

UNIVERSITY OF MINNESOTA

ANNUAL RECORD

1978-1979

June 30, 1979

TABLE OF CONTENTS

	page
BOARD OF REGENTS .....	1
OFFICE OF THE PRESIDENT .....	2
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 .....	13
School of Medicine .....	15
School of Social Development .....	17
University of Minnesota, Morris .....	19
University of Minnesota Technical College, Crookston ....	21
University of Minnesota Technical College, Waseca .....	25
DIVISIONS OF ACADEMIC AFFAIRS .....	28
Institute of Agriculture, Forestry, and Home Economics ..	30
College of Agriculture .....	31
College of Forestry .....	32
College of Home Economics .....	34
Agricultural Experiment Station .....	35
Agricultural Extension Service .....	36
College of Biological Sciences .....	37
College of Business Administration .....	38
Continuing Education and Extension .....	40
College of Education .....	43
General College .....	45
Graduate School .....	47
Law School .....	48
College of Liberal Arts .....	49
Summer Session .....	51
Institute of Technology .....	53
University College .....	57
University Computer Services .....	59
University Libraries--Twin Cities .....	60
University Press .....	62
College of Veterinary Medicine .....	63
DIVISIONS OF ADMINISTRATION AND PLANNING .....	64
Department of Men's Intercollegiate Athletics .....	65
Department of Women's Intercollegiate Athletics .....	66
University Personnel Department .....	67
University Police Department .....	68

DIVISIONS OF FINANCE .....	69
Controller's Office.....	71
Development and Alumni Relations .....	72
Office of Physical Planning .....	73
Support Services and Operations .....	75
DIVISIONS OF HEALTH SCIENCES .....	77
School of Dentistry .....	78
Medical School .....	80
School of Nursing .....	81
College of Pharmacy .....	83
School of Public Health .....	85
University of Minnesota Hospitals and Clinics .....	87
DIVISIONS OF INSTITUTIONAL RELATIONS .....	88
DIVISIONS OF STUDENT AFFAIRS .....	89
Boynton Health Service .....	91
Housing Office .....	92
Office for Minority and Special Student Affairs .....	93
Student Activities Office .....	95
Student Development Centers .....	96
Student Support Services .....	97
INDEX .....	99

## BOARD OF REGENTS

Wenda W. Moore, Chairman

Charles H. Casey, D.V.M., of West Concord and William B. Dosland of Moorhead were elected to the Board of Regents by the Minnesota Legislature from Congressional Districts One and Seven, respectively. They assumed office on April 6, 1979, and succeed L.J. Lee of Bagley and David C. Utz, M.D., of Rochester.

Lauris Krenik of Madison Lake and Mary Schertler of St. Paul, from the Second and Fourth Congressional Districts respectively, were reelected by the Legislature to six-year terms.

Officers of the Board elected in June 1979 for a two-year period include Wenda W. Moore, chairman; Robert Latz, vice chairman; Duane A. Wilson, secretary; and Clinton Johnson, treasurer.

An evaluation of the Office of the President and the Board of Regents was completed in December 1979. The evaluation was conducted with the assistance of a consultant and included evaluations from students, faculty, and external groups and individuals.

The Board established the Hubert H. Humphrey Institute of Public Affairs Advisory Committee, an external committee advisory to the Board of Regents, to assist in the development of the Hubert H. Humphrey Institute of Public Affairs.

OFFICE OF THE PRESIDENT

C. Peter Magrath, President

Dr. Jeanne T. Lupton, Associate to the President, was named Dean of the General College in March, 1979. Dr. Carol Pazandak, formerly Assistant Dean and Professor, Student Personnel of the College of Liberal Arts, was named Assistant to the President on July 1, 1979. Vice President for Academic Affairs Henry Koffler resigned to assume the position of Chancellor of the University of Massachusetts, Amherst, and Associate Vice President Al Linck was named Acting Vice President.

Many of the activities that preoccupied the President, the Senior Officers, and most of the University community in 1978-79 related to financial and long-range planning matters. Two efforts along these lines were especially noteworthy. First, the President, through the Planning Council chaired by Vice President Stein, completed the design for a long-range planning process that called for each college and major unit (some 40 in total) to submit long-range unit plans for the 1980s. These plans were submitted to the President by early Summer, 1979, and later that Fall were reviewed in detail in individual sessions involving the President, some of the senior officers, and the representatives of each unit. As of Spring, 1980, the process of reviewing and revising the unit as well as the institutional plans had yet to be completed.

Concomitant with the long-range planning effort was the work of the Brown Committee chaired by Vice President Don Brown. This group, of approximately six individuals from across the system, was called upon to design a short-range reallocation mechanism that would serve as an integral part of the long-range planning process and that would focus upon the 1980-81 and 1981-82 budget years. It completed its work between the Fall of 1978

and the Spring of 1979 and was subsequently reviewed and approved by the Senate and the Regents. The report served as the basis of another series of individual conferences between the "Budget Executive" composed of Vice Presidents French and Brown and chaired by Acting Vice President Linck, and of the collegiate and unit representatives. Out of these activities came recommendations for the 1980-81 budget, reallocation in the 1981-82 budget, a 1981-83 Biennial Request Plan, and a Six-Year Capital Request Plan required by the State Department of Finance.

The President was also deeply occupied with a number of other time-consuming matters ranging from the Hubert H. Humphrey Institute to University Outreach, from individual and unit equity salary adjustments to issues of faculty consultation as outlined in a report from the Watson Committee. Student concerns were raised over the conduct of open meetings across the University, teaching evaluation, and most notably over the June 4, 1979 issue of the Minnesota Daily.

OFFICE OF EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION

Lillian H. Williams, Director and Equal Opportunity Officer

During the period July 1, 1978 to June 30, 1979, the Equal Opportunity and Affirmative Action Office (EO & AA) coordinated the University's response to a general compliance review by the Office of Federal Contract Compliance Programs (OFCCP) of the Department of Labor (DOL). This review, which was completed later in the year, eventually consumed more than thirty-three weeks of staff time. A result of this process was the complete rewriting-- in eight volumes--of the University's Affirmative Action Plan (AAP), so as to have it conform to OFCCP guidelines. This rewriting included the restructuring of seven EEO-6 civil service job groupings into 85 new categories, and the resetting of civil service employment goals.

These OFCCP guidelines, it should be noted, differ greatly from those of the Office of Civil Rights (OCR) of the Department of Health, Education and Welfare (HEW), which had completed its own review of the University only months before the start of FY 79. As part of the agreement reached with HEW, the University was to establish and implement a sophisticated computerized system for monitoring its Affirmative Action Program. Work on this system, in conjunction with other University offices, proceeded in FY 1979, albeit more slowly than had been anticipated because of factors beyond the control of EO & AA. Still, the project's feasibility study was completed, and funding commitments were made by Central Administration.

The Office of Equal Opportunity and Affirmative Action investigated, or was otherwise involved in, approximately 100 complaints of discrimination in FY 1979.

In terms of the University's academic and civil service, non-student workforce, and in gross terms, the following changes occurred between October 1978 and October 1979: more than three-quarters of the increase in these categories was made up by females; the number of Blacks decreased slightly; the number of Asians increased slightly; and the number of Hispanics and American Indians remained exactly or roughly the same, respectively. Overall, minority representation dropped from 6.4 to 6.3 percent of the total non-student workforce.

## UNIVERSITY RELATIONS

Russell D. Tall, Director

The News Service reorganized its beat system during the year. Historically, news service reporters have covered beats drawn along collegiate lines. Under the new system, beats were organized along subject matter lines so that a writer would cover all University departments touching on a particular subject, regardless of collegiate boundaries. The hometown writing position was changed into a medical writing position. A graduate student was hired to write medical copy on assignment from the health sciences writer. Bob Lee acted as head of the News Service while Elizabeth Petrangelo was on leave, and Lynn Marasco acted as News Service editor.

Several community organizations continued to receive professional assistance from the community relations section. These were STAGES (Seniors Train for Advisory, Growth & Educational Services), TCOIC (Twin Cities Opportunities Industrialization Center, Minneapolis Urban League), including its membership drive, United Way of Minneapolis Area, Ramsey County Lung Association, African American Cultural Center, and the Urban Concerns Workshops, Inc. The assistant director served on a number of advisory boards, boards of directors and trustees, and committees of these organizations.

A viewbook for prospective students, entitled 20/20+10, was published in cooperation with Admissions and Records; because separate publications had already been started in the two units, they were combined in a two-books-in-one format. To reduce publishing costs and editing time, the Biennial Report was greatly condensed, with page limits assigned to reporting units. Only two copies were produced, one for University Relations and one for Archives. The plan was to collect information on an annual basis beginning in 1979-80 and to publish it under the title Annual Record. As a result of budget cuts, the decision was made to discontinue two publications: the Twin Cities Campus Calendar and As Others See Us. Each appeared for the last time in 1978-79. In an effort to improve efficiency in a time of financial retrenchment, the section increased its cooperation with other sections of the department, especially the News Service and Publications Planning.

Publications Planning projects included editing and production of the University Style Manual, editing and production of the first edition of the viewbook (20/20+10), a 24-page book for the Humphrey Institute on Public Affairs, and an informational book on the Underground Space Center. Staff members continued to serve University units needing assistance in coordinating editorial, design and production aspects of their publications, and editing and producing the University bulletins.

Special Events planned the Bahamian Ambassador's visit; President's breakfast honoring Mychal Thompson; dedications of the Paul F. Dwan Cardiovascular Research Center, Earle Brown Continuing Education Center, Grey Freshwater Biological Institute, and the Phillips-Wangensteen building. The Japanese Foreign Minister received the Regents' Distinguished International Service Award, and the Russian Ambassador visited during the Russian Art Exhibition opening. This section also coordinated commencements, the State Fair exhibit, legislative spouse luncheon, retirement ceremony, football luncheons, homecoming activities and groundbreaking ceremonies for the St. Paul Campus Student Center and Learning Resources Center.



UNIVERSITY OF MINNESOTA, DULUTH

Robert L. Heller, Provost

Personnel. Dr. Paul E. Junk named Vice Provost for Academic Administration, May 11, 1979; Gregory R. Fox named Director, Duluth Center of University Continuing Education and Extension and Assistant Vice Provost for Academic Administration, July 11, 1978; Dr. Robert E. Carter, first dean of UMD School of Medicine, retired June 30, 1978; Provost Robert L. Heller named national president, American Geological Institute, October 30, 1978; Dr. Cecil H. Meyers, 58, professor of economics, died January 1, 1979.

Policy--Curriculum Modification. UMD Campus Assembly approved first early-in/early-out academic calendar for 1978-79, 1979-80 school years on an experimental basis.

UMD Assembly approved (October 28, 1978) establishment of an overseas study program, the first group of students and faculty to go to England for one year.

Research and Outreach. UMD Citizen Study, a two-year project of UMD's University Relations Committee, revealed May 1, 1979, showing generally high favor of UMD and its programs by area citizens.

New Physical Facilities. \$7.5-million School of Medicine building occupied March, 1979; \$1.2-million Junction Avenue residence halls (75 two-unit buildings) occupied fall, 1979; \$4.8-million coal gasification addition to heating plant began on-line testing, fall, 1979; \$400,000 Kirby Student Center renovation project completed fall, 1979.

Regents accepted (October 12, 1978) new UMD Long Range Plan detailing future physical needs of campus.

Major Gifts. \$1-million gift to Tweed Museum of Art via will of late Dr. Milton Sax, Duluth physician; Northern Bible Society gave 850 bibles and other theological publications, some from 14th Century, for UMD Library; President Magrath and Regents approved use of Glensheen, previous gift to University, as museum-tour facility on three-year trial basis (February, 1979).

Special Events. First Thea Johnson Lecture Series talk given November 2, 1978, by Dr. Wayne C. Booth, professor of English, University of Chicago, "Rhetoric as Trickery and as Truth: A Scandal in American Education"; Dr. Allen Gowans, professor of history, University of Victoria, British Columbia, March 16, 1979, "The Collapse of Modern Architecture: Its Causes and Its Cures"; Dr. Willard Gaylin, professor of psychiatry, Columbia University, April 27, 1979, "Surviving the Biological Revolution."

Second year of Sunday Evening with a Professor Series with UMD professors Charles Matsch, John LaBree and Richard Graves and Twin Cities campus professor Harold Allen as speakers.

Summary. 1978-79 was a good year for UMD. Not only were we able to complete several new buildings, but we presented to the Board of Regents and Central Administration a new UMD Long Range Report detailing future needs of campus.

Beginning the Thea Johnson Lecture Series and continuing the Sunday Evening with a Professor Series were important activities in UMD's effort to serve both campus and community.

In a curricular sense, we are very excited about our study-abroad program in England as we seek new ways to serve our students. The new early-in/early-out calendar also is intended to meet student needs and further cooperation between UMD, the College of St. Scholastica, University of Wisconsin-Superior and other campuses of Lake Superior Association of Colleges and Universities.

UNIVERSITY OF MINNESOTA, DULUTH  
SCHOOL OF BUSINESS AND ECONOMICS

David A. Vose, Dean and Associate Professor of Economics

Personnel: David A. Vose, Acting Dean from September 1977, was appointed Dean effective July 1, 1978. John W. Newstrom, Associate Professor of Management and Industrial Relations, was appointed Head, Department of Business Administration. Jerrold M. Peterson, Associate Professor of Economics, was appointed Acting Director, Bureau of Business and Economic Research in January 1979 following the death of Cecil Meyers, Professor of Economics and Director, Bureau of Business and Economic Research. Marjorie L. Austin, formerly Director of Admissions at UMD, was appointed Assistant Dean for Students Affairs in October 1978.

Policy: On November 16, 1978 the School of Business and Economics Senate adopted the School of Business and Economics Faculty Evaluation Policy establishing a formal written policy governing faculty appointments and evaluation of faculty performance for annual salary adjustments and promotion and tenure.

In January 1979 the School of Business and Economics Senate adopted modified Admission, Academic Standing, Residency, and Admission to Degree Candidacy Requirements. In May the Senate adopted in principal a revised statement of mission and purpose for the Bureau of Business and Economic Research. The Senate also adopted a resolution establishing the Center for Professional Development as a unit within the School with a specific mission of developing and coordinating all credit and noncredit continuing education programs of the School.

The Secretarial Science program for the Associate of Arts Degree offered through the College of Letters and Science was transferred to the School of Business and Economics officially redesignated the Associate of Office Administration degree.

Organization: The Department of Business, Office and Economic Education was formally redesignated the Department of Business and Office Education in recognition of transferal of responsibility for Economic Education programs to the Department of Economics. The Center for Professional Development was established.

Physical Facilities: Planning for the new School of Business and Economics Building during the year. The request for construction funds was considered and approved during the 1979 Legislative Session. Late in the spring Architectural Resources, Inc., of Duluth, was selected to design the building with construction to begin in the Fall 1979.

SCHOOL OF BUSINESS AND ECONOMICS

Enrollment Report, Fall 1978

Department	FALL 1977		FALL 1978		Percentage Change	
	Enroll	SCH	Enroll	SCH	Enroll	SCH
Accounting	626	2,209	763	2,568	+21.8%	+16.3%
Business Administration	896	3,020	1,078	3,640	+20.3%	+20.5%
Business & Office Education	210	500	219	527	+4.2%	+5.4%
Economics	1,080	4,442	1,182	4,886	+9.4%	+10.0%
Total	2,812	10,171	3,242	11,621	+15.3%	+14.3%

Office of the Dean, School of  
Business and Economics  
September 7, 1978

UNIVERSITY OF MINNESOTA, DULUTH

COLLEGE OF EDUCATION

Allen Myers, Dean

Academic Policy

The elimination of one of the two programs in nursery school took place as a result of a task force recommendation. The new program, with two options available, was placed under the administration of the Elementary Education Department. The task force studying the merger of the departments of Elementary and Secondary Education continued deliberations. Student matters were housed in the new Office of Student Personnel Services - College of Education, with Dr. Dennis Anderson in charge. The first meeting of the College of Education Senate was held.

