

UNIVERSITY OF MINNESOTA

ANNUAL RECORD

1979-80

June 30, 1980

# TABLE OF CONTENTS

	page
BOARD OF REGENTS .....	1
OFFICE OF THE PRESIDENT.....	3
Office of Equal Opportunity and Affirmative Action .....	4
University Relations .....	5
University of Minnesota, Duluth .....	6
School of Business and Economics .....	8
College of Education .....	10
School of Fine Arts .....	12
College of Letters and Science .....	14
School of Medicine .....	16
School of Social Development .....	17
University of Minnesota, Morris .....	19
University of Minnesota Technical College, Crookston .....	21
University of Minnesota Technical College, Waseca .....	24
DIVISIONS OF ACADEMIC AFFAIRS .....	26
Institute of Agriculture, Forestry, and Home Economics ...	27
College of Agriculture .....	28
College of Forestry .....	29
College of Home Economics .....	30
Agricultural Experiment Station .....	31
Agricultural Extension Service .....	32
College of Biological Sciences .....	33
College and Graduate School of Business Administration ...	34
Continuing Education and Extension .....	36
College of Education .....	39
General College .....	41
Graduate School .....	43
Hubert H. Humphrey Institute of Public Affairs .....	44
Law School .....	46
College of Liberal Arts .....	48
Summer Session .....	50
Institute of Technology .....	52
University College .....	55
University Computer Services .....	57
University Libraries--Twin Cities .....	58
University Press .....	59
College of Veterinary Medicine .....	60
DIVISIONS OF ADMINISTRATION AND PLANNING .....	61
Department of Men's Intercollegiate Athletics .....	62
Department of Women's Intercollegiate Athletics .....	63
University Personnel Department .....	64
University Police Department .....	65

DIVISIONS OF FINANCE .....	66
Office of the Controller .....	68
Office of Alumni Relations and Development .....	69
Office of Physical Planning .....	71
Support Services and Operations .....	73
DIVISIONS OF HEALTH SCIENCES .....	75
School of Dentistry .....	76
Medical School .....	78
School of Nursing .....	79
College of Pharmacy .....	81
School of Public Health .....	83
University of Minnesota Hospitals and Clinics .....	85
DIVISIONS OF INSTITUTIONAL RELATIONS .....	87
DIVISIONS OF STUDENT AFFAIRS .....	88
Boynton Health Service .....	89
Housing Office .....	90
Office for Minority and Special Student Affairs .....	91
Student Activities Office .....	93
Student Development Centers .....	94
Student Support Services .....	96
APPENDIX .....	98
Major Awards Given by the University, July 1, 1979- June 30, 1980 .....	98
INDEX .....	99

BOARD OF REGENTS

Wenda W. Moore, Chairman

Regents during the 1979-80 academic year and the congressional districts represented are as follows:

<u>Regent</u>	<u>Congressional District</u>
Charles H. Casey	1 - West Concord
Lauris Krenik	2 - Madison Lake
Robert Latz	3 - Golden Valley
Mary T. Schertler	4 - St. Paul
David M. Lebedoff	5 - Minneapolis
Lloyd H. Peterson	6 - Paynesville
William B. Dosland	7 - Moorhead
Erwin L. Goldfine	8 - Duluth
Charles F. McGuiggan	At Large
Wenda W. Moore	At Large
Neil C. Sherburne	At Large
Michael W. Unger	At Large

Officers of the Board of Regents for the two year period July 1, 1979 to June 30, 1981 were as follows: Wenda W. Moore, Chairman; Robert Latz, Vice Chairman; Duane A. Wilson, Secretary; Clinton Johnson, Treasurer. President Magrath continued to serve as Chancellor of the University, and President ex officio of the Board of Regents.

The Board held two of its monthly meetings at coordinate campuses - at the University of Minnesota Crookston in October of 1979 and at the University of Minnesota Morris in May of 1980. These meetings allow the Board of Regents to become better acquainted with the programs, faculty and facilities at the coordinate campuses.

Important policies amended or approved during the academic year included:

1. A revised Mission Statement
2. A Set-Aside Purchasing Program to benefit disadvantaged and small businesses
3. A common resident tuition policy - common to other State Public Institutions
4. Continuation of Tuition Reciprocity agreements with North and South Dakota, and continuation of a modified Tuition Reciprocity Agreement with Wisconsin
5. Establishment of a Community Advisory Committee for radio station KUOM on the Twin Cities Campus, and station WDTN at UMD.

The Board established a Legislative Coordinating and Budget Committee to work very closely with the Administration in the preparation of the annual budgets and the 1981-83 Legislative Request. This committee was in addition to the regular standing committees of the Board.

OFFICE OF THE PRESIDENT

C. Peter Magrath, President

I. Changes in the President's senior staff and vice presidential team included: Nils Hasselmo assuming the position of Vice President for Administration and Planning. Professor Hasselmo replaced Robert Stein who assumed the position of Dean of the Law School.

C. T. Johnson assuming the position of Acting Vice President for Finance; Mr. Johnson assumed the position on an interim basis, replacing Mr. Donald Brown who became an officer in the Munsingwear Corporation.

Carol Pazandak assuming the position of Assistant to the President. Dr. Pazandak replaced Dr. Jeanne Lupton who became Dean of the University's General College. A. J. Linck assuming the position of Acting Vice President for Academic Affairs; Dr. Linck assumed the position on an interim basis, replacing Vice President Henry Koffler who became Chancellor of the University of Massachusetts at Amherst.

II. Major Policy Initiatives Included:

1. The development and implementation of a University-wide reallocation system.
2. The development of the Budget Executive, comprised of the Vice Presidents for Academic Affairs, the Health Sciences, and Finance.
3. The revision of the 1975 Institutional Mission Statement.
4. The development of a Presidential Institutional Planning Statement.
5. The completion of the "Outreach" Report.
6. A review of faculty retirement programs.
7. The development of policy studies agenda by the Planning Council.
8. The establishment, in principle, of an Academic Staff Professional and Administrative (PA) Personnel Category.
9. The development of individual unit planning statements.
10. The completion of major fiscal submissions to state government:
  - The 1981-83 Biennial Request
  - The 1981-83 Capital Request
  - The Six-Year Capital Request
  - The Six-Year Budget Supplement\*
  - Accommodation to a State-Imposed \$14.1 Million Cutback\*

\*Items spanned 1980-81

## OFFICE OF EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION

Lillian H. Williams, Director and Equal Opportunity Officer

During the period July 1, 1979 to June 30, 1980, the Equal Opportunity and Affirmative Action Office (EO & AA) coordinated two compliance reviews of the University by the Office of Federal Contract Compliance of the U.S. Department of Labor (OFCCP). The first review was of the entire University system and was completed with the signing of a conciliation agreement on April 17, 1980. (It should be noted that this review started before July 1, 1979).

The second review was of the Duluth Campus and began March 13, 1980. In addition to extensive reports submitted by us in April, 1980, a second set of data was prepared for the Department of Labor in June. The results of this desk audit were not received until after the close of this fiscal year. The UMD compliance review was still in progress at the close of FY 1980.

A conciliation agreement relative to the 1977 compliance review also was reached with the Office of Civil Rights (OCR) in the old Department of Health, Education and Welfare regarding the University's compliance with Section 504 of the Rehabilitation Act of 1973 (equal educational opportunity for individuals with disabilities).

Two computer projects were undertaken this year: at the request of the Department of Labor, we initiated a quarterly report which summarizes applicant activity, hiring activity, promotions and terminations for all employees. With the cooperation of the Personnel Department we developed a computerized applicant tracking system for civil service employees. It is scheduled for completion by fall, 1980.

The implementation of the computerized goal monitoring system (as described in the External Specifications Report of December, 1979) was postponed because of these two projects. With the assistance of college offices, academic goals were set manually for all departments of the University.

The EO & AA Office also investigated, both formally and informally, approximately 60 complaints of possible discrimination filed by University members. During this year, 50 complaints were closed.

UNIVERSITY RELATIONS  
Russell D. Tall, Director

During 1980 community relations extended to international borders. In March the associate director, Paul Blake, was selected to participate in a six week Rotary International Group Study Exchange mission to Brazil. In June the department was involved with plans for the University's Concert Band trip to the People's Republic of China; the director, Russell Tall, accompanied the band on this 20-day trip.

Involvement with professional organizations included arrangements to host the District V Annual Conference of the Council for the Advancement and Support of Education; Tall was conference chairman and Blake headed local arrangements.

The office of Health Sciences Public Relations was established January 1, 1980; the national search was completed in November when Laura K. Willers was selected for the position of coordinator. In June the Health Sciences Public Relations Advisory Board was established. HSPR provided consultation regarding publications, special events and promotional planning for each of the seven Health Sciences units.

The University News Service focus changed from preparation of news releases sent to large lists to one-to-one service for individual reporters. The goal of the new focus was threefold: to reduce postage and handling costs, to better serve the needs of individual reporters for major media outlets, and to achieve greater news coverage at a lower cost to the University. Two news service reporters made media trips to New York City and Washington, D.C., establishing contact with reporters for national news outlets. The success of the New York City trip included four segments on Walter Cronkite's "Universe," several stories in the New York Times, at least nine pieces on University research on CBS radio and either single or multiple stories in publications such as Woman's Day, Family Circle, Parents' Magazine, U. S. News and World Report, etc. One writing position was retrenched as a result of University budget cuts.

As a result of budget cuts, one position was lost in the Publications section. Lynn Marasco moved to Publications Planning as the head of that section, but she continued to do copy editing for Report and Update. In spite of the fiscal constraints, one major new publication was produced and was well received. A Profile of the Twin Cities Campus, a 12-page book with a four-color cover, was designed to capture the flavor of the campus for a general audience. Publications Planning was understaffed during most of the year due to the maternity leave (July-November) and resignation (December) of the University editor. Mary McKee, a new staff member, acted as head of Publications Planning in Kathy Wolter's absence, in addition to helping a variety of University units edit and produce their publications. Lynn Marasco provided backup help until April, when she assumed the position of University editor. Talks with Admissions and Records about the volume of work done by the bulletin editor resulted in a promise of editorial assistance from that unit.

The Special Events section planned and assisted with the President's press luncheon for the German Festival and the presentation ceremony and luncheon for the Israeli Defense Minister Ezer Weizman who received the Regents' Distinguished International Service Award.



## UNIVERSITY OF MINNESOTA, DULUTH

Robert L. Heller, Provost

PERSONNEL. Paul Junk assumed responsibilities of vice provost for academic administration on Aug. 1, 1979; replaced acting vice provost M. Harry Lease. Dennis Nelson's title and responsibilities changed from assistant to the provost to assistant provost effective July 1, 1979. Irl Carter was appointed dean of the School of Social Development July 16, 1979; replaced acting dean Will Dodge. John Verrill was appointed acting dean of the College of Education July 1, 1979; replaced Allen Myers.

POLICY. Planning statements with goals, objectives, and priorities were developed and submitted by each collegiate unit and nonacademic units covering five years. Policy statement covering purposes, procedures, and timetable for review of directors was completed. Collegiate promotion and tenure criteria statements were developed and presented to central administration for review; central administration accepted these statements but would not give official approval. A collective bargaining election was held with mail ballot during May 1980 under the direction of the Bureau of Mediation Services. Results reported on June 2 were: AAUP 145, UMDEA 134, No Agent 34, Blank 1, Void 1, No Vote 18.

ORGANIZATION. The following decisions were made regarding reorganization of administrative structure and responsibility, to be effective July 1, 1980:

- Vice provost for student affairs to be changed to vice provost for student affairs and administrative services. Directors of Alumni Association, Campus Relations, and Campus Development to report to this vice provost.
- The Administrative Committee was revised to include the provost, assistant provost, vice provosts, and deans.
- The Lake Superior Basin Studies Center was placed administratively in the Office of the Vice Provost for Academic Administration.
- Students' College was placed administratively in the College of Education.

SPECIAL EVENTS. UMD was featured in three segments of the 13-program, 30-minute University television show "Matrix." The Medical School Choir from Gdansk, Poland, visited UMD and presented concerts Nov. 6-8, 1979 (UMD University Singers had visited Poland in June 1978). The School of Medicine building was dedicated on Sept. 15, 1979. Sigurd Olson, author and environmentalist, was awarded the first University honorary doctorate sponsored by UMD faculty and administrators in an award ceremony held in the Tweed Museum on Oct. 5, 1979. Professors Reid Bryson of UW-Madison (climate), Krister Stendahl of Harvard (religion), and Paul Kristeller of Columbia (humanistic education) presented Thea Johnson Lectures on Oct. 8, 1979, Feb. 15, 1979, and April 14, 1980, respectively. Professors A. Aufderheide (diseases of ancient people), C. Chee (watercolor), L. Heller (health care in China), and D. Pegors (opera careers) presented Sunday Evening With a Professor programs on Jan. 20 and 27, Feb. 3 and 10, Feb. 24 and March 2, and March 16 and 23, respectively. Glensheen (the Congdon mansion) opened on Saturday, July 28, 1979, for tours; 815 people toured the first day and 848 the second. The University Singers presented the Elizabethan Dinners on March 21-29 to capacity audiences.

PHYSICAL FACILITIES. Significant administrative efforts were expended on developing more student housing on campus; preliminary proposals for the 400-bed St. Marie Housing Complex were opened on June 12, 1980. An in-depth study for the use of Old Main, including remodeling or demolition, began. Ground-breaking and construction on new School of Business and Economics building began in October 1979. Health Science Library was occupied in April 1979.

ENROLLMENT. The UMD fall quarter headcounts show 6,831 students in 1979-80, compared to 6,809 in 1978-79, an increase of 22 students.

SUMMARY.

- Development efforts at UMD were enhanced with the appointment of a fulltime development officer, Bruce Dreon.
- NCATE review of the College of Education was completed with a very positive report on conditions in the college.
- The American Indian Advisory Board had an all-day meeting with the Regents' Educational Policy and Long-Range Planning Committee at UMD on May 23, 1980.
- Negotiations were completed with the University of Birmingham (England) for the Study in England Program. Fifty UMD students will be taking UMD courses on the campus beginning in September 1980. James Grant was appointed director of the program.

UNIVERSITY OF MINNESOTA, DULUTH  
SCHOOL OF BUSINESS AND ECONOMICS

David A. Vose, Dean

- Personnel:** Jerrold M. Peterson, Associate Professor of Economics and Acting Director, Bureau of Business and Economic Research was appointed Director, effective July 1, 1979. Effective July 1, 1979 Thomas B. Duff, Associate Professor and Head, Business and Office Education, was appointed Acting Director of the Center for Economic Education in addition to his other duties. Dr. Duff replaced the Director, Richard W. Lichty, Associate Professor of Economics, for the 1979-80 academic year during Dr. Lichty's sabbatical leave.
- Policy:** Regents gave final approval to the establishment of the Bachelor of Office Administration degree program. The Center for Professional Development was activated and provided a substantial number of continuing education programs during the year.
- Organization:** There were no organizational changes during the year.
- Research and Outreach Programs:** The Center for Professional Development offered approximately thirty days of programming primarily directed toward supervisory and middle-level managerial audiences.
- Special Events:** None to report.
- Physical Facilities:** Planning for the first phase of the School of Business and Economics Building was completed, bid documents were prepared and bids were opened on October 2, 1979. Ground breaking for phase I of construction was held in mid-October. Construction of phase I, which included footings and foundation, the steel framework and precast slabs for the second floor and roof, was completed in May, 1980. Final planning for phase II was completed and bid documents prepared.
- Enrollment Statistics:** See attached Table. It should be noted that the decreases in the headcount enrollment by department and in student credit hours of the Fall 1980 over Fall 1979 was a result of the establishment of necessary class size limitations to protect the quality of program offerings within the School.

SCHOOL OF BUSINESS AND ECONOMICS

Headcount Enrollment

and

Student Credit Hours

Department	Fall 1979	Fall 1980	% Change
Accounting			
Enrollment	834	708	-15%
Student Cr. Hrs	2880	2476	-4%
Business Adm.			
Enrollment	1171	1250	+7%
Student Cr. Hrs.	3725	4106	+10%
Business, Office & Econ Education			
Enrollment	257	252	-2%
Student Cr. Hrs.	713	688	-3%
Economics			
Enrollment	1183	1077	-9%
Student Cr. Hrs.	4718	4307	-9%
Total School Enrollment	3445	3287	-5%
Total School Student Credit Hours	12,036	11,577	-4%

Office of the Dean  
School of Business and Economics  
January, 1981

# UNIVERSITY OF MINNESOTA, DULUTH

## COLLEGE OF EDUCATION

John E. Verrill, Acting Dean

Personnel. Dr. John E. Verrill was appointed as acting dean for the interim period while the search process was conducted for a permanent dean. Dr. Thomas Boman was appointed acting head of the Department of Home Economics while a search for a permanent head for that department was conducted.

Policy. The College Student Council, College Council and College Faculty Council proceeded with organization and business meetings. The Psychology Department revised its graduate program curriculum in educational psychology to meet new state certification standards. The Board of Regents approved a new Associate of Applied Science degree with an American Indian Option. Programs leading to state licensure in music, art, and physical education were revised. The Department of Industrial and Technical Studies added the Master of Industrial Safety program.

Organization. The departments of elementary and secondary education were merged into the new Department of Professional Education.

Research and Outreach Programs. A five year National Institute of Alcohol and Alcohol Abuse Training Program for American Indian Counselors was terminated after certifying over 100 alcohol and drug counselors of American Indians. A grant of \$10,000 has been secured for evaluating the impact of these counselors upon the alcohol and drug problems of the American Indians in this region. Three special projects in research and grant support in the department of Home Economics totaled \$50,305 for 1979-80. The Psychology Department secured funding for a 5 year \$800,000 training and research project with the Minnesota Chippewa tribe for providing mental health services to the Indian community.

Special Events. The Department of Professional Education was evaluated by internal and external committees. The program in Educational Administration was evaluated by NCATE. All state licensure programs were evaluated by the State Board of Teaching. Professor Stuecher published the results of his 2 1/2 years of work with chronically and terminally ill children. This work was done at the Sidney Farber Cancer Center which is affiliated with the Harvard Medical School outreach activities. Professor Stuecher authored the national plan for special education for the country of Ecuador which was enacted into law on September 9, 1979. The Special Education Department started an outreach training program to serve teachers and school districts in the remote northern regions of the state. The project is located at Hibbing Community College.

Physical Facilities. New office facilities were established for the director of Student Affairs for the College of Education. Continued planning for additional laboratory space for Psychology was carried forward.

Enrollment Statistics.

	Fall 1978	Fall 1979
Men	360	288
Women	<u>602</u>	<u>537</u>
Totals	962	825

The enrollment headcount showed a decline in headcount from the fall of 1978 to the fall of 1979. However, statistics on credit hours taught continue to show an increase. Data now available to us show an increase in the fall of 1980 to a total of 996 students.

The acting dean and department heads met with the president and in a separate meeting with the University Budget Executive. These meetings were a part of the long range planning activities. The many evaluations we were involved with, the collective bargaining issues, and the long range planning activities were the highlights of the 1979-80 academic year.

UNIVERSITY OF MINNESOTA, DULUTH

SCHOOL OF FINE ARTS

Phillip H. Coffman, Dean

Policy - Curriculum Modification

A new area of study was initiated in the field of museum and cultural properties.

The program leading to a major in theatre education for the Bachelor of Fine Arts degree was dropped.

Special Events

Thomas Kerrigan, Associate Professor of Art, spent the spring quarter in Rome, Italy, working with internationally known Nino Caruso at the Ceramics Internazionale. Peter Collingwood, famous British weaver, conducted a workshop in off-loom weaving during the first summer session. James Brutger, Associate Professor of Art, was elected to a two-year term on the Board of Directors of the National Art Education Association.

Thomas Wegren, Assistant Professor of Music, was selected to perform on the piano in the Governor's mansion for Governor and Mrs. Quie and later for an event sponsored by Vice President Mondale. The Jazz Ensemble was invited to perform for the statewide convention of music educators in Minneapolis.

Phillip Coffman, Professor of Music and Dean, was instrumental in establishing Duluth's first Summer Festival of the Arts. The ten-day program attracted over 50,000 people to performances and exhibits in music, theatre, dance, film and the visual arts.

Glensheen, the former Congdon mansion, drew over 100,000 visitors during its first year of operation. It has become a major museum attraction for the state and region.

Enrollment Statistics

<u>FYE Students</u>		<u>Student Credit Hours Generated</u>
1978-79	478	21,793
1979-80	490	22,174

Research and Outreach Programs

The department and unit faculties continued in their pursuit of scholarly activities. A number of significant grants and gifts were received. The Art Department received \$10,000 from the Upper Great Lakes Regional

Development Commission to help support the new Graphic/Commercial Art Program. Several hundred exhibitions, recitals, concerts, and theatre, dance and other productions were noted.

Outreach programs continued to grow in scope and number.

### Summary

The School has continued to maintain a high degree of excellence in the classroom and in areas of service and scholarly production.



UNIVERSITY OF MINNESOTA, DULUTH  
COLLEGE OF LETTERS AND SCIENCE

George R. Rapp, Jr., Dean

Personnel: Dr. Robert E. Franz, Jr., appointed associate professor and associate dean, College of Letters and Science, July 1, 1979. September 1979 department head appointments: M. Harry Lease, Jr., political science; Blanchard Krogstad, biology; Roger Lips, english; and Donald Bibeau, director, American Indian Studies.

Policy and Program Changes:

Winter quarter 1979-80, Energy and the Environment, IS 3102, with followup "Undergraduate Research Internship," IS 3103, "hands on" experience for students.

Spring quarter 1980: BA degree in computer science begun

Spring quarter 1980: Women in Politics

Research:

Approximately One Million Dollars in external research support in force

Outreach Programs:

Ten seminars offered by women's studies December 3, 1979 to February 18, 1980

Outreach French program in Duluth elementary schools

Weekly public lectures at the Marshall W. Alworth Planetarium

April 1980: Writing hotline made available to staff, instruction and civil service personnel by Eleanor Hoffman and Ken Risdon, English Department coordinators.

Special Events:

Professors Richard Ojakangas and Charles Matsch are among 40 scientists who went to Antarctica November 4 for 3-month study of geological and glacial history in the Ellsworth Mountains area.

Minnesota legislators and state resource experts take part in open public forum on peatland development February 16, 1980.

Twenty biology and geology students conduct a coral reef study project off Caribbean Island of Belize. Seven-week study session at UMD followed trip.

February 13, 1980: Regents' Professor William McDonald special lecture on "Ethics in the Humanities".

May 15, 1980: Regents' Professor John E. Turner special lecture on "The Soviet Union: Refrigerators, Garden Plots and Regime Legitimacy".

Seminars with visiting lecturers held in Chemistry, Geology and Biology Departments.

Special Events Contd.

Sigma Xi Lectures by George Rapp, Jr.

