with rising student credit-hour workload of humanities faculty, she invited Associate Vice President Vernon Lattin, who oversaw preparation of the report, to add his observations.

Dr. Lattin pointed out that, given the breadth and tradition of the humanities, shifts in emphasis within these fields were to be expected. As an example, he cited the 1984 American Council of Learned Societies conference, in which the computer was the topic of discussion—not merely its applications, but the effects it had on human beings.

Noting with concern the trend documented in the report of the shift in majors away from humanities programs to professional programs, he pointed out that the National Institute on Education panel, whose report on the state of postsecondary education was just released, cited as a warning signal the trend of majors away from traditional arts and science fields, including a 17 percent drop in humanities majors across the country in the past decade. Concerns in the UW System paralleled these national concerns. He highlighted three of the many contemplated System activities in this area: (1) an action-oriented conference on humanities education in Wisconsin, being planned for the end of May 1985, at the Wingspread Center; (2) establishment of three fellowships in humanities research at the UW-Madison Institute for Research on the Humanities and UW-Milwaukee's Center for Twentieth Century Studies, to be awarded to faculty outside the Doctoral Cluster; and (3) an invitation to System institutions to submit proposals for a demonstration project linking an established professional program with a humanities concentration. Senior Academic Planner Karen Merritt, who staffed the report, added that though the statistical portion painted a bleak picture, it was characteristic of humanities faculty in the UW System to nevertheless continue to develop the kind of vigorous programming described in the report.

Committee members expressed their interest in the proposed demonstration project and recalled that many chief executives of corporations had stated a preference that students be liberally educated by universities, then trained for specific jobs by the corporations. It was pointed out by Chancellor Guskin that although this view had been expressed by many chief executives, personnel offices seemed to continue hiring graduates with job-oriented degrees. Observing that returning adults frequently were seeking the liberal education courses they missed in their earlier college careers, Dr. Lyall expressed the dual concerns that younger faculty in the humanities might seldom have an opportunity to teach courses above the introductory level and that the current depletion of graduates in the humanities could lead to faculty staffing problems in the future. The discussion concluded with reiteration of the need to be mindful of how reallocation to support new degree programs affected the liberal arts core curriculum.
In discussion at the Board meeting, Regent O'Harrow referred to the statement that businesses tended to hire graduates with increasingly specialized training, even though top executives extolled the virtues of training in the humanities. He asked if there were statistics on what businesses actually were doing in that regard.

Although a formal survey had not been done, Executive Vice President Lyall replied, reactions from placement officers and students suggested overwhelmingly that the demand was for students with specific kinds of occupational training. She added that at the Committee meeting the point had been made that perhaps some of the slippage was between what chief executive officers saw as a broad view of their needs and what placement officers considered when actually filling specific jobs. It was less difficult, she noted, to identify people with particular kinds of technical training than to assess the broader skills that would come from a liberal arts education.

Since placement officers had to be sensitive to the views of their superiors, Regent O'Harrow wondered why the message from top executives was not being carried out in the hiring process.

Dr. Lyall expressed the hope that there would be communication on that point at the planned Wingspread Conference which would involve corporate leaders, along with other interested academic and business professionals.

Regent Veneman explained that chief executive officers were involved in hiring only those in the company's top hierarchy, while others were hired by personnel staff, who received their directives from operating officers. While he regarded education in the humanities as admirable, he thought training in specific disciplines was what businesses were actually seeking.

Regent Saunders added that the company in which he served as an operating officer had experienced little growth in the last five years, and that their hiring had been limited since 1979 to persons with engineering backgrounds.

Indicating that there also was a finer point to the discussion, Regent Schilling said what was of particular concern was that industry seemed to be showing through hiring practices that they wanted not only persons with degrees in specified technical fields, but also persons with concentrated courses in that field. Noting that such preferences tended to dissuade students from taking humanities courses, he commented that, while a company that needed an engineer would certainly hire a graduate in that field, the question was whether the company should look for an engineer who had taken only engineering courses or one who had a liberal arts education as well.

While his preference would be for the latter, Regent Saunders pointed out that it was extremely difficult to include many liberal arts courses in a four-year program.

Noting that this sort of problem could be discussed at the Wingspread Conference, Regent Schilling suggested that perhaps a core of liberal arts studies could be made a degree requirement in such fields as engineering and that industry then would need to be more willing to hire personnel with the understanding that they might need further training in specialized areas.
Regent Saunders added that the possibility of expanding the curriculum from four to five years in order to include more humanities courses might also be considered.

Authorization to Recruit, Dean, UW-Madison School of Family Resources and Consumer Sciences, R 3184, 10.9

Resolution 3184 was unanimously adopted by the Board, upon motion by Regent Schilling, seconded by Regent Finlayson.

Resolution 3184: That, upon the recommendation of the President of the University of Wisconsin System and the Chancellor of the University of Wisconsin-Madison, the Chancellor of the University of Wisconsin-Madison be authorized to recruit for a Dean, School of Family Resources and Consumer Sciences.

Authorization to Recruit, Professor of Physical Sciences/Engineering/Nuclear Engineering, UW-Madison

Regent Schilling moved adoption of the following resolution. The motion was seconded by Regent Weinstein and voted unanimously.

Resolution 3185: That, upon the recommendation of the President of the University of Wisconsin System and the Chancellor of the University of Wisconsin-Madison, the Chancellor of the University of Wisconsin-Madison be authorized to recruit for a Professor, Physical Sciences/Engineering/Nuclear Engineering.

REPORT OF THE BUSINESS AND FINANCE COMMITTEE

Regent Weinstein presented the report of the Committee.

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

Reviewing with the Committee the monthly list of gifts, grants and U.S. government contracts, Vice President Floyd Case reported that federal awards increased by $15.9 million in the past month—a $2.2 million increase over the same period for the previous year. In year-to-date comparisons, the largest increases occurred in instructional and research activities—$3 million and $4.2 million respectively. Individual awards ranged from million dollar amounts ($1.7 million from the Department of Energy; $1.5 million from the Department of Agriculture; and $1.6 from the Department of Commerce) to a $2,500 award from NASA. With respect to summary totals comparing both federal and non-federal support, Mr. Case advised that, with respect to the $13 million reduction from the previous
year, it should be noted that in November 1983 the Board accepted a $20 million four-year award from the Midwest Universities Consortium for International Activities (MUCIA). Chancellor Shain explained that seven of the Big Ten universities made up the consortium which had as its purpose the provision of technical assistance, and UW-Madison was providing such services to Indonesia.

Recalling that the previous month the Committee's attention was called to the loss of a grant because a UW-Milwaukee faculty member left for a higher-salaried position at another university, Regent Weinstein reported that this month the Committee was advised that an associate professor at the Center for Health Sciences and an assistant scientist at the Waisman Center were both leaving UW-Madison—and taking grants with them—for substantial salary increases from other institutions. These were examples, he pointed out, of the highly competitive environment within which the university must attempt to hold faculty and staff.

It was moved by Regent Weinstein, seconded by Regent Fish and unanimously voted that the following resolution be adopted:

Resolution 3186: That, upon recommendation of the President of the University of Wisconsin System, the gifts, grants and contracts presented at this meeting (copy on file with the papers of this meeting) be accepted, approved, ratified and confirmed; and that, where signature authority has not been previously delegated, appropriate officers be authorized to sign agreements.

Report of the Vice President

In his report to the Committee, Vice President Case advised that the university expected to generate about $1.8 million of additional tuition and fees from enrollments in excess of budget projections. A request for the release of these revenues was to be submitted in the near future to the Department of Administration and the Joint Committee on Finance.

Regent Weinstein then reported on consideration by the Business and Finance Committee, with all Regents invited to participate, of the 1985-87 Biennial Budget Request. Included were 1985-87 compensation adjustments for faculty and academic staff; 1985-87 adjustments for instruction and other university programs, including faculty and academic staff salary catch-up; and recommendations on various changes in policy, practice and state law related to compensation matters. (An account of the lengthy presentations and discussions on these matters is found in the minutes of the Business and Finance Committee.)
At the Committee meeting, President O'Neil made preliminary comments in presenting the 1985-87 compensation adjustments for faculty and academic staff. He then introduced the Co-Chairs of the Biennial Working Group on Faculty and Academic Staff Compensation, UW-Madison Professor James Hickman and UW-Eau Claire Assistant Chancellor Charles Bauer, along with Subcommittee Chair Richard Vilstrup, who presented background information in support of the pay-plan request. Following discussion by the Regents, Resolution 3187 was approved, with Regent Gerrard dissenting.

Adoption by the Board of the following resolution was moved by Regent Weinstein and seconded by Regent Hanson:

Resolution 3187: That, upon recommendation of the President of the University of Wisconsin System, the Board of Regents endorses the report of the 1985-87 Biennial Working Group on Faculty and Academic Staff Compensation and approves the following recommendations:

The Board of Regents appoint a UW System Negotiation Team to present the 1985-87 compensation proposals to the appropriate representatives of State government and to enter into such negotiations as necessary.

The team shall include eight members, three Regents, the President, the Executive Vice President, the Associate Vice President for University Personnel Relations and the Co-Chairs of the System Working Group on Faculty and Academic Staff Compensation for 1985-87.

The Negotiation Team should seek to gain a 1985-87 compensation plan which would include the following recommendations of the Working Group on Faculty and Academic Staff Compensation for 1985-87:

1. An 8.5% increase in the first year of the 1985-87 biennium.

2. A 9.5% increase in the second year of the 1985-87 biennium.

3. The Board of Regents be authorized to allocate the funds appropriated for salary increases.

Note: The biennial cost of the above proposal is estimated as follows:

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<td>Academic Fees/Tuition</td>
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<td>Other Program Revenue</td>
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<td><strong>TOTAL INCREASE</strong></td>
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The report is attached as EXHIBIT A.

In discussion at the Board meeting, Regent Gerrard commented on his opposition to the resolution, stating that it was totally unrealistic to expect the Legislature to approve such large pay increases and that Regents should be aware that the university would do well to receive half that much. "Why then," he asked, "put out a message to the citizens of Wisconsin that the Board of Regents wants to raise pay in the System by 8.5 percent and 9.5 percent, when they cannot?" Instead, he suggested taking part of the amount recommended for pay-plan increases and adding it to the catch-up request, so that there would be some money in that proposal for everyone.

Noting that one of the System's longstanding problems was the practice by the executive and legislative branches of treating faculty exactly as other state employees when considering pay increases, Regent Knowles observed that the Governor's Faculty Compensation Study Committee broke new ground by displaying the fact that faculty were different from other employees and by establishing peer groups which compared faculty with their counterparts in other states. He felt it was necessary to continue emphasizing that differentiation, and therefore he had no hesitation in asking for an increase that might not apply to other state employees. "I am optimistic; I think there is a good chance; and therefore I sincerely hope that this modest increase in pay is supported."

Regent Weinstein pointed out that Resolution 3187 contemplated establishment of a negotiating team to work with state government representatives. Secondly, he disagreed with the contention that the Regents should know that the request would be cut in half. Stating that he knew no such thing, he said, "I am here to tell you that 8.5 and 9.5 is not enough, because what is missing is the understanding that the reason we got into catch-up trouble is because we did not keep up. And if we don't keep up, we are going to be back in catch-up again in another two years." It would be essential, he emphasized, to make it clear that the 8.5 percent and 9.5 percent were not simply tied to inflation. They included inflation, plus an increment for merit or keep-up, which was needed to avoid losing faculty and staff. He also did not agree with the suggestion that part of the pay-plan money should be traded for more catch-up funding, because to do so would put the university in the position of bidding against itself.

Expressing agreement with Regent Weinstein, Regent Fish said he did not know whether the request for increases of 8.5 percent and 9.5 percent would be approved by the Legislature, nor did he think legislators themselves knew at this time what their decision would be. Those proposed increases included all segments of the faculty and academic staff, he pointed out, adding that he did not see why the Legislature would be more inclined to provide catch-up money than pay-plan money. The reason he would prefer to have the funding in the pay plan, he stated, was "that it gives us a salary request position that we assume will be somewhat ahead of the salary request position of other state employees, to emphasize the importance of the faculty and the importance of academic staff in the University System. So I intend to support the 8.5/9.5 proposal."

Regent Gerrard said his position was that the proposed request would be unrealistically high—not that faculty and academic staff should be put in a category with all other state employees.
Put to the vote, Resolution 3187 was adopted, with Regent Gerrard voting "No."

Regent President Lawton indicated he would appoint the negotiating team as promptly as possible.

President O'Neil added that the Governor's office probably would be concerned first with other parts of the operating budget and that the Secretary of Employment Relations would advise as to when he wished to start negotiations.

Continuing the report of the Business and Finance Committee, Regent Weinstein stated that the second resolution presented in Committee covered the entire general operating budget. Regent President Lawton and Vice President Knowles commented regarding the involvement of Board members in preparation of and support for this budget request. Following their remarks, the following resolution was presented:

Resolution:  That, upon recommendation of the President of the University of Wisconsin System:

the operating budget request increases outlined in I.2.f.(2), be approved for submission to the Governor, Department of Administration and the Legislature:

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and the proposed budget increases needed to adjust the salaries of faculty and academic staff to competitive levels under current market conditions, as outlined in I.2.f.(2), be approved for submission to the Governor, Department of Administration, and the Legislature:

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<td>Other Program Revenue</td>
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<td><strong>TOTAL INCREASE</strong></td>
<td><strong>$42,926,000</strong></td>
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Compensation Catch-up Proposal

At the Committee meeting, President O'Neil stated that his recommendation on catch-up funding did more than had been hoped earlier in that it would complete the faculty catch-up process within the biennium and provide a significant step within the first year. He noted, however, that the proposal did not do everything that might have been wished. While academic staff were included in the recommendation, there was not enough money available to cover all staff at this time, and as a result, preference was given to those whose qualifications and roles were most central to the teaching, research and service missions of the university.

The Regents then heard statements by 40 faculty and academic staff members from across the System. Written statements also were submitted and were placed on file.

Following those presentations, the resolution was split into two separate parts: (a) a resolution on the salary catch-up portion of the biennial budget proposal; and (b) a resolution on the remaining portion of the proposed 1985-87 budget.

The resolution on the salary catch-up was moved and discussed in Committee. In response to a question by Regent Clusen, President O'Neil indicated that the proposed allocation of salary catch-up funding would not necessarily bind the Regents to that distribution. The Chairman ruled that the narrative accompanying the resolution was to be considered part and parcel of the resolution.

The question was called, and Resolution 3188 was passed in Committee on a roll-call vote of 11 "Ayes" and 4 "Nos."

Adoption by the Board of Resolution 3188 was moved by Regent Weinstein and seconded by Regent Veneman.

Resolution 3188: That, upon recommendation of the President of the University of Wisconsin System, the proposed budget increases needed to adjust the salaries of faculty and academic staff to competitive levels under current market conditions, as outlined in I.2.f.(2) (EXHIBIT B), be approved for submission to the Governor, Department of Administration, and the Legislature:

- GPR: $26,000,000
- Academic Fees/Tuition: $9,422,600
- Sub-total GPR/Fees: $35,422,600
- Other Program Revenue: $7,503,400
- TOTAL INCREASE: $42,926,000
In discussion at the Board meeting, Regent Conroy moved that the resolution be amended to provide that any catch-up funds granted to classified staff be extended to those academic staff not included in the UW System request. The motion was seconded by Regent Grover.

Regent Conroy explained that if the System's classified staff were granted some catch-up funds and if part of the academic staff received catch-up money through the System's request, there would still be an island of academic staff who would be completely left out. Therefore, she thought the Board should recommend that if catch-up were provided for classified staff in the University System, that average amount should be extended to the academic staff not included in the System's proposal.

Regent Lawton noted he had not heard of a catch-up proposal being considered for classified staff.

Since all portions of the academic staff were included in the pay-plan request for increases of 8.5 percent and 9.5 percent, Regent Fish observed that the proposed amendment assumed that the pay plan for classified staff would go beyond those figures.

Regent Conroy said she made no assumptions in proposing the amendment, but simply wished to guard against being responsible for a group of state employees who were left out of everything.

It was noted by President O'Neil that compensation adjustments for classified staff were not part of the System's recommendations, and Associate Vice President Lemon added that pay plans for classified state employees and unclassified university staff went through substantially the same process but were separately identified. He was not aware of any catch-up proposal for classified employees.

Regent Weinstein said he had planned to propose a resolution that would ask President O'Neil to discuss the whole issue with the Governor and the Legislature, to see if more GPR funds could be made available for academic staff not covered under this proposal. However, he wished to offer such a motion separate and away from the pending resolution in order not to taint the System's catch-up request. While he was sympathetic with Regent Conroy's idea, he did not think the university should become involved with the state's treatment of classified staff, and he felt it was implicit in the proposed amendment that a catch-up for classified staff should be considered. Therefore, he stated that he would vote against the amendment.

Regent Fish thought that, if catch-up funding for classified staff were considered, it would still come out of state employee wage negotiations as a flat salary increase, rather than in two packages as was proposed for the university.

Regent Mikolay said he found it difficult to understand why academic staff not included in the catch-up proposal should be considered any less deserving than those who were covered.

It was explained by President O'Neil that classified represented and classified non-represented employees were the subject of two separate recommendations from the Secretary of Employment Relations to the Joint
Committee on Employment Relations. The university was not a part of that process except for having representation, along with other state agencies, in the negotiating sessions. That track was separate from the recommendations which the Regents made to the Secretary for faculty and academic staff. With respect to catch-up, he said only those persons with less than 50 percent appointments would be categorically excluded under his recommendation, although it was recognized that the money in the pool was not likely to cover all other persons if priority were given, as he had proposed, to those groups of academic staff who were most like faculty and closest to the teaching and research missions.

While he respected the purpose of Regent Conroy's suggested amendment, Regent Schilling felt it would cloud the issue in a dangerous way. Since the Board was not involved in requesting catch-up for classified employees, he did not think the Regents should make a recommendation about disposition of something they had not requested. More importantly, he thought the only reason catch-up would be granted was if faculty were made a special case, to be treated differently from others. Addition of instruction-related academic staff had already watered down that effort, he indicated, adding that it probably would have been better to defer catch-up for academic staff to another time, since it was not possible in this request to do enough for them. He emphasized that the foremost priority had to be catch-up for faculty and that the case must be made that special treatment was needed for that special problem.

Regent Knowles remarked that he knew of no study indicating classified staff were out of step with their peer groups in other states. On the contrary, it was his understanding that Wisconsin paid its classified staff somewhat better than most other states and had fewer employees. In contrast, the request for faculty and academic staff catch-up came about through comparison with peer groups in other states. If classified staff were to get an increase, he thought it would be as part of a pay plan, rather than being separately identified as catch-up. Since it was his position that faculty and academic staff should be considered different from other state employees because they were in a different competitive pool, he stated that he could not support the amendment.

Regent Clusen said that, although she applauded the motivation behind the proposed amendment, she thought the best advice that could be given to academic staff who wanted the benefits of classified employees in bargaining units would be to seriously consider collective bargaining.

The question was put on the proposed amendment, and it was defeated on a voice vote, with Regents Conroy and Nikolay asking to be recorded as voting in favor of the amendment.

Regent Conroy added that she agreed with the comment made by Regent Clusen but that she felt the moral obligation to make an effort on behalf of academic staff who were not included in the request.

Indicating that all Regents shared that feeling of obligation, Regent President Lawton said the resolution to be introduced later by Regent Weinstein would attempt to convey that concern. (See Resolution 3191, pp 18-19.)
The question then was put on Resolution 3188 which was adopted on a roll call vote, with Regents Finlayson, Fish, Hanson, Heckrodt, Knowles, Lawton, O'Harrow, Saunders, Schilling, Veneman and Weinstein voting "Aye" (11), and Regents Clusen, Conroy, Gerrard, Grover and Nikolay voting "No" (5).

1985-87 Adjustments for Instruction and other University Programs

Regent Weinstein reported that the remainder of the operating budget request was introduced at the Committee meeting by President O'Neil, after which presentations were made by chancellors on various aspects of the budget.

Upon motion by Regent Weinstein, seconded by Regent Finlayson, the following resolution was adopted unanimously by the Board:

Resolution 3189: That, upon recommendation of the President of the University of Wisconsin System, the operating budget request increases outlined in I.2.f.(2), be approved for submission to the Governor, Department of Administration and the Legislature:

- GPR $41,873,800
- Academic Fees/Tuition 13,813,900
- Sub-Total GPR/Fees $55,687,700
- Other Program Revenue 81,387,400
- TOTAL INCREASE $137,075,100

(The operating budget request is on file with the papers of this meeting.)

Compensation Process Changes

It was moved by Regent Weinstein, seconded by Regent Veneman, and unanimously voted that Resolution 3190 be adopted by the Board.

Resolution 3190: That, upon recommendation of the President of the University of Wisconsin System, the changes in policy, practice and statute necessary to implement the recommendations of the Faculty Compensation Study Committee and to support the proportionate adjustments for cooperative extension and research faculty and staff, as outlined in I.2.f.(3), be approved.

(The compensation process changes are on file with the papers of this meeting.)
Commendation for 1985-87 Budget Development; Request for Additional Catch-up Funds for Academic Staff

Regent Weinstein presented Resolution 3191 and moved its adoption by the Board. The motion was seconded by Regent Hanson.

Resolution 3191: That the Board of Regents commends President O’Neil and the Vice Presidents for the monumental task performed in developing the 1985-87 budget, given the assumption of funds available. We believe the budget relative to pay plan and "catch-up" is essential if we are to maintain the quality of the System.

We urge President O’Neil to make known to the Executive and Legislative branches of government that additional GPR funds are required in order to cover academic staff in a more complete manner relative to "catch-up."

Regent Schilling expressed the same reservation about this resolution as he had indicated with respect to Regent Conroy’s proposed amendment. It was his concern that the second paragraph of Resolution 3191 would muddy the waters and give a mixed signal to the Legislature. Noting that the Board was first asking for special treatment for faculty and then had applied that same reasoning to those academic staff most closely related to instruction, he asked if this resolution would not take away from the special case the Board sought to make.

Regent Weinstein replied that he deliberately did not include this language in the resolution dealing specifically with the budget. "But I think it would be blind, and we would send a signal that no one would understand," he stated, "if we simply said that we sat here yesterday for seven hours and listened to people tell us they were upset by being excluded from the catch-up, and to say to them that we don’t even recognize that as a problem." What the resolution said, he emphasized, was that the Board supported the budget which was adopted, and that budget was essential. At the same time, the resolution stated the Regents’ concern about those who could not be covered because the assumption of funds available was not adequate to include them. Therefore, there was need to negotiate for additional money to cover more of the academic staff.

Regent Schilling stated that he fully intended "to take what opportunities I have to make legislators and others know that we bit the bullet and were not happy about it, because we would have wanted more money for academic staff." His question, however, was whether that view should be set forth in a formal resolution and whether to do so would cloud the issue, rather than being helpful.

Regent Saunders felt there was so much concern about the matter that the resolution should be supported, even if it might tend to muddy the waters.

Regent Conroy expressed agreement with Regent Saunders.
It was noted by Regent Heckrodt that academic staff would certainly continue to advocate their views. "This shows support for their position. I think it will indicate the Regents' cooperation and also will help them in their endeavor."

Regent Veneman agreed that the Board should support this resolution. "I feel that it may fall on empty hands, but at least it expresses the feeling that all of us have, not only based on what was presented to us yesterday, but just on fair play."

Regent Finlayson concurred, stating that she also would support the resolution.

While words might not make academic staff feel a great deal happier, Regent Clusen added, at least the resolution would send a specific message of support.

Put to the vote, Resolution 3191 was unanimously adopted.

Regent President Lawton expressed appreciation to all the Regents for their hard work in the budget, and especially to Regent Vice President Knowles and Regent Weinstein whose efforts were particularly essential to the process, as well as to President O'Neil, Associate Vice President Arnn and other System personnel who had labored long and hard on preparing the budget request.

Regent Hanson thanked President Lawton and the administration for keeping all Regents so well informed during the budget development process.

REPORT OF THE PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Chairman Heckrodt presented the Committee's report.

The first item considered by the Committee was the concept and budget report for a program revenue-funded $2,100,000 UW-Milwaukee Student Center Plaza enclosure, along with authority to complete plans and specifications. The project would add approximately 27,000 gross square feet of enclosed space to the original Student Center building constructed in 1972, and it would resolve dangerous structural/safety problems which had been caused by insufficient or deteriorated drainage systems along the north and east face of the Center. The Committee discussed this request with Chancellor Horton and System Administration staff, who indicated that the project would be brought back to the Regents for authorization to bid and construct.

Resolution 3192 was unanimously adopted by the Board, upon motion by Regent Heckrodt, seconded by Regent Nikolay.
Resolution 3192: That, upon the recommendation of the UW-Milwaukee Chancellor and the President of the University of Wisconsin System, the concept and budget report for the Program Revenue-funded $2,100,000 1985-87 Student Center Plaza Enclosure Project be approved and authority granted to complete the final plans and specifications, at a cost of $84,000.

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

Regent Heckrodt reported that the Committee then reviewed a concept and budget report for the water treatment system at the UW-Madison Charter Street Heating Plant. This project would replace the original 30-year-old south portion of the make-up water treatment system with a new, larger-capacity system, and it included construction of space to house the larger unit. Contributing to the cost increase were inaccurate original cost estimates, as well as installation of cross connections between the north end and south end units to provide greater reliability than currently existed, demolition of the south end tank and system components, and addition of a new blowdown heat exchanger for energy conservation purposes.

The Division of State Facilities Management had recommended combining this project with the 1975-77 Charter Street Heating Plant modifications project and using residual bonding authority from that project to cover the increased cost of $465,000.

Adoption by the Board of the following resolution was moved by Regent Heckrodt, seconded by Regent O’Harrow, and voted unanimously:

Resolution 3193: That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, the concept and budget report for the 1983-85 Charter Street Heating Plant Water Treatment System Project be approved, authority granted to plan, bid and construct at a revised total cost of $825,000 ($360,000 - 1983-85 General Obligation Bonding; $465,000 - 1975-77 Charter Street Heating Plant Modifications Project General Fund Supported Residual Bonding Authority) and authority granted to combine the two projects, for a total cost of $5,059,000 for the 1975-77 Charter Street Heating Plant Modifications Project.

Approval of Land Sale, UW-Oshkosh

The next item considered by the Committee was a request for approval to sell the UW-Oshkosh Buckstaff property for $55,000, subject to the purchaser being able to secure financing.

It was moved by Regent Heckrodt, seconded by Regent O’Harrow and unanimously carried that the following resolution be adopted:
Resolution 3194: That, upon the recommendation of the UW-Oshkosh Chancellor and the President of the University of Wisconsin System, authority be granted to sell for $55,000 a 1.27 acre parcel of excess property, previously gifted to UW-Oshkosh, with the sale subject to the purchaser securing financing:

Lots Twelve (12), Thirteen (13), Fourteen (14), and Fifteen (15), Block Five (5), first addition to plat of interurban land co., in the Fifteenth (15) Ward, City of Oshkosh, and that part of Section Twelve (12) in Township 18 North, Range 16 East, described as North One Hundred Fifty (150) feet of East One Hundred Seventy (170) feet, lying south of Allen Avenue and west of North Main Street, City of Oshkosh, Winnebago County, Wisconsin.

Approval of Building Site, Roadway Construction, and Access to Campus Drive for The University Village Housing, Inc., UW-Green Bay

Regent Heckrodt reported that the Committee reviewed a request of authority for the officers of the Board to execute agreements required to allow private development of four additional student housing units adjacent to the UW-Green Bay campus and also a request for the UW Foundation to transfer land to the non-profit corporation which would undertake this effort. Resolution 3195 was approved by the Committee, with Regent Gerrard dissenting.

Upon motion by Regent Heckrodt, seconded by Regent Clusen, the following resolution was adopted by the Board, with Regent Gerrard voting "No."

Resolution 3195: That, upon the recommendation of the UW-Green Bay Chancellor and the President of the University of Wisconsin System, the President or Vice President and Secretary or Assistant Secretary of the Board of Regents be authorized to execute the agreements necessary to accomplish the following:

(1) To grant permission to The University Village Housing, Inc., to construct, at its expense, 325 lineal feet of roadway from the University Village Apartments parking lot to the UW Foundation property and 100 feet of roadway to connect to the University's Circle Drive;
(2) To permit some of the housing units to be located within 10 feet of the UW-Green Bay property line;

(the exact locations of the roadway extension and housing are identified on the map on file with the official Regent records)

Further, the UW Foundation is requested to transfer necessary land to The University Village Housing, Inc. for the purpose of private development of housing for UW-Green Bay students.

(The University Village Housing, Inc., is a non-profit corporation which exists for the benefit of UW-Green Bay.)

Resolution 3196: That, upon the recommendation of the UW-Whitewater 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 of Regents to execute an easement to DLK Enterprises, Inc., which will permit installing, maintaining and replacing a water main and connecting said water main to an existing water hydrant, and allow DLK Enterprises, Inc., to discharge surface waters from its lands over and through an existing drainage ditch on university-owned land to the storm sewer and catch basin also located on university-owned land.

Approval of Minor Projects, UW System

Regent Heckrodt reported that the Committee approved a $97,750 Camp Randall Stadium emergency lighting system project, $82,000 for advance planning of $2,452,000 in handicapped accessibility improvements projects at each campus and selected UW-Extension facilities, and $200,000 to initiate a handicapped access improvements project for the System.