Organization

The only change in organization was that Students' College was assigned to the College of Education for administration and evaluation enhancement.

Programs

The Adult Basic Education Program was discontinued. An Industrial Hygiene Option was added to the Master of Industrial Safety Degree Program in 1979. Three major programs were reviewed by task forces to bring them in compliance with new state requirements: Licensure in K-12 instead of 7-12 in Art, Music and Physical Education. A new program in Emotional Disturbance was initiated by the Department of Special Education. The Master's degree program in speech pathology was accredited by the Education and Training Board of the American Board of Examiners in Speech Pathology and Audiology. A new option in Community Health Education was instituted under the present B.A.S. degree in Health Education. A new sequence of courses was designed to prepare students to take the State Examinations for Emergency Medical Technicians (EMT) administered by the State Department of Health Education. An adapted physical education sequence of courses was developed cooperatively by the Department of Special Education and the Department of Health and Physical Education and Recreation. This unique program is designed to meet pending State Board of Teaching licensure requirements in this unique field.

Curriculum

Curricular revisions were initiated in educational audiology and education of the hearing impaired. The Psychology graduate program curriculum was being revised. The Special Education Department was responding to needs in pre-school handicapped and profound populations.

## Research

Three faculty members in the Department of Home Economics are involved in a national research effort to evaluate what students learn in high school home economics classes.

## Outreach Activities

An expanded summer session program was taught in two Iron Range cities. The Psychology Department continued to be heavily involved in the Indian Chemical Dependency Counselor Training Project with the Minnesota Chippewa Tribe.

## Special Events

Secondary Education had a visiting Hill Professor, Nathaniel G. Pallone, Dean of the University College at Rutgers, The State University at New Brunswick, New Jersey. A monthly College newsletter was published for the first time during this year.

## Physical Facilities

Facilities have remained much the same. The Department of Communicative Disorders remodeled a specialized classroom, graduate assistant office, and seminar/conference room. The Health and Physical Education and Recreation Department was in the process of developing an exercise physiology stress testing laboratory.

## Enrollment Statistics

The enrollment head-count shows a modest decline in head-count from the fall of 1977 to the fall of 1978. However, statistics on credit hours taught show an increase. We are re-evaluating our procedures, a problem which exists campus wide, to obtain more accurate data concerning student population in respective campus units.

	<u>Fall 1977</u>	<u>Fall 1978</u>
Men	366	360
Women	<u>658</u>	<u>602</u>
Totals	1,024	962

UNIVERSITY OF MINNESOTA, DULUTH

SCHOOL OF FINE ARTS

Phillip H. Coffman, Dean

Policy - Curriculum Modification

An emphasis in graphic design was added to the major in art for the Bachelor of Fine Arts Degree. An emphasis in choral music K-9 was added to the major in music education for the Bachelor of Music Degree. An emphasis in instrumental jazz was added to the major in music for the Bachelor of Music Degree. An emphasis in art history was added to the major in art for the Bachelor of Fine Arts Degree.

Special Events

Richard Graves, associate professor of theatre, was selected as guest director of the Illusion Theatre in Minneapolis. Leif Brush, associate professor of art, received a major fellowship grant from the Minnesota State Arts Board. Sharon Friedler, assistant professor of theatre, was guest artist at the Walker Art Center. Rudolph Schauer, professor of art, was awarded a life membership in the American Watercolor Society. Thomas Kerrigan, associate professor of art, made a presentation at the World Craft Council in Japan.

Enrollment Statistics

Bachelor of Fine Arts and Bachelor of Music Programs:

Fall, 1977	331 Majors
Fall, 1978	352 Majors

Research and Outreach Programs

The faculty continued in their pursuit of scholarly activities. A number of significant grants and gifts were received. Several hundred exhibitions, recitals, concerts, student shows 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.* No changes at dean's level.

*Policy and Program Changes.*

July 1978 Start of three-year Undergraduate Research Participation Project in Energy and the Environment funded by the NSF CAUSE program

Fall 1978 Plus and minus grading implemented

September 1 - May 31 academic year instituted

Responsibility for astronomy courses assumed by Physics and Geology departments

Department of Speech-Communication became Department of Communication with increased emphasis in the areas of radio, TV, and film

Spring 1979 Collegiate approval of Computer Science B.A. major and minor degree programs

Initiation of planning process, as part of new all-University continuing process

Development of Computer Cartography subfield

*Organizational Changes.*

Fall 1978 A.A. Degree program in Secretarial Science transferred to the School of Business and Economics

Jan. 1979 Dental Hygiene becomes administratively part of CLS

*Research.* Approximately One Million Dollars in external research support in force

*Outreach Programs.*

Hosted Northeast Regional Science Fair, March 19, 1979

Hosted Forensic Festival, January 20, 1979

Outreach French program in Duluth elementary schools

Weekly public lectures at the Marshall W. Alworth planetarium

Community day courses in Fall 1978:

French for Travelers

Biblical Archaeology: The Old Testament

*Special Events.*

Jacques Yvart, workshop and concert "Histoire de la Chanson Francaise"

Jesus Cano-Guiral, visiting professor from Universidad de la Republica, Montevideo, Uruguay, "Islamic Heritage in the West," winter quarter

Visiting Hill professor Nathaniel J. Pallone, Rutgers University, 3 lectures on the theme of "Psychological and Social Services and the Structure of Values"

Visiting Soviet Chemist Nicolai Zefirov of Moscow State University February/March 1979



*Special Events--contd.*

Einstein Centennial Celebration, Spring 1979:

Robert Geroch, Enrico Fermi Institute, University of Chicago,  
"Einstein's General Theory of Relativity: Structure and Implications"

Loyd S. Swenson, Jr., University of Houston,  
"Einstein in Context"

Jeffrey Crelinsten, Universite de Montreal, "Relativity, Einstein, Physicists  
and the Public"

Thomas Banchoff, Brown University, "The Fourth Dimension and Computer-  
Animated Geometry of Relativity"

Linda Wessels, Indiana University, "Who Discovered Einstein's Special  
Theory of Relativity?"

Alberto Coffa, Indiana University, "The Role of Geometry in the Birth of  
Relativity"

Howard Stein, Columbia University, "Newton and Einstein"

Dennis Anderson, College of Saint Scholastica, "Of Space and Time: The  
Era of Einstein"

Ann Anderson, Ralph Anderson, Ann Rodman, Elizabeth Holmes, Patricia  
LaLiberte, Duluth Musicians, "A Musical Tribute to Einstein"

Banesh Hoffman, Queens College, "Albert Einstein: Glimpses of the Man and  
His Work"

Sigma Xi Lectures:

January 22, 1979: J. H. Zumberge, "The Geopolitics of Resource Exploitation  
in Antartica"

May 8, 1979: John Ewing, University of North Carolina at Chapel Hill:  
"Alcoholism: Predisposing and Protective Factors"

November 29, 1978: V. Elving Anderson, University of Minnesota: "Genetic  
Control and Human Values"

Planning for National meeting of the American Mathematical Society and  
Mathematical Association of America to be held at UMD in August 1979

*Books Published.*

*EXCAVATIONS AT NICHORIA*, Volume I, George R. Rapp, Jr., and Stanley  
Aschenbrenner, eds., University of Minnesota Press

*New Physical Facilities.*

None

*Enrollment Statistics.*

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Fall 1978	2169	1885	4054
Fall 1977	2117	1743	3860
Change	+52	+142	+194

## UNIVERSITY OF MINNESOTA, DULUTH

### SCHOOL OF MEDICINE

John W. LaBree, M.D., Dean

#### POLICY

No major administrative policy changes or major academic policy changes were made during the year 1978-79, however, a new program in "alcoholism" was introduced into the medical student curriculum. This program provides the students with a significant experience in dealing with the alcoholic patient in the setting of the treatment program and as an outpatient.

#### ORGANIZATION

A major shift in administrative structure took place during the spring of 1979 when the Health Science Library, which had been a part of the School of Medicine, was transferred to all-University control. As this moved to the University, an educational resources unit was established to provide audiovisual capability and other programmatic opportunities for the School of Medicine.

#### RESEARCH AND OUTREACH PROGRAMS

An expansion of the family practice preceptorship program occurred with the expansion of the School's enrollment from thirty-six to forty-eight students per class. This program is unique in that it provides the medical students with a role model for family practice in the rural setting with the physician preceptor.

#### SPECIAL EVENTS

A major development in the 1978-79 year was the institution of a program called "Seminars in Medicine," featuring outstanding speakers from around the country on a monthly basis at the School of Medicine. These seminars are attended by faculty and students alike.

#### NEW PHYSICAL FACILITIES

In March of 1979, the School of Medicine moved from the laboratory school buildings on the lower campus of the University of Minnesota, Duluth, to its new quarters on the main campus at UMD. This facility

was funded through both federal and state monies and has resulted in an outstanding building well equipped with laboratory facilities, lecture rooms, student laboratories, etc.

### SUMMARY

The School of Medicine in Duluth has continued to grow in response to the mandate from the Legislature and Central Administration in the development of an outstanding program for the education of students entering the field of family practice. The accomplishments of this program can be measured by the fact that over the seven years the program has been in existence, fifty-four percent of the students graduating have entered the specialty of family practice. This figure compares favorably with an overall national figure of fifteen percent.

UNIVERSITY OF MINNESOTA, DULUTH

SCHOOL OF SOCIAL DEVELOPMENT

Willard K. Dodge, Acting Dean

PERSONNEL:

Throughout the 1978-79 academic year, Dr. Willard Dodge served as Acting Dean. In the Spring of 1979 a Dean's Search was undertaken, resulting in the selection of Irl Carter, Ph.D., appointment to take effect July 16, 1979.

POLICY:

No major changes took place in administrative or academic policies. The Bachelor of Social Development curriculum was modified from specialization in social development to preparation of a generalist social worker with a social development perspective.

ORGANIZATION:

No major changes took place.

RESEARCH AND  
OUTREACH  
PROGRAMS:

Major research and outreach programs conducted during the year were "National Assessment of Adult Restitution Programs" (National Institute of Law Enforcement and Criminal Justice), "Improving Mental Health Services to the Rural Elderly" (National Institute of Mental Health), Title XX Training Project for training service providers.

NEW PHYSICAL  
FACILITIES:

Room 100 M.W.A.H. was designated as the new Commons area for the School. Remodeling was scheduled to begin in 1979-80. Plans were made to move the Community Service Center from the University Methodist Church (off campus) to Marshall W. Alworth Hall (on campus).

ENROLLMENT  
STATISTICS:

Forty-four students were enrolled in the MSW program during Fall Quarter 1978. Seventeen of these were men; 27 were women. In the BSD program 140 students were enrolled during Fall Quarter 1978. Ninety of these students were women.

SUMMARY:

In this period the School developed, in response to central administration, a five-year statement of mission, priorities, goals and objectives. The following four top priorities were adopted:\*

1. Quality education at the undergraduate and graduate levels.
2. Meeting the needs and interests of American Indians as a major part of an overall commitment to eliminating racism and discrimination.
3. Social development efforts at the rural and regional level.
4. Developing and implementing alternative solutions to the unequal distribution of resources.

---

\* International social development was added as a 5th priority in Fall 1979.

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, 1978 to June 30, 1979.

Personnel Changes: Gordon Bopp resigned from the position of Academic Dean as of June 30, 1978, to accept a position at Eastern New Mexico University. Wilbert Ahern, a member of the UMM faculty in history, served during almost all of the year as Acting Academic Dean. Near the end of the year, a decision was made to hire Elizabeth S. Blake to serve in a permanent capacity as Academic Dean.

Policy Changes: An academic major in Business-Economics and an academic minor in Women's Studies were approved by the UMM Campus Assembly. Decisions were made to reinstitute the Dean's List and to discontinue the practice of providing early grades for graduating seniors.

Organization: No major organizational changes occurred during the year nor was there any major internal reorganization.

Research and Outreach Programs: Faculty members continued to pursue their individual and collective research interests. Special efforts such as the West Central Minnesota Historical Research Center, the Fantasy Project, and the Eagle Lake Project were continued. Outreach and community service programs expanded in kind and in numbers of participants. New programs included a Title I, Higher Education Act grant for a "Women's Mobile Campus" designed to take programs to small communities in the area to assist women with educational and career planning. Grants were also received from the Minnesota Rural Development Council for the development of three television programs related to aging, retirement planning, and consumer education; and from the Minnesota Humanities Commission to present public forums on "Generations in Conflict" examining the rights and needs of youth relative to those of older adults.

Special Events: During the year, there were ten major professional "Performing Arts" concerts and performances, 21 UMM concerts and faculty and student recitals; six theatre productions; ten art exhibits; 32 lectures and colloquia; and 11 contemporary concerts. Professor Eric Klinger was elected President-Elect of the American Association for the Study of Mental Imagery. Professor Peter French earned a Horace T. Morse Amoco Foundation Award for outstanding teaching; and a book of his, The Scope of Morality, was published by the Minnesota Press. The fifth volume in the series, Midwest Studies in Philosophy, was also published by the University of Minnesota Press under a new arrangement whereby the editing and compilation of the journal remain the responsibility of the UMM faculty in philosophy, but the publication and promotional obligations are now under the direction of the Press. The North Central Council of Latin Americanists held its annual meeting on the campus, and the Minnesota Academy of Science held its 47th annual meeting at UMM.

New Physical Facilities: An eastern entrance to the campus was created with the completion of a road connecting the new Highway 59 by-pass with the campus.

Enrollment Statistics: The total headcount enrollment as of fall of 1977 was 1561, composed of 883 men and 678 women. The following fall, the headcount total was 1433 students, made up of 790 men and 643 women. A number of special efforts have been devoted to increasing both enrollment and retention of students.

Summary: UMM was visited by an accreditation team representing the National Council for the Accreditation of Teacher Education (NCATE) in March 1979. The last visit by an NCATE team has been in 1970. As a result of the 1979 visit, the basic teacher education programs in elementary and secondary education were reaccredited through September 1, 1986.

A Dialogue on the Liberal Arts took place on campus during the month of April, 1979. Three UMM faculty members, W.D. Spring, Peter French, and O. Truman Driggs, made presentations on different aspects of the liberal arts.

In athletics, the women's basketball team earned a tie for first place in the Minn-Kota Conference, and won the conference tournament at the end of the season. The Minn-Kota Conference was discontinued at the end of the academic year, and UMM became a charter member of the new Northern Sun Conference. First place finishes were also accomplished in the Northern Intercollegiate Conference by the men in football and wrestling.

UMM continues to work at strengthening the academic quality of its programs and toward achieving its goal of becoming truly a community of scholars. Student enrollment and retention are matters of concern which require attention. At the same time, it is apparent that UMM students are well satisfied with their educational experiences and that they find appropriate and rewarding employment opportunities.