This academic year Dean Rapp gave lectures as a Sigma Xi Research Society National Lecturer at eighteen colleges, universities, and research institutes (Southern Methodist University; University of Texas, El Paso; Denison University, Northern Michigan University; Corning Glass Research Labs; Iowa State University; North Dakota State University; Eastern Michigan University; Indiana University; Pacific University; Whitman College; General Motors Research Labs; University of North Dakota; SUNY Fredonia; University of South Dakota; South Dakota School of Mines and Technology; Minot State College; UMD). In addition he gave a series of lectures at MIT, Syracuse; Portland State University, 3M, and the Minnesota Geological Society.

New Physical Facilities:

None

<u>Enrollment Statistics:</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
Fall 1979	2163	1856	4019
Fall 1978	2169	1885	4054
Change	- 6	- 29	- 35

# UNIVERSITY OF MINNESOTA, DULUTH

## SCHOOL OF MEDICINE

John W. LaBree, Dean

### PERSONNEL.

John W. LaBree resigned as Dean effective July 30, 1980. James G. Boulger, Ph.D. was appointed Acting Dean effective July 1, 1980.

### POLICY.

An experimental educational program in geriatrics was developed and implemented; this program involved clinical contact with geriatric patients as well as didactic instruction to medical students. Small graduate programs were continued under the direction of the Departments of Biochemistry, Medical Microbiology and Immunology, and Physiology.

### ORGANIZATION.

The Educational Resources Unit continued development under the direction of Mr. Mark Summers and provided support for educational innovations in all departments.

### RESEARCH AND OUTREACH.

The faculty continued to be successful in obtaining extramural support for research and training efforts. The Native Americans into Medicine and Indians into Research Careers program continued to support undergraduate students in their efforts to pursue health careers.

### SPECIAL EVENTS.

The first of an annual series of symposia was held on September 13-14, 1979 in conjunction with the formal building dedication. Speakers included guests of world-wide renown generally addressing the topic of "The Impact of Genes and Organelles on Cell Function and Communication"; they included Herbert Boyer, Sydney Brenner, Robert Good, and Philip Leder.

### NEW PHYSICAL FACILITIES.

The first full-year of school was held in the new School of Medicine building, first occupied in March 1979. Faculty research facilities and educational space is a tremendous improvement over the previous building.

### SUMMARY.

The School continues to achieve its primary mission of training medical students for entry into Family Medicine. Of the first five graduating classes, 58% have elected residencies in Family Practice; this should be contrasted with the national rate of 13%. Research and educational programs are now strong and continuing to develop.

UNIVERSITY OF MINNESOTA, DULUTH

SCHOOL OF SOCIAL DEVELOPMENT

Irl E. Carter, Dean

PERSONNEL: Irl Carter was appointed Dean of the School effective July 16, 1979.

POLICY: During the 1979-80 period, the School laid the groundwork for future policy and program development through the adoption of the planning document, "The Mission, Goals, Objectives and Priorities of the School of Social Development" (adopted June 14, 1979; amended November 5, 1979). Program development, implementing the document, placed emphasis upon development (change) with a community focus, particularly the development of American Indian communities, research and social planning for services to rural communities, and health research and planning for both Indian and rural communities. Grants were obtained which focused upon Indian and rural community development and services. Modifications were begun in the graduate program - such as the "development of family and childrens' services" option - to make the program more responsive to rural/regional needs.

ORGANIZATION: Major reorganization did not take place within the unit.

RESEARCH AND OUTREACH: Grants and grants development generally reflected priorities of the School. A Title I project for community and social services on the Fond du Lac Reservation entered its second year. A five-year NIMH project concerning mental health services on Indian reservations in the region was secured. A Section 426 grant to develop child welfare content that responds to regional needs was written and secured. In addition, the NIMH grant, "Improving Mental Health Services to the Rural Elderly", entered its final year.

To improve its outreach services towards service providers in the community, the School sponsored a series of summer workshops in areas such as administration, gerontology, and the American Indian community. In addition to courses regularly scheduled through UMD's Continuing Education and Extension, plans were made to implement part-time and off-campus programs in 1980-81.

SPECIAL EVENTS: A group of SSD faculty members and students combined efforts to publish the CDBG Action Manual to help non-professionals use the Community Block Grant system . . . Walter Baeumler, Professor, Sociology/Anthropology, received a joint appointment with the School. Dr. Margaret Grevatt, Director of Community Relations, Cleveland Legal Aid, spent the year as a Visiting Associate Professor at SSD.

PHYSICAL FACILITIES: Construction work began on a new student/faculty commons room for the School - to be completed in Fall 1980. The School obtained three additional faculty offices (M.W.A.H. 273, 274, & 254), in addition to these offices the School acquired M.W.A.H. 271 & 272 for the establishment of the School of Social Development Dean's Office.

ENROLLMENT: Beginning Fall Quarter 1979, a total of 136 students were registered in the undergraduate program, 23 of these were male, 113 - female. In the graduate program, a total of 44 were enrolled; 17 were men, 27 were women.

SUMMARY: In general, the 1979-80 year saw the School sharpen its priorities and develop programs in accordance with them. An increase of outreach activities on the part of the School also resulted in a growth of community/agency support and cooperation with the program.

UNIVERSITY OF MINNESOTA, MORRIS  
John Q. Imholte, Provost

The following is the annual report of the University of Minnesota, Morris for the period July 1, 1979 to June 30, 1980.

Personnel Changes: Elizabeth S. Blake was appointed to the position of Academic Dean on August 16, 1979. W.D. Spring resigned from the position of Chair of the Division of the Humanities effective June 15, 1980. William Scarborough, Chair of the Division of Education died September 13, 1979. Arnold Henjum was appointed as Acting Chair for the 1979-80 academic year.

Policy Changes: The Honor Case Commission was replaced by the Committee on Academic Integrity. An advising policy requiring annual long range planning by freshmen and sophomores was approved by the Campus Assembly. A K-12 physical education licensure program for elementary education majors was approved.

Organization: No major organizational changes occurred.

Research and Outreach Programs: Individual faculty research and creative efforts were continued throughout the year. A number of workshops were carried out through the "Women's Mobile Campus" program. The project, supported by Title I funds, was designed to provide educational and career planning assistance to women in smaller nearby communities. Funding support from the Fund for the Improvement of Post Secondary Education to assist the Sisseton-Wahpeton tribe in South Dakota ended. Also, outside funding support was discontinued for the Fantasy Project directed by Professor Eric Klinger and for the Eagle Lake Project. A Minnesota Rural Development Council grant for the development of television programs about aging, retirement planning, and consumer education was continued. There were also two Minnesota Humanities Commission grants directed toward the examination of the historical development of rural communities and the changing roles of men and women in rural societies. Project Inform, identifying continuing education requirements in Minnesota, was continued. A Department of Energy grant was received for an Energy Awareness Workshop. Headcount registrations for credit and non-credit outreach programs, not including summer sessions, were 2,312. This represents an increase of 173 over the 1978-79 total. The Creative Study Institute for outstanding area junior and senior high school students enjoyed another successful session in June on the campus.

Special Events: There were 8 major professional performing arts concerts and performances, 19 UMM concerts and faculty and student recitals, 5 theatre productions, 9 art exhibits, 25 lectures and colloquia, and 7 contemporary concerts. Professor Millard Gieske's book, Minnesota Farmer Laborism: The Third Party Alternative, was well received. Professor Sun M. Kahng was elected incoming President of the Minnesota Economics Association. The sixth annual Midwest Philosophy Colloquium took place throughout the year. Gary Donovan, Director of Career Planning & Placement, finished out his term as President of the Minnesota Institutional Teacher Placement Association. Professor Hilmi Elifoglu earned an NEH research award. Harold Hinds, Associate Professor in history, was awarded the Russell B. Nye award for the best

article of 1979 published in the Journal of Popular Culture. Professors Joseph Latterell and Frederick Peterson earned Horace T. Morse Awards for outstanding teaching. The Board of Regents held its May 1980 meeting on the UMM campus.

New Physical Facilities: Remodeling of space beneath the Science Auditorium was completed. It is used by faculty and students for individual and small group research and study projects. Continuing efforts were made to improve the safety and enhance the accessibility of the campus for faculty, staff, students, and visitors, including those with physical handicaps. Special emphasis was placed upon the conservation of energy.

Enrollment Statistics: The total headcount enrollment as of fall, 1979, was 1450 students, an increase of 17 students over the previous fall. The number of men decreased from 790 to 769 and the number of women increased from 643 to 681.

Summary: UMM was visited by two accreditation teams during the year. A team from the North Central Association of Colleges and Schools recommended reaccreditation for ten years. A Minnesota Board of Teaching team also granted a ten-year general accreditation for teaching licensure programs. In certain specific instances, conditional approvals were granted. The UMM Alumni Association presented its Distinguished Services Award to Edward J. Morrison, local newspaper publisher and businessman. He was recognized for his many valuable contributions to the campus.

In athletics, the women's basketball team won the MAIAW Division III state championship and placed second in the region. The football team participated in the NCAA Division III playoffs. The wrestling team won the Northern Intercollegiate Conference title and the NCAA regional tournament.

The highest possible level of academic quality remains the basic goal of each of the programs on the campus. Student enrollment and retention continue to be issues of major importance. For the future, a major effort will continue to be made to strengthen existing programs within the context of a liberal arts environment.

UNIVERSITY OF MINNESOTA TECHNICAL COLLEGE  
CROOKSTON

Stanley D. Sahlstrom, Provost

I. Personnel

Appointment of first UMC development officer (L. Larson)

II. Policies & Programs

- A. Long-Range Program Review document developed
- B. Retrenchment & reallocation priorities set & implemented
- C. Graduation fee raised in accordance with change in all-University policy
- D. Fee increase approved for administration of proficiency examinations
- E. Learning Resources Center named to act as local clearinghouse for information on alternate forms of energy
- F. Campus grievance officer designated (H. Opgrand)
- G. Administrative Committee reappoints official to enforce Affirmative Action guidelines & regulations (K. Bornhoft)
- H. Division of Agriculture adds two new degree options in seed processing & technology & in farm & ranch business management

III. Organization

- A. Pattern of reporting relationships altered as affects administrative positions of director of Continuing Education, supervisor of Learning Resources, & athletic director
- B. Two directors, for intercollegiate athletics & Continuing Education-community services, are dropped from administrative group in move to tighten management hierarchy
- C. Broader responsibilities assumed by coordinator of Special Student programs (services for minority & international students)

IV. Research & Outreach

- A. "Image" survey, conducted via printed questionnaire circulated by ad hoc committee, shows which factors related to college campus contribute most significantly, either positively or negatively, to impressions area residents have of UMC
- B. Students who have completed one year on Crookston campus are interviewed in depth to collect data for retention study done by Student Affairs staff
- C. New information retrieval system replaces Minitex at college library
- D. Five research projects receive Educational Development Program (EDP) funding; EDP grants used for research on teaching statistics, establishing remedial writing center, building an historical fashion collection, training of student tutors skilled in various academic disciplines, & writing a policy manual for food service operators
- E. Consultantship offered by United Nations' Food & Agriculture Organization (FAO) is accepted (S. Sahlstrom), leading to extended visit to Saudi Arabia to advise the nation's education ministry in the development of a network of technical institutes.



## V. Special Events

- A. Ground broken in formal ceremonies for physical education indoor & outdoor complex (May 1980)
- B. Regular monthly meeting of UM Board of Regents held at Crookston (Oct. 1979)
- C. Three committees from Minnesota Legislature visit campus (summer-fall 1979)
- D. Two sessions of Elderhostel bring more than 40 senior citizens to Crookston (summer 1979)
- E. Biennial Torch & Shield awards dinner honors record number of recipients (Dec. 1979)
- F. First Sunflower Breakfast Seminar, planned by committee of college & community members, attracts more than 100 area farm producers & sunflower dealers & processors
- G. Secretary of State Joan Grove speaks at spring Commencement exercises (May 1980)
- H. College provides facilities for District 31 high school speech tournament (April 1980)
- I. Meetings kick off planning for holding state convention of Minnesota State Horticultural Society at UMC in summer of 1981
- J. Two more issues of Transfer published for teaching faculties at technical colleges in Crookston & Waseca

## VI. Facilities

- A. New food service building opens, with Northwest School of Agriculture alumni reunion as first official event scheduled in new dining hall (June 1980)
- B. Plant Services initiates remodeling project to convert former dining facility, Bede Hall, into center for student activities
- C. Bids awarded & construction begins on both indoor & outdoor phases of physical education & recreation complex
- D. New library, located in north wing of Kiehle Building, occupied & made available for student & public use
- E. Area previously housing library on first floor of Kiehle Annex is remodeled for additional classroom, office, & counseling space
- F. Design & schematic drawings commissioned for new combined bookstore-model store, to be situated between Bede Hall & Kiser Building
- G. Improvements made in three parking lots, including enlarging area for visitor parking
- H. Paving completed along South Road
- I. Contract let for design & erection of campus sculpture; order placed for granite blocks
- J. Outdoor arena constructed for animal science department in Red River Valley Winter Shows' facilities
- K. Ash-handling system installed in heating plant
- L. Administration decides to replace present telephone communications system with new equipment

## VII. Enrollment Data

### A. Statistics for Fall Quarter 1978 & 1979

	<u>Fall '78</u>	<u>Fall '79</u>
Men	566	523
Women	<u>517</u>	<u>586</u>
Total Enrollment	1083	1109

- B. Student enrollment reaches all-time high of 1109 for fall quarter of 1979
- C. Slight increase in enrollment overall in fall of 1979 vs. 1978
- D. Trend continues of more females entering technical studies each year at UMC, with 69 more women registering for fall classes last year than two years ago
- E. Enrollment in Continuing Education courses climbs steadily as in past five years; 1700 area residents take one or more classes, short courses or workshops during past 12-month period

## VIII. Summary

In a time of declining enrollments on many college and university campuses, UMC is still experiencing modest growth. With a record number of students attending UMC in the fall of 1979, the College is striving to maintain and to build upon those institutional features that draw students to the school. Studies done in the past two years seem indicative. They reveal that, to remain viable, UMC must continue to offer prime quality degreed programs in technical areas currently undermanned, must employ the best professionals available to provide classroom instruction in an open, friendly and helpful manner, must make every effort to make students employable and then to help them secure employment through its job placement service, and must give students a well-rounded education that strikes a balance between technical courses and liberal arts and science subjects, blended with a full range of campus life activities.

UNIVERSITY OF MINNESOTA TECHNICAL COLLEGE, WASECA  
Edward C. Frederick, Provost

PERSONNEL - No changes.

ADMINISTRATIVE POLICY

UMW continued to participate in the University's Long-Range Planning Process, along with the 1981-83 and 6-Year Capital Improvement Request Program and the Budget Executive Process; a limit of 24 new international students for 1979-80 was established; proposed By-Laws for the Campus Constitution were being reviewed by the Campus Assembly; a Faculty Workload Guideline was established for the campus; the Civil Service and Bargaining Group Constitution was approved; a University of Minnesota Coordination Model for UMW and the Agricultural Extension Service was developed and accepted Centrally; an understanding and acceptance of the 1200 FYE level as an enrollment goal was finalized between Central Administration and the UMW administration.

ACADEMIC POLICY

Extensive curriculum review and course changes were made in Agricultural Business, Agricultural Industries and Services, Agricultural Production, Animal Health Technology, and Food Industry and Technology; a new Biology sequence of courses was approved; a Services for the Rural Elderly as an area of emphasis for the Rural Homes Services major in Home and Family Services was approved (pending approval by the Board of Regents and the Minnesota Higher Educational Coordinating Board); the academic calendar for 1980-81 was modified slightly to have Spring Quarter end one week earlier than had been the pattern.

ORGANIZATIONAL CHANGES - None.

OUTREACH PROGRAMS

The Rural Family Life Center was established as a part of the Home and Family Services Division. This is a special effort to reach the rural family, and especially women, with educational offerings and is supported through a grant from the Minnesota Rural Development Council. An Agricultural Career Resource Center, for UMW students and residents of southcentral Minnesota, was begun with grant funds (primarily CETA).

SPECIAL EVENTS

UMW Provost E. C. Frederick was named an Honorary American Farmer by the National Future Farmers of America; the American Veterinary Medical Association continued accreditation of the Animal Health Technology program through December, 1981; a Rural Energy humanities series was held on the campus, sponsored by the Minnesota Humanities Commission; a grant from the Control Data Corporation provided funds to develop software for the computer on production of speciality crops; UMW and the Agricultural Extension Service cosponsored, along with the Minnesota Humanities Commission, a program on "Changes in China - Implications for Rural America;" an NSF grant in the amount of \$120,000 was awarded to UMW for a livestock laboratory, which is part of the college's capital improvement request for a Livestock Laboratory and Holding Facility.

NEW PHYSICAL FACILITIES

A 100 car parking lot was constructed. The Bell Telephone Dimension System was installed on the campus.

ENROLLMENT

	Male	Female	Total
Fall, 1979	612	499	1,111

Enrollment continued to rise, faster than projections. This year's enrollment of 1,111 for Fall Quarter included 923 fulltime students, a record number in that category.

SUMMARY

The participation in the University's Long-Range Planning Process took a great deal of time, but was a worthwhile effort for the entire campus community and did much to reflect a unified approach to the future of the campus. A great deal of time was also spent on planning of new instructional facilities, which were scheduled for completion during the 1980-81 academic year.

## DIVISIONS OF ACADEMIC AFFAIRS

Kenneth H. Keller, Vice President

Personnel. 1) Dr. Kenneth H. Keller was appointed Vice President for Academic Affairs. 2) Dr. Betty Wallace Robinett was appointed Acting Assistant Vice President for Academic Affairs. 3) Dr. Philip W. Porter was appointed Director and Associate to the Vice President, Office of International Programs.

Policy. 1) The University Senate approved the principle of "E" Academic Staff appointments for appropriate groups at their November 29, 1979 meeting. 2) The first report of the Student Course Information Project (SCIP) was published in August 1979. 3) An undergraduate minor degree in Military Science is now available. 4) Twenty-one credits of AFROTC classes now meet IT distribution requirements.

Organization. Mankato State University became an extension center for AROTC.

Research and Outreach Programs. 1) The Educational Development Program and Small Grants Program awarded grants totaling \$356,215 in support of 138 faculty and faculty-student projects, ranging in purpose from development of courses for a revised MBA curriculum to individualized field learning programs for CLA departments. 2) A Bio-Energy Coordinating Office (BECO) which opened in January 1980, was established to encourage information exchange on bio-energy research and energy policy, to encourage research in bio-energy related areas, and to compile information on ongoing research efforts at the University related to bio-energy. 3) A major study to conduct a comprehensive survey of the architectural and historic resources of Minneapolis was begun as a joint undertaking of the City of Minneapolis, the Minnesota Historical Society, and the Center for Urban and Regional Affairs. 4) First University of Minnesota 12-member delegation to China in September 1979 was led by Regent Chair Wenda Moore and LaVern Freeh, Interim Director of the Office of International Programs for the purpose of negotiating exchange agreements. The University has made commitments for nine exchange agreements with Chinese educational and research institutions. 5) A title XII Strengthening Grant from AID totaling \$100,000 was awarded to 22 units and/or individuals at the University and allocated to "strengthening international capabilities" via French language training, cross-cultural training and library acquisition.

Special Events. 1) Foreign visitors included nine groups and individuals from China and a delegation of Yugoslavic visitors. 2) Second China Retreat was held at Eastcliff in February 1980. 3) A Summer Intensive Chinese Language Institute was established at Nankai University in Tianjin, China, June and July 1980. 4) Report of the University of Minnesota Delegation's Trip to the People's Republic of China Building New Educational Relationships Between the University of Minnesota and Institution of Higher Education in the People's Republic of China was published February 1980. 5) Work was begun on a major new publication, Survey of International Programs and Projects at the University of Minnesota.

INSTITUTE OF AGRICULTURE, FORESTRY AND HOME ECONOMICS

William F. Hueg, Jr.  
Deputy Vice President and Dean

The IAFHE is the coordinating unit which includes the College of Agriculture, Forestry and Home Economics, the Agricultural Extension Service and the Agricultural Experiment Station. Each of these units present their activities separately in this report.

The private gifting program of the Institute is gaining attention and contributions. One project involves the students, staff and faculty of St. Paul Campus Colleges. Individual gifts are made to the St. Paul Campus Improvement Fund.

Dr. Norman Brown was appointed Director of the Agricultural Extension Service March 1, 1980. Dr. Richard Sauer was appointed Director of the Agricultural Experiment Station March 15, 1980.

The units which make up the Institute make many contributions which benefit students and citizens of the state, nation and world. Detailed reports are presented under the specific units.

COLLEGE OF AGRICULTURE  
James F. Tammen, Dean

Personnel. No changes.

Policy--Curriculum Modification. Recreation & Resource Management major moved to College of Forestry.

Organization. No changes.

Research and outreach programs. (A). New Prospective Students Coordinator position and outreach program. (B). Five year AID Morocco project assigned June, 1980. Old contract phased out. (C). New 2 year Caribbean extension project began June, 1980.

Special events of your unit. Inauguration of Hamm Memorial lecture series and both graduate and undergraduate scholarships.

New physical facilities. No major changes

Enrollment statistics. (A). Fall 1979

Men	1076
Women	<u>600</u>
Total	1676

(B). Enrollments continue to level off.

COLLEGE OF FORESTRY

Richard A. Skok, Dean

Personnel. Dr. Thomas Lillesand was appointed director of the Remote Sensing Laboratory.

Policy. 1) The Council of the Society of American Foresters, upon the recommendation of their Accreditation Committee, unanimously endorsed the finding that the College of Forestry program was in compliance with current standards for the teaching of professional forestry. 2) The 2.6 minimum GPA admission requirement for nonresident transfer students was changed to 2.0 to make it the same as that for residents.

Special Events. 1) The College cohosted a meeting of the Forestry Research Management Subject Group of the International Union of Forestry Research Organizations. 2) Two members of the Minnesota congressional delegation, Senator Rudy Boschwitz and Congressman Bruce Vento, visited the College during the year to discuss energy and acid rain problems and their effect on Minnesota's forests. 3) The Laird-Norton Foundation funded a Distinguished Visitors Program at the College of Forestry spring quarter entitled Industrial Forestry: A Lake States Challenge. 4) Thomas Lillesand, associate professor, received the Alan Gordon Award from the American Society of Photogrammetry as senior author of the textbook Remote Sensing and Image Interpretation.

Research and Outreach Programs. 1) The College cosponsored the North American Symposium on Dispersed Winter Recreation which was attended by over 150 individuals from more than 20 states and four Canadian provinces, and a Minnesota Forest Resources Inventory Conference, which focused on the dissemination and understanding of 1977 state-wide inventory information. 2) The final report on a 3-year, \$83,000 study of plant communities in the Voyageurs National Park was submitted to the National Park Service.

Physical Facilities. Remodeling of the kitchen at the Cloquet Forestry Center was completed.