It was moved by Regent Heckrodt and seconded by Regent O'Harrow that Resolution 3197 be adopted by the Board.
Resolution 3197: That, upon the recommendation of the UW-Madison Chancellor and President of the University of Wisconsin System, the following minor project be approved and authority granted to plan, bid and construct, at the cost and from the funding source indicated:


Further, upon the recommendation of the Chancellors and President of the University of Wisconsin System, that authority be granted to seek the release of (1) $82,000 of State Building Trust Funds-Planning to prepare preliminary plans and specifications and concept and budget reports for Handicapped Accessibility Improvements projects at the following locations, at the estimated costs shown, to be funded from the General Fund Supported Statewide Handicapped Accessibility Allocation:

<table>
<thead>
<tr>
<th>Location</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>UW-Eau Claire</td>
<td>$194,900</td>
</tr>
<tr>
<td>UW-Green Bay</td>
<td>123,800</td>
</tr>
<tr>
<td>UW-LaCrosse</td>
<td>171,900</td>
</tr>
<tr>
<td>UW-Madison</td>
<td>899,000</td>
</tr>
<tr>
<td>UW-Milwaukee</td>
<td>77,800</td>
</tr>
<tr>
<td>UW-Oshkosh</td>
<td>96,100</td>
</tr>
<tr>
<td>UW-Parkside</td>
<td>96,500</td>
</tr>
<tr>
<td>UW-Platteville</td>
<td>74,000</td>
</tr>
<tr>
<td>UW-River Falls</td>
<td>25,400</td>
</tr>
<tr>
<td>UW-Stevens Point</td>
<td>503,100</td>
</tr>
<tr>
<td>UW-Stout</td>
<td>20,000</td>
</tr>
<tr>
<td>UW-Superior</td>
<td>26,000</td>
</tr>
<tr>
<td>UW-Whitewater</td>
<td>111,500</td>
</tr>
<tr>
<td>UW Extension</td>
<td>32,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,452,000</strong></td>
</tr>
</tbody>
</table>

and (2) $200,000 of State Building Trust Funds for a Small Handicapped Access Improvements Projects program, with the funds to be administered and released by UW System Administration for projects costing less than $30,000.

In discussion at the Board meeting, Regent Fish noted that an energy modifications project involving Camp Randall had been deferred to a future meeting and asked if there would be savings in making the lighting system alterations at the same time.

It was indicated by Vice President Winter that the lighting project was needed at this time to meet safety requirements of the State Building Code.
Put to the vote, Resolution 3197 was unanimously adopted.

There was no closed session of the Board, and the meeting was adjourned at 10:45 a.m.

November 23, 1984

Judith A. Temby
Secretary
GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - MADISON

GIFT-IN-KIND

1. PROF. RAY LEWIS WHITE
   NORMAL, ILLINOIS
   CORRECTED GALLEY PROOFS OF VIDAL'S
   WASHINGTON, D.C.
   GIFT-IN-KIND
   MSN L&S COMMUN ARTS FLM&THEA R

2. HEWLETT-PACKARD CO.
   PALO ALTO, CA
   HP-8970A (NOISE FIGURE METER) & HP-346C (NOISE
   SOURCE)
   GIFT-IN-KIND
   MSN ENGR ELEC & COMP ENGR

3. BURDICK CORPORATION
   MILTON, WI
   334 BOXES OF PART NUMBER 047860 AND 310 BOXES OF
   PART NUMBER 047861 ELECTRODES
   GIFT-IN-KIND
   MSN ENGR ELEC & COMP ENGR

4. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   VAN TO BE USED FOR ATHLETIC DEPARTMENT BUSINESS
   GIFT-IN-KIND
   MSN ATH GENERAL OPERATIONS ADMIN

5. XEROX CORPORATION
   EL SEGUNDO, CALIFORNIA
   30 COMPUTER WORKSTATIONS AND SUPPORT
   EQUIPMENT
   GIFT IN KIND
   MSN L&S COMPUTER SCI

6. NIKON, INC. -GARDEN CITY, N.Y.
   SMZ-1, ZOOM STEREO MICROSCOPE SERIAL NO. 125661
   AND ALPHAPHOT, FULLFEATURED BINOCULAR MICROSCOPE
   SERIAL NO. 123491
   GIFT IN KIND
   MSN HS-MED MED SCH ED PROGS CURRIC-YR2

7. PROF. ROBERT L. TOTTINGHAM
   MADISON, WI
   TEN BOOKS IN JOURNALISM AND EDUCATION
   GIFT IN KIND
   MSN LIBR GENERAL LIBRARY

8. FRED FOSTER
   MIDDLETON, WISCONSIN
   COMPUTERIZED LIGHTING CONTROL SYSTEM
   GIFT IN KIND
   MSN L&S THEATRE & DRAMA

9. CBI INDUSTRIES, INC.
   PLAINFIELD, IL
   MULTI-CHANNEL DATA ACQUISITION SYSTEM
   GIFT IN KIND
   MSN ENGR ENGR EXPER STA STRUCT&M T
UNIVERSITY OF WISCONSIN - MADISON

GIFT-IN-KIND

10. MS. KAY STEWART
    WASHINGTON, IA
    2,012 VOLUMES AND 33 ISSUES OF WISDOM
    GIFT IN KIND
    MSN LIBR GENERAL LIBRARY

11. MR. MICHAEL SANDERS
    GREEN BAY, WISCONSIN
    MOCK-UP OF SOUTHEASTERN RECREATION FACILITY
    GIFT IN KIND
    MSN INTR R ADMINISTRATION

12. WISCONSIN CROP IMPROVEMENT
    MADISON, WI
    5 WHEEL TRAILER
    GIFT IN KIND
    MSN AG&LSC AGRONOMY

INSTRUCTION

1. AGRICULTURE, DEPT. OF
    WASHINGTON, DC
    NATIONAL NEEDS FELLOWSHIPS IN MARKETING
    FOR THE PERIOD 09-15-84 THROUGH 09-30-86
    AWARD # 84-GRAD-9-0004
    MSN AG&LSC AG ECONOMICS (144-W087) 93,432.00

2. DHHS, PHS, HEALTH RESOURCES AND SERVICES ADMIN
    ROCKVILLE, MD
    IN SUPPORT OF THE FOLLOWING:
    1) CONTINUING EDUCATION: ASSESSMENT AND
       NETWORKING IN REGION V
       FOR THE PERIOD 10-01-84 THROUGH 09-30-85
       AWARD # MCJ-009066-01-0
       MSN HS-NUR (144-W099) 52,681.00
    2) GENETICS EDUCATION: MATERNAL/CHILD HEALTH
       PROFESSIONALS
       FOR THE PERIOD 10-01-84 THROUGH 09-30-85
       AWARD # MCJ-009067-01-0
       MSN GRAD WAISMAN CENTER (144-W100) 27,073.00

3. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
    BETHESDA, MD
    RESEARCH TRAINING PROGRAM IN SENSORY PHYSIOLOGY
    AND BIOPHYSICS
    FOR THE PERIOD 07-01-84 THROUGH 06-30-85
    AT A TOTAL COST OF $64,178.00
    AWARD # 5 T32 NS07026-09, MOD. 2
    MSN HS-MED NEUROPHYSIOLOGY (144-U438) 1,728.00

4. DOD, NAVY
    CHARLESTON, SC
    EDUCATIONAL SERVICES TO CARRY OUT THE NAVAL
    RESERVE OFFICER'S TRAINING CORPS PROGRAM FOR A
    PERIOD BEGINNING OCT. 1, 1984.
    FOR THE PERIOD 10-01-84 THROUGH 09-30-85
    AWARD # NO0812-B5-G-0063
    MSN 235,000.00
GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - MADISON

INSTRUCTION

5. AMERICAN ECONOMIC ASSOCIATION
   NASHVILLE, TN
   COMMITTEE ON THE STATUS OF MINORITIES IN THE
   ECONOMICS PROFESSION - SUMMER PROGRAM
   MSN L&S ECONOMICS (133-F965) 10,000.00

6. OFFICE OF THE STATE PUBLIC DEFENDER
   MADISON, WI
   TRAINING PROGRAM FOR THE PERIOD
   08-27-84 THRU 05-26-85
   MSN L&S SOCIAL WORK (133-H515) 11,883.97

7. WISC DEPT OF NATURAL RESOURCES
   MADISON, WI
   COOPERATIVE INTERNSHIP AGREEMENT FOR THE PERIOD
   10-01-84 THRU 02-02-85
   AWARD # 84-1 KAWAMOTO
   MSN ENV ST INSTRUCTNL PROG INSTR PROG (133-H551) 2,200.00

8. MULTIPLE DONORS
   SUPPORT AGRICULTURAL ECONOMICS GRADUATE TRAINING
   PROGRAM
   MSN AG&LSC AG ECONOMICS (133-3859) 462.35

9. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   VIRGIL E HERRICK MEMORIAL LECTURE FUND
   MSN EDUC (133-4440) 1,000.00

10. NATIONAL CONFECTIONERS ASSOCIATION
    CHICAGO, IL
    DEFRAY COST OF CONDUCTING THE ANNUAL
    CONFECTIONER'S SHORT COURSE
    MSN AG&LSC FOOD SCIENCE (133-8131) 6,300.00

LIBRARIES

1. MUTUAL BENEFIT LIFE
   NEWARK, NJ
   WILFORD A RISTEEN-DISTRIBUTION OF BEQUEST
   RISTEEN, FLORA SCHRANKEL--LIBRARY FUND
   MSN HS-NUR ADMINISTRATION ADMIN ( TRUST ) 4,382.88

2. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   SUMNER MEMORIAL LIBRARY FUND
   MSN AG&LSC AG JOURNALISM (133-D145) 600.00

3. MULTIPLE DONORS
   FRIENDS OF THE STEENBOCK LIBRARY
   MSN LIBR STEENBOCK AG LIB (133-E402) 47.50

4. THOMAS (FRED L)
   MADISON, WI
   PURCHASE OF LIBRARY MATERIALS AND SUPPLIES
   MSN LIBR GENERAL LIBRARY (133-F543) 1,000.00
UNIVERSITY OF WISCONSIN - MADISON

LIBRARIES

5. MULTIPLE DONORS
   FRIENDS OF THE CENTER FOR LIMNOLOGY LIBRARY FUND
   MSN L&S LIMNOLOGY CTR (133-F972) 49.50

6. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   UNRESTRICTED FUND FOR ENGINEERING PUBLICATIONS
   MSN ENGR LIBRARY PUBLICATIONS (133-H271) 5,000.00

7. ISIS - HISTORY OF SCIENCE SOCIETY
   PHILADELPHIA, PA
   CRITICAL BIBLIOGRAPHY OF THE HISTORY OF SCIENCE
   AND ITS CULTURAL INFLUENCES
   MSN L&S HISTORY OF SCI (133-7202) 5,700.25

MISCELLANEOUS

1. FIRST WISCONSIN-MADISON
   MADISON, WI
   SCHORGER, A. W. TRUST
   SCHORGER, A. W.--WILDLIFE ECOLOGY
   MSN AG&SC N R-WILDLIFE ECOL (TRUST) 10,782.29

2. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   SULLIVAN, DR. WALTER--MEDICAL SCHOOL
   MSN HS-MED (TRUST) 1,450.00

   BE MODIFIED TO ALLOW FOR PURCHASE OF A
   PLAQUE TO BE GIVEN TO THE AWARD RECIPIENT."
   HART, VIRGINIA--VIRGINIA PUBLIC SERVICE
   RECOGNITION AWARD
   MSN L&S PUBL POL&ADM RES (TRUST)

4. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   MEDICAL SCHOOL RENOVATION PROJECT FUND
   MSN HS-MED ADMINISTRATION DEANS OFFC (TRUST) 24,000.00

5. MULTIPLE DONORS
   MUTCHLER, IAN--MEMORIAL FUND
   MSN HS-MED (TRUST) 110.00

6. SHELL COMPANIES FOUNDATION
   HOUSTON, TX
   FUND IS AVAILABLE TO SUPPORT PROFESSOR
   PATRICK D. MCMAHON OVER A THREE YEAR PERIOD
   CHEMICAL ENGINEERING--SHELL FACULTY CAREER
   INITIATION FUND (MCMAHON)
   MSN ENGR CHEMICAL ENGR (TRUST) 20,000.00

7. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   FUND AVAILABLE FOR USE IN THE DEPARTMENT
   AS DIRECTED BY THE CHAIRMAN
   DEPARTMENT OF MEDICINE--CHAIRMAN'S RESEARCH
   AND DEVELOPMENT FUND
   MSN HS-MED MEDICINE (TRUST) 25,000.00
MISCELLANEOUS

8. AGRICULTURE, DEPT. OF
   MILWAUKEE, WI
   BIOMEDICS/COMPUTERS IN FOREST MANAGEMENT
   FOR THE PERIOD 10-02-84 THROUGH 08-31-85
   AWARD # 53-56A1-5-01045
   MSN AG&LSC N RSRC-FORESTRY (144-W074) 29,951.79

9. EDUCATION, DEPT OF
   WASHINGTON, DC
   RENOVATION OF TEXTILE STORAGE AND
   DOCUMENTATION OF CONSERVATION NEEDS
   FOR THE PERIOD 10-01-84 THROUGH 09-30-85
   AWARD # IC-40120-84
   MSN FR&CS FAM RSRC&CNSM SC (144-W085) 5,151.00

10. WI BRD OF VOC TECH & ADULT EDUCATION
    MADISON, WI
    PRIME CONTRACTOR WITH DED
    WISCONSIN VOCATIONAL STUDIES CENTER:
    CURRICULUM DISSEMINATION COMPONENT
    FOR THE PERIOD 07-01-84 THROUGH 06-30-85
    AWARD # 20-101-150-315
    MSN EDUC WIS VOC STU CTR W VOC ST C (144-U641) 25,000.00

11. WI BRD OF VOC TECH & ADULT EDUCATION
    MADISON, WI
    PRIME CONTRACTOR WITH DED
    WISCONSIN VOCATIONAL STUDIES CENTER:
    RESEARCH COMPONENT
    FOR THE PERIOD 07-01-84 THROUGH 06-30-85
    AWARD # 20-102-150-315
    MSN EDUC WIS VOC STU CTR W VOC ST C (144-U642) 25,000.00

12. WI BRD OF VOC TECH & ADULT EDUCATION
    MADISON, WI
    PRIME CONTRACTOR WITH DED
    WISCONSIN VOCATIONAL EDUCATOR MAGAZINE
    FOR THE PERIOD 07-01-84 THROUGH 06-30-85
    AWARD # 20-103-150-315
    MSN EDUC WIS VOC STU CTR W VOC ST C (144-U644) 14,534.00

13. WI DEPT OF PUBLIC INSTRUCTION
    MADISON, WI
    PRIME CONTRACTOR WITH DED
    UPDATE AND PRODUCTION OF WISCONSIN NUTRITION
    EDUCATION AND TRAINING PROGRAM’S SUGGESTED
    RESOURCE LIST
    FOR THE PERIOD 09-24-84 THROUGH 08-15-85
    AWARD # P.O. PAE-01120
    MSN L&5 LIB&INF ST (144-W069) 4,485.00

14. WI DEPT OF PUBLIC INSTRUCTION
    MADISON, WI
    PRIME CONTRACTOR WITH DED
    TERTIARY CARE PROGRAM FOR CHRONICALLY
    HANDICAPPED CHILDREN
    FOR THE PERIOD 10-01-84 THROUGH 03-31-85
    AWARD # P.O. #PAE 01191
    MSN GRAD WAISMAN CENTER (144-W084) 103,150.00
MISCELLANEOUS

15. DHHS, OFFICE OF HUMAN DEVELOPMENT SERVICES
   KANSAS CITY, MO
   UNIVERSITY AFFILIATED FACILITY - ADMINISTRATION
   AND OPERATIONS
   FOR THE PERIOD 06-30-84 THROUGH 06-29-85
   AT A TOTAL COST OF $200,000.00
   AWARD # 07DD0273/13, MOD. 1
   MSN GRAD WAIIMAN CENTER (144-U515) 50,000.00

16. DHHS, PHS, HEALTH RESOURCES AND SERVICES ADMIN
   ROCKVILLE, MD
   NATIONWIDE ERYTHROCYTE PROTOPORPHYRIN PROFICIENCY
   TESTING PROGRAM
   FOR THE PERIOD 10-01-84 THROUGH 09-30-85
   AWARD # MCJ-553143-03-O
   MSN HS-HYG DNR, HSS PROJS E P P TEST (144-W106) 55,474.00

17. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
   BETHESDA, MD
   THIRD INTERNATIONAL WORKSHOP ON RENAL
   INSUFFICIENCY IN CHILDREN
   FOR THE PERIOD 09-01-84 THROUGH 08-31-85
   AWARD # 1 R13 AM34590-01
   MSN HS-MED PEDIATRICS (144-W077) 1,016.00

18. FERMI NATIONAL ACCELERATOR LABORATORY
   BATAVIA, IL
   PRIME CONTRACTOR WITH DOE
   FERMILAB'S SUPERCONDUCTING WIRE PROGRAM
   FOR THE PERIOD 09-01-83 THROUGH 09-30-84
   AT A TOTAL COST OF $65,551.77
   AWARD # P.O. 93582
   MSN ENGR ENGR EXPER STA SUPRCONDCT (144-T772) 3,809.77

19. GOVERNOR'S EMPLOYMENT & TRAINING OFFICE
   MADISON, WI
   PRIME CONTRACTOR WITH LABOR
   MAINTENANCE OF A CENTRAL CLEARINGHOUSE AND
   DISSEMINATION PROCESS OF JOB TRAINING RELATED
   INFORMATION
   FOR THE PERIOD 07-01-84 THROUGH 12-31-84
   AWARD # 6P-85-33
   MSN EDUC WIS VOC STU CTR W VOC ST C (144-U646) 25,000.00

20. WISCONSIN HUMANITIES COMMITTEE
    MADISON, WI
    PRIME CONTRACTOR WITH NEH
    FOOD FOR THOUGHT
    FOR THE PERIOD 09-01-84 THROUGH 05-31-85
    AWARD # FY82-114 (L)
    MSN HS-MED ADMINISTRATION DEANS OFFC (144-W046) 935.00

21. NATIONAL SCIENCE FOUNDATION
    WASHINGTON, DC
    IN SUPPORT OF THE FOLLOWING:
UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

1) ENHANCING INTERACTIVE TEACHING AND LEARNING IN THE PRE-COLLEGE CLASSROOM (CHEMISTRY) FOR THE PERIOD 09-01-84 THROUGH 02-28-86
AWARD # DPE-8470162
MSN L&S CHEMISTRY (144-U444) 459,194.00

2) CONFERENCE AND WORKSHOP ON NEUTRINO MASS AND POSSIBLE NEW PHYSICS AT LOW ENERGY: CABLE, WISCONSIN FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # PHY-8411687
MSN L&S PHYSICS (144-W105) 5,500.00

22. VETERANS ADMIN
MADISON, WI
IN SUPPORT OF THE FOLLOWING:

1) SCARCE MEDICAL SPECIALIST SERVICES CONTRACT FOR THE PERIOD 10-01-83 THROUGH 09-30-84 AT A TOTAL COST OF $204,000.35
AWARD # V607P-B91, MOD. 2
MSN HS-MED RADIOLOGY (144-T863) 2,097.67

2) SPECIALIZED MEDICAL RESOURCES-RADIOLOGY FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # V607P-950
MSN HS-MED RADIOLOGY (144-W072) 180,943.67

23. UNIVERSITY SURGICAL ASSOCIATES
MADISON, WI
SUPPORT AUDIOLIGIST
MSN HS-MED SURGERY (133-A013) 10,930.00

24. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SUPPORT OPERATION OF THE DEPARTMENT OF FAMILY MEDICINE AND PRACTICE
MSN HS-MED FAM MED & PRACT (133-A523) 33,500.00

25. UNIVERSITY PEDIATRIC ASSOCIATES
MADISON, WI
DEPARTMENT OF PEDIATRICS CHAIRMAN'S DISCRETIONARY FUND
MSN HS-MED PEDIATRICS (133-A528) 31,000.00

26. INLAND STEEL-RYERSON FOUNDATION, INC.
CHICAGO, IL
UNRESTRICTED GRANT FOR THE DEPARTMENT OF MECHANICAL ENGINEERING
MSN ENGR MECHANICAL ENGR (133-A694) 1,500.00

27. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
DISCRETIONARY ACCOUNT FOR THE CHAIRMAN OF CIVIL ENVIRONMENTAL ENGINEERING
MSN ENGR CIVIL & ENV ENGR (133-A723) 1,100.00
GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

28. MULTIPLE DONORS
DEFRAY SECRETARIAL, POSTAGE, TELEPHONE AND
SUPPLIES EXPENSES ASSOCIATED WITH THE "LINEAR
ALGEBRA AND ITS APPLICATIONS JOURNAL"
MSN L&S MATHEMATICS (133-A751) 325.00

29. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
FRIENDS OF THE ELVEHJEM ART CENTER
MSN L&S ELVUM MUSEUM ART (133-B163) 10,000.00

30. MULTIPLE DONORS
COLLEGIATE DAIRY PRODUCTS JUDGING TEAM SUPPORT
MSN AG&LSC FOOD SCIENCE (133-B181) 500.00

31. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
HERBARIUM EXPENSES
MSN L&S BOTANY (133-B291) 2,500.00

32. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SALARY SUPPORT FOR FRIENDS OF THE ARBORETUM
COORDINATOR
MSN ARBOR ARBORETUM (133-B663) 3,378.00

33. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
WISCONSIN LIONS EYE BANK- SPECIAL ACCOUNT
MSN HS-HSP ADMINISTRATION ADMIN (133-C007) 5,000.00

34. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
MEDICAL ENGINEERING PROGRAM
MSN ENGR ENGR EXPER STA EL&COMPUT (133-C932) 11,700.00

35. ATLANTIC RICHFIELD COMPANY
LOS ANGELES, CA
UNRESTRICTED GRANT FOR USE IN THE FIELD
OF GEOPHYSICS
MSN L&S GEOL & GEOPHYSICS GEO&POL R (133-D372) 2,000.00

36. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
ARTS OUTREACH
MSN OUTRCH PUB SV-ARTS OUTR (133-D560) 4,000.00

37. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
RESEARCH AND INSTRUCTION IN THE COMPUTER
SCIENCES DEPARTMENT
MSN L&S COMPUTER SCI (133-D865) 9,000.00

38. MONSANTO COMPANY
ST. LOUIS, MO
UNRESTRICTED GRANT TO THE DEPARTMENT
OF CHEMISTRY
MSN L&S CHEMISTRY (133-D910) 3,000.00
## MISCELLANEOUS

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<td>MADISON, WI SUPPORT ADMINISTRATIVE AND CLERICAL SUPPORT STAFF IN THE DEPARTMENT OF HUMAN ONCOLOGY</td>
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49. WISCONSIN YOUTH SYMPHONY ORCHESTRAS
    MADISON, WI
    TEACHING ASSISTANT SUPPORT
    MSN L&S SCHOOL OF MUSIC (133-E838) 1,679.92

50. DEPARTMENT OF GEOLOGY AND GEOPHYSICS
    CHAIRMAN'S DISCRETIONARY ACCOUNT
    MSN L&S GEOL & GEOPHYSICS (133-E941)
    50,000.00 UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI 700.00 MULTIPLE DONORS
    50,700.00

51. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    EXXON FACULTY ASSISTANCE GRANT
    MSN ENGR CHEMICAL ENGR (133-F086) 20,000.00

52. UNIVERSITY HOSPITAL INTERNISTS
    MADISON, WI
    UNIVERSITY HOSPITAL INTERNISTS' PROGRAM SUPPORT
    MSN HS-MED MEDICINE (133-F102) 91,800.00

53. MULTIPLE DONORS
    WISCONSIN PUBLIC UTILITIES INSTITUTE
    MSN BUS SCH OF BUSINESS (133-F507) 1,225.00

54. MULTIPLE DONORS
    ANALYTICAL SERVICE ACCOUNT
    MSN HS-PHR PHARMACY (133-F529) 80.00

55. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    JOHN G. SCHUTZ EXCELLENCE IN MARKETING AWARD
    MSN BUS SCH OF BUSINESS (133-F636) 369.90

56. WISCONSIN SOCIETY FOR JEWISH LEARNING, INC.
    MILWAUKEE, WI
    RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF
    HEBREW AND SEMITIC STUDIES
    MSN L&S HEBREW & SEM STUD (133-F665) 1,400.00

57. WISCONSIN SOCIETY FOR JEWISH LEARNING, INC.
    MILWAUKEE, WI
    RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF
    HEBREW AND SEMITIC STUDIES
    MSN L&S HEBREW & SEM STU (133-F666) 1,400.00

58. WISCONSIN SOCIETY FOR JEWISH LEARNING, INC.
    MILWAUKEE, WI
    RESEARCH AND INSTRUCTION IN THE DEPARTMENT OF
    HEBREW AND SEMITIC STUDIES
    MSN L&S HEBREW & SEM STU (133-F667) 1,400.00
### MISCELLANEOUS

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<td>Notre Dame, IN</td>
<td>1984-5 GEM Fellowship Program</td>
<td>133-G513</td>
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MISCELLANEOUS

69. MULTIPLE DONORS
F4/6 NURSING UNIT FURNISHINGS MEMORIAL FUND
MSN HS-HSP ADMINISTRATION ADMIN  (133-G519)  500.00

70. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SIGN, SYMBOL, SCRIPT EXHIBIT
MSN L&S HEBREW & SEM STU (133-G580)  4,500.00

71. MULTIPLE DONORS
IEEE EDITOR FUNCTIONS
MSN ENGR ENGR EXPER STA EL&COMPUT (133-G607)  500.00

72. MULTIPLE DONORS
DISCRETIONARY FOR USE OF PHYSIOLOGISTS IN BOTANY
MSN L&S BOTANY (133-G608)  80.00

73. UNIVERSITY HEALTH CARE, INC.
MADISON, WI
QUALITY ASSURANCE, MONITORING AND COORDINATION
OF MEDICAL CARE ACTIVITIES
MSN HS-MED MEDICINE (133-G652)  2,518.42

74. EASTMAN KODAK COMPANY
ROCHESTER, NY
DISCRETIONARY GRANT FOR COLLEGE OF LETTERS
AND SCIENCE WHICH HAS STUDENTS IN THE KODAK
SCHOLARS' PROGRAM
MSN L&S ADMINISTRATION (133-G693)  300.00

75. EASTMAN KODAK COMPANY
ROCHESTER, NY
DISCRETIONARY GRANT FOR SCHOOL OF BUSINESS WHICH
HAS STUDENTS IN THE KODAK SCHOLARS' PROGRAM
MSN BUS SCH OF BUSINESS (133-G694)  300.00

76. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
DISABLED PERSONS ON CAMPUS FUND
MSN G E A DEAN OF STUDENTS PR DISABLD (133-G743)  638.40

77. MIDWEST UNIVERSITIES CONSORTIUM
FOR INTERNATIONAL ACTIVITIES
COLUMBUS, OH
INTERNATIONAL TRAVEL AND RELATED ACTIVITIES
FOR THE PERIOD 06-24-82 THRU 06-30-84
AWARD # AF1017
MSN G E A INTL STU & PROGS (133-G801)  3,000.00

78. MULTIPLE DONORS
SPINA BIFIDA PROGRAM
MSN HS-HSP ADMINISTRATION ADMIN (133-G881)  65.00

79. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
UNRESTRICTED GRANT IN THE DEPARTMENT OF CHEMISTRY
MSN L&S CHEMISTRY (133-G952)  3,800.00
GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

80. WISC DEPT OF NATURAL RESOURCES
MADISON, WI
CHAIRMAN'S DISCRETIONARY ACCOUNT
MSN AG&LSC NR-LANDSCAP ARCH (133-G984) 1,000.00

81. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
CONSERVATION OF VAN VLECK PRINTS
MSN L&S ELVJM MUSEUM ART (133-G989) 9,000.00

82. MULTIPLE DONORS
DISCRETIONARY ACCOUNT IN THE DEPARTMENT
OF PHYSICAL EDUCATION & DANCE
MSN EDUC PHYS ED & DANCE (133-H031) 350.00

83. PROJECT ACRONYM/MCBURNEY RESOURCE CENTER
MSN GEA DEAN OF STUDENTS PR DISABLD (133-H306)
2,500.00 WISC DEPT OF HEALTH AND SOCIAL SERVICES
MADISON, WI
500.00 MULTIPLE DONORS
3,000.00

84. STATE PUBLIC DEFENDER'S OFFICE
MADISON, WI
LEGAL DEFENSE PROGRAM AT A $60,000 LEVEL
MSN LAW LAW SCHOOL (133-H389) 20,000.00

85. MIDWEST UNIVERSITIES CONSORTIUM
FOR INTERNATIONAL ACTIVITIES
COLUMBUS, OH
DISCRETIONARY FUNDS FOR LIAISON OFFICER
COMMUNICATION ACTIVITY FOR THE PERIOD
07-01-84 THRU 05-30-85
MSN GEA INTL STU & PROGS (133-H552) 5,000.00

86. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SUPPLIES, EQUIPMENT AND MISCELLANEOUS EXPENSES
MSN L&S ECONOMICS (133-H571) 2,000.00

87. WISCONSIN SOCIETY FOR JEWISH LEARNING, INC.
MILWAUKEE, WI
RESEARCH AND INSTRUCTION IN THE DEPARTMENT
OF HEBREW AND SEMITIC STUDIES
MSN L&S HEBREW & SEM STU (133-H602) 1,400.00

88. AMERICAN NUCLEAR SOCIETY
LA GRANGE PARK, IL
COLLEGE UNDERGRADUATE RECRUITMENT EFFORT PROGRAM
MSN ENGR ENGR EXPER STA NUCL ENGR (133-H694) 3,000.00

89. SCHOOL OF BUSINESS DEAN'S DISCRETIONARY GRANT
MSN BUS SCH OF BUSINESS (133-O179)
1,000.00 MACY (R H) & CO., INC.
NEW YORK, NY
200.00 MULTIPLE DONORS
5,894.60 UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
15,560.00 BANK ADMINISTRATION INSTITUTE
ROLLING MEADOWS, IL
1,500.00 FEDERAL NATIONAL MORTGAGE ASSOCIATION
CHICAGO, IL
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GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - MADISON