UNIVERSITY OF MINNESOTA TECHNICAL COLLEGE  
CROOKSTON

Stanley D. Sahlstrom, Provost

I. Personnel

- A. New division chairmen named in Home & Family Services (E. Minnichsoffer) and General Education (M. Smith)
- B. Acting chairman (E. Ueland) designated for Division of Agriculture while chair (G. McVey) is on leave of absence
- C. Chairman (T. Bloom) of Hotel, Restaurant & Institutional Management Division tenders resignation

II. New or Revised Policies

- A. Adoption of new residence hall conduct & appeals procedures
- B. Reissuance of administrative procedures for emergency closing of campus & cancellation (or suspension) of classes
- C. Approval of service policy for delivery of packages & other bulky items to campus offices

III. Changes in Curriculum & Related Educational Developments

- A. Three new degree programs in Division of Business receive final approval by University Regents & Minnesota Higher Education Coordinating Board:
  - 1. Banking & Financial Management
  - 2. Real Estate
  - 3. Word Processing (secretarial major)
- B. Educational consortium, comprised of UMC, Northland Community College (Thief River Falls), & East Grand Forks & Thief River Falls AVTI's, formed to offer courses for licensed practical nursing (LPN) students
- C. Communications department of Division of General Education proposes that writing tutorial laboratory be established in Learning Resources Center
- D. Career Education Center founded, under director of counseling services, to provide occupational information & programmed materials on various career paths open to high school & college students as well as other area residents

IV. Staff Reorganization & New Positions

- A. Retrenchment & reallocation plans formulated & implemented, with several staff positions being phased out or reduced from full to part-time
- B. Legislature appropriates salary funds for assistant director of financial aid
- C. Search launched for major administrative post as UMC's first director of institutional research & development in both the public & private sectors
- D. New director (part-time) of international programs (M. Smith) appointed & staff of counseling & guidance associates enlarged



## V. UMC Outreach & Research Activities

- A. Committee created to postulate student marketing strategies; subsequently titled recruitment committee
- B. Ad hoc task force established to guide long-range institutional planning for forthcoming SEE budget & capital improvement requests
- C. Outdoor tape system installed as pilot project at one central location to provide verbal campus tour for visitors
- D. Advisory (to provost) committee named to plan building dedications & to recommend nomenclature for new facilities & campus works
- E. Programs for community (partial list):
  - 1. Historical Fashions Collection (preliminary research only)
  - 2. Sunflower Seminar (planning only)
  - 3. Feasibility study of academic instruction via cable television
- F. United Kingdom Reciprocal Exchange (UKRE) agreement continued with technical institutes in British Isles, resulting in another one-year exchange in 1978-79 of UMC & Berkshire College of Agriculture faculty members & undergraduates

## VI. Special Events & Publications

- A. Notable ceremonies, conferences & meetings held on the Crookston campus (or under College's auspices) in 1978-79:
  - 1. Spring Commencement Exercises (May 1979) with featured address by U. S. Secretary of Agriculture Robert Bergland
  - 2. Presentation of University's Outstanding Achievement Award to Secretary Bergland on the occasion of Commencement (May 1979)
  - 3. Visits & campus tours for six different legislative committees & several sub-units (frequently in conjunction with hearings or public forums, for which UMC donated its facilities as a site for discussions)
  - 4. Testimonial banquet honoring Regent emeritus L. J. Lee (April 1979)
  - 5. Seminar, co-sponsored by UM Office of Special Programs, on system of agricultural communes & farm economy in the People's Republic of China (March 1979)
  - 6. Region 8A music contest for high school competitors (May 1979)
  - 7. District 31A high school speech tournament (April 1979)
  - 8. Annual spring judging contests (national event) between member institutions of NACTA, the National Association of Colleges & Teachers of Agriculture (April 1979)
  - 9. Elderhostel, two one-week sessions for senior citizens from all sections of the country (July & August 1978)
- B. Faculty members from both technical colleges contribute articles on instructional innovations & other subjects within their respective disciplines to Transfer, semi-annual professional journal published by UMC & UMW

## VII. New Campus Facilities & Other Physical Plant Improvements

- A. College secures \$3.2 million appropriation for construction of indoor-outdoor physical education & athletics (intercollegiate & intramural) complex
- B. Contract awarded to build new food service & HRI classroom facility to replace existing dining hall & student center (Bede)
- C. Ground broken in symbolic ceremonies & foundation poured for same food service building
- D. Exterior work finished on new library to be housed in north wing of Learning Resources Center (Kiehle building)
- E. State & University officials attend groundbreaking program for library addition to LRC
- F. Resurfacing of streets & reconstruction of deteriorated curbing are also accomplished
- G. South road on campus paved for first time
- H. Matching grant of appx. \$10,000 obtained from Minnesota State Arts Board to commission artist & purchase raw materials for an original sculpture to be located on campus mall
- I. UMC horse stables, attached to Red River Valley Winter Shows arena complex, completed & officially opened as new home of Division of Agriculture's light horse management program
- J. Two regulation tennis courts, surrounded by wire mesh fencing, laid north of baseball diamond following approval of grant application by the Minnesota State Planning Agency

## VIII. Enrollment Statistics & Trends

- A. Table of male & female enrollment for fall quarter of 1978-79 school year:

Men	640
Women	<u>443</u>
Total head count	1,083

- B. Enrollment chart for fall 1978, showing full & part-time students divided by sex:

<u>Males</u>		<u>Females</u>
494	Fulltime	<u>371</u>
<u>146</u>	Part-time	<u>72</u>
640		443

- C. Most notable sign of the times at UMC is continuation of pattern in ratio of male to female registrations which first surfaced three years ago -- with further influx of women students in 1978-79, Crookston campus seems destined to reach parity in male-female enrollment within the next few years

## IX. Summary

With retrenchment and reallocation measures being widely enacted throughout the University, UMC must marshal its somewhat limited resources. Moreover, the institution must continue to apply these resources as judiciously as possible in the next decade to the pre-eminent task of offering the most cost-effective and most utilitarian type of technical collegiate education for the benefit of its students.

UNIVERSITY OF MINNESOTA TECHNICAL COLLEGE, WASECA

Edward C. Frederick, Provost

Personnel - No changes

Administrative Policy

A full circle management system was adopted on the campus. This provides for a codification and publication of all guidelines and procedures utilized in the decision-making process on the campus. Other aspects of the system include job procedures for individuals on the campus, a problem-solving process, and an annual review of certain job functions. The first Retrospect study of UMW graduates after five years was completed during this year. A formal review process for administrators on the campus was also implemented. This calls for an Administrative Unit Head, a Division Chairman, and a Student Affairs Unit Head reviewed on an annual basis, based on seniority at the institution.

Academic Policy

The entire curriculum was carefully reviewed by the Curriculum Committee with many course descriptions rewritten as well as some major program revisions under a systematized approach. This was done in conjunction with the revisions made for the 1979-81 college bulletin. Notable curriculum changes found the previous three majors offered under Horticultural Technology changed to two majors as follows: Floraculture, Greenhouse, and Garden Center Technology and Landscape - Nursery Technology. Also, one of the majors under Home and Family Services was retitled Merchandising Technology (from Family Merchandising.) The Pre-Occupational Preparation Program was reviewed by an outside consulting team in August of 1978. Their summary indicated the POP program is a strong and successful one and they made only limited recommendations for necessary changes to improve the program. UMW received notification in August of 1978 from the North Central Association of Colleges and Universities that it had received continued accreditation for a five-year period based on an on-campus visit and campus self-study which had been done earlier in the spring.

Organizational Changes

A group of UMW employees, primarily Food Service and Plant Services, were organized by Teamsters Local 320, 189-18. The first contract for this Bargaining Group on the campus was approved in December, 1978.

Outreach Programs

UMW continued to serve the part-time students both on-campus and off by inloading its effort for these students under a program called Rural Outreach. A course was offered at one new off-campus location during 1978-79, that being at Albert Lea. The number of students enrolled in a part-time basis increased during this year (see statistical summary at the end.)

Publications, Awards, Special Events

The UMW campus grounds were selected to receive the grand award in the Sixth Annual Professional Grounds Maintenance Awards Program for Colleges and Universities. The grounds are utilized as a laboratory for students in

the Horticultural Technology program. The first annual International Agriculture Emphasis Week was held on the campus in the fall. This event provided an opportunity to introduce both the campus community and the Waseca community to a group of students from Nigeria who enrolled at UMW in the fall. It also provided a mechanism to discuss the needs for technically trained people in international agricultural activities.

### New Physical Facilities

An apartment-style housing unit was made available to students in the fall of 1978, providing housing for an additional 64 students and bringing to a total of 436 beds on the campus. In October ground-breaking was conducted for an addition and renovation to the Plant Services area. In December a fire in the Horticultural Technology building resulted in limited damage to that facility, but did not provide a serious interruption to utilization of the facility for instructional purposes. In May groundbreaking was held on two instructional facilities for the campus, a classroom/laboratory building which will provide new and specialized laboratories for Agricultural Business, Food Industry and Technology, and Home and Family Services, and a special purposes laboratory which will provide new laboratories for the Animal Health Technology program. These facilities are to be completed by fall 1980. Over the spring and summer months of 1979 additional outdoor physical education facilities were upgraded, including two new tennis courts and a multi-purpose athletic field.

### Enrollment

Enrollment continued to show an increase during the 1978-79 year with numbers again pushing above the 1,000 level and actually reaching over 1,100 in Winter Quarter. A breakdown by quarters in terms of total enrollment, male and female, and fulltime and parttime is as follows:

	<u>Total Enrollment</u>	<u>Male</u>	<u>Female</u>	<u>Full-time</u>	<u>Part-time</u>
Summer Qtr. 1978	485	168	317	420	65
Fall Qtr. 1978	1,050	550	500	842	208
Winter Qtr. 1979	1,103	669	434	868	235
Spring Qtr. 1979	795	417	378	706	89

As noted previously, UMW had its first large number of international students enrolling in summer and fall 1978. This resulted in a contact from the AID Office in Washington, D.C., on behalf of the Nigerian Manpower project which resulted in the Nigerian government sending many of its young people to the United States for two-year technical training in many programs, including agriculture. The first group to come to the UMW campus included 20 Nigerian students which required the addition of an International Student Advisor Office on the campus.

### Summary

A few other highlights noted during the year included the following:

\*Maynard Augst a former student was named the Star American Farmer by the National FFA in November. Only one individual is selected annually for this award based on their performance as a farmer.

\*The formalized University of Minnesota planning process was followed at UMW and the first draft of a planning document listing mission, assumptions, goals, objectives, and priorities was submitted to central administration in June, 1979.

\*The soils judging team earned first place honors in the National Association of Colleges and Teachers of Agriculture annual contest, in the two-year college category. The event was held at the University of Minnesota Technical College, Crookston.

The 1978-79 year at UMW saw a continuation of enrollment increases, as previously noted and other refinements of the curriculum and efforts at the college. With the continued enrollment increase and minimal changes in the faculty, the student to faculty ratio remains 20-1 whereas technical education for agriculture should be a minimum of 16-1 and more ideally at 12-1. This 20-1 ratio indicates a continued strain on the overload carried by the faculty and poses as one of the most serious dilemmas to be faced by the college as it continues to strive towards excellence.

DIVISIONS OF ACADEMIC AFFAIRS

Henry Koffler, Vice President

SUBUNITS. Aerospace Studies, Col. Robert H. Binish, head  
Concerts and Lectures, Ross D. Smith, director  
Center for Educational Development, James H. Werntz, director  
Office of International Programs, LaVern Freeh, interim associate to  
the vice president  
Measurement Services Center, Patricia S. Faunce, director  
Military Science, Col. George N. Stenehjem, head  
Naval Science, Col. Frank D. Topley, head  
University Gallery, Lyndel King, director  
Center for Urban and Regional Affairs, Thomas M. Scott, director

POLICY. International Programs: Use of all-University advisory task forces for program development in exchanges where coordinated planning and response is required (i.e., China and Cuba).

ORGANIZATION. Aerospace Studies: Had major curriculum changes. Freshman and sophomore classes were revised and reversed in the order presented to allow the Air Force history course to be taught before Air Force organization. Freshman class is now being team-taught with the History Department. Air 3402w was modified and is being team-taught with the Political Science Department. A one-credit seminar was added for AFROTC students. Educational Development: Became the administrative home for University College and continued its responsibility for the Consulting Group on Instructional Design, University Year for Action, and Measurement Services Center. Urban and Regional Affairs: A new program office, Office of Land Use and Housing Research, combining the old housing and land use program offices in CURA, was established in summer 1978. Urban Education as a program designation was discontinued. A course, Multidisciplinary Perspectives on Aging, was developed by the All-University Council on Aging. It is open to all students and is cross-listed with six departments.

RESEARCH AND OUTREACH PROGRAMS. Concerts and Lectures: Presented a short ballet and opera for children ages 8-12 as part of Metropolitan Opera Week. Educational Development: The Educational Development Program and Small Grants Program awarded grants totaling \$338,592 to support 117 faculty and faculty-student projects, ranging from development of laboratory exercises for animal biology to an all-campus writing laboratory at Duluth. International Programs: OIP supervised the following reciprocal educational exchange programs—Free University Berlin; University Sains, Malaysia; University Ife, Nigeria; University Trondheim, Norway; University of Tunis, Tunisia; University of the Republic of Montevideo, Uruguay. The program with Budapest's Institute of Cultural Relations was terminated by the U.S. State Department. Institutional commitments were made in Tunisia, Mediterranean, Mexico, Brazil, Colombia, Nepal, Indonesia (MUCIA), Cuba, and China for development of educational exchanges. An agreement for exchanges between the Law School and Jean Moulin Lyon III University in France was arranged in consultation with OIP. University Gallery: Held 26 exhibitions including the Art of Russia: 1800-1850 organized with Committee on Institutional Cooperation and USSR Ministry of Culture. This exhibition was shown at four other C.I.C. museums and closed at Renwick Gallery in Washington, D.C. It was augmented by a Festival of Russian Art featuring dance and music performance, lectures and symposia, and Gogol's "Marriage" at Guthrie Theater directed by Anatoly Efros. Six exhibitions were outreach projects, organized by the Gallery's touring program; they were in 63 Minnesota communities and attracted 50,000 visitors. Fifteen new counties were served, bringing the total to 42. Urban and Regional Affairs: A joint project with the University of Wisconsin involving 85 students and 12 faculty members was undertaken to study the impact of urbanization and provide physical planning and design alternatives for the St. Croix River Valley. Intercultural Programs developed the commiversity mini-personnel grants program to help community-based nonprofit organizations serving Afro-American, American Indian, and Chicano clients. The grants are available for hiring University students, faculty or staff who provide assistance to agencies in

initiating development projects. A major research project to provide data on Minnesota was begun; it will produce an atlas of Minnesota resources and settlement, intended to serve as a working document for state agencies and planners, and provide information to the general public. A number of projects involving survey research were begun. Two pilot studies, using Olmsted and Wright counties, involve land use change. Projects in Phillips and Whittier neighborhoods, Minneapolis, are studying neighborhood organization and planning.