Enrollment Statistics

	<u>Undergraduate</u>	
	<u>Fall 1978</u>	<u>Fall 1979</u>
Men	348	278
Women	<u>92</u>	<u>77</u>
Total	440	355

Graduate enrollment was 82 in fall 1978 and 87 in fall 1979.

Summary. Staff of the College worked with and advised the Forestry Committee of the Legislative Commission on Minnesota Resources in the development and overview of a study entitled Minnesota's Timber Resources: Prospects for Development. The study was funded by the Commission and conducted by a consulting firm. Dr. Paul Ellefson, associate professor, served on a task force advising the LCMR on this matter.



## COLLEGE OF HOME ECONOMICS

Keith N. McFarland, Dean

Personnel. Dr. Gertrude Esteros, Professor and Head of Design retired on June 30, 1980. Dr. Esteros, who had been with home economics 35 years, became Acting Head of Related Arts in 1949 and had been Head of the Department of Design since its inception.

Research and Outreach Programs. The entire Spring/Summer 1979 issue of Minnesota Science published by the Agricultural Experiment Station was devoted to research in Home Economics.

Special Projects. Caroline Fredrickson, a 1943 alumnus of the College of Home Economics, received the University's Outstanding Achievement Award on July 19, 1979. She was Chairman of the Home Economics Department and FAO Project Team Leader at the University of Botswana and Swaziland, South Africa at the time the award was presented.

Faculty and students in the College participated in the January 10 and 26, 1980 Minnesota "Speak-out" Caucuses, a preliminary phase of the National White House Conference on Families. Marty Rossmann, Assistant Professor, Home Economics Education, and Anne Truax, Instructor, Family Social Science, served as members of the Governor's Advisory Committee for the Conference.

A college conference entitled Color: A State of Being featured Ada Deer, from the Native American Rights Fund, as one of the main speakers. Also on the day long program was Denis Sun Rhodes from the Northern Arapahoe Tribe. He is an architect with Hodne-Stageberg Partners, the firm that designed the McNeal Hall renovations.

Dr. Lura M. Morse, Department of Food Science and Nutrition, received the Horace T. Morse-Amoco Award for Outstanding Contribution to Undergraduate Education.

### Enrollment Statistics.

	<u>Undergraduate</u>		
	<u>Fall 1978</u>	<u>Fall 1979</u>	<u>Fall 1980</u>
Men	78	87	84
Women	<u>1372</u>	<u>1323</u>	<u>1303</u>
Total	1450	1410	1387

The program areas of general design and housing showed the greatest proportional increase in 1979-80.

Graduate enrollments in home economics related areas were 173 in fall of 1979 and 185 in the fall of 1980.

Summary. The submission of the College's Long Range Planning Document as a part of the All-University Planning Process in December, 1979 and the President's response to it was of major significance for the College.

## AGRICULTURAL EXPERIMENT STATION

Richard J. Sauer, Director

Personnel. Dr. Richard J. Sauer was appointed Director of the Minnesota Agricultural Experiment Station, assuming his duties on March 15, 1980.

Dr. Joseph H. Rust was appointed as Superintendent of the North Central Experiment Station at Grand Rapids.

Policy. A peer review Committee System was initiated to assist in evaluation of the Branch Experiment Station staff for promotion, tenure, and performance.

Research and Outreach Program. Research expenditures totaled \$29,470,518 during FY79-80. These funds were expended in support of over 300 research projects conducted by faculty in 25 academic departments. Over 20% of the projects were terminated and replaced. A total of 404 scientific papers and 33 miscellaneous papers relating to Station research were assigned contribution numbers. The research encompassed the production, processing, marketing, distribution and quality of food and other agricultural products, forests and forest products, and the improvement of human nutrition, family life, rural development, recreation and tourism and overall environmental quality.

A \$200,000 special legislative appropriation was received for the building and operation of an alcohol plant to be constructed at the West Central Experiment Station at Morris. The Agricultural Experiment Station assumed responsibility for maintaining a minimum amount of irrigation research at the Pope Soil and Water Conservation district farm at Westport, Minnesota.

Summary. A long range planning document was developed and submitted to Central Administration early in 1980.

AGRICULTURAL EXTENSION SERVICE

Norman A. Brown, Director

PERSONNEL. Dr. Norman Brown was appointed director of the Agricultural Extension Service effective March 1, 1980.

POLICY. Nearly 50 extension positions remained open at the end of the calendar year due to the midyear reduction of state funding to the service in the amount of \$280,027.

ORGANIZATION. Major reorganization of the service was announced. Primary emphasis of the new structure will be increased program effectiveness.

RESEARCH AND OUTREACH PROGRAMS. The impact of a day in the Agricultural Extension Service was determined by documenting the activities and contacts by extension personnel on May 1, 1980. The summary is as follows:

Audience	Education Meetings		One-to-One Consultations			
	Number	Attendance	Farm Visits	Home Visits	Business Visits	Other
Agriculture	18	335	224	64	84	172
Home Economics	20	483	9	181	49	102
4-H Youth	59	3,751	71	52	25	125
Community Resource	15	1,729	5	23	36	51
Other	10	203	-	7	4	92
TOTAL	122	6,501	309	327	198	542

Letters and Newsletters

Audience	Letters	Copies of
		Newsletters
Agriculture	1,303	18,987
Home Economics	793	6,629
4-H Youth	1,763	9,625
Community Resource	240	180
Other	522	5,683
TOTAL	4,621	41,104

Publications

Audience	Publications Distributed
Agriculture	21,580
Home Economics	718
4-H Youth	2,321
Community Resource	3,041
Other	3,087
TOTAL	30,747

Mass Media

News Releases	37 in 28 newspapers	Circulation: approximately 200,000
Columns	81 in 68 newspapers	Circulation: approximately 200,000
Radio Stations	90	Total air time: approximately 900 minutes Audience: 250,000

SUMMARY. The Minnesota Extension Management Information System reports the following statistical data for the program year October 1, 1979-September 30, 1980:

Meetings conducted	39,505
Audience	2,205,757
Audience, Instructional time	5,551,746 hours
Hours spent teaching	117,052 hours
Student--fulltime equivalent	18,505
Staff--fulltime equivalent	561.4

COLLEGE OF BIOLOGICAL SCIENCES

Richard S. Caldecott, Dean

Personnel: Dr. John Wood resigned from his administrative duties as Director of the Gray Freshwater Biological Institute and resumed full-time professorial responsibilities. Dr. Eckard Muenck was named Acting Director of the Institute.

Policy: A long range plan was developed for the College of Biological Sciences.

Outstanding Achievements: Dr. Stanley Dagley, Biochemistry, and Dr. Dennis Watson, Microbiology, were named Regent's Professors.

Special Events: The Biological Sciences Alumni Society was established as a constituent society of the University of Minnesota Alumni Association. Mr. Glenn Ward was elected President of the first Board of Directors of the new society. The first annual meeting of the new society featured a keynote address by Nobel laureate Francis Crick on "Selfish DNA".

Enrollment Statistics:

	Fall 1978-79	Fall 1979-80
Undergraduates	476	460
Graduate Students	264	226
Full-year Equivalent Students ("FYE")	1330	1327

Thirty-five percent of the student population in the biological sciences is female.

COLLEGE AND GRADUATE SCHOOL OF  
BUSINESS ADMINISTRATION

David M. Lilly, Dean

Policy Both undergraduate and Ph. D. Programs are being reviewed by faculty committees. Expectations are that the revised programs will be adopted by the college during 1980-81 and become effective fall quarter 1981.

Faculty Recruitment Strong recruiting efforts resulted in hiring seventeen new faculty, including one new department chairman, helping to redress the imbalance in the faculty/student ratio to ensure continued accreditation by the AACSB. Recruiting will continue to seek an additional 21 faculty for next year.

Research and Outreach Programs

The college's Office of External Affairs extended its outreach program to alumni and business through two new positions: a Director of Alumni Relations, (a joint appointment with the University Alumni Association), and a part-time appointment of a Coordinator of Corporate Relations, who will work directly with the business community. Both report to the Associate Dean for External Affairs.

The college raised more than \$5 million from the business community and alumni during 1979-80. This was more than any other unit in the University raised during 1979-80 and included funds for three endowed chairs. The chairs are: a Banking Industry Chair, the Insurance Industry Chair, and the Honeywell Chair in Management Information Systems.

Part of the external funds (\$1 million) are being earmarked for faculty research and to attract top assistant and associate professors.

The Executive Development Center offered two new programs, the Minnesota Management Institute (MMI) and the Management Seminar Program (MSP), for the first time during 1979-80. The MMI, a four-week residential management development program designed for individuals charged with operational responsibility for translating corporate strategy into results within company units, graduated twenty-seven class members in its inaugural session.

The MSP presented its first program in April, a one-day conference on Workers' Compensation which was so oversubscribed that an additional session had to be scheduled later. MSP plans include a large series of courses for practicing managers designed to meet needs articulated by the business community.

Plans are also being developed for a fourth type of management offering by EDC, the Minnesota Management Academy, an intensive two-week residential management development program for new managers and for professionals making the transition to management responsibilities.

A new course, Senior Management Issues, was conducted for the first time by Stephen Keating, Vice Chairman of Honeywell and a member of the CBA Board of Overseers. The course was offered during winter quarter for MBA students. The faculty for the once a week, two-three hour sessions were senior executives from major metropolitan area companies who discussed important issues and problems facing their companies.

### Special Events

Paul W. McCracken, University of Michigan professor of Business Administration, and former chairman of the U.S. Council of Economic Advisors, gave a major lecture on the U.S. economy in November 1979 under the sponsorship of the CBA Finance Department.

Kenneth F. Thompson, Group Executive Vice President of the Sperry Corporation, was the featured speaker at the 26th Annual CBA Alumni Institute in November 1979.

Jane Evans, Group Vice President, Apparel, General Mills, was the 20th Anniversary Business Day speaker. Business Day is the concluding event of Business Week, a week long activity planned and run by students which affords them an opportunity to meet and hear business executives discuss various topics and problems pertaining to business management.

### New Physical Facilities

Temporary office space for graduate student teaching associates has been secured in the old church on Riverside Avenue which the University has remodeled for overflow needs. Construction funds for an addition to the college will again be requested from the Legislature.

### Enrollment

	<u>Fall 1979</u>			<u>Fall 1978</u>		
	<u>M</u>	<u>F</u>	<u>Total</u>	<u>M</u>	<u>F</u>	<u>Total</u>
Undergraduate (Jr. & Sr.)	984	541	1525	1030	458	1488
MBA	225	120	345			315
EMBA	358	192	550	479	160	324
Ph. D.	49	26	75	56	12	68
MA-IR	51	53	104	34	40	74
Ph. D.-IR	11	2	13	7	2	9
			<u>2612</u>			<u>2278</u>

### Placement

Of the 878 business school graduates registered with the Placement Office and actively seeking jobs, 81% were placed by August 31. More companies were recruiting, 234, as opposed to 199 in 1978-79, but the number of offers decreased, 812, as contrasted with 852 the year previous. Salaries for BSB Regular grads increased 7% while Accounting majors salaries increased by 13%. The MBA salary reflects a 4% gain over 1978-79, while MA-IR salaries were up 10%.

### Summary

Increased and continuing financial support from the business community and the University administration, increasing applications for degree and non-credit management education programs, successful faculty recruiting, new recognition and respect for CBA programs from Minnesota business, government and citizenry all indicate that the stepped up efforts by the college to serve the needs of the state are beginning to produce the hoped for and expected results.

## CONTINUING EDUCATION AND EXTENSION

Harold A. Miller, Dean

### COMMUNITY RELATIONS AND EXTENSION SERVICES – Barbara J. Stuhler, Associate Dean

**Audio Visual Library Service** issued 38,340 titles to 4,744 non-University customers during 1979-80. Users within the University rented 2,948 motion pictures. During 1979-80, 261 new titles were purchased for the library collection. The marketing (sales) project was phased out during this year. Judith Gaston was appointed Director effective July 1, 1980.

**Community Programs** Early Childhood Studies Program had a total of 368 credit registrations in 1979-80. The Neighborhood Program offered 88 credit classes and enrolled 1,508 students. In the Older Adult Program, the Peer Counseling Project graduated 28 peer counselors. Twelve hundred and fifty one hostellers attended Minnesota Elderhostel during summer 1980, up 64% from summer 1979. The Community Development Program begun in 1978 provided consulting, technical assistance, counseling, and interactive research services to a total of 55 community groups, non-profit organizations, and local, state, and national governmental agencies. A "People Building Neighborhoods" conference held at the Earle Brown Center served 238 people.

**Continuing Education in Public Policy** began a regular luncheon series featuring speakers on foreign policy topics. The program for education in the schools begun in 1978 and funded by donations from the community expanded its mailing list of teachers from 100 to 550. CEPP sponsored a conference "Midcontinent Dialogue on Changing World Economy" and was one of several co-sponsors of World Trade Week.

**Continuing Education for Women** held 403 classes at 45 locations in the seven county area. Credit registrations numbered 950 and noncredit registrations numbered 6,378 for a 17% increase over 1978-79 registrations. CEW offered courses and programs in career planning and personal growth. Special one-day programs such as Money Matters, Your Own Business: How and Where to Start, the Message and the Medium, and Sisters were especially successful.

**Crookston Technical College, Office of Continuing Education and Community Services** offered courses on women's concerns, energy, aging, business and personal growth.

**Fire Information, Research, and Education Center** offered 28 workshops, 20 of them at out-state locations, attended by 1,675 persons. Staff members presented programs at other workshops attended by 3,540 persons. In 1979-80 the Center responded to over 1,200 requests for information, guidance, and counsel. Subjects included Contracting for Fire Department Services; Master Planning for Fire Protection; Educating the Public in Fire Safety; Home Heating with Wood; Fire Safety for Senior Citizens; and Fire Safety and Building Design for Architectural Professionals.

**Office of Delinquency Control** continues to be involved in a broad array of activities related to problems of crime and delinquency in our society. Major on-going programs include the Juvenile Officers Institute, Community Corrections Research Program, Newgate Youthful Employment and Training Programs, and research for the Supreme Court Juvenile Justice Study Commission. During 1979-80 the department studied the need for an education-counseling program for police families.

**Sea Grant Extension Program Fisheries Program** initiated, developed, and presented an intensive fishery biology/management course for commercial fishermen. The Recreational Fisheries Program undertook the assessment of the educational needs of bait and tackle dealers. Marine education continues to be a major SGEP component. Conferences on harbor recreation and energy were held. Over 250 children attended nine separate, week-long Sea Camps. SGEP produced the "Kitchi Gami Cookery," a cookbook with 50 freshwater fish recipes, for the Great Lakes Sea Grant Network.

### CONTINUING EDUCATION – Eleanor S. Fenton, Associate Dean

**Continuing Education in the Arts**, in conjunction with the CEE Duluth Center and the UMD School of Fine Arts, planned and conducted the Duluth Summer Festival of the Arts. Eleven days of performances, exhibitions, and workshops drew more than 50,000 people from 5 states and Canada to the more than 50 events. Circulating exhibits, in a program co-sponsored with the University Gallery and Agricultural Extension Service, traveled to 57 sites throughout the state, reaching an audience of 50,000 persons. The Summer Arts Study Center enrolled 441 students in 24 classes (26% men, 74% women). Continuing Art Education conducted two conferences: Women Can Affect the Energy Crisis attended by 130 people, and Art Security Conference attended by 60 people. The Ouroboros South Project and Information Center was one of the beneficiaries of a \$100,000 grant from MEA to the Department of Electrical Engineering and now has an operating wind generator. Over 2,600 persons toured the Ouroboros South Project and the St. Croix Valley Girl Scout Council (14,000 members) became the first group member of the Project. The Loan Play Library continued to serve the University and residents of Minnesota by loaning 3,602 plays to 1,816 patrons. David O'Fallon was appointed Acting Director.

**Continuing Education in Education** coordinates the activities which the College of Education offers through CEE. Approximately 250 credit activities annually attract nearly 6,000 registrants.

**Continuing Education in Engineering and Science** held 66 conferences with a total of 6,110 attendees for an increase of 75% over 1978-79. The UNITE participation during 1979-80 was the largest ever, 10 companies had receiving facilities at 14 locations. This accounted for 3,126 student credit hours.

**Continuing Education in Pharmacy** programs and courses were attended by 1,188 persons in 1979-80. In its second year, the Senior to Senior: Retired Pharmacists as Medication Counselors Project (funded by Title I) placed all of the 25 counselors trained during the year. A follow-up Title I grant of \$19,912 was awarded for 1980-81.

**Continuing Education in Social Work** had a total of 3,718 registrants in its seven major programs. In 1979, CESW was named one of the top three social work continuing education programs in the nation by the National Council on Social Work Education.

**Continuing Management Education** conducted 138 seminars, in-house programs, conferences, and workshops for 5,944 registrants. In 1979, with a \$100,000 grant from the Economic Development Administration, a Management and Technical Assistance Center was established to provide advice and assistance to small businesses. A Real Estate Certificate program was begun in 1979-80.

**Continuing Medical Education** had 7,816 registrants in 52 medical conferences in 1979-80, an increase of 28% over 1978-79. A book publication project was begun to extend some of the best CME program content to a national audience of primary care physicians through CME-accredited books.

**Continuing Nursing Education** offered 63 programs to 3,660 RN registrants during 1979-80. CNE received a national award from ACT-NUEA for innovative programming of its two-day conference, "Cultural Diversity and Health Care."

**MacPhail Center for the Arts** instituted a new quarter and registration system in fall 1979. Nine thousand one hundred and nineteen registrations represented an increase of 9.2% in 1979-80 over estimated enrollments for 1978-79. Efforts were made to improve the administration of the Center. MacPhail, Extension Classes, and General College completed the formalization of a relationship that allows MacPhail to offer Information Courses through Extension Classes and credit instruction through General College. A major personnel item during 1979-80 was the completion of the search for a full-time director. Dr. Richard Letts was selected to head MacPhail Center effective fall quarter 1980.

### INSTRUCTIONAL SYSTEMS – Donald Z. Woods, Associate Dean

**Conferences** initiated a program in Continuing Education for Religious Ministry. Programs were held for the Minnesota Society of Association Executives, Real Estate Appraisers, and the Education Section of the World Futures Society. The department offered five special courses to 317 people over a telephone network to six regional sites throughout Minnesota. Conferences offered 243 programs to 18,700 registrants in 1979-80. This represents a 10% increase in number of programs and a 50% increase in registrations over 1978-79.

**Continuing Education and Extension Counseling** served 14,180 students (58% female, 42% male) for a total of 22,701 (59% female, 41% male) contacts (1.6 contacts per student) in 1979-80. In addition to academic advising, the department continues to provide a variety of individual and group counseling activities. During this year, 490 students took a battery of tests as part of the counseling process. In 1979-80, 117 CEE students earned degrees and 286 earned certificates. The department has seen increased activity in financial aid advising as more state and federal funds become available to part-time students.

**Extension Classes** delivered 2,732 course sections in 1979-80. Enrollments for this period were 73,973 registrations, up approximately 2% from the previous year. Noncredit programs continued to show the greatest growth. The department continued its efforts to define market research and MIS needs and to reorganize its registration and financial work tasks.

**Independent Study** continues to be involved in national and regional consortia including the Independent Study Project of the Committee on Institutional Cooperation, the University of Mid-America, and the Open Learning Fire Service Program. In 1979-80 there were 7,022 registrations in approximately 304 college credit courses, 14 certificate courses, 18 noncredit courses, and 44 high school level courses. A search for a director was completed with the appointment of Dr. David Grossman as director.

**University Media Resources** established community advisory boards for KUOM and WDTN-FM. KUOM initiated a new daily arts magazine program, "Images." WDTN-FM Duluth initiated on-the-air fund-raising efforts and raised \$15,000 in an initial attempt. "Matrix," a 13-week television series about University of Minnesota programs and activities and underwritten by the University Foundation and various corporate donors, was produced by UMR and received very favorable critical reviews. During 1979-80, Film Production undertook 50 projects, Art and Instructional Materials over 600 projects, and Campus Services handled over 5,000 equipment and/or operator bookings. The Photo Lab handled over 11,000 orders. UMR-TV produced over 300 productions.

**CEE Duluth Center** presented 512 credit courses to 7,342 registrants in 1979-80. In this same period, 112 noncredit courses, conferences, and seminars were offered enrolling 2,771 persons. The Center co-sponsored with the UMD School of Medicine the first "Medical Research: Pathway to Better Health" Symposium, which was attended by 220 physicians. The Minnesota Extension Summer School, Elderhostel, and Secondary Drug Education programs had a substantial increase in participants during 1979-80. The Center for Professional Development, co-sponsored with the UMD School of Business and Economics, was begun in 1979-80. Terry Anderson served as Acting Director during 1979-80.

**CEE Morris Center** undertook a survey of potential conference topics in co-sponsorship with the Morris Area Chamber of Commerce. The Sisseton Program and Project INFORM were completed during 1979-80. During 1979-80 the Center's Faculty-Student Advisory Committee began to study the feasibility of offering degree options at night. Total registrations in credit and noncredit programs were 2,312 (756 men and 1,556 women).

**CEE Rochester Center** enrollments for 1979-80 were 1,490 registrations in credit programs and 4,457 in noncredit programs. A new nursing program director position was added to the staff and 20 programs designed to meet licensing requirements were offered to 894 nurses.



## ADMINISTRATIVE SERVICES – Harold A. Miller, Dean

**Communication Services** moved into new facilities at 11 Oak Street in May, 1980. A quarter time marketing specialist and a second editor were added to the staff. Communication Services earned two NUEA awards for promotion efforts: "You've Got Our Number" won the Certificate of Excellence and the "Energy Design 79" promotional materials won the Certificate of Merit. In 1979-80 the promotion unit handled 1,778 jobs. The distribution and mailing unit mailed 1,794,504 pieces. Work orders processed by the distribution/ mailing staff totalled 1,220. The number of SOS work orders processed decreased from 418 in 1978-79 to 331 in 1979-80.

**Development Office** worked with 18 CEE departments on 31 project ideas, 18 of which received funds from one or more funding sources. The Development Officer was significantly involved in numerous grant activities including ones relating to the Duluth Festival of the Arts, the Minnesota Governors TV documentary, a Chicano Music TV course, Citizens Education for Intercultural Understanding, and the Management and Technical Assistance Center.

**Research Office** completed reports and monographs based on the following major projects: Duluth Space Needs Study, Duluth Extension Classes Student Study, 1978-79 Extension Classes Student Sample Study, Needs Assessment and Evaluation of Annual Building Officials Institute, and the Annual Enrollments Report. Various other consultations, assessments, and studies were conducted during 1979-80.

### SUMMARY

The purpose of Continuing Education and Extension are:

- A. To provide individuals with opportunities for personal enrichment and satisfaction through the stimulation of intellectual and cultural growth;
- B. To provide individuals with the skills, knowledge, and insights required to update and improve their vocational and professional performances;
- C. To provide individuals with the information and understanding needed to fulfill their responsibilities as citizens in a dynamic society; and
- D. To be responsive to needs of the Minnesota community by developing programs that are closely attuned to those needs.