MISCELLANEOUS

99. SENSORY AND CHEMICAL PROPERTIES OF FOOD FLAVORS
MSN AG&LSC FOOD SCIENCE (133-8343)

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100. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
DEPARTMENT OF GEOLOGY & GEOPHYSICS CHAIRMAN'S DISCRETIONARY GRANT FOR CHARITABLE, EDUCATIONAL OR SCIENTIFIC PURPOSES
MSN L&S GEO & GEOPHYSCS (133-8797)

Total: 2,000.00

101. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
ENVIRONMENTAL AWARENESS CENTER DEVELOPMENT FUND
MSN AG&LSC N R-ENVIR AWARE (133-8925)

Total: 40.00

102. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SCHOOL OF JOURNALISM AND MASS COMMUNICATION DISCRETIONARY ACCOUNT
MSN L&S JOURN & MASS COM (133-9465)

Total: 130.00

103. MULTIPLE DONORS
WAISMAN CENTER ON MENTAL RETARDATION AND HUMAN DEVELOPMENT FUND
MSN GRAD WAISMAN CENTER (133-9545)

Total: 5.00

104. WISCONSIN RURAL REHABILITATION CORPORATION
MADISON, WI
SUPPORT FAMILY PHYSICIANS RESIDENCIES AT RURAL CLINICS
MSN HS-MED FAM MED & PRACT (133-9582)

Total: 60,000.00

105. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
MINORITIES PROGRAM
MSN L&S JOURN & MASS COM (133-9632)

Total: 1,000.00

PHYSICAL PLANT

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

1) INTEREST SUBSIDY GRANT FOR THE HELEN C WHITE UNDERGRADUATE LIBRARY
FOR THE PERIOD 07-01-75 THROUGH 09-15-84
AWARD #: 5-B-00378-0
MSN UNIT-W DEBT SV AC BLDGS (144-H015)

Total: 56,535.00
UNIVERSITY OF WISCONSIN - MADISON

PHYSICAL PLANT

2) INTEREST SUBSIDY GRANT FOR COMMUNICATION ARTS BUILDING FOR THE PERIOD 07-01-72 THROUGH 09-15-84 AWARD # 5-5-00438-0
MSN UNIT-W DEBT SV AC BLDGS (144-J407) 49,148.00

2. WISCONSIN ALUMNI RESEARCH FOUNDATION MADISON, WI UNIVERSITY RESEARCH PARK MSN G E A UNIVERSITY ADMIN CHANCELLOR (135-0087) 250,000.00

3. UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI REMODEL OUTDOOR RUNNING TRACK MSN ATH GENERAL OPERATNS ADMIN (133-H555) 77,000.00

4. UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI WAISSMAN CENTER CLASSROOM REMODELING MSN GRAD WAISSMAN CENTER (133-H566) 26,000.00

5. UNIVERSITY OF WISCONSIN FOUNDATION MADISON, WI OBSERVATORY DRIVE PEDESTRIAN OVERLOOK/SITTING AREA MSN G SERV PLANNING & CONST PLAN&CONST (133-H573) 40,000.00

RESEARCH

1. DATA GENERAL CORPORATION WESTBORO, MA SELF-STUDY LICENSE AGREEMENT MSN ENGR ENGR EXPER STA CMPTR-AID

2. DIGITAL EQUIPMENT CORPORATION MAYNARD, MA SPECIAL INVESTMENT GRANT PROGRAM FOR INSTRUCTIONAL PRODUCTIVITY MSN ENGR ENGR EXPER STA INDUS ENGR

3. WISC DEPT OF NATURAL RESOURCES MADISON, WI SANDHILL WILDLIFE DEMONSTRATION AREA RESEARCH MSN AG&LSC R-RECR RSCRC C

4. GENERAL ELECTRIC COMPANY WAUKESHA, WI MR RESEARCH AND CLINICAL INVESTIGATION MSN HS-MED RADIOLOGY DIAGNOSTIC

5. MULTIPLE DONORS WARREN, ESTELLE R.-DAIRY SCIENCE RESEARCH MSN AG&LSC DAIRY SCIENCE (TRUST) 2,371.85
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

6. MULTIPLE DONORS
   IMMUNOMODULATOR RESEARCH FUND
   MSN HS-MED HUMAN ONCOLOGY
   (TRUST) 15.00

7. SMITH KLINE & FRENCH LABORATORIES
   PHILADELPHIA, PA
   ANTIBIOTIC RESEARCH FUND
   MSN HS-MED MEDICINE INFECT DIS
   (TRUST) 200,900.00

8. NORWEST BANK MINNEAPOLIS, N.A.
   MINNEAPOLIS, MN
   LYNUM, EDITH H.
   LYNUM, EDITH H.--MEDICAL RESEARCH FUND
   MSN HS-MED
   (TRUST) 2,230.10

9. MULTIPLE DONORS
   NEUROLOGY DEPARTMENT RESEARCH FUND
   MSN HS-MED NEUROLOGY
   (TRUST) 1,695.00

10. MONSANTO COMPANY
    ST. LOUIS, MO
    FUND IS AVAILABLE TO HELP SUPPORT BASIC RESEARCH
    UNDER THE DIRECTION OF DR. ALAN POLAND,
    CANCER RESEARCH AT THE MCARDLE LAB
    MSN HS-MED ONCOLOGY
    (TRUST) 50,000.00

11. ENCYCLOPAEDIA BRITANNICA
    CHICAGO, IL
    SCHOOL OF EDUCATION--WISCONSIN CENTER FOR
    EDUCATION RESEARCH
    MSN EDUC GENERAL ADMIN DEANS OFF
    (TRUST) 1,746.04

12. MULTIPLE DONORS
    WISCONSIN CLINICAL CANCER CENTER--RESEARCH
    MSN HS-MED HUMAN ONCOLOGY
    (TRUST) 3,455.00

13. MULTIPLE DONORS
    JOHNSON, R. O.--LECTURESHIP
    MSN HS-MED HUMAN ONCOLOGY
    (TRUST) 25.00

14. AGRICULTURE, DEPT. OF
    AMES, IA
    IN SUPPORT OF THE FOLLOWING:

   1) WILD POTATO (SOLANUM) GERMPLASM EXPLORATION INTO
      MEXICO
      FOR THE PERIOD 10-01-84 THROUGH 09-30-85
      AWARD # P O #43-6125-4-4221
      MSN AG&LSC RESEARCH DIV
      (144-W018) 8,500.00

   2) CELLULAR INTERACTIONS AND IMMUNE RESPONSE
      MECHANISMS IN BRUCELLA INFECTED AND IMMUNIZED
      CATTLE
      FOR THE PERIOD 10-01-84 THROUGH 09-30-85
      AWARD # 58-6125-5-2
      MSN AG&LSC VETERINARY SCI
      (144-W048) 65,000.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

15. AGRICULTURE, DEPT. OF
ATHENS, GA
IMPROVING SAFETY OF CIGAR TOBACCO BY GENETIC
PRINCIPLES AND CULTURAL PRACTICES
FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # 58-7830-3-523, MOD. 3
MSN AG&LSC HORTICULTURE (144-W050) 2,000.00

16. AGRICULTURE, DEPT. OF
BELTSVILLE, MD
AMINO ACID STRUCTURE AND BIOLOGICAL
CHARACTERIZATION OF BOVINE PLACENTAL LACTOGEN
FOR THE PERIOD 09-20-84 THROUGH 09-30-87
AWARD # 58-5204-4-776
MSN AG&LSC DAIRY SCIENCE (144-W020) 50,000.00

17. AGRICULTURE, DEPT. OF
HYATTSVILLE, MD
EVALUATION OF ALFALFA WEEVIL BIOCONTROL PROGRAM
AND ALFALFA WEEVIL STRAIN INDENTIFICATION
FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # 12-16-81-008
MSN AG&LSC ENTOMOLOGY (144-W075) 38,800.00

18. AGRICULTURE, DEPT. OF
MINNEAPOLIS, MN
IN SUPPORT OF THE FOLLOWING:

1) DNA TRANSFORMING SYSTEMS IN PLANT PATHOGENS FUNGI
FOR THE PERIOD 09-16-83 THROUGH 09-30-87
AT A TOTAL COST OF $95,211.00
AWARD # 58-519B-3-1247, MOD. 1
MSN AG&LSC PLANT PATHOLOGY (144-T845) 55,200.00

2) DEVELOPMENT OF MOLECULAR BIOLOGY MEANS FOR
INCORPORATING DISEASE RESISTANCE IN POTATOES
FOR THE PERIOD 09-27-84 THROUGH 09-30-87
AWARD # 58-5759-4-17
MSN AG&LSC PLANT PATHOLOGY (144-W059) 136,000.00

19. AGRICULTURE, DEPT. OF
PEORIA, IL
IN SUPPORT OF THE FOLLOWING:

1) PATHOLOGICAL SUPPORT SERVICES TO THE INTER-
REGIONAL POTATO INTRODUCTION
FOR THE PERIOD 09-15-83 THROUGH 09-30-85
AT A TOTAL COST OF $53,876.00
AWARD # 58-519B-3-1250, MOD. 1
MSN AG&LSC PLANT PATHOLOGY (144-T833) 30,076.00

2) DISEASE RESISTANCE IN CARROTS, ONIONS, AND
CUCUMBERS AND DEVELOPMENT OF RESISTANT BREEDING
MATERIALS
FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # 58-519B-9-812
MSN AG&LSC PLANT PATHOLOGY (144-W051) 12,000.00
RESEARCH

3) CHEMICAL GENETICS OF GLUCOSINULATES IN BRASSICA AND RAPHANUS
   FOR THE PERIOD 10-01-84 THROUGH 09-30-85
   AWARD # 12-14-3001-758
   MSN AG&LSC PLANT PATHOLOGY (144-WO52) 18,400.00

4) ENVIRONMENTAL FACTORS AFFECTING FUSARIUM EAR ROT AND TOXIN CONTAMINATION OF CORN IN FIELD AND STORAGE
   FOR THE PERIOD 09-25-84 THROUGH 09-30-85
   AWARD # 58-5114-4-6003
   MSN AG&LSC PLANT PATHOLOGY (144-WO73) 26,560.00

20. AGRICULTURE, DEPT. OF WASHINGTON, DC
   IN SUPPORT OF THE FOLLOWING:
   
   1) COOPERATIVE AGRICULTURAL RESEARCH IN WISCONSIN FOR THE PERIOD 07-01-79 THROUGH 09-30-85
      AT A TOTAL COST OF $7,507,949.30
      AWARD # 12-14-3001-258, MOD. 1
      MSN AG&LSC (144-N196) 1,476,000.00

   2) METHODOLOGY FOR COMMUNITY NEEDS ASSESSMENT FOR THE PERIOD 09-27-82 THROUGH 09-30-85
      AT A TOTAL COST OF $12,500.00
      AWARD # 58-3195-2-0490X, MOD. 2
      MSN AG&LSC RURAL SOCIOLOGY (144-S660) 1,500.00

   3) ANALYSIS OF TREE IMPROVEMENT RESEARCH IMPACTS FOR THE PERIOD 08-01-84 THROUGH 01-31-86
      AWARD # 58-3159-4-29
      MSN AG&LSC N RSRC5-FORESTRY (144-WO83) 12,000.00

21. AGRIC, FOREST SERVICE
   MADISON, WI
   IN SUPPORT OF THE FOLLOWING:
   
   1) DETERMINATION OF BIOCHEMICAL PATHWAYS IN THE FERMENTATION OF D-XYLOSE BY YEASTS FOR THE PERIOD 09-15-84 THROUGH 10-31-85
      AWARD # FP-84-0667
      MSN AG&LSC BACTERIOLOGY (144-WO23) 25,450.00

   2) RECOVERY OF CHEMICALS FROM HEMICELLULOSE FOR THE PERIOD 09-17-84 THROUGH 09-16-85
      AWARD # FP-84-0662
      MSN ENGR ENGR EXPER STA CHEM ENGR (144-WO26) 15,000.00

   3) EVALUATION OF COATINGS FOR INVAR SAWs FOR THE PERIOD 09-15-84 THROUGH 09-14-85
      AWARD # FP-84-0686
      MSN ENGR ENGR EXPER STA MET & MIN (144-WO47) 20,000.00

   4) FERMENTATION OF D-XYLOSE BY CANDIDA SHEHATAE FOR THE PERIOD 09-15-84 THROUGH 09-30-86
      AWARD # FP-84-0668
      MSN ENGR ENGR EXPER STA CHEM ENGR (144-WO64) 28,860.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

22. AGRIC. SCIENCE AND EDUCATION ADMIN.
WASHINGTON, DC
SELECTION FOR ENHANCED NITROGEN FIXATION IN COMMON BEAN GERMPLASM FOR HONDURAS FOR THE PERIOD 09-15-84 THROUGH 09-30-87
AWARD # 84-CRSR-2-2516
MSN AG&LSC HORTICULTURE (144-W028) 90,000.00

23. COMMERCE, DEPT OF
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:

1) A GOES ARCHIVE-RETRIEVAL SYSTEM
FOR THE PERIOD 09-21-84 THROUGH 06-30-86
AWARD # NA-84-SAC-00019
MSN GRAD SPACE SCI&ENG CT (144-W029) 1,599,527.00

2) SEAL WELDER FOR POLYETHYLENE VIALS
FOR THE PERIOD 09-24-84 THROUGH 02-28-85
AWARD # P 0 419039
MSN ENGR ENGR EXPER STA NUCL ENGR (144-W096) 3,000.00

24. COMM., NATIONAL OCEANIC & ATMOSPHERIC ADM
ROCKVILLE, MD
IN SUPPORT OF THE FOLLOWING:

1) SUPPORT TO A NOAA OPERATIONAL VAS ASSESSMENT EFFORT
FOR THE PERIOD 05-01-84 THROUGH 10-31-84
AT A TOTAL COST OF $926,007.00
AWARD # NA-85-DGC-00155
MSN GRAD SPACE SCI&ENG CT (144-U387) 552,143.00

2) DIAGNOSTIC STUDIES OF GLOBAL CIRCULATION PATTERNS AND THEIR FLUCUATIONS ON TIME-SCALES OF WEEKS AND MONTHS
FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # NA84AA-D-MC001
MSN ENV ST CTR FOR CLIM RES (144-W011) 90,000.00

3) USE OF BISULFITE IN SHRIMP - RESIDUES, FATE AND ALTERNATIVES
FOR THE PERIOD 10-01-84 THROUGH 12-31-85
AWARD # NA84AA-H-5K093
MSN AG&LSC FOOD MICRO&TOXIC (144-W014) 46,947.00

4) PERFORMANCE DEMONSTRATION OF THE HIGH-RESOLUTION INTERFEROMETER SOUNDER (HIS)
FOR THE PERIOD 09-28-84 THROUGH 09-27-85
AWARD # NA-84-DGC-00095
MSN GRAD SPACE SCI&ENG CT (144-W063) 130,000.00

5) RAIN RETRIEVAL AND SCREENING AT THE WINDOW AND SOUNDING FREQUENCIES OF THE ADVANCED MICROWAVE SOUNING UNIT (AMSU)
FOR THE PERIOD 09-28-84 THROUGH 09-27-85
AWARD # NA-84-DGC-00240
MSN GRAD SPACE SCI&ENG CT (144-W107) 49,997.00
RESEARCH

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

1) A NON-SHELTERED COMMUNITY BASED VOCATIONAL TRAINING PROGRAM FOR STUDENTS WITH SEVERE BEHAVIOR DISORDERS
FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # GOO8430014
MSN EDUC WIS CTR EDUC RES (144-W040) 103,558.00

2) TACTILE VISION FOR SEVERELY VISUALLY IMPAIRED:
THE DEVELOPMENT OF A UNIQUE EDUCATIONAL PROGRAM
FOR THE TEACHING OF VISUAL CONCEPTS TO THE EARLY BLIND
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # GO08435023
MSN HS-MED REHABIL MEDICINE (144-W094) 77,501.00

26. MADISON METROPOLITAN SCHOOL DISTRICT
MADISON, WI
PRIME CONTRACTOR WITH DED
ESTABLISHMENT OF A TRAINING AND DEMONSTRATION PROJECT
FOR THE PERIOD 09-01-84 THROUGH 06-30-85
AWARD # AGR DTD 10/10/84
MSN GRAD WAISMAN CENTER (144-W104) 3,000.00

27. HEALTH AND HUMAN SERVICES, DEPT OF
WASHINGTON, DC
RESEARCH ON POVERTY, 1950-1990
FOR THE PERIOD 09-01-83 THROUGH 08-31-85
AT A TOTAL COST OF $268,581.00
AWARD # 40A-83, MOD. 1
MSN L&S INST-RES ON POV (144-T819) 22,843.00

28. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
ROCKVILLE, MD
IN SUPPORT OF THE FOLLOWING:

1) ANXIETY SYSTEM AND ATTENTIONAL DEFICITS IN PSYCHOPATHY
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # 8 R01 MH37711-02
MSN L&S PSYCHOLOGY (144-U860) 29,590.00

2) BREEDING BIOLOGY AND BEHAVIOR OF MONOGAMOUS PRIMATES
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # 2 R01 MH35215-03
MSN L&S PSYCHOLOGY (144-U951) 63,360.00

3) NIMH DIS COMPUTER DIAGNOSIS: EPIDEMIOLOGIC APPLICATIONS
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # 1 R01 MH39120-01
MSN HS-PSY PSYCHIATRIC INST (144-U989) 214,825.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

4) POSTDOCTORAL FELLOWSHIP AWARD FOR THE PERIOD 10-01-84 THROUGH 09-30-85 AWARD # 1 F32 MH09238-01 MSN L&S PSYCHOLOGY (144-W090) 22,716.00

5) OPTIMIZING STRATEGIES OF INFORMATION SEEKING FOR THE PERIOD 09-30-84 THROUGH 08-31-85 AWARD # 1 RO3 MH59831-01 MSN L&S COMMUN ARTS (144-W103) 18,211.00

29. DHHS, PHS, HEALTH RESOURCES AND SERVICES ADMIN ROCKVILLE, MD IN SUPPORT OF THE FOLLOWING:

1) SENSORY PREPARATION FOR DISCHARGE AFTER CANCER SURGERY FOR THE PERIOD 09-15-84 THROUGH 09-14-85 AWARD # 1 RO1 NU01254-01 MSN HS-NUR (144-W022) 104,264.00

2) SLEEP DISTURBANCES IN INFANTS OF ADOLESCENT MOTHERS FOR THE PERIOD 09-28-84 THROUGH 09-27-85 AWARD # 1 RO1 NU01194-01 MSN HS-NUR (144-W101) 52,738.00

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

1) PARALLEL PATHWAYS IN VISUAL PROCESSING AND DEVELOPMENT FOR THE PERIOD 08-01-83 THROUGH 07-31-84 AT A TOTAL COST OF $125,960.00 AWARD # 5 RO1 EYO2545-06, MOD. 1 MSN L&S PSYCHOLOGY (144-T469) 270.00

2) ROLE OF LRH RECEPTORS IN CONTROL OF HCG PRODUCTION (REDUCTION DUE TO TRANSFER OF PRINCIPAL INVESTIGATOR TO ANOTHER INSTITUTION) FOR THE PERIOD 05-01-84 THROUGH 07-31-84 AWARD # 1 RO1 HD17469-01A1, MOD. 1 MSN HS-MED OBSTET & GYNECOL (144-U060) 80,366.00

3) ANALYSES OF PARKINSONIAN DYSPHAGIA AND TREMOR (REDUCTION DUE TO TRANSFER OF PRINCIPAL INVESTIGATOR TO ANOTHER INSTITUTION) FOR THE PERIOD 04-01-84 THROUGH 08-31-84 AT A TOTAL COST OF $11,723.00 AWARD # 1 R23 NS20747-01, MOD. 1 MSN GRAD WAISMAN CENTER (144-U188) 36,593.00

4) GLUCOSE METABOLISM AND CALCIUM IN PANCREATIC ISLETS FOR THE PERIOD 04-01-84 THROUGH 03-31-85 AT A TOTAL COST OF $142,699.00 AWARD # 2 RO1 AM28348-04, MOD. 1 MSN HS-MED PEDIATRICS (144-U202) 1,068.00
RESEARCH

5) CANCER CENTER SUPPORT (COMPREHENSIVE)
FOR THE PERIOD 04-01-84 THROUGH 03-31-85
AT A TOTAL COST OF $1,704,528.00
AWARD # 5 P30 CA14520-12, MOD. 2
MSN HS-MED HUMAN ONCOLOGY (144-U228) 31,059.00

6) REGIONAL PRIMATE RESEARCH CENTER SUPPORT
FOR THE PERIOD 05-01-84 THROUGH 04-30-85
AT A TOTAL COST OF $2,770,728.00
AWARD # 3 P51 RR0167-24S1, MOD. 4
MSN L&S PRIMATE RES CTR (144-U347) 151,648.00

7) PROFESSIONAL ONCOLOGY EDUCATION PROGRAM
FOR THE PERIOD 07-01-84 THROUGH 06-30-85
AT A TOTAL COST OF $194,311.00
AWARD # 2 R25 CA18397-10, MOD. 1
MSN HS-MED HUMAN ONCOLOGY (144-U601) 329.00

8) INTESTINAL TRANSPORT OF CARNITINE
FOR THE PERIOD 08-01-84 THROUGH 07-31-85
AWARD # 5 RO1 AM32667-02
MSN HS-MED MEDICINE GASTROENT (144-U716) 74,637.00

9) COMMUNITY CLINICAL ONCOLOGY PROGRAM
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # 5 U10 CA37401-02
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOL (144-U920) 13,448.00

10) ECOG COMMUNITY CLINICAL ONCOLOGY PROGRAM
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # 5 U10 CA37403-02
MSN HS-MED HUMAN ONCOLOGY EAST COOP (144-U921) 502,068.00

11) ENTERIC NEURON ABLATION; ALTERED MOTILITY AND
SECRETION
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # 5 RO1 AM32594-02
MSN HS-PHR PHARMACY (144-U933) 66,762.00

12) ALLERGIC DISEASE CENTER
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # 5 P50 AI10404-14
MSN HS-MED MEDICINE (144-U936) 266,197.00

13) THE CHEMISTRY OF SELENENIC ACIDS
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # 5 RO1 AM23042-06
MSN L&S CHEMISTRY (144-U955) 64,917.00

14) ANGIOGENESIS IN THE MOUSE EYE
FOR THE PERIOD 09-30-84 THROUGH 09-29-85
AWARD # 5 RO1 EY03243-06
MSN L&S ZOOLOGY (144-U991) 118,525.00

15) POSTDOCTORAL FELLOWSHIP AWARD
FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # 1 F32 HL07052-01
MSN VET M STRUCT&FUNCT SCI (144-W025) 17,736.00
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RESEARCH

26) SENIOR INTERNATIONAL FELLOWSHIP AWARD (FOGARTY) FOR THE PERIOD 12-01-84 THROUGH 06-30-85
AWARD # 1 FO6 TWO957-01
MSN HS-MED PHYSIOLOGY (144-W102) 19,633.00

31. COLUMBIA UNIVERSITY
NEW YORK, NY
PRIME CONTRACTOR WITH DHHS PHS NIH
PRESBYOPIA: THE AGING PROCESS OF
ACCOMMODATIVE MECHANISM
FOR THE PERIOD 04-01-84 THROUGH 03-31-85
AWARD # P.O. #CP 1760
MSN HS-MED OPHTHALMOLOGY (144-U366) 95,056.00

32. DOD, AIR FORCE
BOLLING AIR FORCE BASE, DC
AN EXPERIMENTAL AND THEORETICAL INVESTIGATION
OF OPTOGALVANIC EFFECTS
FOR THE PERIOD 09-30-84 THROUGH 09-29-85
AWARD # AFOSR-84-0328
MSN L&S PHYSICS (144-W013) 95,157.00

33. DOD, AIR FORCE
PATRICK AFB, FL
METEOROLOGICAL INTERACTIVE DATA DISPLAY SYSTEM
FOR THE CAPE CANAVERAL FORECAST FACILITY
FOR THE PERIOD 05-01-84 THROUGH 09-30-85
AT A TOTAL COST OF $870,379.00
AWARD # F08606-84-C-0007, MOD. 2
MSN GRAD SPACE SCI&ENG CT (144-U103) 374,292.00

34. DOD, ARMY
FREDERICK, MD
PULMONARY ADAPTATION TO HIGH ALTITUDE
FOR THE PERIOD 11-30-83 THROUGH 11-30-85
AT A TOTAL COST OF $158,188.00
AWARD # DAMD17-82-C-2259, MOD. 8
MSN HS-MED PREVENTIVE MED (144-T959) 96,332.00

35. DOD, ARMY
RESEARCH TRIANGLE PARK, NC
CLASSIFICATION OF SINGLE AND MULTI-DEGREE-OF-
FREEDOM MOTIONS
FOR THE PERIOD 09-10-84 THROUGH 09-09-85
AWARD # DAAG29-84-K-0182
MSN ENGR ENGR EXPER STA MECH ENGR (144-W017) 35,970.00

36. DOD, NAVY
ARLINGTON, VA
IN SUPPORT OF THE FOLLOWING:

1) ACOUSTICAL TECHNIQUES FOR THE STUDY OF NEKTON AND
ZOOPLANKTON AT WATER TYPE BOUNDARIES AND FRONTS IN
THE OCEANS
FOR THE PERIOD 09-01-79 THROUGH 09-30-84
AT A TOTAL COST OF $687,011.00
AWARD # NOOO14-79-C-0703, MOD. 8
MSN ENV ST MARINE STU CTR (144-N643) 8,749.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

2) SCALE DEVELOPMENT AND CONSTRUCT VALIDATION
LABORATORY AND FIELD EXPERIMENTS ON JOB DESIGN
ASSESSING CLIMATE FOR ORGANIZATIONAL CHANGE
FOR THE PERIOD 07-28-83 THROUGH 09-30-84
AT A TOTAL COST OF $169,500.00
AWARD # NO0014-83-K-0653, MOD. 1
MSN BUS SCH OF BUSINESS (144-T497) 113,000.00

37. ENERGY, DEPT OF
ARGONNE, IL
EXPERIMENTAL AND THEORETICAL HIGH ENERGY PHYSICS
FOR THE PERIOD 04-01-80 THROUGH 12-31-84
AT A TOTAL COST OF $40,959,876.00
AWARD # DE-AC02-76ER00081, MOD. 23
MSN L&I PHYSICS (144-E164) 1,696,000.00

38. ENERGY, DEPT OF
OAK RIDGE, TN
DOE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM
FOR THE PERIOD 09-01-84 THROUGH 08-31-85
AWARD # DE-FGO5-84ER75165
MSN ENGR ENGR EXPER STA NUCL ENGR (144-W012) 210,000.00

39. ENERGY, DEPT OF
OAKLAND, CA
RESEARCH ON ACTIVE SOLAR PROCESSES
FOR THE PERIOD 09-26-84 THROUGH 09-26-85
AWARD # DE-FGO3-84SF15303
MSN ENGR ENGR EXPER STA SOLAR ENGR (144-W027) 100,000.00

40. SANDIA NATIONAL LABORATORIES
ALBUQUERQUE, NM
PRIME CONTRACTOR WITH DOE
S-BAND HMC FET MIXERS
FOR THE PERIOD 01-12-84 THROUGH 12-31-84
AT A TOTAL COST OF $28,955.00
AWARD # 47-6397, MOD. 1
MSN ENGR ENGR EXPER STA EL&COMPUT (144-U070) 6,000.00

41. MARTIN MARIETTA ENERGY SYSTEMS, INC.
OAK RIDGE, TN
PRIME CONTRACTOR WITH DOE
EFFECTS OF FUEL COMPOSITION ON IGNITION DELAY
IN HOMOGENEOUS CHARGE AND DIRECT INJECTION
COMPRESSION IGNITION ENGINES
FOR THE PERIOD 09-15-84 THROUGH 09-14-85
AWARD # PD-19X-89677V
MSN ENGR ENGR EXPER STA MECH ENGR (144-W016) 75,000.00

42. INTERIOR, DEPT OF
BOSTON, MA
RECONSTRUCTION OF PAST PH CHANGES IN DUCK POND,
S. WELLFLEET: FOSSIL/DIATOM ANALYSIS
FOR THE PERIOD 06-07-83 THROUGH 10-31-85
AT A TOTAL COST OF $5,000.00
AWARD # PX1600-3-0518, MOD. 1
MSN ENV ST CTR FOR CLIM RES (144-T424) 2,500.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

43. INTER, FISH AND WILDLIFE SERVICE
ST. PAUL, MN
MOVEMENT AND SURVIVAL OF CANADA GEESE OF THE
MISSISSIPPI VALLEY POPULATION
FOR THE PERIOD 10-01-81 THROUGH 09-30-85
AT A TOTAL COST OF $224,000.00
AWARD # 14-16-0003-82-005, MOD. 3
MSN AG&LSC N R-WILDLIF ECOL (144-R651) $56,000.00

44. INTER, FISH AND WILDLIFE SERVICE
WASHINGTON, DC
IN SUPPORT OF THE FOLLOWING:
1) ECOLOGY OF THE DOUBLE-CRESTED CORMORANT IN THE
APPOSTLE ISLANDS WITH SPECIAL EMPHASIS ON FOOD
HABITS AND DEPREDAIONS ABATEMENT
FOR THE PERIOD 08-01-83 THROUGH 06-15-85
AT A TOTAL COST OF $15,976.00
AWARD # 14-16-0009-1511-14, MOD. 2
MSN AG&LSC N R-WILDLIF ECOL (144-T719) $915.00

2) RAPTORIAL BIRD CONTROL
FOR THE PERIOD 09-26-84 THROUGH 09-06-85
AWARD # 14-16-0009-84-976
MSN AG&LSC N R-WILDLIF ECOL (144-W082) $5,000.00