SPECIAL EVENTS. Aerospace Studies: A presentation to University staff and students from Ambassador John P. Walsh, State Department Adviser to the Commander, Air University, Maxwell AFB, Ala.; Tri-Service Review; Tri-Service Commissioning; and an Armed Forces Day Conference for area armed forces commanders and public officials; and base visits to Patrick AFB, Fla., and Mather AFB, Calif., for cadets and dignitaries. Concerts and Lectures: Hosted two-day conference for Big Ten Concert Managers, June 19-20, 1979. International Programs: A University/Community China Retreat was held Feb. 10, 1979, to explore issues in and resources for educational exchanges with China. A conference on Women in International Development was held April 21, 1979, and involved representatives from all MUCIA universities. Military Science: Harold Deutsch, a noted military historian, was guest lecturer in spring 1979. Urban and Regional Affairs: William J. Craig, assistant director and instructor, spent three weeks at the University of Rhodesia, Salisbury. He presented lectures on computer-assisted land use planning in Minnesota, and provided consultation on the feasibility and desirability of implementing such a planning system for Rhodesia. Three publications of particular note were produced during this time: Recycling the Central City: The Development of a New Town-In Town by Judith Martin; Carpooling: An Overview with Annotated Bibliography by Roger Plum and Jerry Edwards; and Bibliography of Social Science Research and Writings on American Indians by Russell Thornton and Mary K. Grasmick.

SUMMARY. Concerts and Lectures: Installed Dayton's computer ticket service with terminals in Northrop Auditorium and all Dayton's stores, which increased service for customers. Dance audiences, which had increased greatly in the last eight years, seem to have reached a plateau. Educational Development: Center effort was devoted to administration of two University-wide educational grant programs; activities in pre-college development, communications/dissemination, evaluation and assessment, and general development; and University-wide projects related to academic program evaluation development and improvement undertaken at the request of the vice president for academic affairs. The latter included staff work for the Student Course Information Project, a pilot effort to make information about University courses available to students and advisers for use in planning programs and selecting courses. The Consulting Group on Instructional Design effort was devoted to working with faculty within well-defined contexts (e.g., a specific course or curriculum) to improve the cognitive and affective dimensions of the learning and instructional processes of University educational programs. International Programs: Areas of particular focus for the coming year will be to strengthen Development Studies, with emphasis on the role of women, and the impact of programs on women and families in the developing world; to provide more resources for the international activities of faculty, with particular emphasis on younger, less experienced faculty; to continue the coordinating and facilitating role in the China Exchange program, with emphasis on refining and implementing the exchange agreements; and to further the exploration into improving the gathering and dissemination of information about the international dimension at the University. Measurement Services Center: MSC effort was devoted to serving the instructional faculty by conducting evaluations of University instruction, courses, curricula, and programs. Military Science: This biennium saw a definite improvement in the Army ROTC program. An increase in the number of entry options opened avenues for more students to enter Army ROTC.



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.

A development officer and leadership committee have been appointed for a private gifting program to support programs of the Institute. There appears to be much interest in the private sector in this program.

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. New course in international area: "Introduction to World Food Problems". French foreign language program transferred to international area.

Organization. No changes.

Research and outreach programs. Contracts with the Peoples' Republic of China for the College of Agriculture (four scholars visiting University of Minnesota, 1980-81). Three year AID Morocco Project to be replaced by ten year contract in September, 1979.

Special events of your unit. (A). Norman Borlaug became an honorary visiting professor. (B). A publication The History of the School of Agriculture 1851-1960 by Ralph Miller.

New physical facilities. No major changes

<u>Enrollment statistics.</u>	(A). <u>Fall 1977</u>	<u>Fall 1978</u>
Men	1264	1170
Women	<u>612</u>	<u>615</u>
Total	1881	1785

(B). Enrollment appears to be leveling off.

COLLEGE OF FORESTRY  
Richard A. Skok, Dean

Policy: (1) The College of Forestry was reaccredited by the Society of American Foresters as an institution of professional forestry education in October 1979 based on an interim self-evaluation report submitted to them by the College on June 15, 1979. (2) The College faculty approved a major revision of the Forest Science baccalaureate curriculum in May 1979. Among the changes to the curriculum and its two specializations were: (a) change in the title of the Forest Sciences Social Sciences specialization to Social and Managerial Sciences specialization, (b) the elimination of the requirement that students must maintain a GPA of at least 3.0 throughout their programs in favor of the requirement that students must have a GPA of at least 3.0 in all required courses to enter their junior year, (c) the addition of the 18-credit Cloquet forestry field session as a requirement for the Natural Science specialization, (d) the elimination of an individual research topic as a requirement in both specializations, and (e) other additions and deletions to required coursework for both specializations. (3) College administrators devoted a major portion of May and June 1979 to the final development of a draft plan which describes the College of Forestry's goals, objectives, and priorities over approximately the next five years. This planning activity was in response to the new University-wide planning process initiated by President Magrath in April 1979. (4) Central Administration and the Agricultural Experiment Station awarded the College approximately \$22,000 in faculty salary equity funding in May 1979 for FY 1980. This award was made on the basis of a comparison of FY 1979 faculty salaries in the College of Forestry with those in eight peer forestry schools across the country. (5) As part of the University-wide budget retrenchment due to declining enrollments, the College of Forestry's instructional budget was retrenched \$18,393 in FY 1979. This was equivalent to about 3% of the College's teaching budget and resulted in the loss of an instructor position in fire management.

Research and Outreach. (1) During May and June 1979, forestry Agricultural Extension faculty and administrators participated in the development of a Renewable Resources Extension Plan for Minnesota. The plan, required by the Renewable Resources Extension Act of 1978 (P.L. 95-306), was submitted to the USDA on July 1, 1979. It defines the renewable resources extension programs which would be developed in Minnesota should the new Extension funding authorized by the act be realized. (2) A major research study was initiated during the year on the economic potential of utilizing and marketing timber and wood products from spruce and fir trees threatened or damaged by spruce budworm. This team project of faculty in the Department of Forest Products is funded by the U.S. Forest Service through the Canadian-U.S. Spruce Budworms Program. Other research projects initiated during the year include development of a computer-based management information system for use by the Minnesota DNR and other agencies, the application of a computer model for predicting streamflow from snowmelt and rainfall to watersheds in the Upper Missouri River Basin, a systematic analysis of the economic conduct and performance of selected wood-based industries, and an evaluation of the feasibility of using aerial photographic techniques to detect Dutch elm disease. Research studies in peatland hydrology and reclamation/reforestation continued during the year and were extended by the Minnesota DNR through 1981. Also extended was a USDI-funded project on plant community types in Voyageurs' National Park.

Special Events. (1) The College celebrated its 75th anniversary on November 9, 1978, with a banquet for nearly 230 alumni, students, staff, and friends at the Radisson Hotel in St. Paul. Regent Lloyd Peterson presented Outstanding Achievement Awards to alumni Frank H. Kaufert, B. Francis Kukachka, and Tenho Ewald Maki. Former Governor Elmer L. Andersen, Vice President William F. Hueg, Jr., and Howard Olson, class of 1947, spoke to the group on behalf of public policy makers, the University, and the alumni, respectively. Also in recognition of its 75th anniversary, the College cooperated with the Agricultural Experiment Station in publishing a special issue of Minnesota Science in 1978. The issue focused on research of the faculty in the College of Forestry.

(2) On January 25, 1979, Governor Albert Quie signed a proclamation designating January 27, 1979, as Foresters' Day in Minnesota. This was the first time the annual Foresters' Day celebration sponsored by students in the College had been so recognized. (3) The College hosted the annual meetings of the McIntire-Stennis Advisory Committee and Advisory Board May 15-17, 1979. These groups advise the U.S. Secretary of Agriculture on the program and funding distribution of federally supported cooperative forestry research at state institutions. Among those attending the meeting was M. Rupert Cutler, USDA Assistant Secretary. (4) On October 12, 1978, the College hosted the Board of Regents for a tour of the College's Cloquet Forestry Center and forest industries in Cloquet. The Regents' visit to Cloquet was part of their effort to acquaint themselves with the programs and facilities of the University at outlying stations. (5) Tait Trussell, acting executive vice president of the American Forest Institute, visited the College on May 10, 1979, to present a seminar on "Communication Needs and Strategies for the Forest Industries". Trussell's visit was part of the College's Distinguished Visitor Program funded by the Blandin and Laird-Norton Foundations.

Physical Facilities. During FY 1979, Green Hall was remodeled to provide a computer center for students and faculty on the lower level and additional office space in the Office of the Dean.

Enrollment Statistics.

	<u>Fall 1977</u>	<u>Fall 1978</u>
Undergraduate and Adult Special		
Men	366	348
Women	90	92
Total	456	440
Graduate	72	82

Undergraduate enrollment in the College fall 1978 was about 3.5% less than that in fall 1977. This was the third successive year a decline in undergraduate enrollments was experienced. The fall 1978 graduate enrollment was the highest experienced to date in the forestry graduate program.

Summary. (1) Gregory N. Brown assumed the post of head, Department of Forest Resources on October 9, 1978. Brown replaced Arnett Mace who resigned February 28, 1978. Carl Mohn served as acting Forest Resources department head from March 1, 1978, to October 1978.

## COLLEGE OF HOME ECONOMICS

Keith N. McFarland, Dean

Personnel. 1) Dr. Jerome Beker was appointed head of the Center for Youth Development and Research. 2) Dr. Hamilton I. McCubbin was appointed chair of the Department of Family Social Science. 3) Dr. Ruth Thomas was appointed acting head of the Division of Home Economics Education.

Policy. 1) The Interior Design program was granted provisional accreditation by the Foundation for Interior Design Education Research. 2) Research funding support from the Agricultural Experiment Station totaled \$971,834; training grants and other external support brought this figure to \$1.4 million. 3) The first draft of the college planning document was submitted June 30, 1979.

Special Events. 1) Home Economics Complex (building program) was designated as Honor Award winner (one of four in the state) for excellence in design by the Minnesota Chapter of the American Institute of Architects (THE Hodne-Stageberg Partners, architect). 2) The college hosted the annual conference of the American Association of Housing Educators, a conference on National Dietary Goals, and a conference on Exploring Marital Styles. 3) The Twin Cities Metropolitan Youth Studies Information Center was developed. 4) A charter membership of Friends of the Goldstein Gallery was established. 5) The first annual meeting and adoption of the constitution of the College of Home Economics Alumni Society took place in April 1979.

Physical Facilities. The McNeal North renovation, the last phase of the home economics building program, was completed and occupied in fall 1978.

### Enrollment Statistics.

	<u>Undergraduate</u>		
	<u>Fall 1976</u>	<u>Fall 1977</u>	<u>Fall 1978</u>
Men	65	70	78
Women	<u>1,310</u>	<u>1,280</u>	<u>1,377</u>
Total	1,375	1,350	1,455

The areas of general design and of textiles and clothing showed the greatest proportional increase in 1978-79.

Graduate enrollments in home economics-related areas were 227 in fall 1977 and 212 in fall 1978.

Summary. Leadership selection for three units of the college was of major significance in 1978-79. The completion of the building program consolidated the faculty into two locations (McNeal Hall and the Food Science and Nutrition building).

## AGRICULTURAL EXPERIMENT STATION

Signe T. Betsinger and Roy L. Thompson, Asst. Directors

### Personnel

Director Keith A. Huston submitted his resignation as director to take effect June, 1979.

### Policy

Review of the research, teaching and, to a more limited extent, extension programs in the Departments of Animal Science and Biochemistry were conducted by outside review teams.

New barley, oat, soybean and wheat varieties released by the Minnesota Agricultural Experiment Station are to be protected under the U.S. Plant Variety Protection Act.

### Research and Outreach Program

Total expenditure was \$22,868,623. This was in support of over 300 separate research projects conducted by 25 departments. A total of 442 scientific papers relating to experiment station work were given experiment station numbers.

The research included basic and applied work in animal and plant genetics, diseases, production and new germ plasm or variety development. Agricultural and related economic studies, food processing and storage, family stress, livestock marketing, mycotoxin identification and effects, and energy conservation are examples of other areas of research.

### Special Events

May 17, 1979, was designated as E. C. Stakman day in honor of plant pathology professor Emeritus Elvin Charles Stakman who died January 22, 1979. Professor Stakman's contribution to science, intellectual enlightenment, and human welfare in the field of Agricultural development over his 73-year career at Minnesota and throughout the world will long be remembered.

### Summary

The mission of the Agricultural Experiment Station is to organize and support scientists who conduct research to improve the production, processing, marketing, distribution and quality of food, agricultural products, forests and forest products, and to improve human nutrition, family and community life, recreation and tourism, and overall environmental quality.

The continuous changing economic and social conditions in Minnesota require that programs of the Agricultural Experiment Station address current needs and still maintain orientation to provide basic information important for continuing research. Participation in the University of Minnesota long-range planning together with regular periodic review of projects, departments, and programs enables the Experiment Station to perform this function to better serve not only the agricultural community directly but all the people of Minnesota and the world who are consumers and users of the Agricultural Experiment Station products of research.

## AGRICULTURAL EXTENSION SERVICE

Roland Abraham, Director

PERSONNEL. Top administrative staff remained intact.

POLICY AND ORGANIZATION. No major changes in policy, organization, or the unique program planning and development process closely involving local county Extension Committees (learners), county and state staff and administrators. Evaluation continues through a regular review process involving a major program area nearly every year and review of individual programs yearly. Minnesota's in-service professional development program continued to receive national recognition as did its newly developed Minnesota Extension Summer School at Duluth.

STATISTICAL SUMMARY. 470 professional staff and 67 paraprofessional staff years were devoted to programs, reaching over 1,800,000 individuals (contacts, meetings, etc.) and as many more by mass media and publications. Over 17,300 American Indians, 4,200 Asiatic, 16,300 blacks, and 6,200 Hispanic contacts were involved. The number of persons involved in the four major program areas were: Agriculture and Related Industries, 571,000; Community and Resource Development, 125,000; Home Economics and Family Living, 337,000; and 4-H and Youth Development, 780,000.

PROGRAM AREA PROGRESS. Agriculture and Related Industries continued heavy emphasis on crop and livestock production with new emphasis on such areas as the growing sunflower industry, irrigation, energy, and Dutch Elm disease control. Campus clinics and service continued to grow. The garden clinic handled 42,800 inquiries; insect, 25,000; plant diseases, 9,600. The Soil Testing Lab handled 30,000 samples. New and expanded projects included the Northern Beef Demonstration, in-depth livestock programs, a dairy goat conference. DHIA (Dairy Herd Improvement Association) enrollment reached a new high and now covers a third of all Minnesota's dairy cows. Marketing programs had increased emphasis as did safety, development of agricultural computer decision aids, estate and other legal training, forestry and many others.

4-H and Youth Development had a slight drop in the number of youth reached because of decreasing numbers in the 9-19 age group. Membership totaled 48,008 with an additional 14,271 in special interest groups or projects. The leading projects were food and nutrition, 19,417; clothing and textiles, 11,588; photography, 8,830; dairy, 8,708; and home horticulture, 8,602. The trend in activities is noteworthy, with 75,100 youth involved in energy and energy conservation; 10,987 in leadership skills; 20,178 in music, dance, or drama; and 13,779 in creative crafts and hobbies. Over 29,000 volunteer leaders contributed over 5 million hours of time to 4-H work the past year in Minnesota. Among new or expanded programs are the energy, sea-grant, arms and bike safety, and "learn to earn."

Home Economics and Family Living programs cover a broad spectrum. Greatest emphasis in time and people reached went to: food and nutrition, 25%, 56,000 reached; family living, 16%; personal and family resources management, 14%; housing and environment, 14%, 15,000 reached. Other areas were textiles and clothing, leadership development, human health, food service management, and leisure and cultural education. The Expanded Food and Nutrition program aimed at low-income disadvantaged persons continued. Newer areas of emphasis included energy, art, household equipment, and strengthening of families. The on-campus consumer answering service handled over 20,000 phone calls and letters.