In 1979-80, the twenty-eight departments and services of CEE continued to extend the educational resources of the University to the people of Minnesota. Through continued growth and expansion of services, Continuing Education and Extension has reached over 200,000 persons with credit classes, credit-free instruction, and various educational services.

## COLLEGE OF EDUCATION

William E. Gardner, Dean

### Policy

In December of 1979, the College of Education submitted to the President its second draft of the College plan, "Mission, Planning Assumptions, Goals, and Objectives," for the next five years.

### Organization

On March 14, 1980, the Board of Regents gave formal approval to changing the name of the Department of Music and Music Education to the School of Music. The School will remain administratively a part of the College of Liberal Arts and will continue to offer the same programs and curriculum formerly offered through the College of Liberal Arts and the College of Education.

### Research and Outreach

Expenditures for sponsored research and training in the College totaled approximately \$3.75 million for fiscal year 1979-80, a slight decrease from the previous five-year average. A shift was evident in the proportion of research to training expenditures, with an increase for research and a significant decrease in training. Some representative major external awards included support from the U.S. Office of Education for the Teacher Corp and Indian Upward Bound programs in Curriculum and Instruction, for a program to bring about full participation of handicapped students, and for the School Psychology Training Network in Psychoeducational Studies. A grant from the Office of Human Development was awarded to faculty in Psychoeducational Studies for a nationwide study of community adjustment by former patients of facilities for the mentally retarded, and a Bush Foundation grant was awarded to the Center for Early Education and Development for a continuing education program for professionals from multiple disciplines, entitled "Career Growth in Early Education and Development."

### Special Events

January of 1980 saw the publication of *Beyond Pedagogy: A History of the University of Minnesota College of Education* by Regents' Professor Robert H. Beck, Social, Psychological, and Philosophical Foundations of Education. Publication of the book was the first event planned in celebration of the 75th anniversary of the College; a committee was appointed to plan special events for the following year. Other events during the year included a one-day conference on "Educational Evaluation: Recent Progress and Future Needs" Sponsored by the College of Education and the Minnesota Research and Evaluation Center. The conference brought together 250 educational researchers and evaluators to hear presentations by four nationally recognized scholars.

Annually occurring special events included the 14th annual Minnesota Symposium on Child Psychology sponsored by the Institute of Child Development in October of 1979 and the 1979 Professional Growth Institutes sponsored by the Center for Early Education and Development.

### Enrollment Statistics

FALL QUARTER ENROLLMENTS (END OF SECOND WEEK DATA) IN THE COLLEGE OF EDUCATION

	Fall 1976			Fall 1977			Fall 1978			Fall 1979		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Baccalaureate	607	972	1,579	519	979	1,498	427	820	1,247	360	786	1,146
Adult Special	313	494	807	316	487	803	334	406	740	353	429	782
Master of Education	112	266	378	84	221	305	61	227	288	78	207	285
Collegiate Total	1,032	1,732	2,764	919	1,687	2,606	822	1,453	2,275	791	1,422	2,213
Graduate School Students	--	--	1,042	--	--	1,010	--	--	1,007	--	--	1,044
GRAND TOTAL	--	--	3,806	--	--	3,616	--	--	3,282	--	--	3,257

SOURCE: Office of Admissions and Records, *Official Registration Statistics, Fall Quarter. Graduate School Major Book: All Students Registered Current Term, Fall Quarter.*

### FULL YEAR EQUIVALENT (FYE) STUDENTS

	Second Week Data		Final Week Data*		
	1976-77		1977-78	1978-79	1979-80
Undergraduate	1,780.02		1,861.55	1,738.46	1,702.88
Graduate	633.63		640.45	596.81	652.79
GRAND TOTAL	2,413.65		2,502.00	2,335.27	2,355.67

SOURCE: Management Planning and Information Services, *Student Credit Hours and FTE by Study Field.*

\*Totals include an estimated weighted Extension Inload FYE; i.e., inload SCHs are assumed to divide between graduate and undergraduate in the same proportion as the known division of SCHs for day school in the same year.

### Summary

During 1979-80 faculty maintained the high level of research and dissemination activity consistent with a 50-year tradition of the College, and external grants and contracts represented over 30 percent of the total annual expenditures. In 1979 the College ranked eighth among 100 leading institutions whose faculty contribute scholarly presentations to the annual program of the American Educational Research Association, first among contributors to reading research journals, and 10th among 867 institutions whose faculty contribute all types of articles to professional reading journals. The College planning statement currently being developed and refined for the first half of the 1980s calls for even greater efforts to secure outside sources of funding and to continue advancing knowledge through educational research.

## GENERAL COLLEGE

Jeanne T. Lupton, Dean

Personnel. Professor Thomas Buckley appointed as Associate Dean; Prof. William Schwabacher elected Head of Science, Business, and Mathematics (SBM) Division; Prof. Fredric Steinhauser elected Head of Social and Behavioral Sciences (SBS) Division.

Policy. 1) Received \$52,700 from OMSSA to assist in developing Pilot Educational Program (PEP) packages to retain minority disadvantaged students in three groups: American Indians, Chicano/Latinos, and Blacks. 2) New program developed in Commanding English: 2-quarter sequence of integrated communication skills for non-native speakers of English (mostly Hispanics, Southeast Asian refugees and immigrants, and international students). 3) Certificate in Aging Studies, offered in GC, approved by Board of Regents and HECB. 4) Paralegal program reviewed by American Bar Association. 5) Fire Protection Certificate courses for GC degree credit reviewed. 6) Received Northwest Area Foundation grant to combine careers and liberal learning by pairing such courses at business sites and giving day students an opportunity to take those classes along with full-time workers. 7) Termination of 1976-80 Special Services grant, which had student services focus; applied for new grant that would more closely integrate student services and academic programs. 8) Prepared document, "Planning for the 1980's in the General College" (December, 1979). 9) Began work on document concerning teaching, research, and service requirements and procedures for promotion and tenure.

Organization. Two new positions created: Director of Student Services (filled at present by an acting director) and Coordinator of GC/CEE Activities (new title for work formerly handled by assistant deans). Creation of Student Services Task Force to consider more effective integration of Counseling and Student Development Division; HELP Center; Day Community; Upward Bound; Special Services; and Admission, Orientation, and Registration.

Research and outreach programs. Developed brochure series to publicize GC programs and certificates. Developed GC Monographs series to report research on major areas of academic program (Vol. 1., No. 1., The General College Individualized Baccalaureate Degree Programs: The First Decade of Experience, by Evelyn Unes Hansen, June, 1980).

Special events. 1) During his sabbatical, William Schwabacher (SBM) designed and built an interactive exhibit on light absorption, "Color Removal," for Frank Oppenheimer's Exploratorium in San Francisco. Prof. Schwabacher also gave keynote talk, "What Makes It Colored?" at annual meeting of American College of Prosthodontists in Houston (October, 1979). 2) Douglas Robertson and Joan Garfield (SBM) presented paper, "Improving Mathematical Instruction for the Nontraditional Student," at National Conference of Mathematics annual meeting in Seattle (April, 1980). 3) David Giese (SBM) was named secretary of AGLS (Association for General and Liberal Studies). 4) Jerome Gates (ACP) received H. T. Morse-Amoco Award for Outstanding Contributions to Undergraduate Education.

New physical facilities. Reading/Writing Skills Center relocated from Nicholson 109 to Nicholson 1 (nearly triple the space) to accommodate heavy demand (partly owing to increased enrollment), both from within and from outside GC, for its courses and tutorial services. Storerooms and hallways on third floor of Nicholson Hall were renovated to accommodate increased numbers of students and staff. Nicholson 124 (formerly an office for graduate assistants) was designated as a student lounge. State Legislature has decided not to renovate Nicholson Hall (reversing an earlier decision to do so).

Enrollment statistics. General College enrollment continues to rise.

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Fall, 1979	1,538	1,399	2,937
Fall, 1978	1,434	1,284	2,718

GRADUATE SCHOOL

Warren Ibele, Dean

No report submitted.

## HUBERT H. HUMPHREY INSTITUTE OF PUBLIC AFFAIRS

Harlan Cleveland, Director

### PERSONNEL

While a search committee for a full-time Humphrey Institute director completed its work, the part-time directorship moved from John Adams (professor, geography and public affairs), to John Borchert (professor, geography), to Fred Lukermann (dean of CLA) who shared responsibility with faculty program directors.

In February of 1980, the Board of Regents appointed Harlan Cleveland as the Institute's first full-time director. Cleveland was an active consultant until the summer, and was to become full-time director as of August 1. Cleveland, political scientist and public executive, has been dean of the Maxwell School of Citizenship and Public Affairs at Syracuse University, assistant secretary of state for the United States, U.S. Ambassador to N.A.T.O., and president of the University of Hawaii. He came to the Humphrey Institute from the Aspen Institute of Humanistic Studies, where he was director of the Program in International Affairs. Cleveland is the recipient of 16 honorary degrees, Princeton University's Woodrow Wilson Award, and the U.S. Medal of Freedom.

In a statement to the University of Minnesota's Board of Regents, on February 8, 1980, Cleveland defined public affairs as follows: "Public affairs is not one more discipline, to be defined by a particular method of analysis. It is not a new profession, either, in the tradition of medicine and business and law. It is the public action, the public responsibility component of every profession."

### POLICY

After June 30, 1980, the Humphrey Institute was to become an independent unit reporting directly to the University's vice president of academic affairs instead of to the dean of CLA.

### RESEARCH AND OUTREACH

A five-year study comparing home care services and nursing homes in Minnesota came to a conclusion. The study, prepared for the Minnesota Board on Aging and the U.S. Department of Health and Human Services, was done under the auspices of the Humphrey Institute and the University's Center for Health Services Research. Nancy Anderson, associate professor at the Institute and principal investigator of the study, announced that home care services are a viable alternative to nursing homes.

In production were Professor Arthur Naftalin's television series on the careers of Minnesota's nine living governors, adjunct professor William Copeland's study on moving the handicapped out of institutionalized settings, graduate student Sonia Bowe-Gutman's transnational study of discrimination against women in public sector employment, assistant professor John Bryson's research on how colleges of education can better prepare teachers to address the needs of handicapped children, professor Dean Abrahamson's study of the Swedish nuclear power referendum, and professors' John Brandl and Arthur Naftalin's joint study of the Twin Cities Metro Council.

The International Studies Association announced that associate professor Robert Kudrle and political science professor Terrance Hopmann, a member of the HHH Institute's affiliate faculty, would edit the International Studies Quarterly for the next 5 years.

Professor George Warp continued his summer workshops in Minnesota government, which introduce college seniors to careers in public service through a series of internships and lectures by leaders in the fields of government and public service. Professor Arthur Naftalin's television program, Minnesota Issues, moved into its fifth year.

### SPECIAL CONFERENCES AND EVENTS

For three weeks in October, 1979, the Humphrey Institute, in cooperation, with Coffman Galleries, prepared and sponsored an exhibit in honor of HHH. Through

photographs, political cartoons and selections from Humphrey's own writings, the exhibit traced Humphrey's private and public life, from his boyhood days in South Dakota to his final term in the U.S. Senate.

In June 1980, the first group of Humphrey North-South Fellows -- members of a program funded by the U.S. government to train young leaders of developing countries -- wrapped up a year of study in various U.S. universities with a two-week workshop at the University. The program was administered by associate professor Robert Kudrle and affiliate professor Terrance Hopmann.

Also started in June was an 8-week program funded by the Sloan Foundation, designed for disadvantaged students who want to pursue public service careers. The 25 participants, most of whom were about to enter their senior year in college, received individualized instruction in economics, computer science and statistics and met with community leaders. Professor John Brandl directed the program.

Under a fellowship grant from the U.S. Department of Education, six Humphrey Institute students examined alternative methods for local governments to purchase services from the private sector.

#### PHYSICAL FACILITIES

Funding for a proposed new building for the Humphrey Institute was included in a \$221 million conference committee omnibus bonding bill which failed to be adopted on the last day of the 1980 Minnesota legislative session. Director Harlan Cleveland voiced his optimism that the next session of the legislature would see passage of the building funds for the Institute.

#### ENROLLMENT STATISTICS

Total enrollment in the 2-year graduate programs was 112 in the fall of 1979. Of those, slightly over 50% were women, 7% were foreign students and 8% were minority students. Since 1974 the size of the entering class has increased from 40 to 50-60 students. The percentage of women has increased from 33% to slightly over 50%.

This past year saw the establishment of sizeable "Humphrey Fellowships," designed to attract some of the best graduate students in the country to the Institute.

#### SUMMARY

Of major significance were the appointment of Harlan Cleveland as the Institute's first full-time director, an integrated approach to design and funding of a new Institute building (chairman of the building committee was professor Robert Einsweiler), completion of a major research project comparing home care services and nursing homes in Minnesota and greater outreach into local, national and international arenas through special conferences and events.



## LAW SCHOOL

Robert A. Stein, Dean

PERSONNEL. Upon the resignation of Dean Carl A. Auerbach, Robert A. Stein was named the seventh dean of the University of Minnesota Law School in September 1979, assuming the duties of deanship on a percent of time basis while completing his responsibilities as the University's vice president for administration and planning. He assumed the deanship full-time on Jan. 1, 1980. A 1961 summa cum laude graduate of the University Law School and a Law School faculty member since 1964, Dean Stein teaches, writes, and lectures widely in the area of estate planning.

INTERNATIONAL EXCHANGE. Discussions about a possible exchange of University of Minnesota law faculty with the law faculty of the Université Jean Moulin at Lyon, France, culminated in a signed exchange agreement with that institution in January 1979. The agreement called for each institution to send one professor per year, for a minimum period of three months, beginning in fall 1979. Professor Joanna Schmidt-Szalewski was the Université Jean Moulin's first exchange professor at the University of Minnesota Law School in spring quarter 1980.

INSTALLATION OF NEW LAW DEAN. A high point at the Law School during this year was the convocation marking the installation of Robert A. Stein as seventh dean of the Law School on March 6, 1980. Rather than a personal celebration, the occasion's purpose, according to Dean Stein in his address, was "to celebrate the existing quality of the Law School and to set plans for continuing its pursuit of excellence in the years ahead."

Participating in the convocation were three of the Law School's six former deans: Maynard E. Pirsig, William B. Lockhart, and Carl A. Auerbach. In addition, Mayor Donald Fraser was present, representing his father, the late Everett Fraser, dean from 1920-48.

Other speakers were Robert J. Sheran, Chief Justice of the Minnesota Supreme Court; Frank Claybourne, President of the Minnesota State Bar Association; Roger F. Noreen, Vice President of West Publishing Company and President of the Law Alumni Association; and Jay Hartman, President of the Law School Student Council.

WILLIAM B. LOCKHART LECTURES. Edward C. Halbach, Jr., professor of law at the University of California, Berkeley, delivered the 1980 Lockhart Lecture presentation on May 13, 1980. His presentation focused on tax and property laws and their effect on the legal system.

BIG TEN LAW DEANS' MEETING. The University of Minnesota Law School hosted the first meeting of law deans of the Big Ten universities and the University of Chicago in June 1980. Issues of common concern to law deans were discussed.

ENDOWED CHAIRS. The first endowed chair in the history of the Law School--the Julius E. Davis Chair in Law--was established in 1979 by the family, friends, and law firm of the late Julius E. Davis, long-time, devoted friend of the Law School. Professor Roger C. Park of the Law School faculty was named the first Julius E. Davis Professor of Law in spring 1980. His appointment to this Chair for the 1980-81 academic year recognized the excellence of Professor Park's teaching, scholarship, and service.

A fund was established for a second endowed chair, the James L. Krusemark Chair in Law, by the sister of Mr. Krusemark, Mrs. Lucille Dondore.

FUNDRAISING. The year 1979 was the best fundraising year in the history of the Law School. During 1979, pledges and contributions to the Partners in Excellence Program exceeded \$150,000, representing an increase of 35 percent over the 1978 total. Other gifts totaled \$80,000.

LAW BUILDING. Since its completion in 1978, the new Law Building has received several awards for design excellence. In June 1980, Dean Stein and the architect, Leonard Parker, traveled to New York to receive another award--this one from the American Institute of Architects and the American Library Association.

ENROLLMENT. The 1979-80 student body was one of the most highly qualified ever admitted to the Law School. Two hundred and forty-nine first-year students with a median LSAT of 667 and median GPA of 3.55 were admitted. Those qualifications ranked among the highest of all law schools in the country. Of the total 709 students, 441 were men (62%), 268 were women (39%), and 48 were minorities (7%).

SUMMARY. The University Law School is recognized in numerous surveys and polls as being among the top 20 law schools in the country and among the top six public university law schools. Dean Stein and the law faculty have accepted the challenge of making the Law School the very best that it can be, with the ultimate goal of bringing it into the top 10 law schools in the country.

COLLEGE OF LIBERAL ARTS

Fred E. Lukermann, Dean

- Personnel:** Arturo Madrid, Professor of Spanish and Portuguese and Associate Dean and Executive Officer of the College, took a leave from the University on July 1, 1980, to serve as Director of the Fund for the Improvement of Post-Secondary Education. Roger Benjamin, Professor of Political Science, was appointed Acting Associate Dean and Executive Officer.
- Policy:** The Report on Undergraduate Education was adopted by the CLA Assembly. This constitutes a rededication by the College to its undergraduate enterprise, changing substantially the definition and strength of the Group Distribution Requirements, increasing the attention to writing, restudying all majors in the College and adding a "major project" to each, reviewing faculty participation in advising, and establishing a new World Studies requirement.
- The Department of Music and Music Education was formally renamed to the School of Music and Music Education.
- Organization:** The decision was made to phase out the administrative structure of the Criminal Justice Studies program; the continuing availability of the program's offerings will depend upon the initiative of the faculty.
- The Hubert H. Humphrey Institute of Public Affairs was separated from the College.
- The China Center was established.
- Research:** Funded research represents only a portion of the research being carried out by CLA faculty; however, this brief report is limited to funded research. In FY80 a total of 172 research and training proposals were submitted with a dollar amount of \$16,121,397. As of 12/31/80 a total of 105 grants and contracts were awarded to CLA faculty with a dollar amount of \$5,858,208. These figures show a remarkable increase over FY79, clearly reflecting the continuing research growth in the College.
- Three Guggenheim Fellowships were awarded to CLA Faculty in FY80. The recipients were John S. Chipman, Jasper Hopkins and Anatoly Liberman. Another major accomplish-

ment in FY80 was the awarding of five National Endowment for the Humanities Summer Seminars to CLA faculty. The five seminar directors were Anatoly Liberman, Sheila McNally, Robert Moore, Mulford Q. Sibley and Rudolph Vecoli. Other major grants were: \$200,000 to Tom Plummer German, \$268,936 to James Jenkins in Psychology; \$249,997 to John Clark, Sociology; and \$225,000 to Herbert Mohring and Edward Foster, Economics.

Our dependence on federal funds continues to be very great. The present ratio between Federal and non-Federal funding, 80/20, is too unfavorable to us. A ratio of 65/35, while taking time to achieve, is one of our major objectives. We are actively approaching groups such as Rockefeller, Carnegie, Mellon, Ford, Exxon and Mobil, and projects are being drawn up presently with the intent to apply to them.

#### Enrollment Statistics:

	Men	Women	Total
Fall 1979	8373	8728	17,101
Fall 1978	8312	8524	16,836

## SUMMER SESSION

Willard L. Thompson, Director

Policy. 1) In response to the report of the Study Group on University Outreach, major discussions centered on "inloading" of Summer Session instruction. A pilot effort at inloading was undertaken with the College of Liberal Arts, with seven faculty members from five academic departments teaching Summer Session courses as a part of their B base instructional load, with the Summer Session reimbursing the College for instructional costs at Summer Session rates. As a consequence of this effort it was agreed that inloading does present a viable option to academic departments but that the Summer Session should not be liable for the instructional costs. 2) A statement of planning assumptions, goals, objectives, and priorities for the period 1981-90 was completed. Goals set out include: a) sustaining the role of the Summer Session as an integral and vitally important component of the University's academic program; b) increasing the productivity of the Summer Session in terms of enrollments; c) more fully integrating Summer Session instruction into that of the academic year; and d) achieving more realistic funding for the Summer Session, this to include the elimination of the maximum on instructional salaries, contributions toward retirement on instructional salaries, full funding for supplies, expense and equipment at departmental levels, and support for administrative services provided by department heads or their designees in the summer months.

Outreach Programs. INTERPLAY '80, an interdisciplinary course involving faculty from 17 academic units, which was designed to explore the relationships between the arts, the humanities, and the social sciences and sciences, attracted large numbers of persons from the community many of whom enrolled for personal enrichment. Sharing in the project were The Children's Theatre Company, The Minneapolis Institute of Arts, the University Gallery, and The Science Museum of Minnesota. A unique educational effort, the course focused on the period between 1890 and 1919. Foreign study programs included one by the Department of German in Munich, one by the Department of Music in Austria, and one by the College of Liberal Arts in Tianjin, China. The Lake Itasca Biology session at the Lake Itasca Forestry and Biological Station continues to attract students from all parts of the nation. A book, History of the Lake Itasca Biology Sessions, by A. C. Hodson, was published by the University of Minnesota Press in September, 1979.

### Unduplicated Summer Session Enrollments Statistics

	<u>1978</u>	<u>1979</u>	<u>1980</u>
Men	10,010	9,781	10,273
Women	<u>9,949</u>	<u>10,182</u>	<u>10,632</u>
Total	19,959	19,963	20,905
Undergraduate	15,503	15,348	16,402
Graduate	<u>4,456</u>	<u>4,615</u>	<u>4,503</u>
Total	19,959	19,963	20,905

The Summer Session continues to be an integral part of the total programming for the University providing students with opportunities to accelerate progress toward graduation, to enrich programs, and to schedule courses that weren't available to them in the regular academic year. At the same time it serves a most important function in providing study opportunities for in-service teachers from throughout the state and the upper midwest.

# INSTITUTE OF TECHNOLOGY

Roger W. Staehle, Dean

PERSONNEL: Edwin F. Stueben became the new associate dean for undergraduate studies. Catherine R. Day replaced Bruce P. Anderson as director of development.

## RESEARCH AND OUTREACH PROGRAMS, HONORS, AND SPECIAL EVENTS, BY DEPARTMENT:

Aerospace Engineering and Mechanics celebrated its 50th anniversary and honored its founder John D. Akerman during a special program in October 1979. P.R. Sethna was elected to Fellow grade of the American Society of Mechanical Engineers.

Agricultural Engineering: Don Bates and Roger Machmeier received a blue ribbon for their publication "Treatment and Disposal of Milkhouse and Milking Parlor Wastes" in the American Society of Agricultural Engineers 1979 educational aids competition.