45. NASA, GODDARD SPACE FLIGHT CENTER
GREENBELT, MD
IN SUPPORT OF THE FOLLOWING:
1) A SPACE TELESCOPE SCIENTIFIC INVESTIGATION USING
A HIGH SPEED PHOTOMETER
FOR THE PERIOD 03-02-78 THROUGH 01-31-85
AT A TOTAL COST OF $6,816,824.00
AWARD # NAS5-24487, MOD. 37
MSN GRAD SPACE SCI&ENG CT (144-L324) $77,314.00

2) SUPPORT OF HIGH RESOLUTION SPECTROGRAPH
FOR THE PERIOD 05-16-79 THROUGH 04-30-85
AT A TOTAL COST OF $207,000.00
AWARD # NAS5-25714, MOD. 10
MSN L&S AST-SPA AST LAB (144-M029) $25,000.00

3) ULTRAVIOLET STUDIES WITH THE IUE SATELLITE
FOR THE PERIOD 06-15-81 THROUGH 06-30-85
AT A TOTAL COST OF $273,460.00
AWARD # NAG5-186, MOD. 7
MSN L&S ASTRONOMY (144-Q873) $35,523.00

4) THE GEOMETRIC STRUCTURE OF ECLIPSING SYMBIOTIC
BINARIES
FOR THE PERIOD 08-01-83 THROUGH 10-14-85
AT A TOTAL COST OF $2,500.00
AWARD # NAG5-353, MOD. 1
MSN L&S ASTRONOMY (144-T489) $1,300.00
RESEARCH

5) DEPENDENCE OF WIND PROPERTIES ON LUMINOSITY CLASS FOR B STARS IN NGC 3293
    FOR THE PERIOD 07-01-84 THROUGH 06-30-85
    AT A TOTAL COST OF $10,251.00
    AWARD # NAG 5-423, MOD. 1
    MSN L&S ASTRONOMY (144-U542) 4,236.00

46. NASA, MARSHALL SPACE FLIGHT CENTER
    HUNTSVILLE, AL
    IN SUPPORT OF THE FOLLOWING:

    1) APPLICATIONS OF THE AVE-SESAME DATA SETS TO
       MESOSCALE STUDIES
       FOR THE PERIOD 05-13-80 THROUGH 11-30-84
       AT A TOTAL COST OF $757,338.00
       AWARD # NAS8-33799, MOD. 12
       MSN L&S ASTRONOMY (144-P477) 15,000.00

    2) WISCONSIN ULTRAVIOLET PHOTO-POLARIMETER EXPERIMENT
       FOR THE PERIOD 09-04-81 THROUGH 09-30-88
       AT A TOTAL COST OF $4,011,160.00
       AWARD # NAS5-26777, MOD. 16
       MSN L&S AST-SPA AST LAB (144-R418) 915,000.00

    3) DIAGNOSTICS OF OBSERVED AND NUMERICALLY SIMULATED
       EXTRATROPICAL CYCLONES (II)
       FOR THE PERIOD 06-15-81 THROUGH 04-30-86
       AT A TOTAL COST OF $648,099.00
       AWARD # ATM-8110678, MOD. 5
       MSN L&S SPACE SCI&ENG CT (144-R041) 72,453.00

47. NATIONAL SCIENCE FOUNDATION
    WASHINGTON, DC
    IN SUPPORT OF THE FOLLOWING:

    1) METEOROLOGY SUBACCOUNT
       FOR THE PERIOD 06-15-81 THROUGH 04-30-86
       AT A TOTAL COST OF $319,501.00
       AWARD # ATM-8110678, MOD. 4
       MSN L&S METEOROLOGY (144-R042) 197,547.00

    2) CONTROLLING ELEMENTS IN MAIZE: AN EXAMINATION OF
       THEIR EFFECT ON GENE FUNCTION
       FOR THE PERIOD 08-15-82 THROUGH 01-31-86
       AT A TOTAL COST OF $224,589.00
       AWARD # PCM-8207987, MOD. 3
       MSN AG&LSC GENETICS (144-S313) 66,043.00

    3) CONTINUED INVESTIGATION OF LOW INTENSITY EMISSION
       LINES FROM THE INTERSTELLAR MEDIUM
       FOR THE PERIOD 11-01-83 THROUGH 04-30-86
       AT A TOTAL COST OF $219,600.00
       AWARD # AST-8341377, MOD. 1
       MSN L&S PHYSICS (144-T886) 112,600.00
RESEARCH

4) LOW-RESOLUTION INTERACTIVE OCEAN-ATMOSPHERE GENERAL CIRCULATION MODELING FOR THE PERIOD 08-01-84 THROUGH 01-31-86 AWARD # ATM-8403033
MSN L&S METEOROLOGY (144-U592) 90,060.00

5) THE PERFORMANCE OF ALGORITHMS FOR SHARED RELATIONAL DATABASE SYSTEMS FOR THE PERIOD 09-01-84 THROUGH 02-28-87 AWARD # DCR-8402818
MSN L&S COMPUTER SCI (144-W010) 114,086.00

6) FUNDAMENTAL STUDIES IN APPLIED COMPUTER CONTROL FOR THE PERIOD 09-15-84 THROUGH 02-28-86 AWARD # CPE-8407196
MSN ENGR ENGR EXPER STA CHEM ENGR (144-W024) 77,490.00

7) ALKYLATION REACTIONS WITH ORGANOMETALLIC COMPOUNDS (CHEMISTRY) FOR THE PERIOD 09-01-84 THROUGH 02-28-86 AWARD # CHE-840648O
MSN L&S CHEMISTRY (144-W070) 82,000.00

8) MEDICAL IMAGING USING ELECTRICAL IMPEDENCE COMPUTED TOMOGRAPHY FOR THE PERIOD 10-01-84 THROUGH 03-31-86 AWARD # ECS-8407402
MSN ENGR ENGR EXPER STA EL&COMPUT (144-W086) 46,820.00

9) SPECTROSCOPIC STUDIES OF MIXED METAL OXIDE CATALYSTS DURING THEIR GENESIS AND USE FOR THE PERIOD 10-15-84 THROUGH 03-31-86 AWARD # CPE-8410387
MSN ENGR ENGR EXPER STA CHEM ENGR (144-W108) 87,000.00

48. MARINE BIOLOGICAL LABORATORY WOODS HOLE, MA PRIME CONTRACTOR WITH NSF RESPONSE OF ARCTIC FRESHWATER ECOSYSTEMS TO ENVIRONMENTAL STRESS FOR THE PERIOD 06-01-84 THROUGH 05-31-85 AWARD # P.O. #ADM84046-F
MSN L&S ZOOLOGY (144-U519) 16,994.00

49. STATE, AGENCY FOR INTERNATIONAL DEVELOP JAKARTA, INDONESIA INSTITUT PERTANIAN BOGOR GRADUATE SCHOOL DEVELOPMENT (LOAN) FOR THE PERIOD 05-01-80 THROUGH 03-31-85 AT A TOTAL COST OF $1,780,093.00 AWARD # 497-80-100.29, MOD. 4 MSN AG&LSC INTL AG PRGS-ADM (144-P573) 210,188.00

50. STATE, AGENCY FOR INTERNATIONAL DEVELOP WASHINGTON, DC IN SUPPORT OF THE FOLLOWING:
RESEARCH

1) EGYPTIAN INSTRUMENTATION TECHNOLOGY AND EQUIPMENT
(Deletion of equipment expense—Not enough time left to deliver)
For the period 06-14-82 through 09-30-85
At a total cost of $3,193,142.00
Award # NEB-0016-C-00-2036-00, Mod. 3
MSN ENGR ENGR EXPER STA INSTRN SYS (144-S187) 346,422.00-

2) LAND TENURE RESEARCH ACTIVITIES
For the period 04-01-84 through 03-31-88
At a total cost of $636,000.00
Award # DAN-5301-A-00-4033-00, Mod. 2
MSN AG&LSC LAND TENURE CTR (144-U329) 139,000.00

3) LAND REGISTRATION AND TITLING IN AFRICA
For the period 04-01-84 through 03-31-88
At a total cost of $20,712.00
Award # DAN-5301-A-00-4033-00, Mod. 2
MSN AG&LSC LAND TENURE CTR (144-U947) 4,712.00

51. UNIVERSITY OF ARIZONA
TUCSON, AZ
Prime contractor with state aid
CAPE VERDE-FOOD CROP RESEARCH
For the period 10-21-83 through 12-31-84
At a total cost of $101,512.00
Award # P.O. #018054, Mod. 1
MSN AG&LSC INTL AG PRGS-ADM (144-U086) 10,796.00

52. VETERANS ADMIN
MADISON, WI
Salary support of RA to prepare radiolabelled
fluoromethane
For the period 01-24-83 through 12-31-84
Award # 607/D4C398, Mod. 6
MSN HS-MED MEDICAL PHYSICS (144-S852) 3,626.06

53. MULTIPLE DONORS
KIDNEY DISEASE RESEARCH
MSN HS-MED MEDICINE (133-A081) 15.00

54. MULTIPLE DONORS
JOHN NICHOLS CORN BREEDING RESEARCH FUND
MSN AG&LSC AGRONOMY (133-A235) 24.97

55. CANCER RESEARCH - MCARDLE MEMORIAL LABORATORY
MSN HS-MED ONCOLOGY (133-A250)

50.00 MULTIPLE DONORS
360.00 MULTIPLE DONORS IN MEMORY OF WAYNE THOMPSON
155.00 MULTIPLE DONORS IN MEMORY OF MARILYN B. RITZMAN
145.00 MULTIPLE DONORS
70.00 MULTIPLE DONORS

780.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

56. MULTIPLE DONORS
   CANCER RESEARCH
   MSN HS-MED (133-A251) 50.00

57. HEART RESEARCH
    MSN HS-MED (133-A252)
    40.00 MULTIPLE DONORS
    387.00 MULTIPLE DONORS IN MEMORY OF
    STEVE STURLAUGSON
    427.00

58. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    DEPARTMENT OF MEDICINE RESEARCH AND DEVELOPMENT
    FUND
    MSN HS-MED MEDICINE (133-A525) 12,683.00

59. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    DEPARTMENT OF ANESTHESIOLOGY RESEARCH AND
    DEVELOPMENT FUND
    MSN HS-MED ANESTHESIOLOGY (133-A532) 10,219.00

60. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    RADIATION ONCOLOGY RESEARCH & DEVELOPMENT FUND
    MSN HS-MED HUMAN ONCOLOGY RAD THERAP (133-A536) 62,000.00

61. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    WISCONSIN ELECTRIC UTILITIES RESEARCH FOUNDATION
    PROFESSORSHIP IN ENERGY ENGINEERING
    MSN ENGR ENGR EXPER STA EL&COMPUT (133-A816) 30,000.00

62. MULTIPLE DONORS
    CLINICAL STUDY OF COUMADIN AND PERSANTINE THERAPY
    FOR GLOMERULONEPHROPATHIES
    MSN HS-MED MEDICINE NERHOLOGY (133-A890) 698.00

63. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    CARDIOPULMONARY STUDIES
    MSN AG&LSC VETERINARY SCI (133-B408) 1,200.00

64. FIELD CROP DISEASES
    MSN AG&LSC PLANT PATHOLOGY (133-B522)
    10,000.00 MONSANTO COMPANY
    500.00 MULTIPLE DONORS
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### GIFTS, GRANTS AND CONTRACTS

**NOV 09, 1984**

**UNIVERSITY OF WISCONSIN - MADISON**

**RESEARCH**

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| 76 | MAYER (HAZEL MAE) TRUST  
    MILWAUKEE, WI  
    RESEARCH IN PULMONARY PATHOPHYSIOLOGY  
    MSN HS-MED PREVENTIVE MED (133-D367) 7,000.00 |
| 77 | WINTHROP LABORATORIES  
    NEW YORK, NY  
    WINTHROP RESEARCH FELLOW IN NEURORADIOLOGY  
    MSN HS-MED RADIOLOGY (133-D368) 25,000.00 |
| 78 | UNIVERSITY OF WISCONSIN FOUNDATION  
    MADISON, WI  
    WOMEN’S STUDIES RESEARCH CENTER  
    MSN L&S WOMEN’S STUDIES RESEARCH CTR (133-D392) 7,400.00 |
| 79 | SURFACE AREA STUDIES  
    MSN HS-PHR PHARMACY (133-D484) 1,000.00  
    1,250.00 RORER (WILLIAM H), INC.  
    FORT WASHINGTON, PA  
    2,250.00 MULTIPLE DONORS |
| 80 | MULTIPLE DONORS  
    KIDNEY AND DIABETES RESEARCH  
    MSN HS-HSP ADMINISTRATION ADMIN (133-D527) 102.88 |
| 81 | MULTIPLE DONORS  
    SPECIAL COAGULATION STUDY  
    MSN HS-MED MEDICINE HEMATOLOGY (133-D535) 125.00 |
| 82 | UNIVERSITY OF WISCONSIN FOUNDATION  
    MADISON, WI  
    VITAMIN D RESEARCH  
    MSN AG&LSC BIOCHEMISTRY (133-D547) 3,600.00 |
| 83 | ICI AMERICAS INC.  
    WILMINGTON, DE  
    ICI AMERICAS ANTI-ESTROGEN  
    MSN HS-MED HUMAN ONCOLOGY (133-D589) 3,316.25 |
| 84 | WISCONSIN TURFGRASS ASSOCIATION  
    MARSHALL, WI  
    INSECT PEST MANAGEMENT  
    MSN AG&LSC ENTOMOLOGY (133-D617) 3,100.00 |
| 85 | ALCON LABORATORIES, INC.  
    FORT WORTH, TX  
    DRUG DELIVERY AND ARTIFICIAL TEARS  
    MSN HS-PHR PHARMACY (133-D621) 5,000.00 |
| 86 | MADISON GENERAL HOSPITAL  
    MADISON, WI  
    DEFRAY SALARY COST OF ASSISTANT SCIENTIST  
    MSN HS-MED PEDIATRICS (133-D678) 5,265.94 |
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<td>94</td>
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<td>TEST THE EFFECTIVENESS OF A BACTERIAL ADDITIVE ON CORN SILO FERMENTATION</td>
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<td>EFFECTS OF ANESTHETIC AGENTS ON AIRWAY SMOOTH MUSCLE</td>
<td>(133-E473)</td>
<td>1,750.00</td>
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98. MULTIPLE DONORS
SUPPORT STUDENT HOURLY HELP IN PROJECT RESEARCH INVOLVING THE COURTSHIP AND PARENTAL CARE INTERACTIONS IN FISHES
MSN L&S ZOOLOGY (133-E707) 200.00

99. TOXIC SHOCK SYNDROME RESEARCH
MSN AG&LSC FOOD MICRO&TOXIC (133-E869)
5,000.00 TAMBRANDS
LAKE SUCCESS, NY
16,250.00 PERSONAL PRODUCTS
MILLTOWN, NJ
21,250.00

100. KIMBERLY-CLARK CORPORATION
NEENAH, WI
TESTING AND EVALUATION OF NOVEL VIRUCIDAL COMPOSITIONS FOR THE PERIOD 10-01-81 THRU 10-01-85 AT A $188,063 LEVEL
AWARD # P.O. #KW 31121-1
MSN GRAD BIOPHYSICS (133-E877) 56,063.00

101. ABLEX PUBLISHING CORPORATION
NORWOOD, NJ
EDITORIAL SUPPORT FOR "LIBRARY RESEARCH": AN INTERNATIONAL JOURNAL
MSN L&S LIB&INF ST (133-E910) 1,500.00

102. MERCK SHARPE AND DOHME
RAHWAY, NJ
DESIGNING AND SYNthesizing NEW CLASSES OF COMPOUNDS THAT INHIBIT THERAPEUTICALy IMPORTANT ENZYMES BY TRANSITION STATE ANALOG MECHANISMS
MSN HS-PHR PHARMACY (133-E965) 20,000.00

103. BELL LABORATORIES, INC.
MADISON, WI
RESEARCH AND DEVELOPMENT OF ANTICOAGULANT RODENTICIDES
MSN HS-PHR PHARMACY (133-F032) 10,220.00

104. BADGER METER, INC
MILWAUKEE, WI
POLYMER PROCESSING CONSORTIUM
MSN ENGR ENGR EXPER STA MECH ENGR (133-F064) 15,000.00

105. MULTIPLE DONORS
GENERAL RESEARCH
MSN HS-PHR PHARMACY (133-F090) 60.00

106. UNIVERSITY PSYCHIATRY GROUP
MADISON, WI
EXPOSURE THERAPIST SALARY SUPPORT
MSN HS-MED PSYCHIATRY (133-F119) 6,951.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

107. CONOCO INC.
PONCA CITY, OK
ROCK PHYSICS RESEARCH FOR THE PERIOD
01-01-82 THRU 08-31-85 AT A $48,000 LEVEL
MSN L&S GEO & GEOPHYSICS 133-F192 18,000.00

108. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
PRACTICAL REACTION ENGINEERING
MSN ENGR ENGR EXPER STA CHEM ENGR 133-F201 25,208.54

109. MOTOR-VEHICLE LABORATORY RESEARCH PROGRAM
MSN ENGR ENGR EXPER STA EL&COMPUT 133-F282
10,000.00 UNIVERSITY OF WISCONSIN FOUNDATION
4,000.00 Aisin Seiki Co., Ltd.
MADISON, WI LIVONIA, MI

110. U.S. COMMITTEE FOR SCIENTIFIC COOPERATION
WITH VIETNAM
FULLERTON, CA
PROGRAM FOR THE DEVELOPMENT OF A PREVENTIVE HEALTH
SERVICE PROGRAM FOR VIETNAM
MSN HS-MED PREVENTIVE MED 133-F298 1,810.42

111. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
MARKETING MEASUREMENT THEORY PROJECT
MSN BUS SCH OF BUSINESS 133-F353 19,000.00

112. MULTIPLE DONORS
GENERAL FRUIT RESEARCH ACTIVITIES AT THE
PENINSULAR STATION
MSN AG&LSC EXP STA-PENINSLR 133-F369 20.00

113. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
3M POLYMER RESEARCH
MSN ENGR ENGR EXPER STA CHEM ENGR 133-F377 11,000.00

114. AMERICAN LEGAL HISTORY, 1870-1950
MSN LAW LAW SCHOOL 133-F405
7,105.00 MICHIGAN (UNIVERSITY OF)
550.00 MULTIPLE DONORS
ANN ARBOR, MI

115. MULTIPLE DONORS
GENERAL RESEARCH
MSN AG&LSC FOOD SCIENCE 133-F506 410.00
116. MERCK SHARPE AND Dohme
WEST POINT, PA
CONTROLLED MULTICENTER STUDY TO EVALUATE THE
ANTIHYPTERTENSIVE EFFECTS OF HCTZ, MK-421 OR
CAPTOPRIL IN HYPERTENSION
MSN HS-MED PHARMACOLOGY
(133-F523) 19,173.33

117. NATIONAL KIDNEY FOUNDATION OF WISCONSIN, INC.
WAUWATOSA, WI
ISCHEMIC ACUTE RENAL FAILURE IN THE ISOLATED
PERFUSED RAT KIDNEY
MSN HS-MED MEDICINE
(133-F527) 3,000.00

118. SHELL COMPANIES FOUNDATION INCORPORATED
HOUSTON, TX
SHELL DOCTORAL FELLOWSHIP
MSN L&S GEOL & GEOPHYSICS
(133-F585) 12,521.00

119. WISC DEPT OF ADMINISTRATION
MADISON, WI
DEVELOPMENT OF A VDT USER GUIDE FOR THE PERIOD
10-01-82 THRU 12-31-84
AWARD # P.O.# ADC-01077
MSN HS-MED PREVENTIVE MED
(133-F593) 7,700.00

120. MIDWEST BREEDERS COOPERATIVE
SHAWANO, WI
GENETIC IMPROVEMENT OF RESISTANCE TO MASTITIS IN
DAIRY CATTLE
MSN AG&LSC DAIRY SCIENCE
(133-F603) 4,125.00

121. NELSON INDUSTRIES, INC.
STOUGHTON, WI
ELECTROACOUSTICS RESEARCH
MSN ENGR ENGR EXPER STA EL&COMPUT
(133-F648) 3,000.00

122. EASTERN ARTIFICIAL INSEMINATION COOPERATIVE, INC.
ITHACA, NY
VIRAL INFECTIONS OF THE GENITAL TRACT
MSN VET M PATHOBIOLOGICAL SCI
(133-F663) 10,580.00

123. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
MODERNIZATION OF LAND INFORMATION AND RECORD
SYSTEMS
MSN AG&LSC NR-LANDSCAP ARCH
(133-F705) 14,718.00

124. MICROSURGERY RESEARCH TRAINING FUND
MSN HS-MED SURGERY
(133-F729) 1,600.00 UNIVERSITY OBSTETRICS-GYNECOLOGY-ASSOCIATES
MADISON, WI
1,050.00 MADISON OBSTETRICS & GYNECOLOGY - LTD.
MADISON, WI
2,650.00
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- **125. UNIVERSITY OF WISCONSIN FOUNDATION**
  - MADISON, WI
  - **BIOENGINEERING RESEARCH**
  - MSN HS-MED ANESTHESIOLOGY (133-F745) 3,000.00

- **126. UNIVERSITY OF WISCONSIN FOUNDATION**
  - MADISON, WI
  - **DEFRAY COST OF SALARY AND FRINGE BENEFITS FOR RESEARCH FELLOW**
  - MSN HS-MED ANESTHESIOLOGY (133-F750) 9,000.00

- **127. UNIVERSITY OF WISCONSIN FOUNDATION**
  - MADISON, WI
  - **LAB ADVISORY COMMITTEE RESEARCH AWARDS**
  - MSN HS-MED HUMAN ONCOLOGY (133-F811) 22,900.00

- **128. GIBCO DIVISION**
  - DEXTER CORPORATION, CHAGRIN FALLS, OH
  - **BASIC GENETICS RESEARCH**
  - MSN AG&LSC GENETICS (133-F908) 3,500.00

- **129. UNIVERSITY OF WISCONSIN FOUNDATION**
  - MADISON, WI
  - **COON VALLEY NORSKEDALEN**
  - MSN AG&LSC NR-LANDSCAP ARCH (133-F909) 625.00

- **130. MULTIPLE DONORS**
  - **BONE MARROW TRANSPLANTATION RESEARCH**
  - MSN HS-MED PEDIATRICS (133-F923) 55.00

- **131. WATERTOWN (CITY OF)**
  - **APPLIED WATER POLLUTION RESEARCH CONSORTIUM**
  - MSN ENGR ENGR EXPER STA CIVIL&ENV (133-F935) 750.00

- **132. PFIZER, INC.**
  - **PHARMACEUTICALS DIVISION**
  - NEW YORK, NY
  - **DOUBLE BLIND PARALLEL COMPARATIVE MULTIPLE SITE STUDY OF SAFETY AND EFFICACY OF 2-DEOXY-D-GLUCOSE IN TREATMENT OF PRIMARY HERPES SIMPLEX VIRUS INFECTIONS OF FEMALES AT A $47,000.34 LEVEL**
  - MSN HS-MED MEDICINE INFECT DIS (133-G095) 32,000.34

- **133. MULTIPLE DONORS**
  - **ANATOMICAL RESEARCH**
  - MSN HS-MED SURGERY (133-G101) 300.00

- **134. RHODE ISLAND (UNIVERSITY OF)**
  - KINGSTON, RI
  - **CONSORTIUM FOR THE DEVELOPMENT OF TECHNOLOGY**
  - MSN AG&LSC FOOD SCIENCE (133-G102) 1,050.00
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135. UNIVERSITY OF WISCONSIN FOUNDATION  
MADISON, WI  
PROGRAM ENHANCEMENT FOR THE CARDIOLOGY SECTION  
OF THE DEPARTMENT OF MEDICINE  
MSN HS-MED MEDICINE CARDIOLOGY (133-G105) 100,000.00

136. AISIN SEIKI CO., LTD.  
LIVONIA, MI  
CONTINUOUSLY VARIABLE TRANSMISSION  
MSN ENGR ENGR EXPER STA EL&COMPUT (133-G167) 1,000.00

137. WEISS (LEONARD W)  
MADISON, WI  
MISCELLANEOUS RESEARCH EXPENSE  
MSN L&S ECONOMICS (133-G171) 300.00

138. MADISON METROPOLITAN SEWERAGE DISTRICT  
MADISON, WI  
BIODEGRADATION OF PCB'S IN ORGANIC SLUDGE  
MSN ENGR ENGR EXPER STA CIVIL&ENV (133-G272) 500.00

139. SIEMENS  
ISELIN, NJ  
DUAL ENERGY PROJECT  
MSN HS-MED RADIOLOGY (133-G284) 5,200.00

140. RUNYON (DAMON) - WINCHELL (WALTER) CANCER FUND  
NEW YORK, NY  
POSTDOCTORAL FELLOWSHIP FOR THE PERIOD  
10-01-83 THRU 09-30-85 AT A $35,000 LEVEL  
AWARD # DRG-694  
MSN AG&LSC BACTERIOLOGY (133-G329) 18,000.00

141. GENERAL ELECTRIC COMPANY  
RICHMOND HEIGHTS, OH  
CRITICAL CURRENT EVALUATION OF NMR CONDUCTORS  
AWARD # 7240-77286-2,7640-34525-5  
MSN ENGR ENGR EXPER STA MET & MIN (133-G332) 838.75

142. AGRIGENETICS CORPORATION  
MADISON, WI  
DEFRAY COST OF MAGNET FOR NEW HIGH RESOLUTION  
MASS SPECTROMETER  
MSN AG&LSC BIOCHEMISTRY (133-G347) 5,000.00

143. DERSE & SCHROEDER ASSOCIATES LTD.  
MADISON, WI  
PSYLLIUM LAXATIVE STUDY  
MSN AG&LSC NUTRITIONAL SCI (133-G365) 12,000.00

144. MICROBIOLOGICAL ASSOCIATES  
UNIT OF WHITTAKER CORPORATION  
BETHESDA, MD  
DROSOPHILA SLRL STUDIES  
MSN L&S ZOOLOGY (133-G367) 28,400.00
145. Dow Corning Corporation
   Midland, MI
   Fellowship in Chemical Engineering
   MSN Engr Engr Exper Sta Chem Engr (133-G552) 16,900.00

146. Wisconsin Rural Rehabilitation Corporation
   Madison, WI
   Increased Beef Production from the Wisconsin Dairy and Grain Industries
   MSN Ag&Lsc Meat& Animal Sci (133-G553) 2,500.00

147. Pfizer, Inc.
   Groton, CT
   Multi-Clinic Study of the Effects of Sorbinil Compared to Placebo on the Development of Diabetic Retinopathy and Neuropathy-Reading Center at a $276,966.00 Level
   MSN HS-Med Ophthalmology (133-G555) 140,934.00

148. Study Transformation of Health Services in the 1980's Illustrations from Dane County, WI
   MSN HS-Med Fam Med & Pract (133-G556)
   5,000.00 Multiple Donors
   2,000.00 Group Health Cooperative of South Central Wisconsin, Madison, WI

149. McDonald's Corporation
   Oak Brook, IL
   Control of Food-Borne Pathogens
   MSN Ag&Lsc Food Micro&Toxic (133-G561) 2,000.00

150. Wisconsin Dept of Transportation
   Madison, WI
   Employee Interchange Agreement for the Period 08-29-83 Thru 12-23-84 at a $12,189.71 Level
   Award # P.O. # TRE02319
   MSN Bus Sch of Business (133-G594) 2,838.20

151. Wisconsin Pork Producers
   Lancaster, WI
   Effect of Fat Supplementation of the Newborn Piglet on Glycogen Utilization and the Rate of Protein Breakdown
   MSN Ag&Lsc Meat& Animal Sci (133-G605) 2,300.00

152. Amyotrophic Lateral Sclerosis Society of America
   Sherman Oaks, CA
   Thyrotropin-Releasing Hormone Treatment of Murine Neurotropic Retrovirus Induced Motor Neuron Disease: A Clinical Electrophysiological Pathological and Biochemical Study for the Period 01-01-84 Thru 12-31-84 at a $40,902.00 Level
   MSN Hs-Med Neurology (133-G631) 20,902.00
### GIFTS, GRANTS AND CONTRACTS
#### UNIVERSITY OF WISCONSIN - MADISON

#### RESEARCH

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<td>Neurology Clinical Practice Plan OF AFFILIATED UNIVERSITY PHYSICIANS BIOFEEDBACK CLINIC SUPPORT</td>
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<td>Sterling-Winthrop Research Institute</td>
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<td>HS-MED PATHOL &amp; LAB MED ANAT PATH</td>
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<td>WISC DEPT OF HEALTH AND SOCIAL SERVICES EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 04-01-84 THRU 03-31-85 AT A $46,708.50 LEVEL</td>
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162. KIMBERLY-CLARK CORPORATION
    ROSEWELL, GA
    EVALUATION OF MILK FILTER MEDIA
    MSN AG&LSC FOOD SCIENCE (133-G928) 4,125.00

163. MULTIPLE DONORS
    LEUKEMIA HEMATOLOGY RESEARCH FUND
    MSN HS-MED HEMATOLOGY (133-G947) 80.00

164. RESOURCES MANAGEMENT INTERNATIONAL, INC.
    WASHINGTON, DC
    RESEARCH ON BARK AND AMBROSIA BEETLES
    MSN AG&LSC ENTOMOLOGY (133-G981) 566.64

165. UPJOHN COMPANY
    KALAMAZOO, MI
    RESEARCH PROGRAM SUPPORT
    MSN L&S ZOOLOGY (133-G988) 1,500.00

166. SOAP & DETERGENT ASSOCIATION
    NEW YORK, NY
    RESEARCH IN SANITARY ENGINEERING
    MSN ENGR ENGR EXPER STA CIVIL&ENV (133-H006) 500.00