Community Development, Natural Resources, and Public Policy issues and subjects were broad in scope. Audiences included resort owners, grain association officials, cheese producers, forest products, county officials, conservation leaders, government officials, farm organizations, and many others involved with broad policy determination. Some special events included township officers short course, Tokyo Round Seminar, trade conferences, transportation seminars, and wood heating.

COLLEGE OF BIOLOGICAL SCIENCES  
R. S. Caldecott, Dean

Personnel: Dr. LaVell Henderson was named Associate Dean (part-time) in September of 1978. Dr. Fred Forro, Jr., was named Director of Minority and Disadvantaged Student Affairs for CBS. Dr. Norman Kerr resigned from his administrative responsibilities as Associate Dean, to be effective September, 1979. Dr. Victor Bloomfield was named as Head of the Department of Biochemistry, effective July 1, 1979.

Policy--Curriculum Modification: A review of behavioral biology course offerings was completed. A new, ten-credit course offering in "Advanced Field Ecology" was added at the Lake Itasca Biology Session; the program was developed under a grant from the Educational Development Program and is considered a major advance in field biology offerings at Minnesota. Biology and Botany minors were reestablished in the College of Liberal Arts.

Organization: In September of 1978, the Freshwater Biological Institute was named the Gray Freshwater Biological Institute, in honor of Mr. Richard G. Gray, Sr.

Special Events: The second Fred Smith Memorial Lecture was presented on October 16, 1978, by Dr. Raymond U. Lemieux on "Typing Reagents for Important Human Antigenic Determinants by Way of Chemical Synthesis". Dr. Lemieux is Professor of Organic Chemistry at the University of Alberta at Edmonton. The lecture was sponsored by the General Mills Foundation.

Enrollment Statistics:

	<u>1976-77</u>	<u>1977-78</u>	<u>1978-79</u>
undergraduate majors	535	533	476
graduate students	301	271	264
"full year equivalent" students	1377	1330	1294

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



## COLLEGE OF BUSINESS ADMINISTRATION

David M. Lilly, Dean

### Policy

A revised MBA Program was adopted following a market survey of alumni, students, corporate recruiters and area chief executive officers. The program to take effect in the Fall of 1979 also has an evening component which is expected to double in enrollment within five years.

### Organization

The Graduate School of Business Administration's two programs, Ph.D. and MBA, were separated with the naming of individual directors for each part.

A new Executive Development Center (EDC) was established which will operate a three-level management development program: The Minnesota Executive Program (a resident management program for senior executives, now in its ninth year); The Minnesota Management Institute (a program for operating managers in business, government and non-profit organizations); Management Seminar Programs (a coordinated group of one-to three-day seminars for managers who want to refine their skills or increase their knowledge of specific areas of business or management).

### Research and Outreach Programs

An Office of External Relations was established in the college, whose major responsibility is working to increase support for the college within the business community.

A five-year development plan was created and a Board of Overseers, composed of top-ranking business and community leaders, was established to perform advisory, advocacy and support functions for the college.

The Business and Technology Program, a joint endeavor with the Institute of Technology, was established to foster cooperation and interaction between the CBA and IT and to secure support for the two colleges from the business community they serve.

The CBA development program raised \$507,900 in its first year. The five-year plan envisages raising substantial outside funding for faculty development and research.

New courses and programs to more extensively and regularly utilize the expertise in the local business community have been developed to be initiated in 1979-80.

### Special Events

Roger Birk, President and CEO of Merrill Lynch and Company, gave the major address at the annual Fall Business Alumni Institute.

Edson Spencer, Chairman of the Board and CEO of Honeywell, was the banquet speaker at the student-managed Annual Business Day in April.

### New Physical Facilities

The 1979 Legislature appropriated funds for the planning and design for an addition to the College. Construction funds will be requested in the 1980 session of the Legislature.

<u>Enrollment</u>	<u>Fall 78</u>			<u>Fall 77</u>		
	<u>M</u>	<u>F</u>	<u>Total</u>	<u>M</u>	<u>F</u>	<u>Total</u>
Undergrad (Jr. & Sr.)	1030	458	1488	1060	387	1447
MBA			315			301
	479	160		451	137	
EMBA			324			287
Ph.D.	56	12	68	53	10	63
MA-IR	34	40	74	51	53	104
Ph.D.-IR	7	2	<u>9</u>	11	2	<u>13</u>
			2278			2215

### Placement

Of the 763 business school graduates registered with the Placement Office, 86% (552) were employed by the end of August. The number of companies recruiting on campus in 1978-79 (199) and the number of job offers (852) were comparable to 77-78. Average salaries increased 12% for BSB Regular degrees to \$13,020 while they increased 8% for BSB Accounting degrees to \$14,040.

### Summary

The revised MBA program represents a dramatic improvement in quality, already reflected in the improved quality of applicants. The new Executive Development Center provides new responses to the community's need for executive education, and will be important both as a measure of our service to the business community and as a funding source. The Office of External Relations, in cooperation with the University Foundation, was the University's first step toward decentralized development activity. Its immediate success has led to other colleges following this same pattern.

## CONTINUING EDUCATION AND EXTENSION

Harold A. Miller, Dean

### COMMUNITY RELATIONS AND EXTENSION SERVICES—Barbara Stuhler, Associate Dean

**Audio Visual Library Service** issued 37,376 titles to 3,549 customers during 1978-79. In May 1979, a joint preview/promotion program was launched with the Southeast Community Library to build awareness in the University community of library programs and AVLS films. A change in the directorship of the department became effective in September 1978 with the appointment of Judith Gaston as Acting Director.

**Community Programs** Early Childhood Studies Program had a total enrollment of 622. Total enrollment in the Neighborhood Program was 1,624. In the Older Adult Program, a Certificate in Aging Studies was offered in cooperation with General College. Thirty students were formally admitted to this program. Seven hundred sixty-three hostellers attended Minnesota Elderhostel during summer 1979, up 60% from summer 1978. Community Development, a new program, will be seeking funds for the ongoing program.

**Continuing Education in Public Policy** has a new schools program for teachers of grades K-12. The International Education in the Schools Project began in January. Conferences held were SALT II, "Team USA"—two German Bundestag members, International Winter City Conference, and the China Conference.

**Continuing Education for Women** processed 6,250 registrations. Of the women who registered fall quarter, 56% were employed full- or half-time. Interest in managing and owning businesses has led to the formation of an advisory board of people working with CEW to plan a course on "Your Own Business: How and Where to Start."

**Crookston Technical College, Office of Continuing Education and Community Services** offered 57 courses (53 credit and 4 noncredit) during 1978-79 with enrollments of 1,051 (573 males and 478 females). A week-long Horsemanship Camp was established in 1978-79 as well as special courses/seminars/clinics on History of Polk County, Management of Day Care Centers, Land-Use Planning, to list just a few. The office received \$4,408 in grant monies during 1978-79.

**Fire Information, Research, and Education Center** provided information and consultation on fire prevention and control in response to 902 requests from municipal, state, and federal offices; educational agencies; industry; fire departments; and community organizations in and out of the state. Twenty-nine seminars and workshops (22 in outstate locations) attracted 3,760 participants during the year. The center worked with appropriate academic departments to incorporate fire-related subjects into course offerings. Under federal auspices, it published proceedings of a national conference involving 33 states and issued several extensive publications of its own.

**Sea Grant Extension Program** increased its programming in Marine Education and Fisheries with the appointment of a full-time fisheries agent this year. Special activities included organizing a Great Lakes Sea Grant Network Conference on "Sea Grant and Boating — A Great Lakes Perspective"; conducting a teacher orientation workshop for a high school Coastal Problems Resource Management course in cooperation with the Minnesota Department of Education and the State Planning Agency; implementing a pilot project for disadvantaged youth called "A Week on the Water"; co-sponsoring a Lake Superior Poetry Contest for Arrowhead Region high schools; and continuing work on a *Lake Superior Cookbook*.

### CONTINUING EDUCATION DIVISION—Eleanor S. Fenton, Associate Dean

**Continuing Education in the Arts**, at the invitation of the CEE Duluth Center and the UMD School of Fine Arts, conducted a feasibility study for a major summer arts festival to be held in Duluth in summer 1980. The Summer Arts Study Center enrolled 471 students in 24 classes (72% women and 28% men). Residents of Region 7E and the director of the State Arts Board invited the department to assist in developing and strengthening theater activity in the area. The Loan Play Library continued to serve the University and the residents of Minnesota by loaning 3,626 plays to 1,270 patrons. Tour attendance at Ouroboros South, an energy demonstration house, was 3,500 persons, up 10% from 1977-78.

**Continuing Education in Education** offered approximately 250 credit activities which attracted nearly 6,000 registrants. Decreasing enrollments in pre-service and graduate teacher education programs are allowing the University to shift resources from those programs to continuing teacher education programs. Mandatory continuing education requirements for relicensure suggest that the demand for continuing teacher education programs will increase.

**Continuing Education in Engineering and Science** held 46 conferences with a total of 3,080 attendees. A number of annual conferences are programmed such as the conference for county engineers and the Annual Mining Symposium. During this year, the enrollment in the UNITE programs reached an all-time high of 2,807 credit hours.

**Continuing Education in Pharmacy** provided programs at some 30 sites throughout the state. It has continued to prepare and present credit programs in response to the growing need for specialty areas in practice, and to the College of Pharmacy's move to an all-Pharm.D. program in fall 1981. The developing and offering of certificate programs continued in 1978-79. The Senior to Senior Project (through Title I), jointly sponsored with the Older Adult Program, has been very well received.

**Continuing Education in Social Work** had a total of 3,542 registrants in its 4 major programs. The Foster Care Education Program was expanded, with particular reference to an AODAP grant which is being used to develop a major outstate program. It will include training of trainers for non-metropolitan areas and the training of foster parents throughout the state in drug abuse prevention. A forum involving international experts on adolescence was hosted here.

**Continuing Management Education** (formerly Continuing Business Education) ended formal ties to the College of Business Administration in 1979 resulting in the name change and a physical move to the Armory. Two new research areas were initiated. One dealt with the issue of how much difference participation in the data processing review sessions offered by Continuing Management Education contributed to successful future certification in that field. A second study focuses on ways to assess the needs for management development when individuals or groups do not have a clear idea of where to start their planned program of professional development. Total enrollment in all seminars, workshops, and conferences was 5,613.

**Continuing Medical Education** developed two research and training programs: The Bush Clinical Fellows Program (funded by the Bush Foundation) and an independent study program for directors of medical education in local hospitals (developed with the Minnesota Medical Association). Two international conferences this year were "International Symposium on Sensorineural Hearing Loss, Vertigo, and Tinnitus" and "International Symposium on Testicular Cancer."

**Continuing Nursing Education** served approximately 3,000 registered nurses during the 1978-1979 fiscal year. It became a department in June 1979. This program provides the only post-baccalaureate continuing nursing education in the state. Continuing Nursing Education won a Certificate of Merit from the International Rehabilitation Film Festival for its video-tape series on epilepsy.

**MacPhail Center for the Arts** separated from Continuing Education in the Arts following an unsuccessful search for a head of MacPhail who would report to the Director of CEA. Associate Dean Eleanor Fenton was named Interim Director on April 16. The MacPhail Suzuki program is the only one in the country with a full-time staff and is recognized as the top program.

**Real Estate Education**, as of May 1979, reports directly to Dean Barbara Stuhler rather than Dean Eleanor Fenton. In November 1978, the National Association of Real Estate License Law Officials awarded the State of Minnesota for having the most outstanding real estate education program in North America in its division. Real Estate Education moved from 334 Business Administration to 302 Westbrook Hall.

#### INSTRUCTIONAL SYSTEMS DIVISION—Donald Woods, Associate Dean

**Conferences** offered a new program in Adult Day Care last year. A number of programs of national and international scope were conducted during the past year including the short course on Fundamental Concepts of Plasma Chemistry, the MMPI Workshop, the MMPI Symposium, the Short Course on Aerosol Measurement, and the Adult Psychiatric Day Treatment Conference. In May 1979, the NUEA Conferences and Institutes Division Creative Programming Award was given to Gordon Amundson for the First International Conference on Lifestyle and Health. Fred Berger, Director Emeritus of the Department, was given the Stanley C. Robinson Distinguished Service Award for his many years of outstanding leadership in the department. During 1978-79, 6,881 men and 2,838 women attended 144 conferences.

**Continuing Education and Extension Counseling** served 13,748 students for a total of 21,407 contacts (1.6 contacts per student) in 1978-79. Seven hundred nine students took a battery of tests as part of the counseling process. During 1978-79, 54% of the students were enrolled in CEE in order to complete a degree or certificate program. During this year, 169 Extension students earned degrees and 345 earned certificates. Several members of the department are included in the Peer Counseling Project, which was funded last year by NIMH.

**Extension Classes** programs are continually evaluated, deleted, and added. Noncredit programs show the greatest growth. Market research and MIS needs were defined in 1978-79 and reorganization of registration and financial work tasks were undertaken. John Malmberg was appointed director. Enrollment for 1978-79 was 36,126 students.

**Independent Study** in the last year grew from 6,987 to 7,255 students. Independent Study was involved in negotiations with Control Data Corporation for their purchasing reproduction rights to certain courses. Two staff members, David Horgan and Marcia Hyatt, participated in a two-day seminar on Control Data Corporation's "Create" course. The Director, Roger Young, announced his resignation effective September 1, 1979. Two research projects were under way this year: the Television Independent Study questionnaire and a questionnaire for students who register in courses by correspondence.

**University Media Resources** took over responsibility for the Health Sciences audio visual services in August 1978. The Film Production unit completed 368 minutes of programming activity during 1978-79, and the film "Domestic Disturbances" won honorable mention in the American Film Festival. KUOM underwent intense self-evaluation and established new programming priorities. The Minnesota School of the Air was terminated and the station received an Ohio State Award for the program "Speak Easy." KUOM listeners dropped from a peak of 42,900 per week in 1977-78 to 26,400 in 1979. UMR-Engineering processed 1,009 service orders for installation or repair of equipment, and the Photo Lab handled 11,256 orders during 1978-79.

**CEE Duluth Center** offered 370 on-campus evening credit courses with a total enrollment of 7,700 students. In 8 surrounding communities, 492 students enrolled in 41 credit courses. One hundred fifty-five conferences, noncredit courses, and seminars were offered enrolling 8,950 persons (an increase of 29% over 1977-78).

**CEE Morris Center** served 2,139 individuals during 1978-79. Total registrations (credit and noncredit) were 2,583. A real estate education program was initiated during 1978-79.

**CEE Rochester Center** enrollments for 1978-79 were 1,660 registrations in credit programs and 4,410 in noncredit programs. A major conference on Reality Therapy was held in April 1979 with nationally known expert William Glasser. Director Russell May resigned effective July 16, 1979, and Raymond Fitzpatrick was named Acting Director. The Rochester Center moved into the Friedell Building on June 30, 1979.

**Communication Services** earned three national awards in 1978-79. Two first-place Exceptional Achievement Awards for excellence in programs and communications were awarded the department by the Council for Advancement and Support of Education (CASE) and the 1979 National University Extension Association (NUEA) Award of Merit for outstanding publications was awarded for two new direct mail catalogs. Gayle Hendrickson became the new director July 1, 1978. In 1978-79, the promotion unit handled 1,206 jobs. The distribution and mailing unit mailed 1,578,696 pieces. Work orders processed by the distribution/ mailing staff totalled 1,196. The number of SOS work orders processed increased from 414 in 1977-78 to 418 in 1978-79.