Architecture and Landscape Architecture: Ralph Rapson received the first Minnesota Society American Institute of Architects Gold Medal, and was appointed to the Federal Reserve Board Advisory Panel. Roger Clemence was appointed to the State of Minnesota Design Selection Board. Roger Martin spent the 1979-80 sabbatical year at the University of Melbourne as visiting professor and worked on several research projects. Leonard Parker was elected president, Minnesota Society, American Institute of Architects. Five architecture students, under the direction of Thomas Hodne, were awarded first place in the International Les Halles Competition. Twenty-four students in architecture spent spring quarter studying and traveling in Egypt and Greece with teaching assistant Tarek Aboul-Naga. In conjunction with the Underground Space Center, Family Studies Center, and Center for Urban and Regional Affairs, Julia Robinson and Roger Clemence began a study of resident attitudes toward conventional and energy-efficient housing design, focusing on the earth-sheltered town houses in the Seward Neighborhood. Peter Olin was elected vice president and president-elect, Council of Educators in Landscape Architecture. Investigators from architecture and landscape architecture, civil and mineral engineering, and mechanical engineering, with Robert Diedrich as coordinator, prepared a research project directed at innovative land use, building construction, and civic systems for the St. Paul Port Authority's Energy Park Project. New faculty are Van Cline, Gail Elnicky, Robert Sykes, and Katherine Weidel.

Chemical Engineering and Materials Science: H. Ted Davis replaced Ken Keller as department head in June 1980; Keller became the University's vice president for academic affairs. Keller was faculty representative to the Minnesota Legislature during its 1980 session, and received the 1980 Food, Pharmaceutical, and Bioengineering Division Award, American Institute of Chemical Engineers. New faculty are Edward L. Cussler, D. Fennell Evans, Greg Griffin, Klavs Jensen, and Richard A. Oriani.

Chemistry: John Overend became department head in September 1979. Paul Gassman was elected chairman-elect, Division of Organic Chemistry, American Chemical Society. Robert C. Brasted received the Outstanding College of Teaching of Chemistry in the State of Minnesota Award from the Minnesota Section, American Chemical Society. Richard F. Borch received the 1979-80 IT Alumni Society-George Taylor Outstanding Teaching Award. Richard F. Zare from Stanford was the 1980 spring quarter Kolthoff Lecturer. Louis Nirenberg of the Courant Institute gave the second N.M. Riviere Memorial Lecture. Wayne Gladfelter was awarded the first Nobel Laureate Signature Award from the J.T. Baker Chemical Company for work done as a graduate student. New faculty are Jed Fisher and Wayne Gladfelter.

Civil and Mineral Engineering: Thomas C. Atchison, visiting professor, was elected vice president for North America and first vice president, International Society for Rock Mechanics. A course in Hazardous Waste Management--jointly sponsored by Environmental Protection Agency, Minnesota Pollution Control Agency, and the University--was held in June 1980. An interdisciplinary academic program on solid-hazardous waste technology and policy, consisting of five specialty courses, was established. A Symposium on Surface Water Impoundments was held in June 1980; Heinz Stefan was general chairman. Department head Charles Fairhurst was named Foreign Member, Royal Swedish Academy of Engineering Science, in November 1979. In conjunction with Family Studies Center and Center for Urban and Regional Affairs, Ray Sterling began a study of resident attitudes toward conventional and energy-efficient housing design, focusing on earth-sheltered town houses in the Seward Neighborhood.

Computer Science: Directed by William Franta and Richard Kain, a Corporate Affiliates Program in Digital Systems was started with 3M, Honeywell, and CDC. The Distinguished Lecturer Series, organized by Oscar Ibarra, started in spring 1980 and is sponsored by Computer Science Associates including Control Data, Cray Research, IBM, and Univac.

Electrical Engineering: William G. Shepherd received the University's Outstanding Achievement Award; the Space Science Center was renamed Shepherd Laboratories in his honor. Aldert van der Ziel received the 1980 Education Medal from the Institute of Electrical and Electronics Engineers. F.N. Bailey was appointed to the Editorial Board, IEEE Transactions on Automatic Control. Directed by Richard Kain and William Franta, a Corporate Affiliates Program in Digital Systems was started with 3M, Honeywell, and CDC. New faculty are Steven Case and Michael Shur.

Geology and Geophysics: V. Rama Murthy was appointed chairman, National Academy of Sciences-National Research Council's U.S. National Committee for Geochemistry. Matt Walton was appointed a member, Subcommittee on Geodynamics and Geology, Space and Terrestrial Applications Advisory Committee, NASA Advisory Council. Paul Weiblen was appointed a member, Panel on Geochemistry of Fibrous Materials Related to Health Risks, National Research Council. Thomas C. Johnson received the 1979-80 IT Alumni Society-George Taylor Outstanding Research Award. H.E. Wright was made a member, Committee on Radioactive Waste Management, National Research Council, and attended a conference on paleoclimatology in Irkutsk and Yakutsk in connection with the US-USSR Bilateral Agreement on Environmental Protection.

Mathematics had two distinguished visitors from the People's Republic of China under the auspices of the Minnesota-China Exchange Program: Honorary Fellows Guang-Lie Wang and Qi-Xiao Ye. In conjunction with the Office for Minority and Special Student Affairs, the department participated in a pilot mathematics program designed to strengthen the math background of minority students. James Serrin was elected to the National Academy of Sciences, and received the Graduate School Distinguished Alumnus Award from Indiana University. Lawrence Markus was named Regents' Professor. Johannes C.C. Nitsche received the 1979-80 IT Alumni Society-George Taylor Outstanding Service Award. Edgar Reich was elected a Foreign Member, Finnish Academy of Sciences. The department received a \$1,000,000 bequest from the estate of Katherine Ordway to establish the Samuel G. Ordway Chair in Mathematics; the search for a distinguished mathematician to fill the Chair is under way. The first Ordway Visiting Professor is Lars Ahlfors of Harvard University. During fall 1979 the department established a Mathematics Advisory Council with membership drawn from alumni, representatives of math-related and high technology local industry, and public educational institutions.

Mechanical Engineering: John N. Clausen received the 1980 Outstanding Faculty Award from the Twin-Cities Student Assembly. Max Donath received the Military Order of the Purple Heart Award for Outstanding Research in Service to the Handicapped. A convocation was held in honor of Ernst R.G. Eckert on his 75th birthday; he also received the A.V. Luikov Medal in recognition of his outstanding contributions to the science and art of heat and mass transfer and to the development of the International Centre for Heat and Mass Transfer in Dubrovnik. Arthur G. Erdman received the 1980 Pi Tau Sigma and the American Society of Mechanical Engineers Gustus L. Larson Memorial Award. Richard J. Goldstein was elected vice chairman, Midwest Universities Energy Consortium, and president, Society of the Sigma Xi, University Chapter, 1979-80, and was appointed to the Advisory Committee for Engineering and Applied Science, National Academy of Sciences. Warren Ibele was elected Fellow, American Society of Mechanical Engineers. Richard C. Jordan received an Outstanding Achievement Award at Science and Technology Day in October 1979. William A. Kleinhenz was elected vice president, Region VII, American Society of Mechanical Engineers. Edwin T. Layton was made Executive Affiliate, American Society of Mechanical Engineers. Thomas Murphy was elected Fellow, Society of Automotive Engineers. Kevin Y. Teichman received the 1980 IT Outstanding Teacher Award in recognition of excellence in instruction and providing encouragement, assistance, and inspiration to students. John S. White received the Cecil C. Craig Award of the American Society for Quality Control for his paper "Master Design Tables for Multi-Variable Experiments." The department's entry in the national SCORE (Student Competition on Relevant Engineering) won first place in the hybrid vehicle category under the direction of Arthur Erdman, in cooperation with Thomas Murphy, David Kittelson, Patrick Starr, and William Kleinhenz.



Physics and Astronomy: Deitrich Dehnhard and his research group at Los Alamos Meson Facility (LAMPF) showed that pi mesons can be used to distinguish roles played by protons and neutrons in the formation of excited states of nuclei. Phyllis Freier and C.J. Waddington had a cosmic ray experiment accepted for one of the early Space Shuttle flights. Waddington also received the NASA Exceptional Scientific Achievement Award for successfully conducting the C3 experiment on the HEAO-3 satellite. Regents' Professor of Physics Emeritus Alfred O.C. Nier, a distinguished University of Minnesota graduate (B.E.E. '31, M.S.E.E. '33, Ph.D. '36) and professor since 1938, retired in June 1980. The Northwest Area Foundation made \$625,000 available to the University, which resulted in the addition of five new faculty positions in the Physics and Astronomy Department, scheduled to be filled by fall 1981. "Minnesota Starwatch," a telephone outreach service that provides information on the seasonal night-time sky along with brief explanations of different aspects of the universe, was started in response to intense public interest in celestial events. Yan-Xin Zhang, lecturer in physics at the Nankai University, arrived in late April 1980 to work primarily with the infrared group. De-Lin Xiang, astronomer at the Purple Mountain Observatory, Nanking, spent August-October here working primarily on millimeter-wave CO data. Elly M. Berkhuijsen from the Max-Planck Institute for Radio Astronomy spent August and September in the department continuing her measurements of positions in M31. The National Science Foundation awarded a major grant to Roberta M. Humphreys and Robert Landau that will permit redevelopment of the Automated Plate Scanner; the redeveloped Luyten scanner will be applicable to research problems in many areas of astronomy and should attract many visiting users to the department. New faculty are Robert C. Kennicutt, Jr., and Gary D. Schmidt.

SPECIAL OUTREACH PROGRAMS: UNITE (University Industry Television for Education) enrollment during 1979-80 reached its largest figure to date: 724 UNITE members took 2,614 credit hours for credit and 150 members took 512 credit hours as auditors (in contrast with 1971-72 figures, which indicate 390 UNITE members took approximately 1,400 credit hours). Morris E. Nicholson, director of Continuing Education in Engineering and Science, presented the paper "Modern Information Services for World-Wide Continuing Education" at the First World Congress on Continuing Education in Engineering held in Mexico City.

IT PLACEMENT INFORMATION: The 1979-80 placement period continued the trend of very strong on-campus interviewing, setting all-time office records for the number of companies recruiting on campus. Approximately 336 companies were on campus, providing 868 schedules for nearly 8,000 interviews.

ENROLLMENT STATISTICS: Total enrollment in the Institute of Technology during 1979-80 was 5,317 students (691 women), compared to 1978-79 figures of 4,702 students (594 women).

NEW PHYSICAL FACILITIES: A ground-breaking ceremony for the new \$16.5 million Civil and Mineral Engineering earth-sheltered building was held in November 1979. The building is scheduled for completion in 1982.

## UNIVERSITY COLLEGE

James H. Werntz, Director

Operating for the first full academic year under its new constitution, University College during 1979-80 worked to strengthen its relationships with other units of the University, to develop an academic plan for serving the needs of future non-traditional student populations, and to explore ways to establish a stable funding base for its activities. As the college prepared to recognize during 1980-81 its 50 years of contributions to the University, it continued to improve its constituent programs.

A formal review of the Inter-College Program, a student-designed, credit-based degree program requiring course work from at least two colleges of the University, reported the program to be a sound and important contribution to undergraduate education at the University. The review committee's report made several recommendations for further improving aspects of the program. Recommendations called for updating the program's governance documents, seeking increased fiscal resources and physical space, and reviewing departmental faculty adviser functions, program requirements, enrollment-related issues, advising procedures, and informational materials.

Fall active student enrollment in ICP was 382, an increase of five students over that of fall 1978. (Active enrollment is defined as registration in the program within the preceding year and progress in completing the degree contract.) To meet increasing demand for information about individually designed degree programs, first-step advising sessions were increased from three to five times a week during the day and from one to two times a month during the evening.

UC 3075, Independent Study, is an opportunity for students to pursue projects which go beyond the scope of a single department or college of the University. During 1979-80, 37 students registered for 202 credits. This is a 76 percent increase in students and a 30 percent increase in credits over the previous year.

As part of its mission, UC houses experimental programs. Two programs continued as UC experiments and one attained permanent status during the year.

University Without Walls, a flexible degree program for the mature self-directed learner who wishes to combine liberal education with personal education goals, was granted permanent status by the Regents of the University during winter quarter after eight years as an experimental program. During the year, UWW implemented new admissions and graduation criteria as well as new outreach and publicity efforts. In addition, UWW developed a method for recognizing faculty contributions in individualized instruction through transfer of credit hours to the faculty member's department.

The Twin Cities Campus UWW program enrolled an average of 201 students per term during the 1979-80 academic year. The Morris Campus program enrolled an average of five students per term. Half the students are women.

The faculty committee governing the University Scholars Program recommended, and the UC Assembly agreed, to continue the program through its authorized experimental period (ending 1985) following interviews with participating students and

advisers indicating that the program has a perceived value for a specific type of student. The program, which has operated with a low profile, enables an upper division student and a faculty adviser to develop a degree contract based on individual goals and learning experiences. At the end of 1979-80, seven students were enrolled in the program and four of the seven were actively registered.

The Foreign Studies Program, recognized as a minor within the College of Liberal Arts, was fully integrated with general academic advising on foreign study within the Foreign Studies Office of the Quigley Center of International Studies. At the end of 1979-80, 9 students had completed the Foreign Studies Minor, 23 were enrolled, and another 41 had expressed interest. During winter quarter, the only period for which advising statistics were kept, 89 students received information on study abroad, some on more than one occasion.

Administrative and financial support was extended to three pilot programs: an early childhood studies program, a cross-collegiate writing program based in Duluth, and a program to assist adults with re-entry into the University through an internship experience.

Faculty member Mischa Penn continued his appointment in University College while also serving as an adjunct associate professor and teaching courses in the Department of Anthropology. Effective July 1980, he was appointed associate professor in the anthropology department with approval of the Board of Regents.

University College experienced a 1.7% retrenchment in its 1979-80 recurring budget allocation and a 65% retrenchment in its nonrecurring funds. Total expenditures for 1979-80 were \$315,171. Formal research and evaluation activities were terminated during the year due to retrenchment.

## UNIVERSITY COMPUTER SERVICES

Frank Verbrugge, Director

During the 1979-80 fiscal year, the University's instructional computer was upgraded by the replacement of the Control Data 6400 central processor with a Control Data 720-170. The enhancement was made necessary by the saturation of the previous system.

An IBM 4331 computer was installed at the St. Paul Computer Center, replacing the IBM 360/30 that had been in service for thirteen years. The old system was both obsolete and inadequate to meet the growing computer needs on the St. Paul campus.

## UNIVERSITY LIBRARIES-TWIN CITIES

Eldred Smith, University Librarian

During 1979/80, the University Libraries-Twin Cities continued to emphasize:

- 1) improving the overall quality of collections, services, and operations;
- 2) maximizing the use of resources - budget, personnel, and facilities; and
- 3) maintaining and strengthening the library's role within and contributions to the University, the state, the region, and the nation.

Budget. The University Libraries-Twin Cities' acquisition budget was increased by 20% over the previous year - from \$1,656,426 to \$1,989,381. The University Libraries' operating budget received a net reduction of \$58,019 as a result of University reallocation and retrenchment. The University Libraries reallocated \$74,001 internally, between and among units and programs.

Personnel. Richard Rohrer, formerly Assistant Director of Libraries at Kansas State University, was appointed Director of the St. Paul Campus Libraries.

Operations and Services. A variety of operational and service improvements were implemented within the University Libraries-Twin Cities during 1979/80. These included: a document delivery program in the I. T. Libraries; improvements in stack maintenance, circulation, and reserve activities in most units; improvements in bindery turnaround time; the elimination of processing backlogs; improvements in a number of processing activities; significant expansion in the access to machine-readable data bases; a number of special collections exhibits, programs, and catalogs; the development of a number of special bibliographic guides and aids, including 16 in Wilson Library; substantial expansion in bibliographic instruction programs.

Activity Levels. During 1979/80, the collection of cataloged volumes in the University Libraries-Twin Cities increased by 2% (from 3,324,962 to 3,385,318); the total collection, including all categories of material, increased by 4% (from 6,789,016 items to 7,046,964 items); annual service hours declined by 2% (from 169,180 to 165,597); circulation declined by 5% (from 1,363,321 to 1,296,966); provision of photocopies in lieu of loans increased by 11% (from 4,997,344 to 5,582,114); interlibrary lending increased by 13% (from 117,528 to 132,988); interlibrary borrowing increased by 13% (from 10,985 to 12,426); titles cataloged decreased by 27% (from 70,438 to 51,640); serial titles received declined by 1% (from 37,077 to 36,783); gifts added to the collection increased by 10% (from 5,377 to 5,938).

Facilities. The remodeled and expanded St. Paul Campus Central Library was opened for occupancy. Its total space was approximately doubled, and environmental conditions for collections, readers, and staff were substantially improved. There were space improvements, through remodeling, in the Bio-Medical Library, Central Technical Services, and Wilson Library.

Summary. In the face of continued fiscal difficulties, the University Libraries-Twin Cities are continuing to improve the quality of collections, services, operations, and facilities.

UNIVERSITY PRESS  
John Ervin, Jr., Director

Policy. A number of policies were codified and incorporated in the Statement on Mission, Planning Assumptions, Goals, Objectives, and Priorities, 1980-81 through 1984-85, which was submitted to the Administration after approval by the faculty Committee on the Press. This document set forth a plan for growth based on productivity increases at a time of inflation and declining markets in the library sector.

Special Events. Among the significant works published by the Press were The Development of American Agriculture: A Historical Analysis by Willard W. Cochrane, Trees and Shrubs for Northern Gardens by Leon C. Snyder, New Developments in the Use of the MMPI, edited by James N. Butcher, and, in cooperation with the Australian National University Press, The Pacific since Magellan: Volume I, The Spanish Lake, by O. H. K. Spate. Three books published in the previous year were in 1979-80 singled out in national competitions as being of special merit: Teaching English to Speakers of Other Languages: Substance and Technique by Betty W. Robinett, Cloning: A Biologist Reports by Robert G. McKinnell, and The Rise of Surgery by Owen H. and Sarah D. Wangenstein.

New Physical Facilities. In June 1980, office space of high quality was obtained within the University Press Building in exchange for space of lesser quality that the Press had previously occupied. In its business department, the Press acquired during the year an IBM System 34. This computer-based system facilitates inventory control, invoicing of orders, royalty accounting, and the provision of management information.

Summary. The year was one of preliminary growth in a difficult economic climate, of laying the foundations for further growth, and of placing additional emphasis on fields in which the Press has existing or nascent strength.

## COLLEGE OF VETERINARY MEDICINE

Robert H. Dunlop, Dean

Personnel. Dr. R.H. Dunlop assumed the duties as Dean of the College effective January 1, 1980, replacing Dr. B.S. Pomeroy who had served as interim Dean from January 1, 1979, to January 1, 1980.

Policy. There were no major changes in the educational programs or academic policies.

Organization. There were some changes in the administrative organization of the College. The Veterinary Diagnostic Laboratory which previously was administered as a unit of the Department of Veterinary Pathobiology was separated from this Department and became a separate administrative unit with the Director reporting to the Dean. An external review of the operation and needs of the Laboratory was completed. The office of the Associate Dean for Academic Affairs and Research was expanded to include Continuing Education and Extension Programs, Equal Opportunity Office, Alumni and Public Affairs, International Programs, Research, etc. The Research support funds in the College increased from \$1,269,073 in 1978 to \$2,222,771 in 1979. This represented an increase of 75% over 1978 and was an important accomplishment. The role of the Associate Dean for Veterinary Medical Services was expanded to encompass responsibility for capital planning and space utilization.

New Physical Facilities. Bids for the construction of Phase II Veterinary Medicine facilities were awarded in May of 1980 and construction began in July of 1980. The bids for construction were \$10,123,188, which were under the funds available for construction, allowing reinstatement of a modest amount of deleted funds for equipment. The Phase II building project included remodeling of the Veterinary Science Building, the Veterinary Hospital Building, and new construction of a Small Animal Hospital, a portion of the Large Animal Hospital, and administrative facilities.

### Enrollment Statistics.

#### Professional D.V.M. Program:

	<u>Fall</u>	<u>1979</u>
Women		137
Men		<u>180</u>
Total		317

Total enrollment in the professional teaching program remained the same as in 1978-79. The proportion of women increased from 39% in fall of 1978 to 43% in fall of 1979. Enrollment in the Graduate School in the program fields of instruction in Veterinary Medicine in 1979 was 102 students. The number of students increased from 87 in 1978 to 102 in 1979.

Summary. The appointment of Dr. R.H. Dunlop as the new Dean and his assuming the administrative leadership of the College was an extremely important event in the history of the College and its future. The beginning of construction of the Phase II building program was also an important step in the development of the College and essential to the carrying out of the teaching, research and service missions of the College. The increase in research support was also a noteworthy accomplishment. A major thrust was developed to review and upgrade the operation of the Veterinary Diagnostic Laboratory.

## DIVISIONS OF ADMINISTRATION AND PLANNING

Nils Hasselmo, Vice President

On January 7, 1980, Nils Hasselmo assumed the position of vice president for administration and planning, succeeding Robert A. Stein.

The office maintained a lead role in coordination of University planning, including the revision of the University's mission statement, the preparation of an institutional planning statement, the development of college and support unit plans, an all-University data base, the identification of issues for policy studies, and the development of an institutional goal assessment capability. Other responsibilities of the office included faculty collective bargaining, the University's possible use of the domed stadium, relations with the Special Masters appointed under the Rajender decree, and other tasks handled for the president and the University system.

The Planning Council continued to play a major role in the development of the planning process.

The Office of the Athletic Facilities Coordinator continued the monitoring of the University's athletic facilities, and the Office of Emergency Preparedness supervised the University community's public safety.

Submitting separate reports to the Annual Record will be personnel, police, and the Departments of Men's and Women's Intercollegiate Athletics, which report to the vice president for administration and planning.



DEPARTMENT OF MEN'S INTERCOLLEGIATE ATHLETICS

Paul Giel, Director

Personnel: A relatively stable year was experienced by the movement of few staff members. In football two assistant coaches left: Mike Shanahan (U. of Florida) and Pat Lavin (Phoenix, AZ, high school), and were ably replaced by Don Baker and Bob Rankin, respectively. In addition, Bill Happel replaced Jerry Fishbain as football recruiting coordinator as the latter returned to his home State, Wisconsin.

In basketball, graduate assistant Dick Lein left for Montana University and was replaced by Marty Gillespie.

In hockey, head coach Herb Brooks decided to terminate relations with the University of Minnesota following his team's spectacular winning of the hockey gold medal at the 1980 Olympic Games. His four-year assistant coach, Brad Buetow, was immediately named head coach after serving one year as acting coach of the Gopher hockey program. Also, John Perpich, previously a part-time assistant, was elevated to full-time assistant coach under Buetow.