167. GLAXO INC.
    RESEARCH TRIANGLE PARK, NC
    DOUBLE-BLIND PARALLEL STUDY OF EFFICACY OF
    ALBUTEROL ROTOCAPS VERSUS ALBUTEROL AEROSOL
    IN CHRONIC REVERSIBLE OBSTRUCTIVE AIRWAY DISEASE
    MSN HS-MED MEDICINE ALLRGY&IMM (133-H014) 16,142.00

168. WISCONSIN GINSENG GROWERS ASSOCIATION, INC.
    WAUSAU, WI
    RESEARCH ON REGISTRATION OF PESTICIDES ON GINSENG
    MSN AG&LSC PLANT PATHOLOGY (133-H036) 3,000.00

169. MULTIPLE DONORS
    NATURAL HISTORY COUNCIL AWARD
    MSN L&S ZOOLOGY (133-H119) 40.00

170. GLAXO INC.
    RESEARCH TRIANGLE PARK, NC
    SINGLE DOSE, DOUBLE BLIND, PLACEBO-CONTROLLED
    CROSSOVER STUDY OF THE EFFICACY OF ALBUTEROL
    AEROSOL AGAINST EXERCISE-INDUCED BRONCHOSPASM
    IN TRAINED ATHLETES
    MSN HS-MED MEDICINE ALLRGY&IMM (133-H129) 6,270.00

171. NAUTILUS RESEARCH CORPORATION
    MADISON, WI
    AN EVALUATION OF STOOL CHARACTERISTICS OF TWO
    DOSAGE REGIMENS OF A NEW BULK LAXATIVE VS. PLACEBO
    IN NORMAL HEALTHY HUMAN VOLUNTEERS
    MSN HS-MED MEDICINE GASTROENT (133-H206) 12,703.00
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172. SCHERING CORPORATION
KENILWORTH, NJ
USE OF A NEW ANTIHISTAMINE (SCH 29851) IN TREATMENT OF ALLERGIC RHINITIS
MSN HS-MED MEDICINE ALLRGY&IMM (133-H207) 12,019.15

173. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
ELECTRIC POWER SYSTEM RESEARCH
MSN ENGR ENGR EXPER STA EL&COMPUT (133-H209) 2,100.00

174. MULTIPLE DONORS
PEDIATRIC CHAIRMAN’S DISCRETIONARY FUND
MSN HS-MED PEDIATRICS (133-H233) 200.00

175. LITTON INSTITUTE OF APPLIED BIOTECHNOLOGY
KENSINGTON, MD
SPECIFIC IMMUNOTHERAPY OF CANCER - EST 5283 AT A $30,000 LEVEL
MSN HS-MED SURGERY GEN SURG (133-H280) 3,000.00

176. WISC DEPT OF NATURAL RESOURCES
MADISON, WI
EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD 06-04-84 THRU 12-31-84 AT A $2,323 LEVEL
MSN L&S LIB&INF ST (133-H284) 598.00

177. WISC DEPT OF INDUSTRY LABOR AND HUMAN RELATIONS
MADISON, WI
GROUNDWATER MOUNDING UNDER A LARGE SCALE WASTEWATER SOIL ABSORPTION STUDY FOR THE PERIOD 06-01-84 THRU 08-31-85 - AWARD # P.O. #ILE-00981
MSN AG&LSC NR-RSRC POLICY SS WASTE-G (133-H328) 14,041.00

178. MULTIPLE DONORS
DICTIONARY OF AMERICAN REGIONAL ENGLISH MATCHING
MSN L&S ENGLISH (133-H337) 100.00

179. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
PHASE DIAGRAM AND THERMODYNAMIC STUDIES
MSN ENGR ENGR EXPER STA MET & MIN (133-H350) 5,000.00

180. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
WALDEN PARK
MSN AG&LSC NR-LANDSCAP ARCH (133-H363) 303.73

181. GEOSYSTEM S.R.L.
MILAN, ITALY
STRAITS OF MESSINA SEISMIC PROJECT, PHASE 2: EXPLOSION STUDY
MSN L&S GEOL & GEOPHYSICS GEO&POL R (133-H424) 31,580.00
UNIVERSITY OF WISCONSIN - MADISON

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182. SIMON (JENNIFER JONES) FOUNDATION
FOR MENTAL HEALTH AND EDUCATION
PASADENA, CA
U.W. CYCLOTRON ACQUISITION FUND
MSN HS-MED MEDICAL PHYSICS (133-H461) 32,500.00

183. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
AMOCO FOUNDATION FELLOWSHIP
MSN AG&LSC BIOCHEMISTRY (133-H475) 14,656.00

184. WISC DEPT OF TRANSPORTATION
MADISON, WI
ASSESSING THE IMPACT OF PUBLIC INVESTMENT IN
TRANSPORTATION ON WISCONSIN'S ECONOMY FOR THE
PERIOD 08-27-84 THRU 06-30-85
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MSN L&S URBAN & REG PLAN (133-H485) 27,238.00

185. OFFICE OF THE STATE PUBLIC DEFENDER
MADISON, WI
EMPLOYEE INTERCHANGE AGREEMENT FOR THE PERIOD
08-27-84 THRU 05-26-85
MSN L&S SOCIAL WORK (133-H493) 11,883.97

186. SMITH, KLINE, AND FRENCH LABORATORIES
PHILADELPHIA, PA
"ANCEF" STUDY, AF-101
MSN HS-MED MEDICINE INFECT DIS (133-H495) 26,685.00

187. AMERICAN BAR FOUNDATION
CHICAGO, IL
HISTORY OF PROCESS OF DEVELOPMENT OF NEW
MODEL RULES OF PROFESSIONAL CONDUCT BY ABA
MSN LAW LAW SCHOOL (133-H524) 20,000.00

188. ELECTRIC POWER RESEARCH INSTITUTE
PALO ALTO, CA
INDOOR AIR QUALITY MODELING FOR EXPOSURE
ASSESSMENT FOR THE PERIOD 09-11-84 THRU 03-31-85
AWARD # RP2378-12
MSN ENV ST CT HUMAN SYSTEMS (133-H542) 39,150.00

189. UNIVERSITY OF WISCONSIN FOUNDATION
MADISON, WI
SHAW FUND RESEARCH SUPPORT
MSN GRAD ADMINISTRATION ADMIN (133-H543) 10,000.00

190. RADIATION MEASUREMENTS INCORPORATED
MIDDLETON, WI
RESEARCH AND DEVELOPMENT IN DIAGNOSTIC RADIOLOGY
PHYSICS FOR THE PERIOD 10-01-84 THRU 09-30-85
MSN HS-MED MEDICAL PHYSICS (133-H544) 10,000.00

191. GRAYSON FOUNDATION, INC.
LEXINGTON, KY
AN ENDOSCOPIC, ELECTROPHYSIOLOGIC AND HISTOLOGIC
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MSN VET M MEDICAL SCIENCES (133-H545) 17,050.00
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<td>Northridge, CA</td>
<td>Publication Support for &quot;The Life and Thought of Josiah Royce&quot; by John Cledenning</td>
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<td>Wisc Dept of Development</td>
<td>Madison, WI</td>
<td>Employee Interchange Agreement for the Period 09-24-84 Thru 01-11-85</td>
<td>PUBL POL&amp;ADM RES (133-H554)</td>
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<td>198</td>
<td>Abbott Laboratories</td>
<td>North Chicago, IL</td>
<td>Hormone Receptor Research</td>
<td>HS-MED HUMAN ONCOLOGY (133-H556)</td>
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<td>National Kidney Foundation of Wisconsin, Inc</td>
<td>Wauwatosa, WI</td>
<td>Studies of the Possible Role of Reactive Oxygen Metabolites in Allograft Rejection</td>
<td>HS-MED PATHOL &amp; LAB MED ANAT PATH (133-H557)</td>
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<td>Brady (W H) Co.</td>
<td>Milwaukee, WI</td>
<td>Thin Film Device Research</td>
<td>ENGR ENGR EXPER STA EL&amp;COMPUPUT (133-H561)</td>
<td>49,900.00</td>
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<td>201</td>
<td>Sterling-Winthrop Research Institute</td>
<td>Rensselaer, NY</td>
<td>Safety and Efficacy of Tornalate (Bitolterol) in the Treatment of Childhood Asthma</td>
<td>HS-MED MEDICINE ALLRGY&amp;IMM (133-H563)</td>
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## GIFTS, GRANTS AND CONTRACTS
**NOV 09, 1984**

### RESEARCH

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<td>LILLY (ELI) AND COMPANY</td>
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<td>AMERICA-MIDEAST EDUCATIONAL &amp; TRAINING SERVICES, INC.</td>
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GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

212. INTERNATIONAL MINERALS & CHEMICAL CORPORATION
TERRE HAUTE, IN
EFFECTS OF RALGRO ON PERFORMANCE AND CARCASS
CHARACTERISTICS OF HOLSTEIN STEERS
MSN AG&LSC MEAT& ANIMAL SCI (133-H601) 6,000.00

213. SORENSEN (DR. AAGE B)
MADISON, WI
COMPLETION OF SOCIAL CHANGE AND
AGE GRADED LIFE EVENTS PROJECT
MSN GRAD INST-AGING&ADULT (133-H603) 4,727.00

214. VIRAL ANTIGENS, INC.
MEMPHIS, TN
TESTING DIAGNOSTIC REAGENT FOR DETERMINATION
OF ANTIBODY TO PSEUODABIES
MSN VET M PATHOBIOLOGICAL SCI (133-H604) 1,300.00

215. LILLY RESEARCH LABORATORIES
INDIANAPOLIS, IN
STAPHYLOCOCCUS SURVEILLANCE STUDY
MSN HS-MED MEDICINE INFECT DIS (133-H608) 3,500.00

216. MULTIPLE DONORS IN MEMORY OF
LARRY HALE
LEUKEMIA RESEARCH
MSN HS-MED (133-H609) 500.00

217. POTASH CORPORATION OF SASKATCHEWAN
SASKATOON, SASKATCHEWAN, CANADA
SOIL COMPACTION AND PLANT NUTRIENT INTERACTION
MSN AG&LSC SOIL SCIENCE (133-H610) 10,500.00

218. WISCONSIN SOCIETY FOR JEWISH LEARNING, INC.
MILWAUKEE, WI
PARTIAL PUBLICATION SUPPORT FOR "EGYPTIAN
LOVE SONGS" BY MICHAEL V. FOX
MSN GRAD U W PRESS (133-H611) 1,000.00

219. WHIRLPOOL CORPORATION
BENTON HARBOR, MI
BRUSHLESS DC MOTOR SYSTEM CONTROL
MSN ENGR ENGR EXPER STA EL&COMPUT (133-H613) 13,810.00

220. WHIRLPOOL CORPORATION
BENTON HARBOR, MI
MODELING OF A DIRECT CURRENT ELECTRIC MOTOR DRIVE
MSN ENGR ENGR EXPER STA EL&COMPUT (133-H614) 13,810.00

221. BOEHRINGER INGELHEIM LTD.
CHICAGO, IL
PHASE I STUDY OF METHOTREXATE AND DIPYRIDAMOLE
MSN HS-MED HUMAN ONCOLOGY CLIN ONCOCL (133-H690) 10,000.00

222. ALCOHOLIC BEVERAGE MEDICAL RESEARCH FOUNDATION
Baltimore, MD
CEREBROSPINAL FLUID CATECHOLAMINE MEASURES AND
ALCOHOL CONSUMPTION IN MONKEYS FOR THE PERIOD
01-01-85 THRU 12-31-85
MSN HS-PSY PSYCHIATRIC INST (133-H691) 25,500.00
UNIVERSITY OF WISCONSIN - MADISON

RESEARCH

223. WESTINGHOUSE ELECTRIC CORPORATION
PITTSBURGH, PA
TURBULENT CONDENSATION HEAT TRANSFER
AWARD # P.O. #546-BSM-454769-SN
MSN ENGR ENGR EXPER STA NUCL ENGR (133-H692) 37,500.00

224. INTERNATIONAL BUSINESS MACHINES CORPORATION
DEUTSCHLAND GMBH
STUTTGART, FEDERAL REPUBLIC OF GERMANY
STUDIES IN NUMERICAL INTEGRATION USING AUTOMATIC DIFFERENTIATION AND AN OPTIMAL COMPUTER ARITHMETIC
FOR THE PERIOD 10-15-84 THRU 08-31-85
MSN L&S MATH RES CTR (133-H695) 23,615.00

225. GENERAL MOTORS CORPORATION
WARREN, MI
DIE AND MOLD MANUFACTURING CELL RESEARCH
AWARD # P.O. #PM00753
MSN ENGR ENGR EXPER STA MECH ENGR (133-H696) 49,480.00

226. WORLD HEALTH ORGANIZATION
GENEVA, SWITZERLAND
ANIMAL MODELS FOR STUDY OF VIRULENCE AND PROTECTIVE IMMUNITY
MSN HS-MED MED MICROBIOLOGY (133-H697) 20,000.00

227. AGDIA, INC.
GRANGER, IN
RESEARCH ON VIRUSES IN POTATOES: POTATO SPINDLE TUBER VIROID, RINGROT
MSN AG&LSC PLANT PATHOLOGY (133-H698) 1,000.00

228. AMERICAN NURSES’ FOUNDATION, INC.
KANSAS CITY, MO
1-25 DIHYDROXYVITAMIN D OF MOTHER/DAUGHTER PAIRS FOR THE PERIOD 10-01-84 THRU 09-30-85
MSN HS-NUR (133-H700) 2,500.00

229. AMERICAN SOCIETY OF PREVENTIVE ONCOLOGY
MEMORIAL SLOAN-KETTERING CANCER CENTER
NEW YORK, NY
ADMINISTRATIVE SUPPORT FOR THE AMERICAN SOCIETY OF PREVENTIVE ONCOLOGY FOR THE PERIOD 07-01-84 THRU 06-30-85
MSN HS-MED HUMAN ONCOLOGY CAN C-REGN (133-H702) 9,008.00

230. STUDY OF BASIC AND CLINICAL ASPECTS OF EXPERIMENTAL FLUORINE TOXICOSIS
MSN AG&LSC BIOCHEMISTRY (133-3220) 4,000.00 ARCO METALS COMPANY ARLINGTON HEIGHTS, IL 8,000.00
## GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

### UNIVERSITY OF WISCONSIN - MADISON

### RESEARCH

231. **MULTIPLE DONORS IN MEMORY OF HEIDI LUDWIG**  
LEUKEMIA RESEARCH-DEPARTMENT OF PEDIATRICS  
MSN HS-MED PEDIATRICS (133-3535)  
800.00

232. **MULTIPLE DONORS**  
UNRESTRICTED FUND TO BE USED AT THE DISCRETION OF THE CHAIRMAN OF THE DEPARTMENT OF GENETICS (MEDICAL) AS APPROVED BY THE DEAN OF THE MEDICAL SCHOOL  
MSN HS-MED GENETICS (133-4379)  
200.00

233. **WEED CONTROL IN AGRONOMIC CROPS**  
MSN AG&LSC AGRONOMY (133-5014)  
1,500.00: ROHM AND HAAS COMPANY  
PHILADELPHIA, PA  
1,500.00: UNIROYAL CHEMICAL COMPANY  
LEXINGTON, KY  
2,500.00: AMERICAN CYANAMID COMPANY  
PRINCETON, NJ  
8,000.00: WISCONSIN FOOD PROCESSORS ASSOCIATION  
MADISON, WI  
13,500.00

234. **UNIVERSITY OF WISCONSIN FOUNDATION**  
MADISON, WI  
SUPPORT FOOD RESEARCH INSTITUTE  
MSN AG&LSC FOOD MICRO&TOXIC (133-5328)  
257,000.00

235. **WISCONSIN COUNCIL OF THE BLIND, INC.**  
MADISON, WI  
RESEARCH IN DIABETIC RETINOPATHY  
MSN HS-MED OPHTHALMOLOGY (133-5612)  
1,000.00

236. **FMC CORPORATION**  
PRINCETON, NJ  
TRUCK CROP AND POTATO INSECTS AND THEIR CONTROL  
MSN AG&LSC ENTOMOLOGY (133-6855)  
1,500.00

237. **SUPPORT RESEARCH ON METHODS AND MATERIALS FOR WEED CONTROL IN FRUIT AND VEGETABLE CROPS**  
MSN AG&LSC HORTICULTURE (133-7179)  
750.00: MULTIPLE DONORS  
1,800.00: ROHM AND HAAS COMPANY  
PHILADELPHIA, PA  
1,000.00: UNIROYAL CHEMICAL COMPANY  
LEXINGTON, KY  
8,000.00: WISCONSIN FOOD PROCESSORS ASSOCIATION  
MADISON, WI  
4,450.00
## GIFTS, GRANTS AND CONTRACTS
### UNIVERSITY OF WISCONSIN - MADISON

### RESEARCH

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GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

4. CONTINENTAL BANK
CHICAGO, IL
SCHULTZE, HELEN DENNE TRUST
SCHULTZE, WALTER B.--SCHOLARSHIP FUND
MSN ENGR (TRUST) $11,003.62

5. AT & T BELL LABORATORIES
MORRISTOWN, NJ
BELL LABORATORIES (AT & T) PH.D. SCHOLARSHIP PROGRAM
MSN L&S COMPUTER SCI (TRUST) $443.63

6. MULTIPLE DONORS
PHI OMEGA PI SCHOLARSHIP
MSN FR&CS FAM RSR&CNSM SC (TRUST) $150.00

7. ANONYMOUS DONOR
BUNGE, HELEN L.--SCHOLARSHIP
MSN HS-NUR (TRUST) $2,000.00

8. PRUDENTIAL INSURANCE COMPANY
POLICY DIVIDENDS- HARRY J. ROWE
UW-MADISON LEADERSHIP TRUST
MSN G SERV FELLOWS & SCHOLS (TRUST) $60.11

9. BERKSHIRE BANK & TRUST COMPANY
PITTSFIELD, MASS
SHORT, JENOSIE B. ESTATE
BROWN, LEWIS RAYMOND--SCHOLARSHIP
MSN ENGR ADMINISTRATION (TRUST) $40,000.00

10. ALTHEIMER, ALAN J. EXECUTOR
CHICAGO, IL - FREIDMAN, CHARLOTTE A. BEQUEST
INCOME ONLY FOR SCHOLARSHIPS TO STUDENTS IN THE LIBRARY SCHOOL
FREIDMAN, CHARLOTTE A. SCHOLARSHIP FUND--LIBRARY SCHOOL
MSN L&S LIB&INF ST (TRUST) $11,944.00

11. PETERSON, H. ISABELLE SCHOLARSHIP FUND
MSN HS-MED (TRUST)

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1,495.00
UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

12. DHHS, PHS, ALCHL DRUG ABUSE MNTL HLTH ADM
   ROCKVILLE, MD
   PREDOCTORAL FELLOWSHIP AWARD
   FOR THE PERIOD 09-19-84 THROUGH 09-18-85
   AWARD # 1 F31 MH09217-01
   MN GRAD L&S SOCIAL WK  (144-W056)  8,292.00

13. WISCONSIN ALUMNI RESEARCH FOUNDATION
   MADISON, WI
   MR. & MRS. HARRY A. BULLIS SCHOLARSHIP
   MSN L&S ECONOMICS  (135-0064)  4,000.00

14. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    GEORGE KOEPEL MEMORIAL SCHOLARSHIP FUND
    MSN EDUC GENERAL ADMIN DEANS OFF (133-A738) 12,250.00

15. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    RONALD W. ZINNS MEMORIAL SCHOLARSHIP FUND
    MSN EDUC GENERAL ADMIN DEANS OFF (133-A739) 10,500.00

16. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    SCHOLARSHIP IN MECHANICAL ENGINEERING
    MSN ENGR MECHANICAL ENGR (133-A754) 5,300.00

17. GENERAL MOTORS CORPORATION
    DETROIT, MI
    GENERAL MOTORS SCHOLARSHIP PLAN
    MSN ENGR ADMINISTRATION (133-B280) 10,574.50

18. BAKER (ROBERT EARL) ESTATE
    PITTSBURGH, PA
    VIOLA JURGERSON BAKER MEMORIAL FUND
    MSN FR&CS FAM RSRC&CNSM SC  (133-B967) 1,214.28

19. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    A. H. EDGERTON MEMORIAL FUND
    MSN EDUC GENERAL ADMIN DEANS OFF (133-D034) 500.00

20. AMERICAN CAN COMPANY
    NEENAH, WI
    UNDERGRADUATE SCHOLARSHIPS IN CHEMICAL OR
    MECHANICAL ENGINEERING
    MSN ENGR  (133-D270) 3,500.00

21. CONGOLEUM CORPORATION
    PORTSMOUTH, NH
    CONGOLEUM CORPORATION SCHOLARSHIPS
    MSN BUS SCH OF BUSINESS (133-D279) 3,000.00

22. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    TOUCHE ROSS & CO. SCHOLARSHIP
    MSN BUS SCH OF BUSINESS (133-D281) 800.00
UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

23. WISCONSIN AGLIME ASSOCIATION
   FORT ATKINSON, WI
   WISCONSIN AGLIME ASSOCIATION SCHOLARSHIP
   MSN AG&LSC ACAD STU AFF ADM SCHOLARSHIP (133-D769) 250.00

24. WAUKESHA COUNTY PHARMACEUTICAL ASSOCIATION
   PEWAUKEE, WI
   UNDERGRADUATE SCHOLARSHIPS
   MSN HS-PHR PHARMACY (133-D965) 300.00

25. UNIVERSITY LEAGUE, INC.
   MADISON, WI
   SCHOLARSHIPS FOR MEDICAL STUDENTS
   MSN HS-MED (133-E014) 700.00

26. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   ARTHUR H. CARTER SCHOLARSHIP FUND
   MSN BUS SCH OF BUSINESS (133-E050) 2,500.00

27. INSTITUTE OF NUCLEAR POWER OPERATIONS
   ATLANTA, GA
   INPO FELLOWSHIP IN NUCLEAR ENGINEERING
   AT A $67,854.16 LEVEL
   MSN ENGR ENGR EXPER STA NUCL ENGR (133-E059) 18,000.00

28. AMERICAN VACUUM SOCIETY
   GAINESVILLE, FL
   AVS SCHOLARSHIP
   MSN ENGR ENGR EXPER STA MET & MIN (133-E082) 500.00

29. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   O. R. ZEASMAN MEMORIAL SCHOLARSHIP FUND
   MSN AG&LSC ACAD STU AFF ADM SCHOLARSHIP (133-E258) 226.11

30. TRANE COMPANY FOUNDATION, INC.
    LA CROSSE, WI
    SCHOLARSHIP IN MECHANICAL ENGINEERING
    MSN ENGR MECHANICAL ENGR (133-E726) 300.00

31. EASTMAN KODAK COMPANY
    ROCHESTER, NY
    FELLOWSHIP IN CHEMICAL ENGINEERING
    MSN ENGR CHEMICAL ENGR (133-E746) 5,530.50

32. SPECIAL EDITION COMMITTEE
    MADISON, WI
    JOHN WYNWAARD SCHOLARSHIP
    MSN L&S JOURN & MASS COM (133-E769) 1,200.00

33. WISCONSIN ASSOCIATION OF MANUFACTURER’S
    AGENTS, INC.
    MEQUON, WI
    WISCONSIN ASSOCIATION OF MANUFACTURER’S
    AGENTS, INC. SCHOLARSHIP
    MSN BUS SCH OF BUSINESS (133-E810) 500.00
UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

34. HERTZ (FANNIE AND JOHN) FOUNDATION
   LIVERMORE, CA
   FANNIE AND JOHN HERTZ FOUNDATION FELLOWSHIP
   FOR THE PERIOD 08-31-81 THRU 08-31-85 AT A
   $116,943.77 LEVEL
   MSN GRAD
   (133-E820) 48,301.50

35. GRACE (W R) & CO.
   COLUMBIA, MD
   GRADUATE FELLOWSHIP IN CHEMISTRY
   MSN L&S CHEMISTRY
   (133-F143) 9,000.00

36. GRACE (W R) & CO.
   COLUMBIA, MD
   FELLOWSHIP IN CHEMICAL ENGINEERING
   MSN ENGR ENGR EXPER STA CHEM ENGR
   (133-F189) 9,000.00

37. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   VIRCHOW KRAUSE & CO. SCHOLARSHIP
   MSN BUS SCH OF BUSINESS
   (133-F253) 150.00

38. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   DOCTORAL FELLOWSHIP SUPPORT
   MSN L&S GEOL & GEOPHYSICS
   (133-F581) 25,000.00

39. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   FELLOWSHIP IN CHEMICAL ENGINEERING
   MSN ENGR ENGR EXPER STA CHEM ENGR
   (133-F608) 5,000.00

40. WISCONSIN CLAIMS COUNCIL
    WAUKESHA, WI
    WISCONSIN CLAIMS COUNCIL SCHOLARSHIP
    MSN BUS SCH OF BUSINESS
    (133-F732) 1,000.00

41. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    WES HANSCHE MEMORIAL SCHOLARSHIP
    MSN AG&LSC ACAD STU AFF ADM SCHOLARSHIP
    (133-G550) 547.88

42. BAIRD (ROBERT W) & CO., INC.
    MILWAUKEE, WI
    ROBERT W. BAIRD & CO. INVESTMENT RESEARCH
    SCHOLARSHIP
    MSN BUS SCH OF BUSINESS
    (133-G584) 1,000.00

43. EASTMAN KODAK COMPANY
    ROCHESTER, NY
    SCHOOL OF BUSINESS UNDERGRADUATE SCHOLARSHIPS
    MSN BUS SCH OF BUSINESS
    (133-G691) 899.26

44. EASTMAN KODAK COMPANY
    ROCHESTER, NY
    COLLEGE OF LETTERS AND SCIENCE
    UNDERGRADUATE SCHOLARSHIPS
    MSN L&S ADMINISTRATION
    (133-G692) 899.26
GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - MADISON

STUDENT AID

46. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   UNIVERSAL OIL PRODUCTS FELLOWSHIP
   MSN ENGR ENGR EXPER STA CHEM ENGR (133-G710) 11,000.00

46. WISCONSIN GOLF COURSE SUPERINTENDENTS ASSOCIATION
   BROOKFIELD, WI
   WISCONSIN GOLF COURSE SUPERINTENDENTS
   ASSOCIATION SCHOLARSHIP
   MSN AG&LSC ACAD STU AFF ADM SCHOLARSHIP (133-G773) 250.00

47. RUTH MILLER KUHLMAN SCHOLARSHIP
   MSN L&S CLASSICS (133-G890)
   240.00 MULTIPLE DONORS
   1,800.00 KUHLMAN (MYRON G)
   BEAUMONT, TX
   2,040.00

48. WISCONSIN TURFGRASS ASSOCIATION
   MARSHALL, WI
   WISCONSIN TURFGRASS ASSOCIATION SCHOLARSHIP
   MSN AG&LSC ACAD STU AFF ADM SCHOLARSHIP (133-G993) 250.00

49. INTERNATIONAL BUSINESS MACHINES CORPORATION
   SAN JOSE, CA
   IBM PREDOCTORAL FELLOWSHIP
   MSN L&S CHEMISTRY (133-H474) 12,000.00

50. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    UNDERGRADUATE SCHOLARSHIP IN ELECTRICAL
    AND COMPUTER ENGINEERING
    MSN ENGR ELEC & COMP ENGR (133-H550) 1,800.00

51. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    JUDSON FELLMAN SCHOLARSHIP
    MSN G SERV FELLOWS & SCHOLS (133-H562) 50.00

52. CONOCO, INC.
    HOUSTON, TX
    CONOCO PETROLEUM PRODUCTS SCHOLARSHIP
    MSN BUS SCH OF BUSINESS (133-H572) 2,000.00

53. CAPELLE (FRED H)
    SALINA, KS
    FRED H. CAPELLE/AG JOURNALISM FUND
    MSN AG&LSC ACAD STU AFF ADM SCHOLARSHIP (133-H574) 500.00

54. MULTIPLE DONORS
    SCHOOL OF PHARMACY UNDERGRADUATE SCHOLARSHIP FUND
    MSN HS-PHR PHARMACY (133-1078) 300.00
## Gifts, Grants, and Contracts

**NOV 09, 1984**

**University of Wisconsin - Madison**

### Student Aid

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65. WISCONSIN ROAD BUILDERS ASSOCIATION
    MADISON, WI
    SCHOLARSHIP IN CIVIL & ENVIRONMENTAL ENGINEERING
    MSN ENGR  CIVIL & ENV ENGR (133-4867)  500.00

66. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    ERNST & WHINNEY SCHOOL OF BUSINESS SCHOLARSHIP-FELLOWSHIP
    MSN BUS  SCH OF BUSINESS (133-5281)  700.00

67. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    SUPPORT ARTS ADMINISTRATION PROGRAM OF THE
    GRADUATE SCHOOL OF BUSINESS
    MSN BUS  SCH OF BUSINESS (133-6975) 10,000.00

68. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    CHRISTIAN JOHN OTJEN SCHOLARSHIP
    MSN LAW  LAW SCHOOL (133-7354)  1,800.00

69. BRANN (ETHEL M) FOUNDATION, INC
    GREEN BAY, WI
    SCHOLARSHIP FOR GRADUATE STUDY IN THE AREA OF
    PUBLIC LIBRARIANSHIP
    MSN L&S  LIB&INF ST (133-7541)  750.00

70. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    SCHOLARSHIP OR GRANT-IN-AID TO BE MADE TO A
    STUDENT MAJORING IN ACCOUNTING AND INFORMATION
    SYSTEMS AND SELECTED BY THAT DEPARTMENT
    MSN BUS  SCH OF BUSINESS (133-7712)  300.00

71. BANKERS LIFE COMPANY
    DES MOINES, IA
    UNDERGRADUATE ACTUARIAL SCHOLARSHIP FUND-HIGH
    SCHOOL SCHOLARSHIP PROGRAM
    MSN BUS  SCH OF BUSINESS (133-8377)  1,400.00

72. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    A. GERTRUDE ANTHONY SCHOLARSHIP IN THE SCHOOL OF
    EDUCATION
    MSN EDUC  GENERAL ADMIN DEANS OFF (133-8700)  5,945.00

73. UNIVERSITY OF WISCONSIN FOUNDATION
    MADISON, WI
    ANNE L. MARCH SCHOLARSHIP IN THE SCHOOL OF
    EDUCATION
    MSN EDUC  GENERAL ADMIN DEANS OFF (133-8701)  2,300.00

74. PARK & ASSOCIATES, S.C.
    WISCONSIN RAPIDS, WI
    SCHOOL OF NURSING SCHOLARSHIP FUND
    MSN HS-NUR (133-8872)  2,000.00
### GIFTS, GRANTS AND CONTRACTS

**NOV 09, 1984**

**UNIVERSITY OF WISCONSIN - MADISON**

**STUDENT AID**

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**TOTAL**

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GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - MILWAUKEE

GIFT-IN-KIND

1. SANFORD BAUM
WHITEFISH BAY, WI
GIFT OF 1971, 20 FOOT O’DAY YNGLING SAILBOAT, HULL
NO. 25897 WITH TRAILER, JIB & MAINSAIL, DECK COVER
ANCHOR AND LINE, COMPASS, AND BOAT FENDERS DONATED
TO THE UWM SAILING CLUB
MIL STU AF UNION OPERATIONS UNION OPNS

2. VARIOUS DONORS
GIFT OF VARIOUS BIBLIOGRAPHIC ITEMS DONATED TO THE
UWM GOLDA MEIR LIBRARY DURING THE FISCAL YEAR
1984/85.
MIL LIBR LIBRARY

3. JANE DICUS
MILWAUKEE, WI
GIFT OF SEARS LADY KENMORE STOVE DONATED TO THE
SCHOOL OF EDUCATION EARLY CHILDHOOD CENTER
MIL EDUC EARLY CHILHD CT

4. SMITH KLINE & FRENCH LABORATORY
MEDICINAL CHEMISTRY - DR. DAVID HILL
PHILADELPHIA, PA
GIFT OF 10 GRAMS OF TRIETHYPHOSPHINE GOLD (I)
CHLORIDE (SKF 36914), A PRECURSOR FOR GOLD-BASED
ANTI-ARTHRITIC DRUGS DONATED TO THE CHEMISTRY
DEPARTMENT.
AWARD # NONE
MIL L&S CHEMISTRY

INSTRUCTION

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

1) MIDWEST NATIONAL ORIGIN DESEGREGATION ASSISTANCE
CENTER
FOR THE PERIOD 07-01-84 THROUGH 09-30-84
AWARD # G008402059
MIL EDUC CULTURAL FDNS-ED (144-U704) 64,804.00

2) NATIVE AMERICAN GRADUATE EDUCATION PROGRAM,
EDUCATION PERSONNEL DEVELOPMENT
FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # G008420125
MIL EDUC CULTURAL FDNS-ED (144-W049) 159,782.00

2. UNIVERSITY OF NORTH CAROLINA-CHAPEL HILL
CHAPEL HILL, NC
PRIME CONTRACTOR WITH DHHS PHS NIH
EDUCATIONAL PROGRAM FOR NURSES TO INCREASE THEIR
SKILLS RELATED TO ENVIRONMENTAL HEALTH
FOR THE PERIOD 09-14-84 THROUGH 03-31-85
AWARD # UNC NO. 35012
MIL NURS HLTH MAINTENANCE (144-W019) 31,955.00
INSTRUCTION

3. NATIONAL SCIENCE FOUNDATION
WASHINGTON, D. C.
REVITALIZING MATHEMATICS TEACHING WITH HISTORY
FOR THE PERIOD 10-01-84 THROUGH 09-30-86
AWARD # DPE-8470243
MIL L&S MATH SCIENCES (144-W043) 76,572.00

4. INTERNATIONAL BUSINESS MACHINES
ARMONK, N.Y.
IBM PROPOSAL PLANNING GRANT
FOR THE PERIOD 09/01/84 THROUGH 01/15/85
MIL BUS AD MGMNT RESRCH CTR (133-H180) 5,000.00

MISCELLANEOUS

1. VARIOUS GOVERNMENTAL AGENCIES
MILWAUKEE, WI
MILWAUKEE HUMANITIES PROGRAM PUBLICATION RECEIPTS
AWARD # N.A.
MIL L&S HUMANITIES HUMANIT (144-P108) 590.99

2. ST. NORBERT COLLEGE
DE PERE, WI
UWM - OFFICE OF SPONSORED RESEARCH INFORMATION CENTER ACCOUNT.
MIL GRAD RES & SPONS PRGS RES DEVEL (133-B748) 550.00

3. UWM FOUNDATION
MILWAUKEE, WI
SALARY SUPPORT FOR UWM FOUNDATION
MIL U REL ASST CHAN OFFICE (133-D742) 26,705.00

4. PURPLE LOOSESTRIFE TASK FORCE
WEST BEND, WI
GIFT DONATED TO THE UWM FIELD STATION
MIL L&S FIELD STATION (133-D756) 62.24

5. VARIOUS
DISCRETIONARY USE BY: UWM WOMEN'S GYMNASTICS
MIL STU AF INTRECL ATH-WOMEN GYMNASTICS (133-H132) 106.00

6. MULTIPLE DONORS
MILWAUKEE, WI
BLACK ARTS SUMMER EXPERIENCE, 1984
FOR THE PERIOD 08/01/84 THROUGH 06/30/85
MIL URBN O ADMINISTRATION ADMIN (133-H158) 175.00

7. WATER SERVICES OF AMERICA, INC.
MILWAUKEE, WI
INDUSTRY/STUDENT TEAM DESIGN COURSE
MIL ENG&AS MECHANICAL ENGR (133-8722) 300.00
PHYSICAL PLANT

1. EDUCATION, DEPT. OF
   CHICAGO, IL
   INTEREST SUBSIDY GRANT FOR CONSTRUCTION OF
   ENGINEERING AND MATHEMATICAL SCIENCES BUILDING
   FOR THE PERIOD 02-19-71 THROUGH 09-15-90
   AWARD # 4-5-00347-0
   MIL ADM AF ASST CHAN OFFICE (144-H016) 45,420.00

RESEARCH

1. FOREST SERVICE
   IRONWOOD, MI
   A CULTURAL RESOURCES SURVEY ON THE OTTAWA
   NATIONAL FOREST
   FOR THE PERIOD 09-14-84 THROUGH 02-15-85
   AWARD # P.O. 43-54A7-734
   MIL L&S ANTHROPOLOGY (144-W033) 3,816.00

2. EDUCATION, DEPT. OF
   WASHINGTON, D.C.
   NEUROPSYCHOLOGICAL ASSESSMENT AND TRAINING OF
   COGNITIVE PROCESSING STRATEGIES FOR READING
   RECOGNITION AND COMPREHENSION: A COMPUTER
   ASSISTED PROGRAM FOR LEARNING DISABLED STUDENTS
   FOR THE PERIOD 01-01-85 THROUGH 12-31-85
   AWARD # G008302986
   MIL EDUC EDUC PSYCHOLOGY (144-W044) 200,046.00

3. WISCONSIN DEPARTMENT OF PUBLIC INSTRUCTION
   MADISON, WI
   PRIME CONTRACTOR WITH DED
   USE OF HIGH SCHOOL EQUIVALENCY DIPLOMA TO MEASURE
   READINESS FOR POST SECONDARY EDUCATION AND
   EMPLOYMENT IN WISCONSIN
   FOR THE PERIOD 09-01-84 THROUGH 06-30-85
   AWARD # P.O. PAE 00941
   MIL URBN O ADMINISTRATION ADMIN (144-W036) 19,410.00

4. DOD, AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
   BOLLING AFB, WASHINGTON, D.C.
   SIEVES AND FILTERS FOR GAUSSIAN PROCESSES
   FOR THE PERIOD 09-30-84 THROUGH 09-29-85
   AWARD # AFOSR-84-0329
   MIL L&S MATH SCIENCES (144-W042) 14,758.00

5. ENVIRONMENTAL PROTECTION AGENCY
   WASHINGTON, D.C.
   HISTORICAL RECORDS OF POLLUTANTS IN RECENT
   AQUATIC SEDIMENTS
   FOR THE PERIOD 09-01-83 THROUGH 08-31-85
   AWARD # R-810419-02-0
   MIL ENG&AS CIVIL ENGINEER'G (144-T782) 68,874.00

6. WISCONSIN DEPARTMENT OF NATURAL RESOURCES
   MADISON, WI
   LIFE HISTORY AND DISTRIBUTION OF NORTHERN
   MONKS Hood
   FOR THE PERIOD 10-01-84 THROUGH 09-30-85
   AWARD # P.O. NRE 93759
   MIL L&S BIOLOGICAL SCI (144-W080) 6,987.00
# GIFTS, GRANTS AND CONTRACTS

## UNIVERSITY OF WISCONSIN - MILWAUKEE

### RESEARCH

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<td>For the Village of Round Lake, Lake County, Illinois</td>
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**RESEARCH**

14. **ALLEN BRADLEY**  
MILWAUKEE, WI  
**EXPERIMENTAL STRESS ANALYSIS**  
FOR THE PERIOD 09/01/84 THROUGH 08/31/85  
MIL ENG&AS CIVIL ENGINEER'G  
(133-E617)  
9,396.00

15. **UNRESTRICTED RESEARCH OF PETER KOVACIC**  
MIL L&S CHEMISTRY  
(133-G394)  
2,200.00 CHEVRON, CHEMICAL CO.  
RICHMOND, CALIFORNIA  
2,000.00 SHELL OIL CO.  
PORTLAND, OR  
4,200.00

16. **UPJOHN**  
KALAMAZOO, MI  
**CLINICAL EVALUATION STUDY**  
MIL STU AF STUDENT HEALTH ADMIN  
(133-G405)  
300.00

17. **ACTION FOR GOALS 2000**  
MILWAUKEE, WI  
**ASSESSING PROGRESS TOWARDS GOALS 2000**  
FOR THE PERIOD 07/01/84 THROUGH 06/30/85  
MIL GRAD URBAN RESRCH CTR  
(133-G413)  
2,915.50

18. **GREEN BAY METROPOLITAN SEWERAGE DISTRICT**  
GREEN BAY, WI  
**EFFLUENT MIXING ZONE STUDY**  
FOR THE PERIOD 05/01/84 THROUGH 04/30/85  
MIL ENG&AS CIVIL ENGINEER'G  
(133-H136)  
36,399.00

19. **WISCONSIN DEPARTMENT OF DEVELOPMENT**  
MADISON, WI  
**COMBINED FORCED AND NATURAL CONVECTION IN PASSAGES OF COMPLEX GEOMETRY**  
FOR THE PERIOD 06/30/84 THROUGH 06/30/86  
AWARD # TDF 1-4  
MIL ENG&AS MECHANICAL ENGR  
(133-H175)  
27,072.00

20. **WISCONSIN DEPARTMENT OF TRANSPORTATION**  
MADISON, WI  
**MULTIPLE OBJECTIVE DECISION MAKING**  
FOR THE PERIOD 08/20/84 THROUGH 06/30/85  
AWARD # P.O. TREO1593  
MIL ARC&UP URBAN PLANNING  
(133-H177)  
27,465.00

21. **WEBER EXECUTIVE ALUMNI ASSOCIATION**  
MILWAUKEE, WI  
**EMBA FACULTY RESEARCH SUPPORT**  
MIL BUS AD MGMNT RESRCH CTR  
(133-H181)  
5,000.00

22. **MCCLURE ENGINEERING ASSOCIATES**  
EAST MOLINE, IL  
**ARCHAEOLOGICAL SURVEY OF A PORTION OF THE RAPIDS CITY SANITARY SEWER ROUTE, ROCK ISLAND COUNTY, ILLINOIS**  
AWARD # RC-21-23-84-045  
MIL L&S ANTHROPOLOGY  
(133-H182)  
1,208.00
UNIVERSITY OF WISCONSIN - MILWAUKEE

RESEARCH

23. AMERICAN NURSES FOUNDATION, INC.  
   KANSAS CITY, MO  
   FACTOR'S RELATED TO REGISTERED NURSE JOB  
   SATISFACTION  
   FOR THE PERIOD 10/01/84 THROUGH 10/01/85  
   MIL NURS HLTH RESTORATION (133-H184) 2,500.00

24. KEULKS, (GEORGE W.)  
    MILWAUKEE, WI  
    LIBRARY RESEARCH  
    MIL GRAD DEANS OFFICE ADMIN (133-H185) 350.00

25. AMERICAN NURSES FOUNDATION  
    KANSAS CITY, MO  
    ADAPTATION TO FATHERING: THE FIRST SIX WEEKS  
    OF LIFE  
    FOR THE PERIOD 10/01/84 THROUGH 09/30/85  
    MIL NURS HLTH RESTORATION (133-H186) 2,494.00

26. AMERICAN NURSES FOUNDATION  
    KANSAS CITY, MO  
    URINARY INCONTINENCE DIGANOSED AND MANAGED BY  
    NURSES  
    FOR THE PERIOD 10/01/84 THROUGH 09/30/85  
    MIL NURS FNDTNS OF NURS'G (133-H187) 2,494.00

27. AMERICAN PETROLEUM INSTITUTE  
    DALLAS, TX  
    FLEXURAL CAPACITY OF FABRICATED PIPE AT FIXED  
    ENDS  
    FOR THE PERIOD 09/01/84 THROUGH 08/31/85  
    AWARD # PRAC #84-54  
    MIL ENG&S CIVIL ENGINEER’G (133-H188) 50,000.00

28. COMPUTERIZED STRUCTURAL DESIGN  
    MILWAUKEE, WI  
    SKYLIGHT TESTS  
    AWARD # CHECK #18025  
    MIL ENG&S CIVIL ENGINEER’G (133-9372) 643.40

STUDENT AID

1. EDUCATION, DEPT OF  
   WASHINGTON, D.C.  
   PELL GRANT ADMINISTRATIVE ALLOWANCE  
   FOR THE PERIOD 07-01-83 THROUGH 06-30-86  
   AWARD # ROO8402948  
   MIL STU AF FINANCIAL AID PROV’L&SUP (144-U408) 2,285.00

2. UWM FOUNDATION #670  
   MILWAUKEE, WI  
   SCHOOL OF ARCHITECTURE AND URBAN PLANNING  
   SCHOLARSHIP FUND  
   MIL ARC&SUP ADMINISTRATION ADMIN (133-A492) 4,600.00
# GIFTS, GRANTS AND CONTRACTS
**NOV 09, 1984**

## UNIVERSITY OF WISCONSIN - MILWAUKEE

### STUDENT AID

3. **WAUSAU INSURANCE COMPANIES**  
   **WAUSAU, WI**  
   **OCCUPATIONAL HEALTH NURSING SCHOLARSHIP**  
   **MIL NURS NURSING** (133-D725)  
   **5,000.00**

4. **UWM FOUNDATION - FREDERICK LAYTON ENDOWMENT**  
   **MILWAUKEE, WI**  
   **FREDERICK LAYTON FELLOWSHIP**  
   **MIL F ARTS ADMINISTRATION ADMIN** (133-H176)  
   **22,000.00**

5. **LYNN RAEBEL**  
   **UWM ATHLETIC GRANT-IN-AID**  
   **MIL STU AF INTRCL ATH-WOMEN GYMNASTICS** (133-6363)  
   **50.00**

**TOTAL MILWAUKEE**  
**1,035,242.13**

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UNIVERSITY OF WISCONSIN - EAU CLAIRE

INSTRUCTION

1. EDUCATION, DEPT OF WASHINGTON, DC
   SPECIAL SERVICES FOR DISADVANTAGED STUDENTS
   FOR THE PERIOD 09-01-84 THROUGH 08-31-85
   AWARD # GO084O957
   EAU G AC A EDUCATION OPPOR (144-4040) 129,627.00

RESEARCH

1. CHIRON CORPORATION
   EMERYVILLE, CA
   RESEARCH IN BACTERIAL CELL GROWTH OF DNA
   AWARD # CHIRON 7/30/84
   EAU ART&SC BIOLOGY (133-5006) 6,148.00

2. WISC DEPT OF TRANSPORTATION
   EAU CLAIRE, WI
   HISTORICAL REPORT OF GRAND AVENUE BRIDGE
   IN NEILLSVILLE, WI
   AWARD # DOT-8-1-84
   EAU ART&SC GEOGRAPHY (133-5007) 1,121.00

TOTAL EAU CLAIRE 136,896.00

INSTRUCTION 129,627.00
RESEARCH 7,269.00
MISCELLANEOUS

1. MULTIPLE DONORS
   SCHOOL SERVICES BUREAU
   GBY AC AFF SCH SVCS BUREAU  (133-C550)  $2,846.65

2. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   FRANKENTHAL AWARD
   GBY G E A CHANCELLORS O FF ADMIN  (133-E698)  $7,820.35

3. UNIVERSITY OF WISCONSIN FOUNDATION
   MADISON, WI
   FRANKENTHAL PROFESSORSHIP
   GBY CR COM HUMANISTIC STU  (133-H693)  $30,000.00

RESEARCH

1. DOOR (COUNTY OF)
   LAND CONSERVATION COMMITTEE
   STURGEON BAY, WI
   UPPER DOOR PRIORITY WATERSHED PROJECT
   FOR THE PERIOD 10-18-84 THRU 07-31-85
   GBY ENV SC SCI & ENVIR CHG  (133-H699)  $14,156.00

   TOTAL GREEN BAY  $54,823.00

   MISCELLANEOUS  $40,667.00
   RESEARCH  $14,156.00
UNIVERSITY OF WISCONSIN - LACROSSE

EXTENSION AND PUBLIC SERVICE

1. WISCONSIN HUMANITIES COMMITTEE
   MADISON, WI
   PRIME CONTRACTOR WITH NEH
   SUPPORT FOR SYMPOSIUM ON FUTURISM
   FOR THE PERIOD 08-01-84 THROUGH 12-31-84
   AWARD # F482-104-R992(L)
   LAC EX DIV DEVELOPMENT OFF DEVEL OFF (144-0503) 1,200.00

2. PHI DELTA KAPPA
   LACROSSE, WI
   SUPPORT FOR CONFERENCE ON EXCELLENCE
   IN EDUCATION
   LAC EDUC CTR-ED PROFESSNS (133-1201) 1,300.00

INSTRUCTION

1. EDUCATION, DEPT OF
   WASHINGTON, DC
   1984-85 SPECIAL EDUCATION PERSONNEL
   PREPARATION GRANT
   FOR THE PERIOD 07-01-84 THROUGH 06-30-85
   AWARD # GO0084O1750
   LAC L&S PSYCHOLOGY (144-7890) 64,500.00

RESEARCH

1. WI STATE HISTORICAL SOCIETY
   MADISON, WI
   PRIME CONTRACTOR WITH INTER
   1984-85 REGIONAL ARCHAEOLOGIST GRANT AWARD
   FOR THE PERIOD 07-15-84 THROUGH 07-14-85
   AWARD # HSE-322
   LAC L&S SOCIOI & ANTHROP (144-8825) 20,000.00

2. DE PAUL UNIVERSITY
   CHICAGO, IL
   PRIME CONTRACTOR WITH NEH
   TRANSLATION OF HEIDigger PAPERS
   FOR THE PERIOD 09-01-84 THROUGH 08-31-85
   AWARD # RL-20522-84
   LAC L&S PHILOSOPHY (144-7250) 9,132.00

3. NATIONAL SCIENCE FOUNDATION
   WASHINGTON, DC
   GRANT TO RESEARCH RIDGED-FIELD AGRICULTURE
   IN PREHISTORIC WESTERN WISCONSIN
   FOR THE PERIOD 07-15-84 THROUGH 11-30-85
   AWARD # BNS-8406863
   LAC L&S SOCIOI & ANTHROP (144-8833) 69,580.00

4. MULTIPLE DONORS
   1984-85 OPERATING BUDGET FOR MISSISSIPPI VALLEY
   ARCHAEOLOGY CENTER BASED ON LOCAL FUND RAISING
   LAC L&S SOCIOI & ANTHROP (133-8822) 33,948.00
RESEARCH

5. DAIRYLAND POWER COOPERATIVE
   LACROSSE, WI
   ARCHAEOLOGICAL SURVEY AT KRAUSE SUBSTATION
   AWARD # A-099187
   LAC L&S  SOCIO & ANTHROP  (133-8835)  2,000.00

6. DAIRYLAND POWER COOPERATIVE
   LACROSSE, WI
   ARCHAEOLOGICAL SURVEY AT HARPERS FERRY
   POWER STATION
   AWARD # 099814
   LAC L&S  SOCIO & ANTHROP  (133-8840)  500.00

7. DAIRYLAND POWER COOPERATIVE
   LACROSSE, WI
   ARCHAEOLOGICAL SURVEY AT OAKDALE POWER
   SUBSTATION
   AWARD # 099890
   LAC L&S  SOCIO & ANTHROP  (133-8841)  2,000.00

   TOTAL LACROSSE  204,160.00

   EXTENSION AND PUBLIC SERVICE  2,500.00
   INSTRUCTION  64,500.00
   RESEARCH  137,160.00
**UNIVERSITY OF WISCONSIN - OSHKOSH**

### INSTRUCTION

1. **WI DEPT OF PUBLIC INSTRUCTION**  
   Madison, WI  
   Prime contractor with DED  
   Training in Nutrition Fitness for Elementary and Special Education Personnel  
   For the period 09-19-84 through 01-31-85  
   Award #: PAE 01119  
   OSH Educ Instruction  
   (144-4428)  
   $4,981.00

2. **DHHS, OFFICE OF HUMAN DEVELOPMENT SERVICES**  
   Chicago, IL  
   Purchase of 4 vans for transportation of children in Head Start Program  
   For the period 07-01-84 through 06-30-84  
   Award #: 05CH4232/18  
   OSH Educ Instruction  
   (144-4425)  
   $44,000.00

3. **FOX CITIES ARTS ALLIANCE**  
   Appleton, WI  
   Award to Allen Priebe Gallery at UW-Oshkosh  
   In support of the exhibition "Modern Masters of Classical Realism"  
   OSH L&S Art  
   (133-3325)  
   $1,200.00

### STUDENT AID

1. **MULTIPLE DONORS**  
   King-Garvey Scholarship and Loan Fund  
   Providing assistance to black students  
   OSH Stu A Misc Fel & Schol  
   (133-3326)  
   $840.00

**TOTAL OSHKOSH**  
$51,021.00

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UNIVERSITY OF WISCONSIN - PARKSIDE

GIFT-IN-KIND

1. ANONYMOUS
   PDP 11/70 COMPUTER, TAPE DRIVE, DISK DRIVE, DISK PACK, SYSTEM CONSOLE TERMINAL, 8 DEC TERMINALS, 8 DEC PRINTERS AND MISCELLANEOUS HARDWARE.
   GIFT IN KIND
   PKS MOD IN ENGINEERING SCI ADMIN

MISCELLANEOUS

1. MULTIPLE DONORS
   FORUM FOR READING
   PKS SC&SOC EDUCATION (133-G832) 220.00

2. MULTIPLE DONORS
   REPAIR AND MAINTENANCE OF SCIENCE DIVISION EQUIPMENT
   PKS SC&SOC SCIENCE ADMIN (133-H334) 100.00

3. MULTIPLE DONORS
   BUSINESS AND ADMINISTRATIVE SCIENCE DIVISION UNRESTRICTED GRANT
   PKS MOD IN BUS & ADMIN SCI ADMIN (133-H541) 500.00

4. MULTIPLE DONORS
   CONFERENCE: "A SENSE OF THE PAST: HISTORICAL DIMENSIONS OF HUMANISM IN RENAISSANCE BRITAIN, C. 1450-1625"
   PKS SC&SOC HUMANITIES ENGLISH (133-H605) 594.00

RESEARCH

1. DHHS, PHS, NATIONAL INSTITUTES OF HEALTH
   BETHESDA, MD
   AGED PARENTS EVALUATIONS OF ASSISTANCE FROM CHILDREN FOR THE PERIOD 09-28-84 THROUGH 09-27-85
   AWARD # 1 RO3 AG05013-01
   PKS SC&SOC BEHAVIORAL SCI PSYCHOLOGY (144-W091) 18,557.00

2. MAYO FOUNDATION
   ROCHESTER, MN
   SYNTHETIC PEPTIDE SUBSTRATES RESEARCH
   PKS SC&SOC SCIENCE CHEMISTRY (133-C946) 1,000.00

STUDENT AID

1. KENOSHA FOUNDATION
   KENOSHA, WI
   KENOSHA FOUNDATION SCHOLARSHIP FUND
   PKS BUS SV FELLOWS & SCHOLS (133-G542) 5,400.00

2. MULTIPLE DONORS
   ALUMNI ANNUAL FUND
   PKS BUS SV FELLOWS & SCHOLS (133-G893) 50.00

TOTAL PARKSIDE 26,421.00

------------------------

MISCELLANEOUS 1,414.00
RESEARCH 19,557.00
STUDENT AID 5,450.00
GIFTS, GRANTS AND CONTRACTS
NOV 09, 1984

UNIVERSITY OF WISCONSIN - STOUT

RESEARCH

1. EDUCATION, DEPT OF WASHINGTON, DC
DEMONSTRATION OF A SCHOOL-BASED VOCATIONAL PREPARATION MODEL FOR TRANSITION FROM SCHOOL TO WORK FOR THE PERIOD 09-01-84 THROUGH 08-31-85 AWARD # GO0843O008 STO EDUC STO VOC REH INST REH INST RES&TRNG C (144-0510) 125,842.00

2. STOUT UNIVERSITY FOUNDATION, INC MENOMONIE, WI STUDENTS AND COMMUNITY RESOURCES: AN ATTITUDINAL STUDY AWARD # O50984C STO LIB ST SOCIAL SCIENCE (133-0373) 1,982.00

TOTAL STOUT 127,824.00

RESEARCH 127,824.00
1. **MULTIPLE DONORS**
   Support for students to attend summer educational program "YouthSummer '84" - University of Wisconsin - Superior, Division of Extension and Public Service
   Sup U Res Off of Exten Plg (133-0271) $7,618.10

2. **GIFT-IN-KIND**
   1. ESTATE OF PAUL E HOLDEN
      Superior, WI
      Collection of books of Paul E Holden's library for the Jim Dan Hill Library at University of Wisconsin-Superior
      Sup

3. **RESEARCH**
   1. ENVIRONMENTAL PROTECTION AGENCY
      Washington, DC
      Organic Chemical Aquatic Toxicity Data Base for Development of Predictive Toxicity Models
      For the period 04-01-84 through 03-31-85
      Award # CR811590-01-1
      Sup U Res CTR-L Sup Env St CTR-LS E S (144-0270) $200,000.00

**TOTAL SUPERIOR**

$207,618.10

**EXTENSION AND PUBLIC SERVICE**

$7,618.10

**RESEARCH**

$200,000.00
UNIVERSITY OF WISCONSIN - WHITewater

EXTENSION AND PUBLIC SERVICE

1. WISCONSIN ARTS BOARD
MADISON, WI
PRIME CONTRACTOR WITH NEA
WISCONSIN-PAN PROJECT IN THE PERFORMING
ARTS SERIES
FOR THE PERIOD 09-01-84 THROUGH 04-30-85
AWARD # CONTRACT 7/9/84
WTW AUX OP OTHER AUX OPNS STU SVCS (144-0594) 18,246.00
TOTAL WHITewater 18,246.00

EXTENSION AND PUBLIC SERVICE 18,246.00
UNIVERSITY OF WISCONSIN - CENTER SYSTEM

GIFT-IN-KIND

1. DR. AND MRS. FREDERICK P. NAUSE
   SHEBOYGAN, WI
   ASSORTED PRINTS
   GIFT IN KIND
   CNS SHEBOY ART

2. DR. AND MRS. CHRISTOPHER A. GRAF
   SHEBOYGAN, WI
   ASSORTED PRINTS
   GIFT IN KIND
   CNS SHEBOY ART

3. PATTI ANDERSON
   WEST BEND, WI
   128 BOOKS AND JOURNALS
   GIFT IN KIND
   CNS WASH LIBRARY

4. MR. R. BRUCE GROVER
   KOHLER, WI
   OBSERVATORY, TELESCOPES & BOOKS
   GIFT-IN-KIND
   CNS SHEBOY PHYSICS

MISCELLANEOUS

1. WISCONSIN DEPT OF INDUSTRY, LABOR & HUMAN RELATIONS
   MADISON, WI
   PRIME CONTRACTOR WITH LABOR
   WORK INCENTIVE PROGRAM
   FOR THE PERIOD 09-19-83 THROUGH 09-15-84
   AT A TOTAL COST OF $15,729.32
   AWARD # 269-83-PSE-2, MOD. 1
   CNS MARIN LIBRARY (144-T794) 1,314.80

2. WISCONSIN ARTS BOARD
   MADISON, WI
   PRIME CONTRACTOR WITH NEA
   LECTURE AND CONCERT SERIES 1984-85
   FOR THE PERIOD 09-01-84 THROUGH 04-30-85
   AWARD # 185 CP
   CNS MARSH STUDENT AFFAIRS LECT & F A (144-W058) 10,000.00

3. AFFILIATED STATE ARTS AGENCIES OF THE UPPER MIDWEST
   MINNEAPOLIS, MN
   PRIME CONTRACTOR WITH NEA
   LECTURE AND CONCERT SERIES 84-85
   FOR THE PERIOD 09-01-84 THROUGH 04-30-85
   AWARD # AGR DTD 05-02-84
   CNS MARSH STUDENT AFFAIRS LECT & F A (144-W034) 2,259.00