**Research Center** completed reports and monographs based on the following projects: Extension Classes Student, Health Service Interest Survey; Annual Enrollment Report; Pilot City Studies, First Study and Follow-Up 1969-77; and Morris Area Market Profile.

#### SUMMARY

During 1978-79, Continuing Education and Extension has continued to grow and expand its services to many more Minnesota citizens. Most of the CEE departmental reports describe growth and expansion of services and enrollments. Its programs reached nearly 100,000 persons with credit classes, credit-free instruction, and various educational services. CEE has helped the University of Minnesota fulfill its land grant mission during this year.

## COLLEGE OF EDUCATION

William E. Gardner, Dean

### Personnel

There were no personnel changes in the College of Education at the level of dean during fiscal year 1978-79. However, the "Summary" section of this report discusses changing trends in the makeup of the College faculty.

### Policy

1. In April of 1979, the College received a statement of University-wide planning priorities and objectives for 1980-81, and a request that the College prepare and submit its own planning document by June 30. Through consultation among the Office of the Dean, the Administrative Council, the Senate Consultative Committee, College Standing Committees, and the Education Planning and Development Office, a planning statement was drafted and forwarded to the Vice President for Academic Affairs. The document, which synthesizes departmental policy and planning efforts, draws upon previous College-wide documents, such as the 1965 mission statement. It provides a functional planning framework through the identification of rational assumptions about social and economic trends affecting education and through the development of goals and objectives related to those assumptions. Ranked according to importance and urgency, the goals and objectives are expected to move the College into the 1980's prepared to meet three major needs of: 1) maintaining and seeking to improve the overall quality of its faculty and programs, 2) strengthening its program of service to the state and region, and 3) increasing its efficiency and productivity.
2. Consistent with University policies of periodic program review of collegiate and graduate programs, as instituted by the Board of Regents, the Department of Curriculum and Instruction was reviewed during fiscal year 1978-79 by self-study and by internal and external review committees.

### Organization

In the summer of 1978, the Vice President for Academic Affairs requested the deans of the College of Education and the College of Liberal Arts to draft an implementation plan for the establishment of a school of music that would administratively link the resources of the department of music with music education. The plan was prepared and approved by administrators and faculty from both Colleges. Consistent with exploratory studies and proposals, the plan provides for the creation of a school of music under single administrative management in the College of Liberal Arts, with the provision that the music education program, faculty, students, and certification remain within the College of Education.

### Research and Outreach

Expenditures for sponsored research and training in the College totaled approximately \$4 million for fiscal year 1978-79, comparable to levels maintained over the previous five years. Major external awards included NIMH support for the annual "Psychology in the Schools" colloquium sponsored by the Department of Psychoeducational Studies; an award from the U.S. Office of Education to the Teacher Center in the Department of Curriculum and Instruction for its participation as one of five National Diffusion Networks disseminating information on innovative educational programs; and a two-year grant from the Fund for the Improvement of Post-Secondary Education to the Department of Social, Psychological, and Philosophical Foundations of Education in support of a research project to improve faculty instructional methods in higher education.

## Special Events

The College's participation in national and international efforts to improve and advance higher education programs is reflected in several special events of 1978-79. The Minnesota Symposium on Child Psychology, annually sponsored by the Institute of Child Development, brought together experts from education and related fields to discuss developmental perspectives on cognition, affect, and social relations. "Planning and Vocational Education in the United States," a national seminar directed by faculty of the Department of Vocational and Technical Education, attracted leaders from a variety of professional fields, as did the 1979 Professional Growth Institutes sponsored by the Center for Early Education and Development. In November of 1978, the deans and four faculty members met with the Cuban minister of higher education and a delegation of Cuban academic and government officials to discuss higher education in the United States and Cuba, and to consider the possibility of faculty and student exchanges.

## New Physical Facilities

The 1979 Legislature approved a \$7.4 million appropriation for the planning, construction, and furnishing of a new facility to house the Department of Vocational and Technical Education. The new building will be located on the St. Paul Campus and will combine under one roof the Department's academic divisions and its Minnesota Research and Development Center. Groundbreaking is scheduled for the spring of 1980; building completion is expected in 1981.

## Enrollment Statistics

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

	Fall 1975			Fall 1976			Fall 1977			Fall 1978		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Baccalaureate	616	998	1,614	607	972	1,579	519	979	1,498	427	820	1,247
Adult Special	140	331	471	313	494	807	316	487	803	334	406	740
Master of Education	143	256	399	112	266	378	84	221	305	61	227	288
Collegiate Total	899	1,585	2,484	1,032	1,732	2,764	919	1,687	2,606	822	1,453	2,275
Graduate School Students	--	--	1,110	--	--	1,042	--	--	1,010	--	--	1,007
GRAND TOTAL	--	--	3,594	--	--	3,806	--	--	3,616	--	--	3,282

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	
	1975-76	1976-77	1977-78	1978-79
Undergraduate	1,829.17	1,780.02	1,821.05	1,684.54
Graduate	677.80	633.63	591.13	546.13
GRAND TOTAL	2,479.34	2,413.65	2,412.18	2,230.66

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

## Summary

As the College strives to maintain and seek ways of improving the quality of its programs and services, it is, like other institutions, deeply impacted by trends resulting from tightening economic conditions in higher education. One such trend is a decrease in the hiring of tenure-track faculty to fill vacancies created by retirement or resignation. Two tenure-track faculty were hired for the 1978-79 academic year, and although the number of such faculty (approximately 180) remained fairly constant from Fall 1976 through Fall 1978, 10 who left the College at the end of 1978-79 were not replaced for the following year--representing a decrease of 5.5 percent.

## GENERAL COLLEGE

Jeanne T. Lupton, Dean

Personnel--Professor David L. Giese served as Acting Dean until March, 1979, when Professor Jeanne T. Lupton became Dean.

Policy, curriculum, programs--Arts, Communication, and Philosophy Division (ACP) offered special sections of courses in communication skills (Commanding English) for non-native speakers of English in spring, 1979. Science, Business, and Mathematics Division (SBM) had Paralegal program and Co-op program evaluated by outside teams, expanded mathematics program involvement in retention program, began updating and restructuring of two-year Marketing Certificate program, and began development of Professional Sales program. In Social and Behavioral Sciences Division (SBS), expanded Human Services Generalist program had regularly appointed director (for the first time), Day Community adolescent treatment program had faculty director (also for the first time), and Certificate in Aging Studies program was sent to HECB for its review. All three teaching divisions developed and team-taught a 13-credit "package" course in Conflict Resolution.

Organization--Position of Assistant Dean for Student Affairs was eliminated in spring, 1979, resulting in Counseling and Student Development Division (CSD) Head's reporting directly to college Dean. Acting Director of HELP Center also began reporting directly to Dean. Positions of Assistant Dean for Internal Affairs and Assistant Dean for External Affairs were eliminated, with duties being dispersed among several administrative assistants. Position of Associate Dean was created. Division Heads moved to "A" appointment, with appropriate additions to their responsibilities as directed by the Dean.

Research and outreach--Several CSD faculty conducted and published research on such topics as counseling, student achievement and retention in the open-door college. SBM continued involvement with Math Anxiety program in CEW and Nurse Anesthetist program in CEE. SBS was one of 12 departments on campus to participate in pilot of Student Course Information Project. Fredric Steinhauser was granted a single-quarter leave to gather data on origins in Germany of residents of New Ulm for use in his classes.

Special events, publications, etc.--A series of reports by Evelyn Hansen (ACP) on GC baccalaureate programs was cited in ERIC Clearinghouse on Higher Education. Terence Collins (ACP) and John Romano (CSD) wrote Study Survival Kit (June, 1978), which has been cited in ERIC Clearinghouse and in Chronicle of Higher Education, been requested by over 150 persons, and been used in at least two orientation programs elsewhere. Romano also received American Personnel and Guidance Association Research Award for 1979 (only one award is granted annually for most outstanding research in the field). Dennis Hower's (SBM) book, Wills, Trusts and Estate Administration for the Paralegal, was published by West (St. Paul). SBM faculty were very active in local conferences



and workshops in Cooperative Education and Minnesota Association of Field Experience Learning. Thomas Brothen and William Hathaway (both SBS) presented reports at 5th International Conference on Improving University Teaching, held in London. Other SBS faculty served as consultants for new classroom texts. Forrest Harris (SBS) was invited to the White House for briefing on foreign policy and domestic issues. Dean Lupton participated as panel member on AGLS (Association for General and Liberal Studies) program in Washington, D.C. College prepared initial draft of Mission and Planning document, requested by central administration.

Physical Facilities--Science and mathematics faculty of SBM moved from Folwell Hall to new facilities in Elliott Hall. Plans for remodeling of Nicholson Hall continue; we still await approval of request for additional necessary funds.

Enrollment statistics--

1977-78

	<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
Men	1578	1413	1247
Women	<u>1300</u>	<u>1191</u>	<u>1102</u>
Total	2878	2604	2349

1978-79

	<u>Fall</u>	<u>Winter</u>	<u>Spring</u>
Men	1434	1323	1175
Women	<u>1284</u>	<u>1172</u>	<u>1063</u>
Total	2718	2495	2238

GRADUATE SCHOOL  
Warren Ibele, Dean

No report submitted

## LAW SCHOOL

Carl A. Auerbach, Dean and Professor of Law

Personnel. Carl A. Auerbach, Dean of the Law School since 1972, submitted his resignation in December of 1978, to become effective June 30, 1979.

Enrollment: There were 1,345 applicants for the class entering in September, 1978, as compared with 1,320 in 1977 and 1,268 in 1976. The size of the entering first year class remained the same as in previous years, 250 students. There was a total Law School enrollment of 723. The proportion of women enrolled was 41%, a continuation of the upward trend started in the fall of 1972, when 16% of the first year class were women.

Faculty. Victor Kramer, of Georgetown University Law Center, Washington, D. C., was Visiting Law Alumni Professor in the Fall Quarter of 1978.

On June 30, 1979, there was a total of 32 full time teaching members of the faculty, not including the dean, associate dean, or director of the law library.

Curriculum. Increased sections of trial practice were offered--from three sections in 1977-78 to ten sections during 1978-79. Also, the use of videotaping in trial practice classes were started.

Research. Professor Charles Wolfram was awarded a John K. Fesler Research Fellowship for the summer of 1979.

The William B. Lockhart Lectures. The 1979 William B. Lockhart Lectures were delivered by Joseph L. Rauh, Jr., a senior partner in the Washington, D. C., law firm of Rauh and Silard. His lectures were entitled, "Undemocratic Unions--Their Consequences."

COLLEGE OF LIBERAL ARTS

Fred E. Lukermann, Professor and Dean

Personnel: The University Regents on August 11 approved Fred E. Lukermann, Professor of Geography, as Dean of the College. Lukermann assumed his duties on September 1. Frank Sorauf, his predecessor as dean, returned to his position as Professor of Political Science.

Arturo Madrid, Associate Professor of Spanish and Portuguese, was approved as Associate Dean for Humanities and Fine Arts, succeeding Sidney Simon, who returned to his position as Professor of Art History. John Webb, Professor of Geography and Associate Dean for Social Sciences, was appointed acting Associate Dean and Executive Officer of the College. In February, Madrid became Associate Dean and Executive Officer; Gerhard Weiss, Professor of German, was appointed acting Associate Dean for Humanities and Fine Arts; Webb continued serving as Associate Dean for Social Sciences.

Policy: The Bachelor of Individualized Studies, approved spring, 1978, was put into effect, and the first candidates were accepted for it.

The Bachelor of Music degree was approved for professional programs in music, replacing and enlarging upon the BFA in performance.

Women's Studies was approved as a permanent, regular department-like program.

Classical Civilization was approved as a regular, continuing major program.

The College approved 36 new minors, under the legislation passed in spring, 1978, which authorized such arrangements for the first time in over ten years.

The College Committee on Undergraduate Education (the "Chambers Committee") was appointed by the Dean and began its work in January, 1979. It released an interim report in May, 1979.

The College discontinued approving for credit toward its degrees particular courses taught by departments not in the (functional) College of Liberal Arts, at the same time doubling, to 16, the number of credits BA candidates could take among any courses offered in the University. These new procedures were to go into effect fall, 1980.

Student Scholastic Conduct procedures were modified, regularizing procedures for handling allegations of misconduct and meshing them with the University Student Behavior Code.

Research: While the actual number of proposals submitted by College faculty for funding through grants and contracts decreased from 166 the preceding year to 161 this year, the percentage awarded increased from 37.7% last year to 38.3% this year. As of May 31, 1979, monies received and/or spent for research and training reached \$7,286,049. Research and training grants and contracts thus accounted for approximately one quarter of the entire College budget for the year.

College faculty were awarded eight Guggenheim Fellowships, more than any other liberal arts institution in the United States. The eight Guggenheim fellows were: Anwar Chejne, Frederick Cooper, John Kareken, David Kopf, Samuel Krislov, Richard Leppert, Stuart Schwartz, and Roberta Simmons.

Other major awards were received by Robert Holt, James Jenkins and J. Bruce Overmier, Neil Bracht, and Robert Leik and John Clark.

Special Events: Jacob Neusner, Professor of Religious Studies at Brown University, was appointed Hill Professor in Near and Middle Eastern Studies; Arthur Ballet, Professor of Theatre Arts, was named director of theatre programs for the National Endowment for the Arts; Phyllis Freier, Physics, Richard Martin, Communication Disorders, and John Munholland, History, received the 1979 CLA Distinguished Teacher Awards, and Stuart Schwartz, History, won the All-University Horace T. Morse-Amoco award for distinguished teaching; Sara Evans, History, published Personal Politics: The Roots of Women's Liberation, the Civil Rights Movement and the New Left.

Enrollment Statistics:

	<u>Fall, 1976</u>	<u>Fall, 1977</u>	<u>Fall, 1978</u>
Men	8,755	8,324	8,312
Women	8,465	8,303	8,524
Total	17,220	16,627	16,836
Percentage men	50.8%	50.1%	49.4%

Fall 1978 was the first time the College enrolled more women students than men, and it appears this trend will continue in the near future.

## SUMMER SESSION

Willard L. Thompson, Director

Policy -- While there were no policy changes, in response to the Study Group on University Outreach, the University Committee on Summer Session began discussions of ways in which "inloading" of instruction in the Summer Session might be achieved. To further these discussions, deans of major collegiate units were asked to designate a person from their respective offices to serve on a Summer Session Planning Council. This group met once in the spring and will continue to meet at the call of the Director of the Summer Session.

Special Events -- Highlight of the 1979 Summer Session was INTERPLAY '79, an experimental interdisciplinary course involving 16 academic units from throughout the University and seven major arts organizations in the community. Designed to explore the interrelationships between the humanities, the arts, the social sciences and the sciences, the course enrolled more than 300 students, including a large number of persons of all ages from throughout the community who took the course for enrichment only. Students attended "mini-courses" taught by distinguished professors from the 16 departments, as well as concerts, performances, exhibitions and lectures mounted by the professional arts organizations which included the Children's Theatre Co., Minnesota Dance Theatre, Guthrie Theatre, Minnesota Orchestra, Minneapolis Institute of Arts, Walker Arts Center and the University Gallery. The course was supported in part by a grant from the National Endowment for the Humanities, and local foundations.