Special Events: The University of Minnesota Gymnastics team captured its fifth consecutive Big Ten championship; the Gopher hockey team made it to the first round of the NCAA finals after winning the Big Ten championship; and the UM basketball team made it to the finals of the post-season National Invitational Tournament before losing to nationally ranked Virginia U.

Individual Honors: Varsity wrestling standout Dan Zilverberg (Hopkins) was doubly honored as recipient of the University of Minnesota's Conference Medal of Honor, and a \$1,000 grant from the National Collegiate Athletic Association to help defray expenses while attending the graduate school of his choice. Zilverberg was also named the Most Valuable Wrestler at the 1980 Big Ten Championship Meet where Minnesota finished third and he captured the 158-pound individual title.

Football - First Team All-Big Ten. . . Elmer Bailey, Wide Receiver (St. Paul).  
Academic All-Big Ten First Team. . . Alan Blanshan, Tackle (Mankato).

Basketball - First Team All-Big Ten. . . Kevin McHale (Hibbing).  
Big Ten Co-Most Valuable Player. . . Kevin McHale (Hibbing).

Hockey - First Team All-American and First Team All-WCHA. . . Tim Harrer, Wing (Bloomington). Harrer also set three new Minnesota season records, in addition to being voted the Most Valuable Player of the WCHA and setting a new single season record for most goals scored in one season in the WCHA, 45 in 28 games.

Gymnastics - All-Around Champion. . . Dan Price (Hialeah, FL). Price also captured first place in the parallel bars competition, as did Brian Meeker (Edina) in floor exercise for the five-time Big Ten championship Gophers.

Baseball - First Team All-Big Ten. . . Gary Jost, 2B (St. Paul), and Mike Lauesen, OF (Morton Grove, IL).  
Academic All-Big Ten First Team. . . Mike Lauesen, OF, and David Francour, 3B (Marinette, WI).

Tennis - All-Big Ten First Team. . . Ted Kauffman (Toledo, OH), #2 singles runner-up. Big Ten Champions. . . Hakan Almstrom (Stockholm, Sweden) #4 singles, plus Almstrom and Kent Helgeson (St. Cloud), #2 doubles. Minnesota hosted the 1980 Big Ten Championship Meet at the Northwest Racquet and Swim Club in excellent style.

Golf - All-Big Ten First Team. . . Tom Lehman (Alexandria).

DEPARTMENT OF WOMEN'S INTERCOLLEGIATE ATHLETICS

Vivian Barfield, Director

A total of 223 women student-athletes participated in the 1979-80 women's athletic program of 10 varsity sports. The Patty Berg Development Fund raised \$48,441 during 1979-80: \$6,635 from individuals, \$10,125 from corporations and foundations, and \$13,103 from special events. This success enabled women's athletics to grant scholarships to 94 women athletes.

The season saw a change of structure for the Association for Intercollegiate Athletics for Women (AIAW). Members of AIAW selected the competition division for each sport; the University competes in all 10 sports in Division One.

The basketball team compiled an 18-11 record, placing second at the Big 10 Championship and third at the AIAW Region 6 North Sub-Regional Championship. Linda Roberts became Minnesota's leading women's collegiate scorer and was a final nominee for the Wade Trophy, given to the finest female collegiate basketball player in the nation. Head Coach Ellen Mosher was among 20 coaches nominated for the Stayfree Coach of the Year Award. Roberts and Mary Manderfeld were named to the AIAW Region 6 Team.

The cross country team won two invitational titles and finished sixth at both the Big 10 and AIAW Region 6 Championships. Rocky Racette and Terrie Wegner qualified for the AIAW National Championship; Racette finished 59th and Wegner, 110th.

Coach Ruth Christianson led the field hockey team to a 13-17-1 record. The squad finished third at the AIAW Region 6 Championship, which Minnesota co-hosted.

Junior Kathy Williams led the golf team to two invitational victories, and the team placed sixth at the AIAW Region 6 and Big 10 Championships. Williams placed 23rd at the AIAW Championship.

The gymnastics team won its first-ever AIAW Region 6 Championship, compiled a 5-1 dual meet record, won three invitationals, and placed third at the Big 10 Championship. Robin Huebner won the Big 10 All-Around, uneven parallel bars, and floor exercise individual titles; Teresa Schneider won AIAW Region 6 All-Around, vaulting, uneven parallel bars, and floor exercise titles. Minnesota hosted the AIAW Region 6 Championship, and placed 15th at the AIAW National Championship.

Also selected to host an AIAW Region 6 Championship was the softball team, which recorded an 18-21-1 season total. They finished second at the Minnesota Invitational, third at the Iowa State Invitational, and seventh at the AIAW Region 6 Championship.

The swim team gave Minnesota four All-Americans. The 200-yard freestyle relay team of Stephanie Schoening, Britta Wilk, Cindy McCollum, and Julie Benz placed 14th at the AIAW National Championship. Overall, the swimmers finished with a 4-5 dual meet record and seventh at the Big 10 Championship. Minnesota got 34th place at the AIAW Nationals.

The tennis team had a 21-9 record, won its third consecutive AIAW Region 6 Championship, and won sixth place at the Big 10 Championship. JeNelle Johnson and Wendi Luhmann placed second in the AIAW Region 6 Doubles Championship. Johnson and Kari Sandvig were selected to the All-Region 6 team.

The track and field team won the Mankato State Invitational, and finished sixth at the AIAW Region 6 Championship and ninth at the Big 10 Indoor and Outdoor Championships. Racette finished third in the 5,000-meter run at the 1980 AIAW Indoor National Championship, giving Minnesota a 29th place finish. She placed seventh at the AIAW Outdoor National Championship, third at the Nike Exhibition at the Olympic trials, and won the Big 10 title when Minnesota was host for the Big 10 Outdoor Championship.

The volleyball team had its fourth 30-win season, finishing 39-16-2. It won the Minnesota and Gopher Invitationals, finished second at the Gold Country Classic, won the AIAW Sub-Region 6 Championship, and placed third at the AIAW Region 6 Championship, falling one spot short of qualifying for the AIAW National Championship.

Patti Hagemeyer, a four-year letter-winner on the volleyball team, was named the 1979-80 Athlete of the Year at the annual spring Patty Berg Awards Banquet.

Three new staff appointments were made in 1979-80: Bob Kieber, head golf coach; Dusty Rippelmeyer, assistant athletic trainer; and Nancy Adams, business manager. The first season ticket plan was offered for volleyball, basketball, and gymnastics during 1979-80. The sports information staff won a national award for a golf brochure. And, the women's athletics program cosponsored two women's professional basketball games at Williams Arena during March. The Minnesota Fillies worked with the women's athletics department for two games during their playoff and championship series.

## UNIVERSITY PERSONNEL DEPARTMENT

William C. Thomas, Assistant Vice President for Administration and  
Director of Personnel

### Program Changes:

- Benefits - Coverage offered for any HMO licensed in Minnesota (2/80)  
Life Insurance coverage changed from years of service  
formula to salary formula (7/79)  
Mandatory retirement age for faculty changed from 68  
to 70 (7/79) Note: Civil Service changed 7/78
- Compensation - Published Compensation Manual (2/80)
- Employment - Eliminated applicant typing and shorthand testing (5/80)
- Labor Relations - AFSCME Local 1164 contract covering University Hospital  
Support Employees signed 1/80  
Teamster Local 320 contract covering University Service  
and Support employees signed 11/79  
PELRA amendments abolished established bargaining units  
and created 12 bargaining units for all University employees  
4/80
- Human Resources - Published Paper Cycle replacing Business Procedures Manual  
Development Div. 5/80  
Personal Resources Program expanded to include outstate  
campuses.
- Human Resources - UPPS System Design Objectives published (8/79)  
Info. Division

### Organizational Changes:

Decentralization of the Office Services Division reassigned clerical support to  
functional Personnel Department Divisions (5/80)

### Physical Changes:

Consolidation of Personnel Department into one location at 1919 University Avenue,  
St. Paul (5/80)

- Office of the Director of Personnel from 317 Morrill Hall
- Compensation Division from 315 and 316 Morrill Hall
- Human Resources Development Division from 200 University Press Building
- Employee Benefits from 2642 University Avenue
- Other Personnel Divisions from 2651 University Avenue  
(Student Employment remained at 6 Morrill Hall and Academic Records remained  
at 2 Morrill Hall.)

## UNIVERSITY POLICE DEPARTMENT

Eugene W. Wilson, Chief

Captain Harry Michalicek left the Twin Cities campus to become head of the University of Minnesota, Duluth, campus police.

The University Police ambulance service has been licensed by the Minnesota Department of Health and approved as a basic life support unit. All officers have received emergency medical technician training and certification.

An Escort Program has been established and is providing safety for those faculty, staff, and students who are on campus between 6 p.m. and 2 a.m. Up to 300 requests for escort are received each week.

According to the F.B.I. Uniform Crime Reports for 1979, the University of Minnesota campuses rank as one of the safest of the seven Big Ten colleges reporting to the Federal Bureau of Investigation.

## DIVISIONS OF FINANCE

Clinton T. Johnson, Acting Vice President

PERSONNEL. Donald P. Brown, Vice President for Finance, resigned his position on February 29, 1980. He was replaced by Clinton T. Johnson on March 1, 1980, on an acting basis, until a permanent appointment can be made.

ADMINISTRATIVE DATA PROCESSING. The Administrative Data Processing Department (ADPD) develops and operates computer systems in these application areas: student registration, student records, admissions, prospective students, student aids, general accounting, research accounting, property accounting, budgeting, space inventory, storehouse inventory, parking services, telephone billing, payroll, personnel records, affirmative action, alumni records, and central addressing. A major proportion of ADPD's resources are devoted to maintaining and enhancing these systems to meet changing federal, state and University reporting requirements. Also ADPD works with other University departments to develop new systems such as the student registration system that is in process of implementation. In addition to these University-wide systems, ADPD also provides specialized administrative computer services to the Graduate School, the Health Sciences, University Libraries, and the Duluth Campus.

INVESTMENTS AND CASH MANAGEMENT. In calendar 1980 the following major items of change regarding policy and operating procedure were significant: Securities lending became an important part of operations, through an agent, First Capital Strategists. Income from this new activity, which has little effect on regular investment operations, exceeds \$200,000 for calendar 1980. The Regents approved entry into securities lending in September, 1979. Efforts toward improvements in data available for cash management and temporary investments, in the area of cash forecasting, is in process, both internally through the Data Processing area and with assistance from outside the University. Endowment funds, through the efforts of existing managers, now include added emphasis in the area of Upper Midwest and international stock investments. A number of companies began to be excluded from the University's stock and bond investment program because of non-compliance with the Regents' policy regarding adherence to the Sullivan Principles regarding investments in South Africa.

MANAGEMENT PLANNING AND INFORMATION SERVICES. With the December, 1979, adoption of a set of Regents' Tuition Policies, a long-term policy interest of MPIS was successfully established as an institutional position. During the year, MPIS became much more involved in the current round of academic planning which is expected to lead to the production of Presidential Memoranda of Understanding. Much of our continuing work with the Association of American Universities Data Exchange proved useful in the planning

process. Enrollment projection models functioned with more than expected accuracy. Extension of the student preference matrices to cover Duluth colleges and various categories of graduate enrollment separately was successfully completed. Among other ongoing research projects are incentives in academic planning and budgeting, a program and campus optimization model, spending and employment effects of University activity, factors influencing early faculty retirement, and resource projection methods.

PATENTS. The Board of Regents, after review and recommendation by the University Senate and a Regents' Patent Subcommittee, approved a revised Patent Policy on May 9, 1980. The new policy clarifies several important policy elements such as the University's rights and obligations in inventions, and the allocation of patent rights under externally sponsored research. The new policy also provides a variable schedule for the sharing of royalties with inventors. The former policy was enacted in 1962.

TREASURER'S OFFICE. The University Treasurer's Office is now reconciling the payroll, expense and scholarship and loan checks by means of an automated reconciling process through our Data Processing Department. This computerized process eliminates the manual preparation of outstanding check lists and a final reconciliation processed by computer. This process began in September 1980.

UNIVERSITY ATTORNEY. The Office of the University Attorney includes the Office of the Patent Administrator, the Office of the Real Estate Coordinator, and the Office of University Property/Casualty Insurance. The function of the University Attorney's Office is to provide legal advice to the governing board, administration, and staff, to coordinate and monitor the services of retained counsel, and to supervise and review the legal issues related to patents, real estate and property/casualty insurance.

OFFICE OF RESEARCH ADMINISTRATION. The Office of Research Administration (ORA) under the Office of the Vice President for Finance, reviews all proposals for research and training funds from outside agencies to ensure adherence to University and funding agency policies. Proposals are checked for consistency with University policies on space, staffing, use of equipment, and cost-sharing, and other considerations as requested by the Vice Presidents for Finance and Academic Affairs. ORA assists faculty in the processing of applications, development and preparation of proposals, identification of fund sources, and preparation of budgets, as well as providing ongoing liaison and administrative management of sponsored projects during the life of contracts and grants. The office works closely with the Director of Development when private grant funds are sought, provides staff support for the Administrative Development Committee, and works with the Business Office and the University Patent Adviser. A special staff gathers and analyzes financial and other data for reports relevant to sponsored research and training.

OFFICE OF THE CONTROLLER

Glenn Smith, Controller

No report submitted.

## OFFICE OF ALUMNI RELATIONS AND DEVELOPMENT

Robert J. Odegard, Associate Vice President  
for Alumni Relations and Development

### Personnel

Richard L. Meyer assumed responsibilities of Director of Development on July 1, 1980.

### Policy/Organization

1. The program model emphasizing constituent unit fundraising continued to expand in 1979-80. Full-time development personnel were assigned to the University of Minnesota, Duluth; the University of Minnesota Technical College, Crookston; and the Schools of Dentistry and Nursing, in addition to existing development support in the Institute of Technology, the College of Business Administration, and the Institute of Agriculture, Forestry and Home Economics.
2. Work continues on the establishment of a new, on-line, data-base computer system which will serve as a central address file of alumni, donors and other University friends. The system will function as a sophisticated gift/alumni association membership storage and retrieval unit, while serving other University areas as a central mail list source. Major economies will be accomplished through the system's programming and word processing capabilities.
3. In 1979-80, Minnesota Alumni Association programs supported twenty-one individual constituent societies working in concert with collegiate units of the University, and nearly 50 geographic alumni chapters. Membership grew by 10% in 1979-80.
4. The Minnesota Alumni Association serves more than 23,500 due paying members and represents more than 290,000 alumni and 45,000 students through its alumni constituent societies, alumni chapters, the Alumni Association student board, special events, publications and University advocacy programs.

### Special Events

1. Private, voluntary support of the University of Minnesota, compiled for the Council on Financial Aid to Education (CFAE) totalled \$40.5 million in 1979-80, an increase of \$2.7 million above the previous year's figure of \$37.8 million.
2. Fiscal year 1979-80 resulted in \$16,305,051 contributed to the University of Minnesota through the University of Minnesota Foundation.
3. In October 1979 the Regents' Professorship Program, honoring the University's finest academics, was expanded in number from 15 to 18 recipients. Regents' Professors receive an annual stipend of \$5,000 from the University Foundation; the award represents the highest honor bestowed on a faculty member.
4. Exceptional high school students may now compete for National Merit Scholarships and attend the University of Minnesota through a \$1 million endowment provided by the McKnight Foundation during 1979-80. The Minnesota program, named for former governor Elmer L. Andersen, will provide \$75,000 annually for distribution to selected National Merit finalists; in addition, \$25,000 will be awarded annually from the



McKnight endowment for Presidential Scholars. The first recipients will begin classes in the fall of 1981.

The Minnesota Alumni Association is working with the Office of Admissions and Records to recognize presidential scholars. In addition to its support of the Presidential Scholar Program, the Minnesota Alumni Association supports a number of scholarships annually through its various constituent alumni societies and has started a new scholarship program this year to recognize student leaders who work as volunteers on behalf of the University.

5. Generous support from the corporate community, friends and alumni resulted in the establishment of endowed chairs and professorships:

Insurance Chair,  
College of Business Administration

Banking Chair,  
College of Business Administration

Honeywell Chair in Management Information Systems,  
College of Business Administration

Julius E. Davis Professor of Law Chair

Control Data Corporation, Professor of Computer Science Chair

Samuel G. Ordway Chair in Mathematics

6. The Minnesota Alumni Association celebrated its 75th Anniversary in 1979. A sculpture commissioned for the University by the Association will be dedicated in the fall of 1981 on the court outside Williamson Hall.

## OFFICE OF PHYSICAL PLANNING

Clinton N. Hewitt, Assistant Vice President

Personnel: Mr. Jeffrey Meyer was appointed Physical Planning's Director of the Office of Space Programming and Management. Mr. Russell Smith was appointed Physical Planning's University Building Official.

Policy: Formal plan review procedures are being developed to insure early and consistent code input on all construction projects.

Special Events: Hosted the Higher Education Facilities Management Association - Summer Conference.

Facilities Relocation: The mapping section of the Planning Office moved to Fraser Hall Room B-25.

### Summary:

- Completed Phase I of the Northeast Quadrant Study, a detailed land use and future development plan for a major portion of the East Bank of the Minneapolis Campus.
- Initiated an Athletic Facilities Study for the coordinate campuses.
- Issued building permit fees as follows:

	<u>Permits Issued</u>	<u>Construction Valuation</u>	<u>Permit Fees</u>
Twin Cities Campus	109	\$9,985,720	\$19,771
Coordinate Campuses	48	\$7,676,500	\$15,153

- Initiated development of a Minnesota Facilities Model (Space Programming and Management).
- Completed construction projects.

### Minneapolis Campus

Phase I remodeling Jackson/Owre/Millard/Lyons Complex  
Crematorium located in Jackson Hall  
Phillips-Wangensteen Building Phase III - Food Service Facility  
Phillips-Wangensteen Building Phase IV-C - Eighth Floor Office Facilities  
Department of Otolaryngology  
Phillips-Wangensteen Building Phase VI - Sixth Floor Lipid Research Facilities  
Smith Hall Laboratory Remodeling - Room 410  
Williamson Hall Solar Collectors  
Remodeling First Floor Morrill Hall  
Comstock Hall Handicapped Ramp

### St. Paul Campus

Student Center Expansion  
Bailey Hall Addition  
Earle Brown Continuing Education Center, Ground Floor  
Plot Land Irrigation System

Replacement Building 332 Cattle Shed  
Remodel portions of Dairy & Swine Facilities

Duluth Campus

Water Distribution System Improvements - Phase II  
Coal Gasification

Morris Campus

Science Building Remodeling - Laboratory Facilities

Waseca Campus

Outdoor Physical Education Facility  
Plant Services Facility Addition and Renovation

Crookston Campus

Learning Resource Center Addition  
Food Service Facility  
Heating Plant Improvements, Ash Handling System

Research Centers/Experiment Stations

Field Laboratory Building - Crookston  
Silo with Unloader - Grand Rapids  
Greenhouse/Headhouse - Grand Rapids  
Machine Storage Building - Morris  
Chemical Storage Facility - Morris  
Three Grain Dryer Bins - Morris  
Resurface Roadway and Parking Lot - Lamberton  
Two Grain Dryer Bins - Lamberton  
Remodel Dining & Kitchen Facilities - Cloquet  
Polishing Pond for Sewage Treatment - Cloquet  
Extension of Sewer Lines - Cloquet  
Shop and Farm Operations Center - Waseca  
Chemical Storage Building - Waseca  
One 26,660 Bushel Drying and Storage Bin - Waseca  
Resident Manager's House and Office - Itasca  
Dining Hall & Kitchen Rehabilitation - Itasca  
Chain Link Fence - Excelsior  
Machine Shed Expansion - Landscape Arboretum  
Sewer Connection to Chanhassen System - Landscape Arboretum  
Conservatory Greenhouse Research and Education Facility - Landscape Arboretum  
Pole Type Cattle Shed - Rosemount  
Storage Building - Cedar Creek

SUPPORT SERVICES AND OPERATIONS  
C. L. Carlson, Assistant Vice President

Productivity in Support Services operations was analyzed through indices for comparison with standards and observation of trends. Market tests were made to give assurance that other means of obtaining service are no more productive. Need for services was continually reviewed. A supervisory training program was developed as a means to strengthen employee-management relationships for improvement in productivity.

Annual reports of division directors give details of the year's activities, from which these highlights have been extracted.

University Housing - Organizational changes were implemented, and the position of Coordinator of University Housing and Director of Housing Twin Cities was filled. A detailed long-range planning document on assumptions, goals, objectives, and priorities for all divisions of housing was developed by staff. MBO programs were extended. Contacts were established with coordinate campuses for programmatic consistency.

Installation of the computerized food precast control system resulted in food cost savings without negative affect on menu attractiveness or food and meal quality.

Residence halls experienced unprecedented demand for 1980-81 accommodations in spite of the opening of the 200 space addition to Bailey Hall beginning fall 1980. A growing housing shortage in nonuniversity rental units in the area as well, made it necessary to maintain a strong off-campus division. Listings were generated through ads in local newspapers and mailings to Minneapolis-St. Paul landlords. A substantial number of accommodations at a local hotel were obtained for listing. Off-Campus Housing Office hours were extended. A one-day commuter affairs conference was organized, with presentations from local and national authorities.

A pilot study at the St. Paul division of off-campus housing showed that 25% of students who used the St. Paul office obtained housing through the service. A similar study of the Minneapolis office contacts and placements is planned for the coming year.

Remodeling of the Centennial Hall food service is scheduled for spring and summer 1981.

A new student government organization achieved greater and more visible student involvement in governance of the residence halls. The Central Board for Residence Hall Affairs, comprised of presidents of student government of each hall, was concerned with unification of the system and increased political representation on campus.

Food Services - The "Terrace Dining Room" and "The Rouser" were opened at the completion of remodeling and expansion of the St. Paul Student Center. A smaller snack bar in the lower level is planned for the coming year, to extend service on a limited flexible basis during lower demand periods. The "Outside In" at Health Science Unit B/C was opened, with capability for serving Pharmacy Unit F when it is occupied. Shevlin Cafeteria upgrading was completed with the installation of air conditioning. The new West Bank Union all-weather connection across Washington Avenue improved accessibility to various food service locations.

Plans for the Production Center were ready for start of construction in the Food Stores Building. Convenience foods will be available for purchase by service units.

Improvements in operating systems of University food supply services were implemented to meet defined needs of residence hall, hospitals and public food service users. Changes were effected in setting product specifications, interviewing vendors, testing and evaluating, scheduling customer deliveries, controlling inventory, billing, forecasting, and providing computer-generated management information.

University of Minnesota food services were featured in "Institutions" industry magazine for food professionals.

Bookstores - Books Underground adjacent to the St. Paul Student Center replaced the Coffey Hall Bookstore in February 1980. Plans were completed for construction of a storage location in Nicholson Hall. Efforts were continued for expansion of the Health Sciences Bookstore.

Transportation - Attempts at initiation of a van pool service at the University were less successful than desired, resulting in the formation of two pools.