4. WISCONSIN HUMANITIES COMMITTEE
   MADISON, WI
   PRIME CONTRACTOR WITH NEH
   THE ROLE OF THE HUMANITIES IN THE CRIMINAL JUSTICE SYSTEM
   FOR THE PERIOD 03-16-84 THROUGH 06-30-85
   AT A TOTAL COST OF $12,849.00
   AWARD # G-FY82-62-(P), MOD. 2
   CNS SYS SV INSTRL SERVICES PREP PROG (144-U335) 3,191.00
MISCELLANEOUS

5. WISCONSIN HUMANITIES COMMITTEE
   MADISON, WI
   PRIME CONTRACTOR WITH NEH
   STUDY OF AMERICAN NOBEL PRIZE WINNERS IN LITERATURE
   FOR THE PERIOD 09-01-84 THROUGH 11-30-84
   AWARD # FY-82-113 (L)
   CNS MANIT LIBERAL STUDIES LIBERAL ST (144-W045) 556.00

6. WISCONSIN HUMANITIES COMMITTEE
   MADISON, WI
   PRIME CONTRACTOR WITH NEH
   HUMANITIES INSTITUTE FOR TEACHERS: THOMAS MANN AND DOCTOR FAUSTUS
   FOR THE PERIOD 10-01-84 THROUGH 08-31-85
   AWARD # FY82-127 (T)
   CNS ROCK MUSIC (144-W093) 6,760.30

7. BARES (GEORGE C)
   MILWAUKEE, WI
   DEFRAY COST OF PURCHASE OF A CADAVER
   CNS WASH BIOLOGY (133-H567) 350.00

STUDENT AID

1. EDUCATION, DEPT OF
   WASHINGTON, DC
   PELL GRANT PROGRAM
   FOR THE PERIOD 07-01-83 THROUGH 06-30-84
   AT A TOTAL COST OF $1,901,116.00
   AWARD # PO08402949, MOD. 4
   CNS (148-R084) 85,400.00

2. WISCONSIN RURAL REHABILITATION CORPORATION
   MADISON, WI
   NURSING SCHOLARSHIPS AT THE UW-MARSHFIELD CENTER FOR HEALTH SCIENCES
   CNS MARSH STUDENT AFFAIRS FELL & SCH (133-E659) 1,250.00

TOTAL CENTER SYSTEM 111,081.10

MISCELLANEOUS 24,431.10
STUDENT AID 86,650.00
EXTENSION AND PUBLIC SERVICE

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

1) CHANGING AND IMPLEMENTING CREDIT POLICIES FOR
AGRICULTURAL SUPPLY COOPERATIVE
FOR THE PERIOD 09-24-84 THROUGH 09-30-85
AWARD # 58-3J31-4-0006
EXT COOP E AGRIC & AGRI-BUS U CTR-COOP (144-WO65) 18,453.00

2) VERTICAL ORGANIZATION AND ECONOMIC PERFORMANCE IN
GRAIN MARKETING COOPERATIVES
FOR THE PERIOD 09-24-84 THROUGH 09-30-85
AWARD # 58-3J31-4-0002
EXT COOP E AGRIC & AGRI-BUS U CTR-COOP (144-WO66) 28,617.00

3) RATIONALE FOR ESTABLISHING PLANT CHANGES FOR SHORT
SEASON MILK SALES TO DEFICIT AREAS
FOR THE PERIOD 09-24-84 THROUGH 09-30-85
AWARD # 58-3J31-4-0004
EXT COOP E AGRIC & AGRI-BUS U CTR-COOP (144-WO67) 19,250.00

4) AN EQUITY CAPITAL ACQUISITION AND REDEMPTION
STATEGY WHICH TREATS COOPERATIVE MEMBERS EQUITABLY
FOR THE PERIOD 09-24-84 THROUGH 09-30-85
AWARD # 58-3J31-4-0005
EXT COOP E AGRIC & AGRI-BUS U CTR-COOP (144-WO68) 22,786.00

2. INTER, FISH AND WILDLIFE SERVICE
WASHINGTON, DC
PREPARATION OF "A BIBLIOGRAPHY OF COOPERATIVE
EXTENSION SERVICE PUBLICATIONS ON WILDLIFE,
FISH AND FOREST RESOURCES, 2ND EDITION"
FOR THE PERIOD 09-15-84 THROUGH 09-15-85
AWARD # 14-16-0009-84-981
EXT COOP E UW MSN-AG & L SC WLIFE ECOL (144-WO92) 5,000.00

3. WI DEPT OF INDUSTRY, LABOR AND
HUMAN RELATIONS
MADISON, WI
PRIME CONTRACTOR WITH LABOR
SUPPORT FOR TRAINING OF SOUTHEAST ASIANS AS
FOOD/NUTRITION EDUCATION AIDS
FOR THE PERIOD 07-30-84 THROUGH 05-02-85
AWARD # 84-6124-03
EXT COOP E FAMILY LIV'G ED FAM LIVNG (144-WO71) 2,112.00

4. NATIONAL ENDOWMENT FOR THE ARTS
WASHINGTON, DC
JAZZ CLASS
FOR THE PERIOD 10-01-84 THROUGH 09-30-85
AWARD # 42-5170-0102
EXT TELCOM WHA TELEVISION (144-WO95) 18,750.00

5. WISCONSIN HUMANITIES COMMITTEE
MADISON, WI
THE LONG AND SHORT OF IT, HUMANITIES ON WISCONSIN
PUBLIC RADIO
FOR THE PERIOD 11-01-84 THROUGH 10-31-85
AWARD # FY82-123 (L)
EXT TELCOM WHA RADIO (144-WO78) 12,560.00
### UNIVERSITY OF WISCONSIN - EXTENSION

#### EXTENSION AND PUBLIC SERVICE

6. **STATE, DEPT. OF WASHINGTON, DC**
   
   COURSE DEVELOPMENT IN DISASTER MANAGEMENT PHASE II
   
   FOR THE PERIOD 09-15-84 THROUGH 09-14-85
   
   AWARD # 1037-420069
   
   EXT G EXT UW - MADISON ENGINEERING (144-W081) 80,000.00

7. **WI DEPT OF TRANSPORTATION MADISON, WI**
   
   PRIME CONTRACTOR WITH TRANS
   
   DEVELOPMENT OF RURAL TRANSPORTATION ISSUES TRAINING COURSE
   
   FOR THE PERIOD 09-28-84 THROUGH 06-30-87
   
   AWARD # ID681-42-21, MOD. 1
   
   EXT G EXT UW - MILWAUKEE TRANSPORTN (144-W079) 398,877.00

8. **TENNESSEE VALLEY AUTHORITY MUSCLE SHOALS, AL**
   
   FERTILIZER TESTS FY85
   
   FOR THE PERIOD 10-01-84 THROUGH 09-30-85:
   
   AWARD # WISC 511.6
   
   EXT COOP E UW MSN-AG & L SC SOIL SCI (144-W031) 12,800.00

9. **MULTIPLE DONORS**
   
   PROFESSIONAL IMPROVEMENT OF THE RECREATION RESOURCE CENTER STAFF
   
   EXT COOP E UW MSN-AG & L SC RECR RSRCs (133-D074) 100.00

10. **WISCONSIN HIGH SCHOOL FORENSIC ASSOCIATION SOUTH WAYNE, WI**
    
    ADMINISTRATIVE SUPPORT OF THE WISCONSIN HIGH SCHOOL FORENSIC ASSOCIATION FOR THE PERIOD 07-01-82 THRU 06-30-86 AT A $225,981 LEVEL
    
    EXT G EXT UW - MADISON ARTS (133-F659) 64,307.00

11. **OGILVY & MATHER PUBLIC RELATIONS NEW YORK, NY**
    
    GLAD DEMONSTRATION GARDENS
    
    EXT COOP E CO&AREA OFC-S E (133-G091) 1,000.00

12. **JOURNAL OF EXTENSION MADISON, WI**
    
    ADMINISTRATIVE SUPPORT OF THE JOURNAL OF EXTENSION FOR THE PERIOD 01-01-84 THRU 12-31-84
    
    EXT COOP E JRNL OF EXT (133-G749) 9,500.00

13. **PUBLIC BROADCASTING SERVICE WASHINGTON, DC**
    
    CABLE ROYALTY FEES FOR STATION SUPPORT
    
    EXT TELCOM WHA TELEVISION (133-H016) 34,119.13

14. **EDUCATIONAL COMMUNICATIONS BOARD MADISON, WI**
    
    PROGRAMMING ON ECB LICENSED STATIONS FOR THE PERIOD 07-01-84 THRU 06-30-85 AT A $434,518 LEVEL
    
    AWARD # P.O. #ECEO0378
    
    EXT TELCOM WHA RADIO (133-H297) 4,518.00
UNIVERSITY OF WISCONSIN - EXTENSION

EXTENSION AND PUBLIC SERVICE

15. EDUCATIONAL COMMUNICATIONS BOARD
MADISON, WI
PERFORMANCE PROGRAMMING - MUSIC/ART FUND
FOR THE PERIOD 07-01-84 THRU 06-30-85 AT
A $52,287 LEVEL
AWARD # P.O. #ECEO0378
EXT TELCOM WHA RADIO
(133-H298) 2,287.00

16. EDUCATIONAL COMMUNICATIONS BOARD
MADISON, WI
INFORMATIONAL PROGRAMMING FOR THE PERIOD
07-01-84 THRU 06-30-85 AT A $50,211 LEVEL
AWARD # P.O. #ECEO0378
EXT TELCOM WHA RADIO
(133-H299) 211.00

17. FRIENDS OF WHA-TV, INC.
MADISON, WI
PRODUCTION OF "FLW: THE RISK WORTH TAKING"
EXT TELCOM WHA TELEVISION
(133-H342) 5,770.00

18. OHMEDA
MADISON, WI
STUDY TO DETERMINE WARRANTY AND SERVICE COSTS
IN MANUFACTURING INDUSTRIES
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(133-H375) 1,000.00

19. EDUCATIONAL COMMUNICATIONS BOARD
MADISON, WI
SUPPORT THE MUSIC AND ARTS NETWORK FOR
THE PERIOD 07-01-84 THRU 06-30-85
AWARD # P.O. #ECEO0378
EXT TELCOM WHA RADIO
(133-H429) 48,472.00

20. CORPORATION FOR PUBLIC BROADCASTING
WASHINGTON, DC
FY 1985 TELEVISION COMMUNITY SERVICE GRANT
FOR THE PERIOD 10-01-84 THRU 09-30-86 AT A
$520,211 LEVEL
AWARD # CPB NO. 5221-50015
EXT TELCOM WHA TELEVISION
(133-H525) 90,658.00

21. CORPORATION FOR PUBLIC BROADCASTING
WASHINGTON, DC
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$241,191 LEVEL
AWARD # CPB NO. 5231-50025
EXT TELCOM WHA RADIO
(133-H526) 53,899.00

22. CORPORATION FOR PUBLIC BROADCASTING
WASHINGTON, DC
FY 85 TELEVISION INTERCONNECTION SUPPORT FOR
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EXT TELCOM WHA TELEVISION
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## Gifts, Grants and Contracts

**November 9, 1984**

### University of Wisconsin - Extension

#### Extension and Public Service

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FINAL REPORT

UNIVERSITY OF WISCONSIN SYSTEM

BIENNIAL WORKING GROUP ON FACULTY AND ACADEMIC STAFF COMPENSATION FOR 1985-87

OCTOBER 26, 1984
FINAL REPORT
UNIVERSITY OF WISCONSIN SYSTEM
BIENNIAL WORKING GROUP ON FACULTY AND ACADEMIC STAFF
COMPENSATION FOR 1985-87

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   D. Impact of Loss of Academic Support, Services and Student Counseling

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   D. Continued Examination of Fringe Benefits Needed

Record of Support for Higher Education in Wisconsin
Summary
Recommendations
TO: President Robert M. O'Neil
FROM: The Biennial Working Group on Faculty and Academic Staff Compensation for 1985-87
RE: Report of the Biennial Working Group

Attached is the report of the Biennial Working Group which you appointed to examine the current status of faculty and academic staff compensation, identify the issues and problems and make recommendations for consideration by the University Administration and the Board of Regents in developing their 1985-87 compensation proposals to state government.

During the current 1983-85 biennium, Governor Earl's Faculty Salary Study Committee recommended that "a special one-time provision should be included in the 1985-87 executive budget which would make faculty salaries more competitive." The Academic Staff Salary Study Committee, created upon direction of the Board of Regents, recommended that the same provision be applied to academic staff in order to make their salaries competitive. Following your guidelines, our examination of salary needs for 1985-87 has assumed that such "catch-up" provisions will be approved in the biennium. Therefore, the Working Group has focused its attention on what will be needed in the 1985-87 pay plan to provide salaries sufficient to "keep-up" with faculty and academic staff competition in the biennium. We cannot overemphasize the importance of "keep-up" salary adjustment that will maintain the competitive positions of the institutions in the UW System; otherwise, the state should anticipate a repeat of the disastrous problems which have occurred in recent years.

The Faculty and Academic Staff Study Committees also recommended changes in the pay plan process. This submission of the UW System pay plan proposal at an earlier date than has been the practice in the past follows those recommendations. The Study Committees recommended that the University submit and discuss its proposal for adjusting compensation and employee benefits along

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Sec. 230.12(3)(e), Wisconsin Statutes, provides that the Secretary of Employment Relations, after receiving recommendations from the Board of Regents, shall submit a proposal to the Legislative Joint Committee on Employment Relations for adjusting compensation and employee benefits for faculty and academic staff. The proposal may recommend across-the-board pay adjustments, merit or other adjustments and employee benefit improvements. The proposal as approved by the Joint Committee on Employment Relations and the Governor shall be based upon a percentage of the budgeted salary base. The amount included in the proposal for merit and adjustments, other than across-the-board pay adjustments, shall be available for discretionary use by the Board of Regents.
with its operating budget request to the Department of Administration prior to
the establishment of the State compensation reserve in the Governor's biennial
budget bill." In other respects, the study committee recommendations provide
that the Department of Employment Relations continue to be responsible for
recommending a compensation request and the Joint Committee on Employment
Relations establish the State pay plan amount for UW faculty and academic
staff and the Board of Regents be responsible for the allocation of pay plan
funds.

Given these proposals on the pay plan process by the salary study
committees, the Biennial Working Group has developed its recommendations to
the President so that they may be included in the 1985-87 biennial budget
considerations by the Board of Regents. We would suggest that a negotiating
team, including Regents, representatives of the Working Group and System
Administration, be appointed to be available for discussions and negotiations
as the biennial budget is considered by the Governor and the Legislature and
the DER recommends and JOGER establishes a pay plan.

We are prepared to meet and discuss this report with you at your pleasure.

Jim Hickman/Charles Bauer, Co-Chairmen
On behalf of the Working Group

EXHIBIT A--Transmittal Letter
ACCESS AND THE QUALITY OF EDUCATION IN WISCONSIN

The 1985-87 Compensation Plan will determine whether the University of Wisconsin System, competing for expertise in national and international markets, can recruit and retain quality personnel and whether the Universities can encourage and reward meritorious teaching, scholarship, and service. Therefore, this report on faculty and academic staff compensation discusses the future accessibility and quality of public higher education in Wisconsin.

In the middle of the coming biennium the "Class of 1990" will enroll. That poses a formidable challenge for those charged with making compensation decisions that affect the ability of the UW System to produce and deliver quality educational services in the next biennium. Their decisions and actions will significantly influence the course of higher education in Wisconsin through the next decade and well into the 21st century.

The faculty and academic staff have been, and still are, the lifeblood of the University System. They have contributed to the intellectual and economic welfare of Wisconsin as transmitters of knowledge, and as providers of research and technical assistance to virtually all sectors of the economy. Through the expertise of its faculty and academic staff, the UW System has supported economic development in the state and also has acted to attract new knowledge dependent enterprises to the state, a vital service given the economic outlook for the next few years. Post secondary education has been an economic investment that has paid off handsomely for Wisconsin.

University research has produced new technological and problem solving methodologies, which have had a positive effect on the state's economy. Likewise, provided with a renewed commitment by the state, the research performed by the System's faculty and academic staff will continue to serve the economy and attract new research funds to the state. This is significant since approximately $197 million dollars a year is attracted to the state by the UW System in federal and gift funds. Economically, higher education has helped make Wisconsin competitive in the national and international marketplace.
In providing relatively unrestricted access to higher education, Wisconsin's University System has helped to create a highly educated and competent work force that has attracted business investment. The opportunity for continuing education has been accessible to virtually all high school graduates and to an increasingly large number of non-traditional students. While access to high quality education may appear to some to be a luxury, it actually fuels the progress that will maintain the state's quality of life into the twenty-first century.

Even more important in the long run is the contribution of the UW System to nurturing the values that enhance the quality of our cultural environment and that ensure future generations will have a civilization worth maintaining. The University has taken seriously its responsibility to promote not only the material well-being but also the intellectual and aesthetic enrichment of the state's citizens. Despite more than a decade of austerity, the University System has fulfilled its traditional mission by helping to create a citizenry that is rich in ability, productivity, and creativity.

What kinds of educational programs will the sons and daughters of today's taxpayers need in 1990 and beyond? This question is difficult to answer. But responding to it has been and will continue to be the primary responsibility of the faculty and academic staff of the University.

University personnel must be able to respond to the new educational needs created by the changes that have affected the economy of the United States in recent years. They bear a responsibility to provide the opportunity for Wisconsin's young men and women to acquire the intellectual and creative skills necessary in tomorrow's society. It is essential that System personnel help to maintain and enhance Wisconsin's most valuable economic resource: its very productive and highly skilled labor force. The development of academic programs, research, and quality teaching is crucial in determining the future productivity of Wisconsin's work force.
The ability of the University System to continue to respond to the needs of the state is now more than ever dependent upon recruiting and retaining competent faculty and academic staff and on rebuilding staff morale. Low non-competitive starting salaries, minimal pay increases, and salary compression over the last decade have all contributed to the deterioration of faculty and academic staff morale. The seriousness of this compensation problem for the University faculty and academic staff is reflected in the loss of some of its most qualified personnel, and by the declining ability of the University to attract and recruit highly capable individuals. Competitors from industry and other universities have raided the UW System to such an extent that the current faculty and academic staff are finding it very difficult to continue fulfilling their mission. As a result, the traditional high quality and wide accessibility of the University of Wisconsin System is now imperiled. The quality of the faculty and academic staff will determine whether the UW System can continue to deliver outstanding educational services, generate cost-defraying extramural support for System operations, and contribute to the economic vitality of the State. The compensation needs of the System cannot be ignored without seriously damaging the overall quality of its programs.

To construct a quality university system takes generations of public-spirited support and sacrifice. To weaken such an institution takes a lack of attention for only a short time. The current erosion of quality will continue unless the challenge of supporting higher education is once again met by the citizens of Wisconsin.

While it is the faculty and academic staff who are being asked to prepare to meet society's challenges to the "Class of 1990" and beyond, it is today's citizens and political decision-makers who will determine the capability of the University's personnel to respond to the task at hand. The decisions they make will be decisive for the future of quality higher education in the State of Wisconsin.
IMPACT OF FACULTY AND ACADEMIC STAFF LOSS
ON ACCESS AND QUALITY

The continuing deterioration in compensation which has weakened the competitive position of UW institutions has resulted in growing difficulties in recruiting and retaining UW faculty and academic staff. The Report on Compensation-Induced Problems by the 1983-85 Working Group, the Governor's Faculty Compensation Study Committee and the Academic Staff Salary Study Committee have documented in detail for every institution, "low salary increases, low starting salaries and better promotional activities elsewhere" as the primary cause of the recruitment and retention problems. UW institutions continue to report compensation-induced problems with increasing departures of critical staff and inability to adequately recruit replacements. This continued erosion will increasingly have an impact on the quality of education. With this concern in mind the Working Group, in the course of its review of compensation, completed a survey to determine the impact of faculty and academic staff loss on the ability of the Universities to provide quality education, research and service to the State. The review of campus experience clearly demonstrates that the continued academic reputation and the ability to perform research and public service depends on retaining and recruiting quality faculty and academic staff.

The consequences of faculty and academic staff leaving due to salary restraints have been summarized in four categories including: problems of student access, economic loss to the state, threat to reputation of departments and loss of academic staff service.

A. Problems of Student Access

Because of loss of faculty, rapid turnover, and difficulty of recruitment for some positions, students often have not been able to enroll in classes necessary to complete a major or have had to remain at school for extra semesters in order to fit the limited spaces in infrequently or erratically offered courses. When class size is enlarged to accommodate more students with fewer faculty, the consequence is less individual attention in the classroom, in the office and in career conferences. Off-campus students have fewer choices and opportunities for education in their home communities as more professors are unable to take on the added burdens of extra preparation and travel.
The following are some of the examples that have been reported:

* **UW-Oshkosh** Only one of the three departing chemistry professors has been replaced. Therefore, two areas of specialization are currently unavailable to students. UW-Oshkosh also reports similar staffing problems in mathematics, management information systems, social work, accounting, computer science, psychology, religion and philosophy. UW-Oshkosh has dealt with some problems by the use of overloads and ad-hoc hiring. While people so-hired are good teachers, other difficulties accompany such adjustments: "Faculty overloads compress the time available for research, service and class preparation. Ad-hoc faculty often can only teach in the evening hours, limiting student access; eliminating regular office hours; and lessening opportunities for individualized assistance to students."

* **UW-Eau Claire** reports that access to Management Information Systems (MIS) Department courses has been restricted because of salary related losses of MIS faculty. This ten-member department lost six faculty members, two at mid-year and four at the conclusion of the 1983-84 academic year, to industry and other higher education institutions. MIS is a relatively new discipline; consequently the supply of new faculty is exceedingly small. This has led it to limiting the number of students it can accept and still "teach with the quality we believe appropriate for academic excellence."

* **UW-La Crosse** indicates they are losing "highly accomplished, tenured professors" to business schools across the country. The magnitude of losses and turnovers cannot be withstood if the "business administration programs are to remain viable and creditable." UW-La Crosse also has noticed "a decline in the number of candidates for academic staff positions in sociology, anthropology, and speech and theatre." The Director of Extended Education at UW-La Crosse reported fewer faculty volunteering to teach off-campus courses. This trend will limit the availability of many courses in communities across the state.

* **UW-Stout** reports increasing difficulty in recruiting faculty for their unique programs. Consequently, they are reducing the number of students admitted to their industry-oriented programs.

* **UW-Platteville** The Computer Science Department has been seriously impacted by salary related resignations and salary related recruitment problems. Four faculty members, two of whom held doctorates and two with masters degrees, left the department in May, 1984. The two who had Ph.D.'s in computer science accepted positions with academic year salary increases amounting to $11,000 to $12,000 over their 1984-85 salaries.
The vacant positions were advertised nationally twelve different times as tenure track positions at the Associate Professor or Professor rank and, in fact, a department chair position was also advertised. None of the applicants for the positions held a doctorate in computer science. All applicants with master's degrees in computer science were invited to interview and those that accepted the interview, with one exception, were offered a position at a salary substantially above the current average for the rank at UW-Platteville. All but one rejected the offer because UW-Platteville's salaries were far lower than those offered elsewhere.

* UW-Green Bay has had difficulty in recruiting in highly competitive fields and consequently has unfilled positions. This endangers its graduate program in Community Health Services and its undergraduate program in Community Nutrition.

The chairperson of Business Administration reported that growing enrollments and insufficient numbers of faculty forces enrollment limits on key advanced courses. Although only one course out of 61 was closed in the fall of 1981, by spring 1984, 29 out of 56 were closed, thereby severely reducing the access of students to needed work. The only alternative would have been to expand class size to 80 or more which would result in a reduction in the quality of the programs.

In the area of public service and off-campus teaching, UW-Green Bay has had success with its Associate Arts degree program at the Green Bay Correctional Institution, but recent resignations threaten "program scope and sequence." In regard to the two American Indian communities nearby (Oneida, Menominee), a few devoted faculty continue to offer courses at Oneida, but "all credit programming at Keshena was suspended after 1980-81" because of lack of faculty resources.

* UW-Madison reports that only about a third of the freshmen entering the university with a pre-business classification and indicating they would like to major in Business, can be admitted to the School of Business in their junior year. The School of Business has lost five faculty in the past year and recruitment and retention of the faculty needed to maintain their program is becoming an increasingly serious problem.

* UW-Stevens Point reports several departments were unable to hire qualified faculty and academic staff after conducting nation-wide searches. The Department of Psychology was unable to hire an individual in testing and measurements. Three different candidates were offered contracts but all declined, accepting positions at other universities. Eight other openings at UW-Stevens Point could not be filled, and the courses associated with those openings are being taught by part-time teaching academic staff.
UW-Milwaukee continues to experience difficulty recruiting and retaining highly qualified faculty in a wide variety of academic fields and disciplines. During fiscal 1983-84, the university lost almost fifty faculty. The problem is particularly severe in Architecture, Engineering, Business Administration, the health sciences, and selected departments in the College of Letters and Science. The Economics Department, for example, reports the resignation of four and one quarter faculty (one person on joint appointment with the Department of Urban Affairs) in the past six months and their replacement by ad hoc instructors has resulted in lower quality teaching in both undergraduate and graduate courses, and a disruption in the research program. Areas affected are urban economics, industrial organization, natural resources and energy economics, and public finance— all crucial to the department's teaching, research and service mission. These faculty resigned to take higher paying positions in other universities, business and government. In some instances, personal preference played a role. Further, the department was unable to hire two faculty in authorized positions in labor and in monetary theory.

B. Economic Impact of Faculty Loss to the State of Wisconsin

The technical expertise and reputation of the University of Wisconsin System faculty has generated millions of dollars in research grants, but the University's ability to obtain grants is jeopardized by the loss of key faculty. UW-Madison reports that of 164 faculty who reported this year receiving "substantial" offers from other institutions or industry, 42 left, some agreed to stay, others have not decided. Those who departed had active gifts and grants totaling over $2 million. Of the total of $158 million that came to UW-Madison for research and development, $40 million was generated by 50 of the highest paid faculty members.

This situation was further exemplified in the Department of Bacteriology and Microbiology at UW-Madison when three renowned faculty members left, resulting in a loss of 42 percent of the Department's outside research funds, or $1.5 million dollars in extramural grants. These outside research funds supported 17 of the Department's 54 graduate students. The loss of another noted microbiologist has just been announced. In moving to the University of California-Irvine, he will take with him 20 employees and $990,000 in outside funding.
The support work provided by academic staff is also frequently key to maintaining the University's ability to attract large outside grants to Wisconsin. For example, the UW-Madison Space Science and Engineering Center must have electrical engineers and computer programmers to continue work on its contracts with NASA for the Manned Space Flights ($6 million), and the MCIDAS (Man-Computer-Interactive-Data-Access-System) weather forecasting system ($1 million). The Physics Department has a $4 million dollar grant in high energy physics whose development was hindered by the loss of two experts who specialized in building particle detectors for accelerators. The Clinical Cancer Center has had difficulty recruiting and retaining the statisticians and computer programmers needed to support their analysis of the patterns in the occurrence of cancer.

Highly specialized teams of research and Extension staff have provided vital technical assistance in building Wisconsin's agricultural production and marketing system. Recently the Department of Meat and Animal Science at UW-Madison lost their nationally recognized team of beef cattle nutrition and breeding scientists. This team has assisted Wisconsin's beef producers in building the nation's leading dairy-beef and special veal feeding program and increased beef cow numbers over 49 percent from 1972 to 1980. Without available faculty, the state wide beef management Extension programs had to be eliminated, the research field days cancelled, UW Performance Testing dropped, and critical research studies interrupted. Wisconsin beef organizations have requested immediate assistance from the University as Wisconsin became a fed beef deficit state and state meat packers were forced to import thousands of fed cattle to meet processing needs. This situation is at least partially due to the loss of these UW leaders and researchers.

The technical knowledge and resources of the University are utilized by the State of Wisconsin to attract, expand and retain industry. For example, the UW-Madison Electrical Engineering School has worked closely with numerous biomedical firms throughout Wisconsin on
of digital computers to this field. Nicolet Instrument Company is working with faculty members on a $100,000 instrument which analyzes brain waves and helps diagnose hearing and vision defects in new born infants. Other biomedical firms which have sought advice include the Burdick Company, Ohio Medical, Tracor Northern and Astronautics. The Department reports a great scarcity of people with the expertise to help these firms; it lost a key faculty member in the field of computer architecture last year and is having great difficulty in recruiting, particularly in computer related fields.

Not only are the faculty in Electrical Engineering in demand, but also more and more industries have expressed a need for more engineering graduates who can help adapt Wisconsin industries to changing technology. For example, the Trane Corporation of LaCrosse has expressed a need for electrical engineering graduates who can help them put microprocessors into their air-conditioning units, as the Japanese do. Small engine manufacturing, an industry in which Wisconsin leads the nation (firms include Briggs and Stratton, Tecumseh Products, Kohler Company, Mercury Marine, Evinrude Motors, Johnson Outboards and the Waukesha Engine Division of Dresser Industries), has similar needs in order to remain competitive.

At UW-Milwaukee, the College of Engineering and Applied Science in the past year has lost a number of highly qualified and capable faculty members who now could have been providing invaluable assistance in the industrial and economic recovery of the state. In all instances, inadequate economic support, and particularly very low salary levels, were the primary reasons for these resignations. Of the numerous losses, two deserve special mention as representative. The first was a faculty member with exceptional expertise in foundaries, an area of specialization essential to Milwaukee based industry. The second was the Department of Electrical Engineering and Computer Science's only professor and recognized expert in the field of digital signal processing, an area critical to the development of the medical systems industry in Milwaukee.
C. Impact on the Reputation of Nationally Ranked Departments and Centers

The University of Wisconsin-Milwaukee School of Architecture and Urban Planning contains the only accredited professional architectural program in the State of Wisconsin and has been designated as a Center of Excellence. The School has earned a national and international reputation in its short 15-year history. The School contains a number of high quality programs, its faculty and students are winning increasing numbers of research and design awards, and the School undertakes teaching, research and public service directed toward the University’s urban mission. The School of Architecture and Urban Planning is relatively small, with only 32 full-time faculty members, and to lose four highly specialized key people to other universities and the private sector, as has happened during the past two and one-half years, affects the ability to maintain high-quality programs. Replacing exceptionally skilled persons in today’s market for top designers and specialists is proving especially difficult. The expanding reputation of the School will mean even more outside offers and increased competition for the School’s highly talented faculty. The resultant need to appoint visitors, part-time faculty and junior faculty members will impact on the School’s ability to maintain a national reputation and to capitalize on the momentum that this young School has generated in recent years.