The Summer Session serves a special role in the life of the University in meeting student needs that aren't met in the regular academic year, and in serving those students for whom study on campus is only possible in the summer. Among the many special programs in the 1979 Summer Session were the Lake Itasca Biology Session that attracted students from many major colleges and universities throughout the nation, the language study program in Munich, Germany, the Minnesota History Workshop for teachers which was offered in cooperation with the Minnesota Historical Society, the High School Music Honors program that brought more than 100 talented high school musicians to campus for study and performance, the SPAN program that sent students to four foreign nations for summer study, and many others.

### Enrollments --

	1978 Summer Session	1979 Summer Session
Women	9,949	10,187
Men	<u>10,010</u>	<u>9,776</u>
TOTALS	19,959	19,963

The above enrollments are unduplicated; that is each student is counted only once although he or she may have enrolled in both terms of the Summer Session. The above enrollments are for the Twin Cities campus, for the Duluth campus and for the Morris campus. As can be seen from the above figures, enrollments remained constant. However, the reduction in credit hours generated was 3.8 per cent. This decline is in line with those being experienced in the summer sessions of major institutions nationally, and would seem to indicate a trend that will be continued.

In a very real sense, the Summer Session, while it does accommodate to needs of summer only students, does serve as a fourth quarter for the University. This was underlined once more in the 1979 Summer Session when 69.63 per cent of students enrolled were those who had attended the University in the preceding academic year. This percentage was up from the 67.42 per cent in the 1978 Summer Session.

Summary -- Summer Session at the University of Minnesota continues as among the largest in the nation. Despite the success it has achieved in serving students it continues to be plagued by problems of funding, being dependent almost wholly on tuition income for its support. In the 1979 Summer Session, tuition generated all but 12.5 per cent of the \$3,575,316 budget.

As a consequence of this, in a very real sense, faculty who teach in the Summer Session subsidize the University. Teaching loads are heavier than in the academic year; there is a maximum on salaries which in the 1979 Summer Session disadvantaged all faculty who earned more than \$21,900 in the regular academic year; and there are no payments toward retirement on instructional salaries paid in the Summer Session. Repeated efforts to obtain additional legislative funding to eliminate these disparities have proved unsuccessful.

INSTITUTE OF TECHNOLOGY

Roger W. Staehle, Dean

PERSONNEL: Roger W. Staehle replaced Walter H. Johnson as dean of the Institute of Technology on Feb. 1, 1979. Paul A. Cartwright, assistant dean for student affairs, retired June 30, 1979, after 37 years as a faculty member. David A. Storvick, professor of mathematics, accepted the position of associate dean for academic affairs.

POLICY: A B.S. degree in statistics was offered for the first time by the institute. The qualifications for graduating with distinction and high distinction were changed to 3.5 and 3.8, respectively. ROTC designator course credits, except those certified as suitable by the appropriate academic departments, can no longer be used to fulfill the institute's 24 credit liberal education requirement.

ORGANIZATION: Four new positions were added to the dean's staff: James R. Johnson, director, technology and public policy; Margaret A. Lulic, director, public affairs; Martha A. Roth, director, publications; Bruce P. Anderson, director, development.

RESEARCH AND OUTREACH PROGRAMS AND SPECIAL EVENTS, BY DEPARTMENTS:

Aerospace Engineering and Mechanics: The department was among the top 10 departments of its kind in the nation. Abraham Berman received the Horace T. Morse-Amoco Foundation Award for "outstanding contributions to undergraduate education."

Agricultural Engineering: James Moore was elected technical director, structures and environment division, American Society of Agricultural Engineers. Curtis L. Larson was elected director, north central region, American Society of Agricultural Engineers.

Architecture and Landscape Architecture: The department was among the top 10 departments of its kind in the nation. Leonard Parker received the following awards for his contributions in designing the new law school building on the west bank: Committee of Urban Environment Award; Honor Award, Minnesota Society American Institute of Architects; and Honorable Mention-Energy Conservation Award, Owens Corning Fiberglass Corporation. Valerius Michelson and Leonard Parker were elected to the College of Fellows, American Institute of Architects, for outstanding contributions to the architectural profession. J. Stephen Weeks and Gregory Nook are studying detention facility design with the Minnesota Department of Correction. The Apple Two, an interactive computer resource, was purchased. The Camp Wilder project, to develop conceptual design for 30,000 s.f. of enclosed space on 980 acres of land near Stillwater, was completed as a cooperative venture of camp staff, architecture faculty, and engineering faculty. Milo Thompson and Alfred W. French began a research project, "Faribault: Planning for the Future," to determine impact of new directions in energy planning on future planning and design for the city. The school cosponsored a lecture series with Walker Art Center and MSAIA on "The New Wave of Japanese Architecture." Walter Netsch and Philip Lewis were Hill Foundation visiting professors. A memorial fund was established in memory of Walter F. Vivrett, who died in spring 1979.

Students Michael Gordon and Mark Forbes placed first and third, respectively, in the national Paul Rudolph Three Dimensional Modular Housing competition. Noted guest lecturers included Ian McHarg, head, Landscape Architecture, University of Pennsylvania; William Johnson, dean, School of Natural Resources, University of Michigan; and William H. Whyte, journalist and noted author of The Organization Man. A \$10,000 grant from the National Endowment for the Arts was used to complete an intensive study of the St. Croix River Valley, a combined study by the school, the Resources and Community Development Program, and the University of Wisconsin. The Lowertown Project was also a collaborative effort that included the school, the University of Wisconsin, and the Lowertown Redevelopment Corporation. Three students received student grants from the Landscape Architecture Foundation to film a movie entitled "Wildlife in the City."



Astronomy: Butler Burton became the new department head. Other new staff were Lawrence Rudnick and J.M. Van Der Hulst as assistant professors; Frank Ghigo as postdoctoral research associate; and Robert Landau as research associate. Regents' Professor Edward P. Ney was elected to the American Academy of Science. The Automated Plate Scanner, originally built by W.J. Luyten, has been the focus of a major undertaking lead by Roberta M. Humphreys and Robert Landau to increase its effectiveness in analyzing astronomical photographic plates.

Chemistry: Bryce Crawford received the 1978 Ellis R. Lippincott Award for significant contributions to bivibrational spectroscopy and was elected to a four-year term as home secretary, National Academy of Science.

Chemical Engineering and Materials Science: The department was among the top 10 departments of its kind in the nation. Kenneth Keller became the new department head. Rutherford Aris was named Regents' Professor. Louis Toth was elected president, Twin Cities chapter, American Association of University Professors, the first member of IT to hold this office in the last 20 years. The Chemical Engineering building was renamed AMUNDSON HALL in honor of Regents' Professor Neal Amundson, who was with the University 35 years, 25 of which he served as head of this department. Ken Keller was elected president, American Society of Artificial Internal Organs.

Civil and Mineral Engineering: J.K. Tylko, vice president and director of research, Plasmatech, Inc., gave a seminar on plasma systems, accepted a position as a part-time visiting professor, and supervised the establishment of the Plasma Technology Laboratory in the Mineral Resources Research Center. Kenneth J. Reid presented his paper, "Direct Steelmaking Based on Solid-Plasma Interactions," to the Congressional Office of Technology Assessment Seminar on "New Techniques in Steelmaking." Student Gregory Clifford received an award from the James F. Lincoln Arc Welding Foundation for his entry in the foundation's national 1978 Student Engineering Design Competition. The Mineral Resources Research Center was designated as a Mining and Mineral Resources Research Institute, pursuant to Title III of the Surface Mining Control and Reclamation Act. For the 40th anniversary of the St. Anthony Falls Hydraulic Laboratory, a symposium was held on fluid mechanics research in water resources engineering. As part of the GREAT I study of the Upper Mississippi River system, the Laboratory conducted a study of the sediment deposition from the Chippewa River in the Mississippi above Lake Pepin to determine methods of controlling this siltation which often interferes with barge traffic during spring runoff. The Underground Space Center published a book Earth-Sheltered Housing Design: Guidelines, Examples, and References, which has sold more than 100,000 copies. The Center conducted a Code and Financial Study, to determine the impediments to the greater use of earth-sheltered housing; an Energy Performance Monitoring Project in earth-sheltered homes; and an Interactive Computer Graphics Heat Loss Modeling Project. The Center sponsored a conference on "The Practical Aspects of Earth-Sheltered and Underground Housing and Construction" and seminars on "Design and Construction of Earth-Sheltered Housing" and "Policy, Taxes, Codes, and Regulations and Earth-Sheltered Housing."

Electrical Engineering: Philip I. Cohen joined the staff as assistant professor. R.F. Lambert was elected honorary member, Architectural Acoustical Society of America. Otto Schmitt was elected to the National Academy of Engineering. Keith Champlin was voted IT Outstanding Teacher for 1978-79 by the IT Student Board. An Aldert van der Ziel Day and Conference were held in tribute to his 45 years in electronics. Otto Schmidt was inducted into the Minnesota Inventors Hall of Fame. An informal conference on "Physical Electronics: Reminiscences and Departures" was given in honor of W.G. Shepherd upon his retirement. An international research program with the Technical University of Budapest was established; directed toward joint research on the computer control of industrial processes; K.S.P. Kumar is principal investigator on the U.S. side. The Center for Plasma Chemistry was established for basic studies in equilibrium and nonequilibrium of gaseous plasmas, an interdepartmental group including chemistry, mechanical engineering, chemical engineering and materials science, and electrical engineering, with H.J. Oskam as coordinator. The Center of Acoustic Imaging and Signal Processing was established under the direction of Rolf Mueller to develop the acoustic microscope under sponsorship of the NSF and obtain general results related to acoustic tomography including the unique use of a laser scanning

system. A second international joint project with the Technical University of Warsaw and the Center for Control Science at the University of Minnesota was started, studying control system design techniques for energy transport.

Geology and Geophysics: Fred Swain retired; is continuing his work at the University of Delaware; was appointed to the Planetary Biological Advisory Panel, American Institute of Biological Science. Strathmore Cooke, professor emeritus, received a citation from the Society of Mining Engineers for "outstanding service to the mining industry and to society"; also received the Robert H. Richards Award for mineral dressing. New staff at Minnesota Geological Survey: Val Chandler, scientist; Mark Jirsa, assistant scientist; Gary Meyer, junior scientist; S.S. Goldrich, adjunct professor of geology. Four awards, totaling \$1,106,000, were made to the Survey by the Legislative Commission on Minnesota Resources.

Mathematics: Willard Miller became the new department head. New staff include Carlos Kenig, assistant professor; Maury Bramson, assistant professor; and Sidney Webster, associate professor. Warren S. Loud received the IT Alumni Society Outstanding Teacher Award for "exemplifying the goals that all good teachers strive for." As part of the Nestor M. Riviere Lectureship, A.P. Calderon from the University of Chicago spoke on "Calculus of Pseudo-Differential Operators"; a conference on harmonic analysis took place the following day.

Mechanical Engineering: The department was among the top 10 departments of its kind in the nation. New staff included Max Donath as assistant professor. Emil Pfender received from the Federal Republic of Germany the Senior U.S. Scientist Award (Alexander Von Humboldt Award) in recognition of his accomplishments in research and teaching. Richard J. Goldstein received the Heat Transfer Memorial Award for outstanding contributions to the field through teaching, research, design, or publications. Goldstein was also elected a fellow of the American Society of Engineers and president-elect of the Society of Sigma Xi, University Chapter. E.M. Sparrow received the ASEE Ralph Coats Roe Award for excellence in instruction of engineering students. Thomas E. Murphy was elected director, SAE Board of Directors. Edward A. Fletcher was elected chairman, central states section, Combustion Institute. Arthur G. Erdman was named ASME's Young Mechanical Engineer of 1978. The ASME Design Engineering Conferences were held in Minneapolis with Arthur G. Erdman as conference chairperson, assisted by Don Riley, William Kleinhenz, and Darrell Frohrib; included the 15th Biennial Mechanisms Conference, the 3rd Biennial Design Technology Conference, and a student conference. William A. Kleinhenz received the 1979 George Taylor Service Award for his contributions to public service and undergraduate education. The department's Lecture Series included Chang-Lin Tien, University of California at Berkeley; Sheldon Friedlander, University of California at Los Angeles; and Ferdinand Freudenstein, Columbia University. Noted research projects, under the direction of E.M. Sparrow, were on wind-related losses from a flat-plate solar collector by employing the naphthalene sublimation technique, and melting and freezing processes that are involved in the storage of thermal energy by liquid-solid phase change.

Physics: New staff included Ken Heller and Oriol Valls as assistant professors. John Winckler received the Henryk Arctowski Medal of the National Academy of Sciences for "studies of solar activity changes of short and long duration and their effects upon the ionosphere and terrestrial atmosphere." Morton Hammermesh was elected a fellow of AAAS and is a member of the publications committee of IUPAP. Konrad Mauersberger received the George Taylor Research Award of IT for contributions to the betterment of mankind. Ben Bayman won the 1978 IT Student Board's Outstanding Teacher Award. Noted research included Dietrich Dehnhard's "Nuclear Structure Studies" with the EPICS spectrometer at the Los Alamos Meson Physics Facility, which continued to explore the interactions of protons with nuclei; Konrad Mauersberger and A.O.C. Nier's mass spectrometer measurements of the earth's stratosphere, upper atmosphere, and the atmosphere of other planets and comets; and Allen M. Goldman's superconductivity research, i.e., work with Josef's injunction technology, related to the development of sensitive magnetic devices and advanced systems, which has spurred additional work with UNIVAC and the Control Data Corporation.

GENERAL INFORMATION:

Richard C. Jordan was appointed to the newly established Solar Energy Research Institute University Advisory Panel. Officers of the IT Advisory Council were elected: Willis K. Drake, president and board chairman of Data Card Corporation, as chairman; John A. Yngve, president of Nortronics, Inc., and a former member of the Board of Regents, as first vice chairman; and Charles M. Denny, Jr., president of Magnetic Controls Company, as second vice chairman.

IT PLACEMENT INFORMATION:

The IT Placement Office reported record number of companies visiting the campus in 1978-79: 320 companies recruited (a 40% increase over the previous year), providing 800 recruiters conducting approximately 8,000 student interviews.

ENROLLMENT STATISTICS:

The total enrollment in the Institute of Technology during the 1978-79 school year was 4,702 students, 594 of whom were women, as opposed to 1977-78 figures of 4,531 total students, 519 women.

BUILDING EXPANSION:

During its 1978 session the Minnesota Legislature appropriated design and working drawing funds for a proposed \$16.5 million, 150,000-square-foot building for Civil & Mineral Engineering.

## UNIVERSITY COLLEGE

James H. Werntz, Director

A four-year process of review and revision culminated during 1978-79 in adoption of a new University College Constitution designed to strengthen the College's relationships with other units of the University.

The revised Constitution was drafted by a committee comprising representatives of the UC Assembly and the Senate Committee on Educational Policy; it was then reviewed and recommended by the Assembly, SCEP, the University Senate, and the Office of the Vice President for Academic Affairs. The Board of Regents approved the Constitution in February 1979.

Among the changes in the new Constitution: the title of "dean of University College" is replaced by "director," the college is linked more closely with the Office of the Vice President of Academic Affairs by being placed administratively within the Center for Educational Development, faculty representation on the UC Assembly is strengthened, and a committee of the Assembly is created to meet annually with the Academic Vice President to make recommendations concerning inter-collegiate and experimental education at the University.

The UC Assembly, reorganized under the new Constitution, was chaired by Richard Goodrich, professor of animal science. It met four times; important actions included approval of the Experimental Programs Committee's plans to solicit new experiments and approval of plans for review of the Inter-College Program.