Inquiries were initiated relative to developing an accreditation program and associate degree through General College incorporating Flight Facilities ground school and flight training courses to prepare students for this field of service.

Printing Services - As University departments may be forced to economize on printing expenditures, the need for flexibility through intelligent planning in printing operations has been recognized, with emphasis on cost analysis and control.

Time and cost savings have accrued to departments through the production of typeset material from CPT word processors, and from Administrative Data Processing and University Computer Center computers. Plans were made for transmittal from computers and word processors via telephone to begin December 1980.

Relocation of Duplicating Services to the Chemical Storehouse Building was planned for the coming year, as a result of sale of the building housing this operation.

A mini-computer for file storage and generation of mailing labels was installed for cost savings to customers. An on-line system for Central Mail List Service was planned.

Campus Mail discontinued delivery to unattended hall boxes, but complete department delivery has not been fully implemented. Plans were started for expanded pickup to decrease delivery time of approximately 30% of the mail by one-half day. Consideration was given to centralized metering and presorting first class mail for economy.

A mailgram terminal was installed in the Telephone Information Service Office, permitting departments to transmit messages electronically for mail delivery the next day.

Technical Services - Scientific Apparatus Services was moved from Diehl Hall to Space Science Center, with a closed circuit TV system connecting the shop with Health Science.

After review of a pilot program plans were finalized to install filters and heat reclaimers on all tumblers at the University Laundry. Fuel savings of approximately 30% are anticipated together with effective lint collection. Study of waste water was started for recommendation on a heat reclamation system.

Office Equipment Rentals provided consulting services at no charge for analysis of equipment needs, feasibility study, preparation of specifications, assistance in bid evaluation, and installation relating to copiers and word processors.

Physical Plant - New programs were implemented following consultant reviews and training of custodial supervisors. Job control will be achieved through scheduling, tracking and liaison with user departments. Programming was completed on the authorization accounting system.

A locomotive engine for use at the coal unloading facility was leased with option to buy. Minneapolis baghouse units were operational. Test results of baghouse units at St. Paul were accepted.

The major construction effort in the Grid ICES program centered on interconnecting tunnels between plants and the St. Mary's tunnel.

A federal grant was received to study feasibility of Aquifer Thermal Energy Storage on the St. Paul Campus. Benefits would include reduced coal deliveries to St. Paul, and improved cogeneration at the Southeast Steam plant with the St. Paul plant as a topping plant.

Major emphasis continued toward energy conservation, including testing and operation of the Duluth coal gasifier, auditing of buildings on coordinate campuses, and adding buildings at the Minneapolis Building Systems Automation Center.

An autoclaving program and positive segregation of waste were established throughout University Hospitals, to reduce the volume of biohazardous infectious waste being incinerated, for savings approximating \$100,000 annually.

DIVISIONS OF HEALTH SCIENCES

Lyle French, Vice President

No report submitted.

SCHOOL OF DENTISTRY  
Richard C. Oliver, Dean

1. Changes in Organization and Personnel

There was further implementation of the School of Dentistry's Constitution adopted April 2, 1979. For the departmentalization permitted by the Constitution, a number of divisions were changed to departments, the Division of Oral Pathology and the Division of Human and Oral Genetics were combined to form the Department of Oral Pathology and Genetics, a new Department of Oral Diagnosis and Radiology was established, the Programs in Dental Hygiene and Dental Assisting were joined into a Department of Dental Auxiliaries, and other individual educational programs were brought into specific departments. The Civil Service Advisory Council provided for in the Constitution was elected to carry out its advisory role to the Council of the Faculty and the Dean on matters concerning membership on committees by the civil service staff and areas of concern to the staff which come under the jurisdiction of the School of Dentistry.

2. General Practice Residency Program Formed

A General Practice Residency Program planned in 1978-79 had its first year of operation in 1979-80. The purpose of the 12-month program is to train recent graduates in dentistry to become more efficient and effective primary dental health care providers through increased experiences in diagnosis and definitive clinical care, office and personnel management, hospital based dentistry, and the care of medically compromised and physically handicapped patients as well as healthy patients.

3. Formation of Official Administrative Policies

The new Council on Administration continued review and approval of formal administrative policies submitted by Dean Richard Oliver, a practice he initiated when he became Dean with the then existing Faculty Executive Committee. As of June 30, 1980, thirteen administrative policies had been approved covering such issues as payment for patient services, civil service staff eleven-month appointments, teaching assistant appointments and graduate student support, and civil service staff recruitment and employment.

4. Outreach and Research Programs

- a. Through courses offered in the School of Dentistry and the Outreach Program, there were 4,070 participants in the 1979-80 Continuing Education Program, the largest enrollment in the history of the School of Dentistry.
- b. The sponsored research support in 1979-80 increased 31 percent over 1978-79 which was 29.3 percent higher than in 1977-78. The faculty submitted 40 new research grant proposals, and some 46 research grants were funded. A major grant of \$300,000 for a three-year period was received by the Department of Periodontology from the National Institute of Dental Research for an epidemiological study of the relationship between supragingival and subgingival plaque organisms and periodontal disease. Basic and clinical research studies in the School of Dentistry were diversified covering such topics as fluoride metabolism, blood flow, the microbiology of periodontal disease and dental caries, the biologic effects of dental materials, facial form, color selection in restorative materials, the genetic makeup of viruses, cystic fibrosis, and albinism.

5. Special Achievements, Events, and Decisions

- a. Dean Richard C. Oliver was elected the 1979-80 President-Elect of the American Association of Dental Schools.

- b. The School held an all-day faculty retreat at the University's Arboretum on September 28, 1979. During the morning, Dr. Robert Veninga from the School of Public Health gave an informative presentation on the "Work Stress Connection: Preventing Occupational Burnout". In the afternoon, Dean Richard Oliver gave a "State of the School" report followed by the faculty working in small groups on faculty development.
- c. A third annual all-day alumni-student program, sponsored by the School of Dentistry Alumni Society, was held February 2, 1980 featuring Dr. Burton Press giving a presentation on "Managing Your Practice -- Today and Tomorrow".
- d. During 1979-80, the faculty published 212 articles, chapters in textbooks, and abstracts in comparison to some 160 in 1978-79.
- e. A Dental Careers Day was held May 3, 1980 with over 70 different displays, exhibits, demonstrations, and lectures presented for some 230 prospective students and visitors.
- f. The Sixteenth Annual Post-Alumni Day Seminar was held November 17, 1979 with Dr. Sigmund Stahl, a distinguished 1947 graduate of the School of Dentistry, giving a lecture on "Periodontal Therapy - A Review for 1979". Dr. Stahl was given a distinguished alumni lecturer award by Dean Richard Oliver.
- g. The School of Dentistry continued its long-standing practice of bringing distinguished lecturers and visiting faculty to the School including professionals from foreign countries as part of the School's commitment to international educational exchange and goodwill. Some of the international scientists and clinicians here in 1979-80 were Dr. Martin Ritzau and Dr. Mogens Glahn from Denmark, Dr. Bjarne Betten from Norway, Dr. George Gow-Gates from Australia, Dr. Per Odman from Sweden, Dr. Aurora Rojas from the Phillipines, and Dr. Keigo Kudo from Japan. As evidence of the School's extensive international activities during the past four decades, students and faculty have come to our School for study or teaching/research activities from 49 foreign countries and our faculty have provided educational and consulting services in 73 different nations.
- h. The School's new "Code of Conduct for Undergraduate Students" was approved May 13, 1980 by the Student Affairs Committee and June 19, 1980 by the Council on Administration.

## 6. Enrollment

Dentistry: 1978-79 Men (M)-515, Women (W)-68; 1979-80 M-506, W-79. Dental Hygiene 2-Year: 1978-79 M-0, W-221, 1979-80 M-1, W-245. Dental Hygiene B.S.: 1978-79 M-3 W-29 (15 F-T including 2 men and 17 P-T); 1979-80 M-0 W-23 (12 F-T and 11 P-T). Dental Assisting 2-Year: M-0, W-34; 1979-80 M-0, W-38 (For 1979-80, five women were enrolled in a one-year program.) Dental Assisting B.S.: 1978-79 M-0, W-3; 1979-80 M-0, W-3. Graduate Dental Specialties: 1978-79 M-38, W-8; 1979-80 M-44, W-11. Graduate Basic Sciences & Non-Specialties: 1978-79 M-13, W-3; 1979-80 M-12, W-2.

## 7. Summary

While the School of Dentistry had reasons for pride in the quality and comprehensiveness of its educational, research, and service programs during 1979-80, the decline in real operating dollars and the continuing issue of having staff and faculty salaries not keeping up with inflation created serious problems in the School. To compensate partially for these budget problems, cost reductions were made by eliminating some staff and faculty positions and decreasing the use of supplies and services. A corollary problem was the relative decrease in clinical services needed and requested by patients. While the pool of patients was increased over the previous year, there was less clinical work to do for the average patient.



MEDICAL SCHOOL  
N. L. Gault, Dean

No report submitted.

SCHOOL OF NURSING

Inez G. Hinsvark, Acting Dean

Personnel: 1) Dr. Ellen T. Fahy was appointed dean of the School of Nursing.

Policy: 1) The Bylaws of the School were adopted in October 1979. 2) The second draft of the School's Long Range Planning document was submitted December 15, 1979. 3) A Salary Study was completed in February 1980. This Study became the basis for achieving greater equality for salaries of faculty in the School of Nursing. 4) A revised proposal for a doctoral program was forwarded to the Graduate School in June 1980.

Organization: Two of the three Councils authorized by the new Constitution were developed. By June 1980 both the Council for Graduate Studies and the Council for Undergraduate Studies were well functioning units. Study began on the development of the Council of Continuing Education.

Research and Outreach Programs: 1) A major two year study to develop a causal model for nurse turnover in Neonatal Intensive Care Units was funded by HEW. The study is directed by Dr. Mitzi Duxbury, Professor and Assistant Dean of Graduate Studies. The findings will have national significance for planning the education and work environment for nurse personnel. 2) Dr. Marilyn Sime was granted funds to conduct research into the relationship of preoperative information and response to surgery. 3) Dean Irene Ramey bequeathed the major part of her estate to the School of Nursing for research purposes. 4) The partially external Master's Degree Program for nurses was implemented under state funding in Rochester and Duluth. 5) The Continuing Education Program on Cultural Diversity and Health won a national award for innovative programming from the National Education Association and American College Testing Program.

Special Events: 1) A memorial service was held in July 1979 for Dean Irene Ramey. 2) A committee was appointed to begin planning for the 75th anniversary of the establishment of the School of Nursing. Dr. Isabel Harris, Professor and Dean Emeritus was appointed Chairperson.

Enrollment Statistics:

	<u>Fall 1978</u>		<u>Fall 1979</u>	
	<u>Undergraduate</u>	<u>Graduate</u>	<u>Undergraduate</u>	<u>Graduate</u>
Men	33	7	40	6
Women	434	108 & 43*	422	159 & 67*
Total	467	158*	462	232

\* Includes adult specials students

There was a 47 percent increase in graduate students due largely to the increased number of new students enrolled in the off-campus courses.

Summary: In April 1980, the School of Nursing and the School of Nursing Foundation took action to employ a development officer for the School. Funds will be raised to: 1) complete the equipment needed for Unit F, 2) endow a chair for research, 3) support significant faculty research, and 4) provide scholarships for students.

## COLLEGE OF PHARMACY

Lawrence C. Weaver, Dean

Personnel. 1) Dr. F.E. Digangi, Assoc. Dean, became responsible for Administrative Affairs (Planning, Finance, Alumni, Graduate Studies and Research). 2) Dr. H.F. Kabat, Assoc. Dean, became responsible for Academic Affairs (B.S. and Pharm.D. professional programs, Continuing Pharmacy Education, Student Affairs, DISC and Educational Development Services).

Policy. The planning document was reviewed by the Health Sciences and the President. The highest priority was the initiation of the single professional degree, Doctor of Pharmacy, for fall 1981. Despite the careful planning of the College with the profession in Minnesota to move to the Doctor of Pharmacy as the entry degree level for practice, the University Administration and Board of Regents considered it best to continue the B.S. in Pharmacy degree. Thus, students would be given a choice of degree program. The Constitution and By-laws of the College were approved by the Regents.

Organization. The Alcohol and Other Drug Abuse Programs was transferred to the Office of the Vice President for Health Sciences. The College was reorganized as shown under personnel.

Research. The total resources for the College in 1979-80 amounted to \$2,794,701. The sources were as follows: State 65.3%, Federal 17.7%, Private 15.0%. All the Federal monies were for research and training. Total expenditures in this area from all sources amounted to about \$900,000. There are about 80 students pursuing graduate degrees in the five programs offered in the College of Pharmacy. The College was awarded an \$840,000 grant by the Kellogg Foundation to develop the Clinical Scientist in Pharmacy as recommended by the Millis Commission on Pharmacy.

Outreach. Over 5000 children and senior citizens received presentations from students through the Drug Information Service Center (DISC), Poison Information, Drug Information and Drug Information center answered community questions. More than 300 students received a portion of their education delivering pharmaceutical services to patients. Faculty were based at the Prison and Fergus Falls. In 27 centers across the State, Continuing Education for pharmacists was provided.

Special Events. 1) Funding drives to raise resources to replace equipment and furnishings in Unit F committed to assure completion of the facility. Anonymous donor gave about one million dollars to support first chair in pharmacy and undergraduate fellowships.

2) One of graduates, Dr. A. Heyndrickx, a well known toxicologist was awarded the Outstanding Achievement Award by the Board of Regents in May. 3) Dr. P.S. Portoghese, Professor and Director of Graduate Studies in Medicinal Chemistry received the Academy of Pharmaceutical Sciences prestigious Outstanding Research Medal in San Antonio in November in recognition of his valuable contributions to the field of Medicinal Chemistry.

Enrollment Statistics. There was a more than 25% drop in first year enrollment in the B.S. program reflecting a general decline in health professions applications. There was a 50% increase in Pharm.D. admissions reflecting the growing interest in this degree program. Total student enrollment is off by about 30 students.

Summary. Reorganization of the College to better carry out its programs is of major significance. The College continues to play a leadership role in the innovations for practice and education in Pharmacy. Construction on the new facility moves forward.

## SCHOOL OF PUBLIC HEALTH

Lee D. Stauffer, Dean

Personnel: Dr. Raymond Carlaw was appointed Director of the Program in Health Education July 1979; Dr. Jack Hafner was appointed Acting Director of the Program in Health Care Psychology September 1979; Dr. George Johnson was appointed Director of the Program in Hospital and Health Care Administration April 1980. Searches were being conducted for positions of director of the Program in Public Health Nursing and for associate dean.

Policy: The first Constitution and Bylaws of the School was approved by the Board of Regents in May. The School's final draft of its Planning Document (Statement on Mission, Planning Assumptions, Goals, Objectives, and Priorities) was approved by the faculty and forwarded to the University President in December.

Research Programs: A multimillion dollar, ten year research award was made by the National Heart, Lung, and Blood Institute for "The Minnesota Community Prevention Program for Cardiovascular Disease" in the Laboratory of Physiological Hygiene. The national Multiple Risk Factor Intervention Trial continued in its sixth year with the Program in Biometry operating the Coordinating Center and the Program in Physiological Hygiene operating one of several Clinical Centers across the nation. The Program in Epidemiology continued several research projects focusing on the prevention of cancer and chronic diseases. The Center for Health Services Research also continued as a successful research arm of the School and the Health Sciences.

Outreach Programs: Short courses sponsored by the Occupational Safety and Health Resource Center continued to be held for practicing professionals in the midwestern states. The Independent Study Programs in Hospital and Health Care Administration and Health Education enrolled administrators, trustees, and directors of education in several states and Canada. Short courses for health professionals on heart attack prevention were presented by the Program in Physiological Hygiene; seminars on child abuse and neglect were given by the Program in Maternal and Child Health. The Program in Public Health Nursing conducted adult nurse practitioner and pediatric nurse associate certificate programs in outstate areas. Several television courses presented for the community originated from Interdisciplinary Studies and Associated Programs.

Special Events: The School was granted continued accreditation with commendation by the Council on Education for Public Health after a site visit in February. A joint review was done by the Accrediting Commission on Education for Health Services Administration, which granted continued accreditation to the Program in Hospital and Health Care Administration. The Graduate School Programs in Public Health underwent a review in May. The Program in Epidemiology continued as host of the 15th Graduate Summer Session sponsored by the American Public Health Association, the Association of Teachers of Preventive Medicine, and the American College of Preventive Medicine. The Epidemiology program also hosted the annual meeting of the Society of Epidemiologic Research which attracted over 750 professionals. An alumnus of the School, Dr. E. Hyock Kwon from Korea, was presented with a University of Minnesota Outstanding Achievement Award at commencement ceremonies in 1979.

New Physical Facilities: Discussions were begun regarding the acquisition of additional space for new research projects in the School. Although on-campus space was preferred, such space had not become available. Additional investigation was being conducted to acquire space off campus.

Enrollment Statistics: The School continued to gain in total enrollment. As a result of capitation funding, 174 new degree seeking students needed to be admitted. An actual 197 students in that category were admitted, with a total of 509 students. The following statistics show the enrollment of adult special students and candidates for the degrees of M.P.H., M.H.A., M.S., and Ph.D.

	<u>Fall 1978</u>	<u>Fall 1979</u>
Female	284	300
Male	<u>212</u>	<u>209</u>
	496	509

A great majority of the students (76%) continued to be from Minnesota.

Summary: The School continues to place nearly 80% of its graduates into nonprofit public service public health positions. The School manages to do this while receiving only 23 percent of its budget from state resources. The other 77 percent is derived from a multitude of federal and private foundation sources, which support the many specialized academic and research programs in the School.

# UNIVERSITY OF MINNESOTA HOSPITALS & CLINICS

John H. Westerman, General Director

## Personnel

1. Ms. Fannie Kakela, Mountain Iron, and Mr. Leonard Bienias, Minneapolis, were appointed to the Board of Governors. Mr. David Domaas replaced Mr. Daniel Notto as the Health Sciences student representative to the Board. Mr. Edward LaFave resigned.
2. Dr. Paul Quie was elected Chief-of-Staff, replacing Dr. Paul Winchell.
3. Ms. Donna Ahlgren, Ms. Johnelle Foley, and Mr. Greg Hart were named associate directors of the Hospitals & Clinics. Ms. Christine Mayer was named assistant attorney. Mr. Ron Werft was named assistant to the director. Mr. Irving Sawyers and Mr. Kevin Moore served administrative fellowships.
4. Mr. Richard Bailey replaced Mr. Phil Larson as head of Linen/Laundry; Mr. John Dennis replaced Mr. Al Dees as head of Medical Records; and Mr. Ron Klemz was named head of Risk Management.

## Policy

1. The University Hospitals Renewal Project consumed much of the time and energy of administrators, department heads, and other managers as plans were refined. The Renewal Project, a combination of new construction (by 1985) and remodeling (by 1987), will result in a new inpatient care facility and modernized support areas. At fiscal year-end, a Certificate of Need for this badly needed project was prepared for the Metropolitan Health Board. (The application was later approved.) UMHC staff met with health care providers from throughout the state prior to the review process. Renewal Project staff also began planning for the approval necessary from the 1981 state legislature to finance the project with state general obligation bonds.
2. The Joint Commission on the Accreditation of Hospitals (JCAH) awarded University Hospitals and Clinics (UMHC) a two-year accreditation. In recent years UMHC has been granted only one-year accreditations due to facility inadequacies. However, extensive remodeling brought UMHC into compliance with Life Safety Code requirements, and JCAH granted the full accreditation, commending UMHC for the quality of its services.
3. UMHC participated in the Minnesota Association of Public Teaching Hospitals, along with St. Paul Ramsey Medical Center, Hennepin County Medical Center, and the Veterans' Administration Hospital. At the end of the fiscal year, a search for an executive director was underway. MAPTH's purpose is to explore sharing arrangements that could reduce costs and improve patient care quality.
4. UMHC was instrumental in establishing the Consortium for the Study of University Hospitals, a nation-wide group formed to study issues of like concerns.



5. The UMHC Quality Assurance Program was revised, providing an innovative approach to monitoring the quality of patient services.
6. The name of the Masonic Memorial Hospital was changed to the Masonic Cancer Center; the name of the Variety Club Heart Hospital was changed to the Variety Club Heart Center.
7. A Risk Management Department was formed to coordinate patient and staff safety efforts. The former Protection Services Department was incorporated into Risk Management.
8. A Behavioral Health Clinic opened to help patients modify or eliminate behavior detrimental to their health.
9. A Bone Marrow Transplant Center was opened on nursing station 41. The center is one of just a few in the country performing the procedure.
10. A Pediatric Special Care Unit, a 10-bed intensive care unit for children opened on nursing station 40.

#### Research and Outreach

1. UMHC continued its successful outreach endeavors: the Community University Health Care Clinic; the Home Health Care Program; the Northwest Hennepin Project; and the Community Services Program.
2. The Rural Coop Program, a 13-member group of rural hospitals that receives consulting services from UMHC, was extremely successful; nine additional hospitals applied for membership.

#### Special Events

1. The Clinical Research Center celebrated its tenth anniversary. Congressman Martin Sabo was among the dignitaries present.
2. The Board of Governors and the University's Department of Laboratory Medicine co-sponsored the First National Conference on Clinical Decision Making and the Utilization of Laboratory Services.

#### Statistics

Admissions.....	21,303
Outpatient Visits.....	200,792
Average Length of Stay.....	9.5 days
Average Daily Census.....	557
Percent Occupancy.....	75.5%

#### Summary

A strategic options study resulted in the development of action plans in the three areas of: 1) competitive marketing, 2) fiscal strategies, and 3) organizational configurations. UMHC's progress and growth lies chiefly in the combination of these plans with the Renewal Project.

## DIVISIONS OF INSTITUTIONAL RELATIONS

Stanley B. Kegler, Vice President

Major Personnel Changes - None

Policy Changes - None

Organization - No major changes. No sub-units.

Outreach Programs, Special Events - The office continued sponsorship of special programs to acquaint legislators with University research and researchers. Throughout the years of relatively steady enrollment growth, providing funds to meet that growth was the primary concern of state legislatures, and, aside from specific research and service projects of immediate concern to state and national government, the general area of research did not command much attention. These events were designed to explain the role of research within a major university.

New Facilities - None

Enrollment - Not applicable.

Summary - Throughout 1979-80, the primary efforts of this office were directed toward state and federal governmental relations. The 1980 session of the Minnesota Legislature concentrated on capital improvements appropriations. For the 1979-80 biennium, the University had requested \$103 million for capital improvements. The 1979 Legislature, attempting to accelerate some projects in order to avoid cost increases, appropriated \$51 million in the 1979 session. Going into the 1980 session, the University added \$33 million in requests to the remaining \$52 million, bringing the total request to the 1980 Legislature to \$85 million. The Governor recommended \$33 million of the requests. The House and Senate approved \$57.5 million and \$63.5 million, respectively, and a conference committee approved \$60.2 million for University projects. In the closing days of the legislative session, however, the total bonding bill for the state was judged to be too high, and the conference bill was not approved. All capital improvements proposals were deferred to the 1981 and 1982 sessions.