UW-Madison’s Sociology Department, which was top-ranked according to the recent comprehensive study of quality done by the National Research Council, lost five key faculty members in 1983-84. In the last three years, the Department has lost a total of nine faculty, all to other universities. This year, the Department lost its two mathematical sociologists, a field which is called the “high tech version of sociology,” its expert in the theory of complex organizations, its coordinator of the undergraduate internship in analysis and research gives students “hands on” experience in state government, and one of the key people in the Center for the Study of Social Structure and Change.
D. Impact of Loss of Academic Support, Services and Student Counseling

Trained, professional counselors, program coordinators, student financial aid and admission counselors can make a great difference in student decisions on whether they can afford to attend college, whether the curriculum of a particular institution fits their needs, what courses they should be taking to enter college, and many other factors. In short, good counseling can be a key factor in access to higher education.

The UW-Waukesha Center lost all of its four student counselor/advisors in a period of six months. All went elsewhere for salary increases from 30 to 60 percent. These individuals performed the financial aids and admissions counseling for UW-Waukesha. When they resigned, many of the financial aid forms for the Center were delayed because they had to be sent to the UW Center's Madison office for processing. In addition, the limited experience of staff used during the interim hindered their ability to provide students with on-site advice in applying for financial aid, the technicalities of filling out forms, the kind of requirements which must be met, etc. Similar problems were encountered with admissions advising and with advising relating to transferring to another institution after two years at UW-Waukesha. While each of the individuals have been or will be replaced, the knowledge which they had of the workings of the financial aids system, or of the credit transfer requirements, will take several years to replace. In the meantime, it is really the students who are adversely affected.

Similar losses of academic staff student counselors who resigned for higher salaries have occurred at UW-Madison Pharmacy School, UW-Parkside and UW-Milwaukee's engineering programs. These counselors advise students, teachers and parents of prospective students about enrollment possibilities, course requirements, costs, financial aids, etc.
FINDINGS OF THE WORKING GROUP

A. COMPETITORS REAL INCOME EXPECTED TO RISE

With political leaders in many states seeking to strengthen their public universities in order to promote economic growth and development, the recent improvement in real salaries nationwide should be expected to continue, at least through the coming biennium. In other words, university salaries nationwide should be expected to again rise in real terms.

University salaries in competitive institutions have begun to rise across the country in real terms in contrast to the continued decline in real income of UW faculty:

* In 1983-84 average faculty salaries nationally grew about 1% in real income while UW salaries lost about 3%.

* Average faculty salary increases for peer institutions in the analysis groups used by the Governor's Faculty Salary Study Committee have increased by 2-3% more than the estimated inflation rate for 1984-85.

The consensus of economic forecasts for the next biennium (1985-87) project an inflation rate of over five percent in the first year and approximately 6% in the second year and a real growth rate of about three and one-half percent each year.

B. THE REAL INCOME OF UW FACULTY AND ACADEMIC STAFF HAS DECLINED.

Real income of UW faculty and academic staff continued to decline in the 1983-85 biennium. In all but one year since 1972-73, the total percentage increase authorized for UW salaries has not been sufficient to cover the increase in the cost of living let alone reward meritorious accomplishments, fund promotions and meet competitive market conditions or other compensation needs. As a result, the real income of faculty and academic staff has declined significantly compared to professional groups and non-farm groups.
Figure 1 compares the changes in real income of UW System professors to comparable professionals, and to private non-farm workers in the United States for the period from 1966-67 through 1982-83. For simplicity, only data for UW System professors are shown in the chart. Other faculty ranks have experienced similar declines during this period. Academic staff have been included in the same pay plan as faculty and have been affected relatively the same over the period.

* Real income of UW System professors declined by about 25% since 1966-67, especially in the last decade.

* Real income of private non-farm and comparable professionals increased by 4.0% and 2.7% (1982-83), respectively, since 1966-67.

* Real income of UW System professors again dropped significantly in 1982-83 and 1983-84 following a brief increase due to the lessening of inflation in 1981-1982.

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C. UW FACULTY AND ACADEMIC STAFF SALARIES DO NOT COMPARE FAVORABLY WITH OTHER PROFESSIONAL AND TECHNICAL GROUPS

The UW System competes for faculty and academic staff not only with other educational institutions but also with public and private sector employers. Demands for qualified staff are exacerbated by increased enrollments in fields such as business, computer science and engineering and also by demands for professional and technical personnel in these same fields in the public and private sectors. The UW System institutions have attempted to meet these pressures by reallocating their resources to the extent possible, but they have stretched their capability to the limit because of inadequate pay plans in the last decade, particularly in this biennium.

Figure 2
1982-83 AVERAGE SALARY
UW FACULTY AND PROFESSIONALS IN PRIVATE INDUSTRY

Figure 2 compares the 1982-83 average salaries of UW System faculty in each rank to those of accountants, attorneys, chemists and engineers with similar responsibilities and training.

* Salaries in the private sector for positions with comparable responsibilities are from $7,000 to $20,000 higher on an academic year basis.
Figure 3 expresses the dollar differences between average salaries of UW professors and those paid to comparable professionals.

* The gap between faculty salaries and salaries of comparable professionals in the private sector has increased steadily since 1966-67 and dramatically since 1972-73.

* In 1967-68, average salaries of professors were $999 less than those in the private sector; by 1983-84, the gap had grown to $19,033.

* In 1967-68 average salaries of professors were 94% of salaries of comparable professionals; by 1983-84 the difference dropped to 64.8%.

* The dollar gap can be expected to again widen in 1984-85 as a result of a salary increase (3.84%) less than the inflation rate.
D. CONTINUED EXAMINATION OF FRINGE BENEFITS NEEDED

In its 1983-85 report the Working Group identified two fringe benefit problems which contributed to a poor competitive position in UW faculty and academic staff fringe benefit compensation. Improvements approved by the Governor and Legislature in this biennium in the retirement formula multiplier has moved the State's standing nearer to the median of other states. However, these improvements will cost employees an additional 1% contribution beginning January 1, 1986. Also, changes in the state health insurance program approved by the Governor and Legislature have begun to stabilize the skyrocketing increases in costs which preempted funds available for compensation and other needs.

We commend the Governor for his declared intention to make health insurance savings available for salary adjustments.

While there are elements of the retirement and life insurance programs which should be improved because they act as impediments to recruitment, the major recommendation of this report is to give top priority to improving the competitive position of UW System salaries.
Historically, higher education in Wisconsin has been greatly prized by the residents of the state who have placed a high priority on access to higher education. Despite the historical commitment to higher education, our relative ranking among state-supported universities has substantially declined over the last 10 years in financial support per student enrolled. At the same time the ranking of the state in the percent of the total population enrolled in higher education has increased.

![Graph showing changes in Wisconsin's ranking among 50 states in appropriations per FTE student and ratio of public higher ed. enrollments to total population.](image_url)

As Figure 4 shows, Wisconsin's ranking among the states in appropriations per FTE student in higher education dropped from a high of fourth among the 50 states in 1973-74, to 36th in 1981-82, and increased slightly to 35th in 1982-83, the last year for which data are available. This occurred in the same period that Wisconsin's ranking among the states in the percent of the total population enrolled in higher education increased from 12th in 1973-74 to fourth in 1982-83 (also shown on Figure 4).
SUMMARY

The deterioration in faculty and academic staff compensation which was documented in great detail in the Report of the 1983-85 Working Group has worsened in this biennium. The Report this year of the Governor's Faculty Salary Study Committee and the Academic Staff Salary Study Committee provide further and later evidence of the declining competitive salary position of UW System institutions. Drawing upon information from these studies and its own analyses and survey, this Report of the 1985-87 Working Group presents a current review of the status of faculty and academic staff compensation and assesses its importance and impact on the quality of UW System programs. The following statements summarize the findings of this report.

* The future accessibility and quality of public higher education in Wisconsin as well as the ability of the UW System to respond to the needs of the state are more than ever dependent upon recruiting and retaining competent faculty and academic staff.

* The growing inability to keep pace with competition in recruiting and retaining faculty and academic staff because of the erosion in compensation has begun to noticeably impact upon the ability of the Universities to provide quality education, research and service to the state. Institutional experience indicates the following impacts:

  - On student access when students are unable to enroll in required classes or class size is enlarged to accommodate more students with fewer faculty.

  - On the economy of the state when key faculty leave and take with them research grants and other employees or when the loss of key staff limits the University's ability to respond to the needs of the state's industries.

  - On the strength and ranking of major departments often critical to a special mission of a university when its faculty leave.

  - On the advice and counseling so essential to students' decisions about their academic plans when expert and knowledgeable staff leave for higher salaries at other institutions or public schools.

* University salaries nationwide can be expected to continue to rise in the immediate future at a level somewhat above the rate of inflation.

* UW institutions increasingly report inability to retain critical staff in the face of competitive salary offers. The real income salary of faculty and academic staff has declined significantly in the last decade, especially when compared with the experience of other professional or private non-farm workers, and has left Wisconsin's universities in a poor position to compete in the retention and recruitment of faculty and academic staff.
* Serious difficulties are being encountered in recruiting competent faculty and academic staff. Where recruitment has been successful, it has often required the appointment of new personnel at salary levels substantially in excess of that of current personnel of comparable or greater experience, rank and ability.

* Faculty and academic staff salaries in the UW System have significantly deteriorated in relation to other educational institutions and other professionals in private industry with comparable experience and education.

* While the improvement in the retirement formula multiplier in this biennium has moved the state's standing nearer to the median of other states, the cost to the employe will increase by 1% beginning in January 1, 1986.

* The compensation needs of faculty and academic staff of the UW System can no longer be ignored without threatening public higher education in Wisconsin. Salaries must be brought up to a competitive level. Once "caught-up" the biennial pay plan should provide salaries sufficient to "keep-up" with competition in the biennium.
RECOMMENDATIONS

Improving the competitive position of UW System salaries should be the primary goal and priority in the 1985-87 UW System biennial budget.

The Working Group assumes that the "catching-up" of faculty and academic staff salaries will be a matter of high priority which will occur during the 1985-87 biennium.

The Working Group makes the following recommendations aimed solely at "keeping-up" faculty and academic staff salaries with academic and professional competition in the biennium:

1. An 8.5% increase in the first year of the 1985-87 biennium.
2. A 9.5% increase in the second year of the 1985-87 biennium.
3. The Board of Regents be authorized to allocate the funds appropriated for salary increases.
A biennial budget request offers a unique opportunity to describe hopes and aspirations as well as to request needed resources. This request does both. It represents our assessment not only of continuing needs in many areas of university activity, but also our sense of ways in which we might help to improve the quality of life in Wisconsin, the economy of the state, and strengthen the links between the University System and the citizenry. It is, in short, a statement of potential as well as of priorities for the next two years.

The materials which follow reflect many months of effort on the part of hundreds of faculty members and administrators at the campus and system level. In the course of preparing this request, we reviewed many more meritorious proposals than could be included in a budget of reasonable dimensions. Even those items which do appear here have been reduced in scale, tempering hope with realism to produce what we believe to be a responsible biennial budget package.

This request differs in several ways from those that preceded it. Some of the differences are procedural, while others are substantive. In the last biennium, for example, only about 25% of our proposals reflected major substantive priorities and initiatives (in contrast to essentially technical adjustments); in this request, almost 60% of the total amount is requested for such purposes. Perhaps the most significant departure from prior practice is the combining of general operating and compensation requests; in the past, salary proposals have been deferred until the late spring of the following year, possibly implying that compensation was less urgent than other needs. For 1985-87, following the unanimous recommendation of the Faculty Compensation Study Committee, we are submitting together the requests for both operating and salary budgets.

The content of the compensation request also differs markedly, since it includes a substantial item for "catch up" as well as the regular proposal for pay plan supplements. Indeed, much of our attention in recent months has focussed on the "catch-up" issue, following the widespread public
appreciation last year of the serious erosion of our faculty and academic staff salaries. Building on the findings and conclusions of the Faculty Compensation Study Committee we have developed specific recommendations which, if implemented within the biennium, would effect significant improvement in our salary structure by 1987 — although, for reasons noted later, would not fully redress the historical erosion of faculty salaries.

If compensation is our first and most urgent priority, as clearly it is, we have also identified several other critical needs in this proposal. Since 1983, we have made substantial progress in improving support for libraries, equipment and supplies, and other instructional support areas — reflecting the central mission of our University System. Even if enrollments had remained static or had declined (as earlier predicted), substantial needs of this sort would remain after the splendid start we have now made. But the enrollments, as you well know, have been anything but static. In fact, the addition of some 5500 students beyond those for whom we budgeted two years ago has compounded our needs in those areas that are at the core of our educational mission.

Later in this document we will detail some of the enrollment-generated problems. Let me simply mention here one of the most dramatic indicia. An undergraduate student in the UW System, we have found, now takes an average of nearly one and one half semesters longer to complete a baccalaureate degree than was the case in 1978-79 — a result mainly of the unavailability of needed courses, with costs both tangible and intangible for students, their families, the university and the state. For these and other reasons, we have again placed major emphasis on the "workload" dimension of our instructional request, and would seek relief both in additional faculty positions and related supporting funds.

The instructional portion of our request reflects other critical needs. Library materials remain the lifeblood of a university. In the current biennium, with substantial increases which Governor Earl and the Legislature made possible in our library budgets, we have already increased the acquisition rate from 30 volumes per faculty member to 31.5. The request now before you would improve the acquisition rate to 35-38 volumes per faculty member by 1987.

Similar considerations apply to the balance of our instructional budget request. We recommend modest support to begin implementing the recommendations of the Teacher Education Task Force, of which you received a summary last month from former Executive Vice President Kauffman. Full implementation will be more costly, but we felt we should begin with an initial installment upon which we could build in the future, while assessing progress in improving the preparation and continuing education of teachers.

Finally, we include here a significant item for continued improvement in instructional laboratory equipment and academic computing — two especially critical needs which have been well documented in preparing our request, and will be fully described in the materials which follow.
Beyond the instructional category, we have combined additional needs into several major separate headings. Within "Advanced Technology and Service," for example, we grouped proposals as diverse as economic development programs, telecommunications equipment and other UW-Extension priorities, support for the Agriculture and Natural Resources Consortium and for the La Follette Institute for Public Affairs. The recently created UW-Madison Biotechnology Center would receive state funding under this proposal. Here the theme is unmistakably one of economic development, reflecting the current needs and hopes of the state, and building on unique strengths of faculty and other resources already in place. A relatively modest additional investment would yield substantial benefits for economic growth and development.

A major request for improving the recruitment and retention of minority and disadvantaged students should come as no surprise. In July you received and approved the Joint UW System/DPI Committee report on this subject, with the clear expectation of a biennial budget request to follow. The current proposal is below the level envisioned by the Committee report simply because the figures contained there (including both UW System and Department of Public Instruction programs) presupposed a full biennium of operation. With approval of such a request not likely until the late spring of 1985, we would anticipate substantial implementation in the second year of the biennium, and primarily for that reason have modified the total request. Nonetheless, the improvement of our minority recruitment and retention remains a critical priority; we would anticipate additional requests and continued efforts in future biennia.

The School of Veterinary Medicine is now in operation, and has enrolled its first two classes. The coming biennium will complete the staffing and enable the School to serve all four classes, with clinical programs both at Madison and at River Falls. For that purpose additional positions and a modest budget increase are requested.

The remaining items in the operating budget request are of a more technical nature, though clearly related to our ability to serve additional numbers of students, meet mounting costs of instructional and other materials, open and staff new facilities now nearing completion, and meet our ongoing obligations for utilities and debt service. The nature of each of these requests is fully explained in the accompanying materials.

While the level of this proposed increase—some $41.9 million GPR—may seem substantial, it represents (exclusive of compensation adjustments) only 3.7% of the current biennial base budget. Of the recommended increase, in fact, roughly 40% or $17 million is essentially for "costs to continue" which reflect little discretion or imagination. It is the remaining 60% (about $25 million GPR) which responds directly to critical needs of the time—economic development and related research and service, better support of disadvantaged students, expansion of library collections, improved telecommunications equipment, and the several other priority areas.
I. Unclassified Staff Compensation: Becoming Competitive

The request for faculty and academic staff compensation comes to you in two parts. The first part is a proposal to make University of Wisconsin System faculty and academic staff salaries more competitive with those of peer institutions in other states. This request results directly from the work of two groups—the Faculty Compensation Study Committee appointed by Governor Earl in the fall of 1983 (through its report last spring), and the Academic Staff Salary Study Committee which I appointed at your direction last summer and which reported in September. Both bodies found that current salaries of our faculty and academic staff were seriously out of line with appropriate peers, and that the disparity would worsen during the current biennium. Accordingly, they urged that steps be taken as soon as possible to remedy the deficit. Both committees also urged that salaries, once "caught up," be "kept up" through systematic review in future biennia.

We have approached the "catch-up" issue with several goals. First, it seemed essential to complete the process by the end of the coming biennium—so that our salaries would be "caught up" not later than June 30, 1987. Despite earlier concerns that a disparity which had developed during a decade or more might require more than two years to redress, we now hope that this initial goal can be achieved. Second, it seemed essential to begin the process within the first year of the biennium. Third, however, it seemed unlikely—despite the strong commitment for this purpose by the Governor and legislative leaders—that full "catch up" could begin at the start of the biennium, but would need to be phased in during the biennium. Fourth, it is apparent that not all persons within the academic staff can be included to the same extent in the "catch-up" process. Finally, we have assumed that the Governor and legislature would expect a reasonably detailed proposal from the Regents regarding the internal distribution of "catch-up" funds, limited by the dollar target which we understand to be the maximum likely to receive requisite support from the Governor and the legislative leadership.

Before outlining the details of our proposal, one cautionary comment seems essential. While we have used throughout our discussion the term "catch up," it is for several reasons a misnomer. For one, the target set by the two compensation study committees was only the midpoint of the chosen peer groups—not a higher target which many would argue the superior quality of our institutions, their faculties and staff would warrant. Second, the peer groups used by the two committees were themselves chosen from alternatives, some of which would have been more favorable to and arguably more representative of the quality of our institutions. Third, becoming competitive with mean salaries in the academic profession means at best parity within a depressed sector; the recent report of the National Task Force on Excellence in Higher Education noted, for example, that the faculty salaries nationally now lag at least 20% behind those of other professions and occupations. Finally, of course, being "caught up" for the future includes no redress for the years of deprivation which both study committees found through their longitudinal analysis. Yet, while "catch up" does not mean that complete redress can be achieved by implementing the proposals of
the two compensation committees, it is nonetheless a vital step for which Governor Earl's support is both essential and deeply appreciated by the University community.

The specific proposals which follow reflect in principal part, and are consistent with, the findings and recommendations of the two compensation study committees. The targets for "catch up" adjustments are the midpoints of the appropriate peer groups, refined by data recently gathered about actual 1984-84 salary levels of peer institutions, and with several modifications described more fully in the notes which follow.

In order to assess this proposal, several questions and brief answers to them may be helpful:

1. How would the catch up proposed here be phased during the biennium, if the rates are to reach the target levels by the end of the biennium?

   Answer: The first installment would be 40% of the total catch up and would occur on January 1, 1986 (or at the start of the spring semester). A second installment of an additional 30% would occur on July 1, 1986 (or at the start of the fall semester), and the final installment of the remaining 30% would occur on January 1, 1987 (or at the start of the spring semester). Thus the rates would be at the target levels by the middle of the second year of the biennium, and 70% of the rate increase would occur by the start of that fiscal year.

   The attached table outlines the estimated cost of the plan according to the phasing schedule just described.

2. What groups of academic staff would be included in the proposed "catch up"?

   Answer: Since the available funding does not make it possible to include all members of the academic staff within the "catch up" proposed for the coming biennium, priority should be given to those academic staff whose qualifications and responsibilities most closely resemble those of faculty, and whose functions are most unique to the academic community and most directly supportive of the instructional, research and service missions of the university.

3. Why is a uniform percentage increase not recommended for UW-Extension faculty?

   Answer: Provision should be made for UW-Extension faculty "catch up" on an essentially geographical basis. Those persons who are based in Madison, and/or presently or potentially integrated with the UW-Madison, should generate the "catch up" adjustment designated for UW-Madison faculty. Those based in Milwaukee would generate the "catch up" level designated for the UW-Milwaukee, and so on throughout the UW System.

4. Is not the increase proposed for University Cluster faculty substantially higher than the figure envisioned by the Faculty Compensation Study Committee?
Answer: It is in fact somewhat higher, and for several reasons. For one, a technical recalculation (including such factors as conversion of all personnel to a common calendar for base salary purposes) would produce a University Cluster increase of at least 6% vis-à-vis the peer group, rather than the less than 5% which the initial data generated. More importantly, the University Cluster Chancellors and their faculty leaders have argued convincingly that the distinctive contributions of their institutions to teaching, scholarship and service in Wisconsin were insufficiently recognized by the initial comparisons. The use of alternative peer groups (such as those contained in an Appendix to the Report of the Faculty Compensation Study Committee) would also have yielded a higher catch-up figure for University Cluster faculties.

5. Would this proposal increase the dollar differential between University Cluster and Doctoral Cluster salaries?

Answer: Yes, it might, although the actual extent to which the gap would widen depends upon the internal distribution at each institution. If, for example, the doctoral institutions favored junior faculty, as they did in allocating the Faculty Recognition Fund two years ago, the differential would presumably be mitigated. Moreover, any increase such as the normal pay plan supplements would cause some widening of the dollar differential.

6. Is the current dollar differential the result of historic favoritism to the doctoral institutions, and especially to UW-Madison?

Answer: If anything, the reverse may be the case. In 1967, for example, the ratio of Madison:University Cluster full professor salaries was 1.33:1. Today that ratio is 1.21:1. The principal factor in that narrowing was a conscious state policy in the years between 1967 and 1973 to raise salaries for the Wisconsin State Universities faculty by a larger percentage than for the University of Wisconsin faculty—a total differential of more than 9% during those years in favor of the WSU institutions. Since merger, all institutions in the UW System have received the same percentage of the salary base for annual increments (with the exception of some $250,000 allocated under the Faculty Recognition Fund in 1983). Had the post-merger parity applied prior to merger (as it did before 1967) the current differential between doctoral and university clusters—at least the former WSU institutions—would presumably be greater than it now is.

7. What is the policy of other states toward such differentials?

Answer: The differentials vary, although we have found no state in which a substantial difference between public doctoral or major research campus salaries and those of other state universities does not exist. In some states, the full professor differential is larger—$11,460 in Illinois, $11,103 in North Carolina, $9,866 in Texas, and $8,504 in Washington (using 1983-84 figures, the latest available). Moreover, the difference in dollars at the associate and assistant professor ranks is typically larger than are these differentials in Wisconsin. Clearly these
other states recognize the educational soundness of such variations, appropriate to mission and relevant institutional characteristics.

8. Would the proposed catch-up plan put the Wisconsin salary structure out of line with other states?

Answer: Because we do not know the details of current pay plans in other states, extrapolations are problematic. But we would expect, for example, that the California differentials would widen markedly as a result of the substantially different increases proposed for University of California and California State Universities faculty. For other states we have assumed a uniform pay plan in the coming biennium at all state institutions; the resulting Wisconsin differential would be well within the range of peer states and systems, both in dollars and in percentages. (Here again, we assume that the same share of the "catch up" would go to all ranks across the System—an assumption which, for reasons noted earlier, may not be accurate.)

With this background and explanation, we present a major recommendation for making our faculty and academic staff salaries more competitive through the 1985-87 biennium. Implementation of this proposal would represent a most welcome response by state government to a condition which is clearly not the product alone of the last biennium, but which desperately needs to be redressed as soon as possible. Such a response would undoubtedly enhance morale and commitment among our faculty and academic staff colleagues, who have remained in Wisconsin despite uncertain salary prospects in this and previous biennia. Most important, such a response would offer tangible evidence that state government values a priceless human resource, on which the future welfare, growth, vitality and humanity of Wisconsin critically depend.
### UNIVERSITY OF WISCONSIN SYSTEM

**COST OF PHASED PLAN FOR SALARY CATCH-UP TO COMPETITIVE LEVELS**

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<tr>
<td><strong>FACULTY</strong></td>
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<td>1/1/86 40%</td>
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<td>$6.4</td>
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<td>6.0%</td>
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<td>3.6%</td>
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<td>7/1/86 30%</td>
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<td>4.5%</td>
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<tr>
<td>1/1/87 30%</td>
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<td>22.2</td>
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<td>9.0%</td>
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**SOURCE OF FUNDS**

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<td><strong>Total</strong></td>
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*Percentage adjustments for faculty and academic staff will correspond to the percentage adjustments for the campuses with which Extension personnel will be integrated.*
D. UW-PLATTEVILLE (cont.)

2. 1983-85 Institutional Road Relocation (8406-24)
   a. General Work
      Iverson Construction, Inc. - Platteville
      $ 55,770.00
   b. Electrical Work
      Westphal & Company, Inc. - Janesville
      $ 3,600.00
   TOTAL CONTRACT AWARDS:
      $ 59,370.00

E. UW-RIVER FALLS

1. 1984-85 Nursery Plot Pole Storage Building (8407-30)
   a. All Work
      Lester's Inc. - Lester Prairie, MN
      $ 11,300.00

F. UW-STEVENS POINT

1. 1983-85 Steam Distribution System Repairs (8405-31)
   a. All Work
      Accurate Mechanical Contractors, Inc. - Kaukauna
      $ 74,257.00

G. UW-WHITEWATER

1. 1983-85 Center for the Arts Masonry Repairs (8311-61)
   a. All Work
      Pukall Co., Inc. - Cedarburg
      $ 12,400.00

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

A. UW-EAU CLAIRE

1. 1981-83 Four Building Masonry/Caulking Repairs (Fine Arts Center/ Hibbard Humanities Building/Thomas Residence Hall/Central Heating Plant Chimney)
   a. R & P Industrial Chimney Co., Inc. - Lexington, KY
      $ 31,208.00

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

1. Lease agreements for the following UW-Madison Experimental Farms residences have been signed by the Vice Chancellor for Administration. The agreements are for the two-year period beginning July 1, 1984 and have been prepared in accordance with the rate methodology established by the Joint Committee on Finance.
<table>
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<tr>
<th>Farm Residence (Bldg. No.)</th>
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<tr>
<td>Arlington Experimental Farm Sheep House (#812)</td>
<td>Robert K. Dorsey</td>
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<td>Arlington Experimental Farm Sheep House (#825)</td>
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<td>Raymond R. Hofer</td>
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<td>Arlington Experimental Farm Turkey House (#847)</td>
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<td>Arlington Experimental Farm Swine and Soils House (#880)</td>
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<td>Arlington Experimental Farm Horticulture House (#912)</td>
<td>Kenneth A. Kmiecik</td>
</tr>
<tr>
<td>Arlington Experimental Farm Beef Nutrition/Truss Frame (#961)</td>
<td>Steven C. Arp</td>
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<tr>
<td>Ashland Experiment Station Herdsman's Residence (#252)</td>
<td>Richard D. Joanis</td>
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<tr>
<td>Hancock Experiment Station Superintendent's Residence (#345)</td>
<td>Thomas H. Wright</td>
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<tr>
<td>Kemp Biological Station Caretakers Residence (#715)</td>
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<tr>
<td>Lancaster Experiment Station Assistant Superintendent's House (#162)</td>
<td>Daniel E. Peschel</td>
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<tr>
<td>Lancaster Experiment Station Superintendent's House (#181)</td>
<td>William H. Paulson</td>
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<tr>
<td>Madison Experiment Station Hill Farms West Residence (#215)</td>
<td>Robert D. Vogelzang</td>
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<tr>
<td>Madison Experiment Station Mandt Farm Residence (#626)</td>
<td>Alfred A. Gerbitz</td>
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<td>Madison Experiment Station Charmany Residence (#656)</td>
<td>Glen R. Moen</td>
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<td>Marshfield Experiment Station Model Farm House (Supt.) (#314)</td>
<td>Garit H. Tenpas</td>
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<tr>
<td>Peninsular Experiment Station Foreman's Residence (#376)</td>
<td>Brian H. Schauske</td>
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</table>
III. REPORT OF ACTIONS TAKEN (MEMOS OF AGREEMENT).

A. (Cont.)

Spooner Experiment Station Foreman's Residence (#277)
James E. Hrouda

Spooner Experiment Station Assistant Superintendent's House (#288)
Thomas K. Cadwallader

B. A Contract for Auditing Services between the State of Wisconsin Legislative Audit Bureau and the University of Wisconsin System providing for the performance of an audit by the LAB of the Headstart Program at UW-Oshkosh, required by the federal government and with costs not to exceed $1800, has been signed by the Vice President for Business and Finance, October 10, 1984.

C. To Be Published By UW-Press:

   TITLE
   Cloning and the Constitution
   "Hercules' Bow: Essays on the Rhetoric and Poetics of the Law"
   Manuscript-in-progress on Darwin's ORIGIN OF SPECIES and the rhetoric of science
   Manuscript-in-progress on the rhetoric of linguistics
   "Re-examining the Origins of Public High Schools: An Analysis of the Beverly High School Controversy in the Mid-Nineteenth Century"
   "Urban Economic Development: Politics and Policy"

   AUTHOR
   Carmen, Ira H.
   White, James Boyd
   Campbell, John A.
   Pratt, Mary
   Vinovskis, Maris A.
   Eisinger, Peter K.