DIVISIONS OF STUDENT AFFAIRS

Frank Wilderson, Jr., Vice President

No report submitted.

## BOYNTON HEALTH SERVICE

Paul Rupprecht, Director

The Boynton Health Service continues to serve as the primary source of medical care for a large majority of day-time students and many members of the faculty and staff. There were 100,021 visits or 2.68 visits per student for the 1979-80 reporting year. Of the 100,021 patient visits, 50,701 were for general medical care and 49,320 were for care by specialists.

In general the health of the students on campus was good with the notable exception of a rubeola (red measles) outbreak in which 20 University students contracted the disease one of whom died from measles encephalitis. Because of the large number susceptible in our population, the Health Service offered a mass immunization program in which 4553 injections were given.

In the general medical clinic, the appointment system was expanded to accommodate 90% of the patients. The physician staff full-time equivalent was reduced by 18%, while its assisting nursing staff was expanded. The clinic area was remodelled to allow each physician the use of two clinical rooms, and a light system was installed for better intra-staff communication.

During the year a task force was established on staffing and planning implementation. It functioned well with a view to propose steps for a more effective and efficient operation within our increasingly hostile environment created by the decreasing size of our clientele, higher inflation, more regulations, and intensified competition.

In Environmental Health and Safety, the directorship vacancy was filled with Donald Vesley, Ph.D., Professor of Environmental Health in the School of Public Health. Another major development in this Department was the receipt of a construction grant from the National Cancer Institute for a central toxic materials handling facility to be constructed in the Boynton Health Service building.

To continue with our prepaid comprehensive services, a 13% fee increase for 1980-81 was needed. In spite of students' support for such an increase, an 8.8% ceiling was imposed. This limitation required that after-hour services as a prepaid benefit be dropped.

The experience of the student Blue Cross-Blue Shield health plan was extremely bad with heavy losses sustained for both dependents and subscribers. Consequently, Blue Cross-Blue Shield could offer a plan only for subscribers and that with severely limited benefits. Since there were no other bidders, a plan calling for \$90.00 a day coverage for room and board for 31 days plus an \$800 maximum allowance for ancillary costs per hospital stay was accepted.

## HOUSING OFFICE

Neil Bakkenist, Director

### Personnel

Neil Bakkenist, formerly Director of the University of Minnesota Special Counseling Office, was named Housing Director. Margaret Cambray, who was Coordinator of Food Services, became Manager Residence Hall Food Services with a line relationship to hall food service managers.

### Organization

- 1) With the naming of a new Director, the reorganization of Housing was implemented. We now have three division heads: Residence Halls, Off Campus and Campus Rentals, supervised by the Director with the Residence Hall division head given the general responsibilities of Associate Director of Housing (with the title and salary appropriate considerations).
- 2) Dr. Betty Roe went on sabbatical leave for one year beginning March 15, 1980. Her major position responsibilities were given to Ms. Corinne Youngdale and Ms. Betty Hackett already on staff. Appropriate titles and salary augmentations took place.

### Special Events

A major ACUHO presentation on residence hall rehabilitation (Pioneer Hall) was given by Joe Matusovic and Peter Hackett of our staff.

### Physical Facilities

- 1) The Bailey Hall addition was completed.
- 2) The Pioneer rehabilitation was completed.
- 3) The Centennial Hall Food Service renovation project was approved for funding with design in 1980-81 and construction in Spring-Summer, 1981. This will be a 1.7 million dollar project.

### Summary

An eight-month gap between the announcement of the former director's leaving and the naming of a new director was a strain on all levels of staff. This gap needs to be narrowed in the future.

## OFFICE FOR MINORITY AND SPECIAL STUDENT AFFAIRS

Baldave Singh, Acting Coordinator

Personal: Dr. Phillip Carey resigned in October 1979 and Dr. Baldave Singh was appointed to the position of Acting Coordinator Effective November 1, 1979.

Organization: With the formation of the Black and Asian Learning Resource Centers in November 1979, the organizational structuring of the Office for Minority and Special Student Affairs was completed. The present organization of the program includes the OMSSA Central Office which relocated to 12 Morrill Hall, the American Indian Learning Resource Center and Student Cultural Center located in 125 Fraser Hall and 104 Jones Hall respectively, the Asian American/Pacific Islander Learning Resource Center plus Student Cultural Center located in 302 Eddy Hall and 30 Ford Hall respectively, the Chicano/Latino Learning Resource Center and Chicano/Latino Student Cultural Center housed respectively in 332 Walter Library and 200 Dome City, and the Black Learning Resource Center and Black Student Cultural Center located in 323 Walter Library and 301 Dome City respectively. Since the relocation of the Chicano/Latino and Black Learning Resource Centers to Walter Library, all Learning Resource Centers have had adequate space for present needs.

Research and Outreach Programs: Systematic efforts have been undertaken to track the progress of recruitment, retention, and graduation of minority and OMSSA students. Several new computer generated reports have been produced and additional reports are anticipated from the Data Retrieval Center, Office of Admissions and Records to provide a better grasp of student and progress needs and performance. OMSSA reports included the Evaluation of the 1979 Summer Institute, OMSSA Planning Document, and the OMSSA Annual Report, 1979-80.

Each of the four Learning Resource Centers participated in several outreach workshops, these included Discovery Day, a University-wide effort to recruit minority students, workshops for parents, community leaders, high school students, and college students on financial aid, application to the University, retention, curriculum options, and career choices.

OMSSA co-sponsored the 2nd Minority Student Personnel Workshop on December 6, 1979 on the St. Paul Campus. The keynote speaker was Dr. Herman Lujan, Vice President for Minority Student Affairs, University of Washington at Seattle. Each Learning Resource Center and Student Cultural Center sponsored a variety of events in commemoration of their respective heritage weeks.

Baldave Singh co-authored "Impact: A Summer Enrichment Program for Minority/Disadvantaged Undergraduates at the University of Minnesota," in Black Students in Higher Education, Gail E. Thomas (ed), (Westport, Conn: Greenwood Press 1981), and the article "Race, Ethnicity, and Class: Clarifying Relationships or Continuous Muddling-Through," Journal of Ethnic Studies (forthcoming) by Dr. Singh was accepted for publication.

Enrollment and Retention: Registration statistics for Fall Quarter, 1980 show 1011 students on the OMSSA program. Of this total, 484 were men and 527 were women. The racial breakdown of the population was as follows: 73 American Indian Students (27 men, 46 women), 292 Asian American/Pacific Students (181 men, 111 women), 321 Blacks (122 men, 199 women), 111 Chicano/Latino Students (65 men, 46 women), 104 whites (34 men, 74 women), and 110 with no racial information (55 men, 55 women).

These statistics indicate an increase of 9.1% over the same period for the previous year. A recent study by Roberta Armstrong and Judith Howe showed that freshman OMSSA students have continued on into their second year at almost the same rate (71%) as other non-OMSSA freshman students (72%). Six years ago, a similar study found only 50% of the OMSSA disadvantaged students had continued into their second year while 77% of the non-disadvantaged students did. The study by Armstrong and Howe showed that the comparison of credits attempted, credits completed, and grade point averages were very similar, if not identical for both groups in 1979.

Summary: Much has been achieved during the past fiscal year and OMSSA has completed the inauguration of all units of the program. Relations between OMSSA, collegiate units, INROADS, Inc. (a privately funded retention and recruitment program for minority business and technology students) and the various minority communities have continued to mature. The widespread efforts at improving retention appear to be paying off.

STUDENT ACTIVITIES OFFICE

Carl Nelson, Coordinator

No report submitted.



## STUDENT DEVELOPMENT CENTERS

Theda Hagenah, Coordinator

The offices comprising the Student Development Centers include the International Student Adviser's Office, the Minnesota Women's Center, the Special Counseling Office, and the Student Counseling Bureau.

During the year, a mission and planning statement for the Student Development Centers was developed.

### INTERNATIONAL STUDENT ADVISER'S OFFICE (Josef A. Mestenhauser, Director).

Personnel. (1) Former director Forrest Moore retired. Josef Mestenhauser was named director and Michael Paige became the assistant director. (2) Paul Pedersen resigned in order to continue his cross-cultural counseling studies in Hawaii. (3) John Northrop began a leave of absence to teach at the Iona School, Jamaica, West Indies.

Policy. The crisis in relations between Iran and the United States led to various changes in immigration regulations for Iranian students, requiring much time and attention on issues relating to Iranian students.

Research and Outreach Programs. (1) A one-quarter pilot training program for international student assistants was carried out, with a grant from the National Association for Foreign Student Affairs. (2) Under an Office of Education grant, teams of international students visited four Minnesota communities to demonstrate how they could serve as learning resources in elementary and secondary schools. (3) Together with Student Life Studies, the office conducted a study of American student attitudes toward the international students and international education. (4) The staff was actively involved in the growing China exchange program.

Special Events. (1) The assistant director was planning chairperson for the annual conference of the National Association of Foreign Student Advisers. (2) The director conducted a one-day seminar at the annual conference of the Society for Intercultural Education, Training, and Research, and also directed a foreign teaching assistant training workshop at Texas Tech University. (3) Other staff members conducted workshops at the University of Kentucky and Wellesley College. (4) Several media presentations were made concerning the Iranian student situation.

Enrollment Statistics. Total foreign student/scholar enrollment rose from 2,602 in 1978-79 to 2,803 in 1979-80.

Summary. The office continued its cooperation on exchange programs, English as a Second Language, and orientation. The Iran crisis was the most important external event affecting the work of the year.

### MINNESOTA WOMEN'S CENTER (Anne Thorsen Truax, Director).

Organization. The structure of the center changed from a director-assistant director hierarchy to a director as coordinator of half-time graduate student positions.

Research and Outreach Programs. The National Science Foundation Women in Science Program granted funds for a 21-month Women's Network in Science and Technology.

SPECIAL COUNSELING OFFICE (Nicholas K. Barbatsis, Director).

Personnel. In October 1979, Nicholas K. Barbatsis became director.

Policy. The President's Student Behavior Review Panel, an all-campus appellate body, was established, with the director of the Student Counseling Office serving as secretary. The office prepared a set of procedures for handling appeals to this panel, as well as revising procedures for handling complaints and appeals within the Campus Committee on Student Behavior.

Consultation. Included among several hundred consultations were: (1) training sessions for the Student Advocate Service staff and for staff members in the residence halls, and (2) discussions of student problem behavior with 15 collegiate units, including one of the coordinate campuses.

Summary. Problems and needs evident in previous years continued to occupy the staff, including study and revision of hearing procedures, provision of due process rights, and consistency of procedure with regents' guidelines.

STUDENT COUNSELING BUREAU (Theda Hagenah, Director).

Organization. Improvements were made in services for students with disabilities during 1979-80, with the addition of specialists in learning disabilities and hearing impairment and the provision of sign-language translators for hearing impaired students.

Research. A major effort, the fourth revision of the Strong-Campbell Interest Inventory, was completed by the Center for Interest Measurement Research with publication scheduled for 1981.

Summary. A total of 2,542 clients were seen in 9,746 individual counseling interviews and 1,995 group contacts. Although clients frequently have multiple areas of concern, 38 percent of the 1979-80 Student Counseling Bureau clients indicated prior to their first interview that they were primarily interested in career planning services, 32 percent in personal assistance, and 30 percent in academic skills improvement. In addition, Student Counseling Bureau staff led 20 external or cosponsored groups with 1,574 group contacts, and generated 335 graduate student credit hours and more than 3,000 undergraduate credit hours through formal course offerings.

The counseling resource centers (Campus Assistance, Occupational Information Library, Reading and Study Skills Laboratory, etc.) and the Digital Information Access Line (DIAL) service attracted approximately 25,000 recorded visits and requests for tapes and responded to 19,304 inquiries.

Seventy-seven national testing programs operated by 18 agencies were offered through the Student Counseling Bureau Psychometric Center in addition to numerous individually arranged test administrations. In all, 41,953 tests were administered to 22,614 persons by the center, and the Technical Division processed and scored nearly half a million answer sheets.

## STUDENT SUPPORT SERVICES

James B. Preus, Coordinator

POLICY. The External Design Report for the new registration system was completed and conversion to the new student data base (a combination of the Active Student File and the Student Master File) was on schedule for October 1980 implementation.

The grade point average appeared on the transcript for the first time, and the production of year-end transcripts was greatly improved through the use of the laser printing technique. In addition, an improved transcript mailing system resulted in a reduction of mail processing time and postage savings.

College relations staff began editing bulletin copy as well as advising college office coordinators in planning. Also, a general bulletin supplement was produced to replace selected mailings of the General Information Bulletin.

Support activities in the form of data input and word processing were expanded to include several new applications: The addition of an Optical Recognition Scanner (OCR) enabled each unit to increase its typewriter productivity, development and implementation of keybatch data entry systems to facilitate Financial Aids' loan and grant application processing, development of a single prospective student computer file, and the use of word processing equipment to produce admission letters.

In cooperation with the CLA Adult Special Office, on-line and on-the-spot admissions and registration procedures were established for CLA Adult Special students. In addition, CLA delegated some of its authority to make admissions decisions for students who do not meet automatic admissions standards.

RESEARCH AND OUTREACH. Student Support Services staff served on the Ad Hoc Committee on Merit Based Scholarships. The report of this committee has resulted in the formation of a merit program office which plans to award 25 college sponsored merit awards through the National Merit Scholarship competition.

Prospective Students staff attended the three national college fairs outside Minnesota in an effort to attract students from states that represent a high proportion of the University's current undergraduate non-resident enrollment. Two of the fairs (Chicago and Philadelphia) are not on the schedule for 1980-81 due to lack of funds. The third (Milwaukee), will remain on the schedule, along with all regional fairs in Wisconsin.

A minority student recruiting plan was developed for Twin Cities undergraduate programs. Confusion in the past over the role of the Office of Minority and Special Student Affairs and Admissions in recruiting minority students made planning difficult. In the future, we should experience a more coordinated recruiting effort for the Office of Minority and Special Student Affairs/Martin Luther King Programs.

A two-day conference for students older than average was the first major effort in cooperation with other University offices to reach an increasingly significant population interested in life-long learning and mid-career shifts. Day and Evening programs attracting over 250 non-traditional students emphasized the value of higher education in helping accomplish their goals.

NEW PHYSICAL FACILITIES. The Office of Student Financial Aid moved to 210 Fraser Hall in early September of 1979. The increase in staff size and the new physical space somewhat eased the pressure on our staff due to the substantial growth in the Guaranteed Student Loan Program. Improved training methods about financial aid policies and procedures have been implemented, and the quality and availability of financial aid information has been greatly improved.

SUMMARY. In general, the focus of the year was on keeping current systems functional until the new registration system becomes operational and in maintaining existing levels of service in the face of budget cuts and budget erosion through inflation. Some service improvements were achieved through internal resource reallocation.

APPENDIX

MAJOR AWARDS GIVEN BY THE UNIVERSITY  
July 1, 1979-June 30, 1980

ALUMNI SERVICE AWARD

June 10, 1980--Robert Sheran

HONORARY DEGREES

Oct. 5, 1979--Sigurd Ferdinand Olson, Doctor of Humane Letters

Oct. 8, 1979--Stanislaw Skrowaczewski, Doctor of Musical Arts

OUTSTANDING ACHIEVEMENT AWARDS

July 18, 1979--Caroline M. Frederickson	June 4, 1980--Borghild Dahl
Oct. 26, 1979--Richard C. Jordan	June 10, 1980--Ebenhard Stewart Gandrud
Oct. 26, 1979--William G. Shepherd	June 10, 1980--Edwin Haislet
Oct. 26, 1979--Eugene W. Weber	June 10, 1980--Marshall Houts
May 3, 1980--Aubin Heyndrickx	June 13, 1980--Millard Ruud
May 14, 1980--Sherwood O. Berg	

REGENTS' AWARDS

None awarded in this period.

INDEX

Abraham, Roland .....	36	Education, College of .....	39
Academic Affairs, Divisions of ....	26	Education, College of (UMD) .....	10
Administration and Planning, Divisions of .....	61	Educational Development, Center for	28
Administrative Data Processing ....	66	Emergency Preparedness .....	64
Aerospace Studies .....	28	Equal Opportunity and Affirmative Action, Office of .....	4
Agricultural Experiment Station ...	31	Ervin, John, Jr. ....	59
Agricultural Extension Service ....	32	Facilities Coordinator .....	64
Agriculture, College of .....	28	Fenton, Eleanor S. ....	36
Agriculture, Forestry, and Home Economics, Institute of .....	27	Finance, Divisions of .....	66
Alumni Relations and Development, Office of .....	69	Fine Arts, School of (UMD) .....	12
Alumni Service Awards .....	98	Food Services .....	73
Appendix .....	98	Forestry, College of .....	29
Athletics. SEE Men's Intercollegiate Athletics; Women's Intercollegiate Athletics.		Frederick, Edward C. ....	24
Attorney, University .....	67	French, Lyle .....	75
Auerbach, Carl A. ....	48	Gallery, University .....	28
Awards .....	98	Gardner, William E. ....	39
Bakkenist, Neil .....	90	Gault, N. L. ....	78
Barfield, Vivian .....	63	General College .....	41
Biological Sciences, College of ...	33	Giel, Paul .....	62
Board of Regents. SEE Regents, Board of.		Graduate School .....	43
Bookstores .....	73	Hagenah, Theda .....	94
Boynton Health Service .....	89	Handicapped Student Services .....	89
Brown, Donald P. ....	69	Hasselmo, Nils .....	61
Brown, Norman A. ....	32	Health Sciences, Divisions of .....	75
Business Administration, College and Graduate School of .....	34	Health Service, Boynton .....	89
Business and Economics, School of (UMD) .....	8	Heller, Robert L. ....	6
Business Office. SEE Finance, Divisions of.		Hewitt, Clinton .....	71
Caldecott, Richard S. ....	33	Hinsvark, Inez G. ....	79
Carey, Phillip .....	93	Home Economics, College of .....	30
Carlson, C. L. ....	73	Honorary Degrees .....	98
Carter, Irl E. ....	17	Hospitals and Clinics, University of Minnesota .....	85
Cleveland, Harlan .....	44	Housing Office .....	73, 90
Coffman, Phillip H. ....	12	Hueg, William F., Jr. ....	27
Community Relations and Extension Services (CEE) .....	36	Humphrey Institute of Public Affairs, Hubert H. ....	44
Computer Services, University ....	57	Ibele, Warren .....	43
Concerts and Lectures .....	28	Imholte, John Q. ....	19
Continuing Education and Extension	36	Institutional Relations, Divisions of .....	87
Continuing Education (CEE) .....	36	Instructional Systems (CEE) .....	37
Controller, Office of the .....	68	Intercollegiate Athletics. SEE Men's Intercollegiate Athletics; Women's Intercollegiate Athletics.	
Crookston, University of Minnesota Technical College .....	21	International Programs, Office of ..	28
Dentistry, School of .....	76	Investments and Cash Management ....	66
Development, SEE Alumni Relations & Development, Office of.		Johnson, Clinton T. ....	66
Dodge, Willard K. ....	17	Kegler, Stanley B. ....	87
Duluth, University of Minnesota ...	6	Keller, Kenneth H. ....	26
Dunlop, Robert .....	60	Koffler, Henry .....	28
		LaBree, John W. ....	16
		Law School .....	46

Letters and Science, College of (UMD).....	14	Smith, Eldred .....	58
Liberal Arts, College of .....	48	Smith, Glenn .....	68
Libraries--Twin Cities, University	58	Social Development, School of (UMD)	17
Lilly, David M. ....	34	Staehle, Roger W. ....	52
Lukermann, Fred E. ....	48	Stauffer, Lee D. ....	83
Lupton, Jeanne T. ....	41	Stein, Robert A. ....	46
		Student Activities Office .....	93
Magrath, C. Peter .....	3	Student Affairs, Divisions of .....	88
Management Planning and Information Services .....	66	Student Development Centers .....	94
McFarland, Keith N. ....	30	Student Life Studies .....	89
Measurement Services Center .....	28	Student Support Services .....	96
Medical School .....	78	Stuhler, Barbara J. ....	36
Medicine, School of (UMD) .....	16	Summer Session .....	50
Men's Intercollegiate Athletics, Department of .....	62	Support Services and Operations .....	73
Miller, Harold A. ....	36	Tall, Russell D. ....	5
Military Science .....	28	Tammen, James F. ....	28
Minority and Special Student Affairs, Office for .....	91	Technical Services .....	74
Moore, Wenda W. ....	1	Technology, Institute of .....	52
Morris, University of Minnesota ...	19	Thomas, William C. ....	64
Myers, Allen .....	10	Thompson, Willard L. ....	50
		Transportation .....	74
Naval Science .....	28	Treasurer's Office .....	67
Nelson, Carl .....	93	University Attorney .....	67
Nursing, School of .....	79	University College .....	55
		University Computer Services .....	57
Odegard, Robert J. ....	69	University Gallery .....	28
Oliver, Richard C. ....	76	University Libraries--Twin Cities ...	58
Outstanding Achievement Awards ....	98	University of Minnesota, Duluth .....	6
		University of Minnesota Hospitals and Clinics .....	85
Patents .....	67	University of Minnesota, Morris .....	19
Personnel Department, University ..	64	University of Minnesota Technical College, Crookston .....	21
Pharmacy, College of .....	81	University of Minnesota Technical College, Waseca .....	24
Physical Planning, Office of .....	71	University Personnel Department .....	64
Physical Plant .....	74	University Police Department .....	65
Planning Council .....	64	University Press .....	59
Police Department, University .....	65	University Relations .....	5
Pomeroy, B. S. ....	63	Urban and Regional Affairs .....	28
President, Office of the .....	3		
Press, University .....	59	Verbrugge, Frank .....	57
Preus, James B. ....	96	Verrill, John E. ....	10
Printing Services .....	74	Veterinary Medicine, College of .....	60
Public Affairs, Hubert H. Humphrey Institute of .....	44	Vose, David A. ....	8
Public Health, School of .....	83		
		Waseca, University of Minnesota Technical College .....	24
Rapp, George R., Jr. ....	14	Weaver, Lawrence C. ....	81
Regents, Board of .....	1	Werntz, James H. ....	55
Regents' Awards .....	98	Westerman, John H. ....	85
Research Administration .....	67	Wilderson, Frank, Jr. ....	88
Rupprecht, Paul .....	89	Williams, Lillian H. ....	4
		Wilson, Eugene W. ....	65
Sahlstrom, Stanley D. ....	21	Women's Intercollegiate Athletics, Department of .....	63
Sauer, Richard J. ....	31	Woods, Donald Z. ....	37
Singh, Baldave .....	91		
Skok, Richard A. ....	29		