The Inter-College Program, a student-designed, credit-based degree program requiring course work from at least two colleges of the University, moved its office into three adjacent rooms in 213 Temporary North of Appleby. The move allowed division of different functions into different space. Several steps were taken to maintain the quality of ICP advising services in the face of increased enrollment and limited staff. First-step advising sessions were instituted during spring 1979 to give prospective students general information about ICP in a group setting and to determine whether ICP is appropriate for them. A major review of ICP began during 1978-79, using a protocol similar to that used by the Graduate School and College of Liberal Arts for departmental reviews. Fall 1978 day-school enrollment was 178, up by 32 percent over the previous fall. Just over half were women.

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 1978-79, 21 students registered for 155 credits; this total is 16 percent lower than for the previous year.

As part of its mission, University College houses experimental programs. During the year, four programs continued as UC experiments.

The Foreign Studies Program integrates preparation and foreign study with undergraduate major concentrations. During the year, the program moved from pilot to experimental stage, and joined with the foreign studies advising function of

the College of Liberal Arts located in the Quigley Center of International Studies. The program received approval as a minor by the College of Liberal Arts. Thirty students were enrolled in the minor as of April 1979; 400 students received general foreign study advising during the year.

The Students' College, a Duluth-based experiment, allows undergraduates to participate in administration and delivery of human services. Organized into three programs--Human Resources Bank, Free UniverCity, and Internship Program--students register for credit as negotiated with faculty advisers. The program was in transition during 1978-79. It received partial financial support from UC and was housed in the Office of the Vice Provost for Academic Administration at Duluth prior to becoming a program administratively housed in Duluth's College of Education in 1979-80. There were 464 student registrations for a total of 1,560 credits, an increase of 8 percent in registrations and 35 percent in credits earned over the previous year.

The University Scholars Program allows a student and faculty adviser to construct the last two years of a baccalaureate degree program around individual educational goals and learning experiences. The program continued to operate at a low profile, and studies were begun to determine the future of the program. At year end, one student was beginning the program, four were nearing completion, and fourteen had graduated.

University Without Walls, a flexible degree program for the mature self-directed learner who does not have access to traditional college programs, devoted major efforts during 1978-79 to addressing significant recommendations made during a review process that began in 1977. At year end, the University Senate recommended that UWW, established as an experiment in 1971, be granted full program status within University College. Among significant changes in UWW: faculty participation was strengthened through creation of a faculty-dominated Policy Council to oversee academic policy and through creation of the position of faculty director, revised graduation criteria were approved by the Policy Council and UC Assembly, and revised admissions criteria and a comprehensive model for assessment of prior learning were considered by the Policy Council. The Twin Cities campus UWW program enrolled an average of 188 students per term during 1978-79; the Morris campus program enrolled an average of 8 students per term. About half are women.

The college undertook a number of evaluation activities during the year. These included a study of how UC program advisers utilize their time, a background report on the University Scholars program, an evaluation of advising services in the Inter-College Program, and a survey of graduates of the Experimental College, an experiment phased out in 1978. The college also took part in the College Outcomes Measures Project, a nationwide project to measure the outcomes of programs in higher education. Students from UC, CLA, and the General College were invited to take an exam designed to measure students' abilities in several areas, in an effort to evaluate the exam.

Faculty member Mischa Penn continued his appointment in University College while also serving as Adjunct Associate Professor in the Department of Anthropology. Professor Penn taught five courses.

University College experienced an 8.4 percent retrenchment in its 1978 recurring budget allocation; nonrecurring funds remained stable. Total expenditures for 1978-79 were \$311,166.

## UNIVERSITY COMPUTER SERVICES

Frank Verbrugge, Director

During the 1978-79 fiscal year a leased Cyber 171 was installed at Duluth to replace the Control Data 3200. A Control Data 3200 located on the West Bank was discontinued and replaced by a remote job entry station.

A major programmatic effort related to coordination of micro-computer utilization at the University continued. Two systems were selected (Terak and APPLE II) for major emphasis. Users were encouraged to select either of these microcomputers for their own use with the assurance that software support and engineering support would be available.

## UNIVERSITY LIBRARIES--TWIN CITIES

Eldred Smith, Director

During 1978/79, the University Libraries continued their effort to deal effectively with constraint. Basic services were expanded and basic operations were strengthened. The automation program was expanded and reorganized. Acquisition leveled off precipitously from the previous year, falling behind inflation once again. This reflects a continuing problem for the University Libraries that is primarily related to our biennial funding pattern. During 1978/79, the University Libraries experienced continued retrenchment as a part of the University's internal reallocation process. The Libraries continued their efforts to reshape and reutilize resources more effectively. Further steps were taken to strengthen the library administration.

The major administrative appointment made in the University Libraries during 1978/79 was the appointment of Richard Newman as Director of Library Systems. Previously, systems development in the University Libraries has been carried on within the Bio-Medical Library, primarily supported by federal grants. With the securing of a major state allocation for automation of the Twin Cities Libraries (approved the previous year but implemented in 1978/79), the library system's program expanded, refocused from one department to the Libraries as a whole, and shifted from a research-oriented to an implementation-oriented program. This mandated the restructuring of this activity to a separate departmental status and the securing of a first-rate individual, with appropriate background, to lead it. This was accomplished with Mr. Newman's appointment in April of 1979. The other major administrative change that occurred during this year was the resignation of H. Maria Patterman as Director of the St. Paul Campus Libraries. Charlene Mason, previously Assistant Director of St. Paul Campus Libraries, assumed the responsibilities of acting director while a search was conducted.

The major budgetary improvement was a substantial increase in state funding for automation, which was identified in last year's report. Although approved last year, the funds actually became available in 1978/79. Acquisition support increased by only one percent - well behind the significant and growing inflationary rate for library materials. This is characteristic of a long-standing pattern of funding in this area, whereby major increases are secured in the first year of a biennium, with only marginal increases occurring in the second. This creates a distressing situation of fluctuating purchasing power, which causes particular problems for a research library, over half of whose materials purchases are journals, serials, and other continuations. Steps must be taken to correct this situation.

During 1978/79, the University Libraries-Twin Cities budget was retrenched by approximately \$55,000 as part of the University's internal reallocation. Retrenchments such as this, of course, exacerbate already severe difficulties in maintaining and improving services and operations. Concurrently, the Libraries continued their efforts to reshape their human resources along the most appropriate cost-effective lines. Consequently, the professional staff was reduced by three percent, the career support staff was reduced by one percent, while student staffing (the most flexible and least expensive staffing) was increased by twelve percent.

Basic library services and operations continued to expand and improve during 1978/79. Circulation increased by ten percent. Annual service hours (the total hours that all of our service points are open during the year) increased by four percent. Cataloging productivity increased by three percent. The collection showed an overall growth of five percent, with major percentage increases in audio visual materials, microforms, and manuscripts. The growth rate for volumes - the basic component of our collection - continued at three percent annually.

During 1978/79, ground was broken for a major expansion and renovation of the St. Paul Campus Central Library. When complete, this will result in a facility with more than twice the previous assignable square footage. Other improvements will include the proper environmental conditions for collections, significantly improved environmental conditions for clientele and staff, and a much more attractive and usable total facility. With this increase in space, we will be able to bring all St. Paul Campus Central Library collections out of storage and should be able to provide space for collection growth - at present rates - until the year 2000. This will, however, require finishing a basement area that will remain unfinished with the present renovation. This will probably have to be done in approximately ten years.

In conclusion, the following should be emphasized. The primary problem for the University Libraries-Twin Cities continues to be the achievement and stabilization of the acquisitions budget at an effective level. The primary problem, now, has become the need to insure that necessary increases are achieved in each year of each biennium. Otherwise, it is clear that the Libraries will have to address new and expanding operational and service needs, now and into the foreseeable future, through internal reallocation and reutilization of resources. Continued efforts will go forward in this direction, which includes the further strengthening of the administrative and planning structure of the University Libraries-Twin Cities.



UNIVERSITY PRESS

John Ervin, Jr., Director

Books Published: The University Press published 32 books during the year, of which 22 were new titles issued only in hardcovers, 4 were new titles published simultaneously in hardcover and paperback editions (for a total of 8 books in this simultaneous category in terms of formats), and 2 were titles which appeared for the first time in a paperback format, having previously been published in hardcovers only.

Major Publications: Among works published were the following: in the scholarly and professional area, IMPERIALISM IN THE 20th CENTURY by A. P. Thornton, NUCLEAR PHYSICS IN RETROSPECT: PROCEEDINGS OF A SYMPOSIUM ON THE 1930's edited by Roger H. Steuwer, MINNESOTA STUDIES IN THE PHILOSOPHY OF SCIENCE, Volume 9: PERCEPTION AND COGNITION, edited by C. Wade Savage, MARK ANTONY: A BIOGRAPHY by Eleanor G. Huzar, THOUGHT, FACT, AND REFERENCE: THE ORIGINS AND ONTOLOGY OF LOGICAL ATOMISM by Herbert Hochberg, THE RISE OF SURGERY: FROM EMPIRIC CRAFT TO SCIENTIFIC DISCIPLINE by Owen H. and Sarah D. Wangenstein, INFECTIOUS DISEASES: PREVENTION AND TREATMENT IN THE 19th AND 20th CENTURIES by Wesley W. Spink, Two volumes in the MIDWEST STUDIES IN PHILOSOPHY, edited by Peter A. French, Theodore E. Uehling, Jr., and Howard K. Wettstein, A CONCISE INTRODUCTION TO THE PHILOSOPHY OF NICHOLAS OF CUSA by Jasper Hopkins, EXCAVATIONS AT NICHORIA IN SOUTH-WEST GREECE, Volume 1, edited by George Rapp, Jr., and S. E. Aschenbrenner (William A. McDonald, series editor). In the instructional category, TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES: SUBSTANCE AND TECHNIQUE by Betty Wallace Robinett. In the general category, CLONING: A BIOLOGIST REPORTS by Robert G. McKinnell, A HISTORY OF SCANDINAVIA by T. K. Derry, VOYAGEUR COUNTRY: A PARK IN THE WILDERNESS by Robert Treuer, NORWAY TO AMERICA: A HISTORY OF THE MIGRATION by Ingrid Semmingsen, translated by Einar Haugen, WORDARROWS: INDIANS AND WHITES IN THE NEW FUR TRADE by Gerald Vizenor.

Honors: CHOICE, published by the Association of College and Research Libraries, selected three University of Minnesota Press titles in deciding on 509 outstanding academic books from a total of 6,683 reviewed in its volume year: A. P. Thornton's IMPERIALISM IN THE 20th CENTURY, published during the fiscal year under review in this report, and two books published earlier, Leo Kuper's THE PITY OF IT ALL: POLARISATION OF RACIAL AND ETHNIC RELATIONS, and Robin M. Williams' MUTUAL ACCOMMODATION: ETHNIC CONFLICT AND COOPERATION.

<u>Earned Income:</u>	<u>Fiscal 1978-79</u>	<u>Fiscal 1977-78</u>	<u>Percentage change</u>
Sales income	\$747,958.68	724,094.21	+3.3
Subsidiary rights income	<u>51,444.77</u>	<u>52,816.75</u>	-2.6
Total, earned income	\$799,403.45	776,910.96	+2.9

New Series: Plans were made during the year for the establishment of the following series: Theory and the History of Literature, edited by Wlad Godzich and Jochen Schulte-Sasse (Press editor, Lindsay Waters); a continuing medical education series, edited by David M. Brown, Pediatrics and Laboratory Medicine, Douglas Fenderson, Continuing Medical Education, Harry Hogenkamp, Medical Biochemistry, John M. Murray, Department of Medicine, and Richard Abel, University Press (Press editor, Richard Abel); and a series on Nordic culture and society (Press editor, John Ervin, Jr., advised by an international board of Nordic specialists).

COLLEGE OF VETERINARY MEDICINE

B. S. Pomeroy, Acting Dean

Personnel. Dean S. A. Ewing resigned from the College on January 1, 1979. Dr. B. S. Pomeroy was named acting dean January 1, 1979, to January 1, 1980. Dr. R. H. Dunlop was designated dean on June 12, 1979, to take office on January 1, 1980.

Policy--Curriculum Modification. Revised curriculum went into effect fall quarter 1978. Goals and objectives of the curriculum revision are outlined in the 1974-76 Biennial Report.

Special Events. H. C. H. Kernkamp Lecture, January 16, 1979. Given by Dr. Charles Helmboldt, Professor Emeritus, University of Connecticut, Storrs, Connecticut. Title: Problems in Avian Histopathology. Public Health Conference for Veterinarians on May 2, 1979.

New Physical Facilities. The 1979 State Legislature in May, 1979, appropriated \$13.6 million for new construction (Phase II of the College building program), including a small animal clinic and hospital and remodeling areas in the Veterinary Hospital and the Veterinary Science Building.

Enrollment Statistics. D.V.M. program:

Fall 1978

Women	124
Men	<u>193</u>
Totals	317

Statistics reflect an increase of only 6 students over fall 1978; proportion of women increased from 35% in fall 1977 to 39% in fall 1978.

Summary. Appropriation of construction money for Phase II building and remodeling is highly significant for the future of the college. It will result in expansion and modernization of facilities, both of which are necessary to accommodate the present numbers of students and to educate professional and other students effectively and efficiently. The program will also increase the research capacity of the college. A trend of additional significance to the college is the increase in research funding of 9.6% over the 1977-78 fiscal year.

## DIVISIONS OF ADMINISTRATION AND PLANNING

Robert Stein, Vice President

Included in this annual record are the Office of the Facilities Coordinator, Emergency Preparedness, and the Planning Council. Submitting separate reports are Personnel, Men's Intercollegiate Athletics, Women's Intercollegiate Athletics, the University Police and the Office of Equal Opportunity and Affirmative Action.\* All of these units report to the Vice President for Administration and Planning.

### Office of the Vice President

In addition to activities related to departments reporting to the Vice President, a number of special assignments were handled by him. These included: involvement with planning for the Hubert Humphrey Institute, a review of University admissions policies in light of the Bakke case, implementation of the position of the Regents and the administration with respect to faculty collective bargaining, and advice to the President and the Regents about issues arising from major pending litigation.

### The Planning Council

The Planning Council was responsible for advice to the President with respect to the initiation and planning cycle which involved statements of goals, objectives, and priorities for each of the major academic and non-academic units of the University. The cycle included linkage of planning to the resource allocation processes as well as advice on improvements in the latter.

### Office of the Facilities Coordinator

The coordinator's monitoring of all University athletic facilities continued. Responsibility for the athletic equipment room for men's and women's intercollegiate athletics was added to the duties of the director.

### Office of Emergency Preparedness

Planning and technical assistance in the area of preparation to meet natural and manmade disasters continued in the 1978-79 year without major changes.

---

\*The Office of Equal Opportunity and Affirmative Action reports directly to the President, but maintains a liaison relationship with the Vice President of Administration and Planning.

DEPARTMENT OF MEN'S INTERCOLLEGIATE ATHLETICS

Paul Giel, Director

Personnel: Several position changes resulted at the coaching level during the past academic year. Most of our football staff, including head coach Cal Stoll plus assistants John Coatta, Dick Moseley, Roger French, Paul Olson and Tim McGovern left the University staff. They were in turn replaced by head coach Joe Salem (Minnesota '61) and assistants Mike Shanahan, Jim Clements, Pat Lavin, Pat Morris and Dan Runkle. Members of the previous staff retained were Bruce Vandersall, Cal Jones and George "Butch" Nash.

In basketball Stu Starner, a graduate assistant, left and was replaced by Dick Lien.

We regret to report the loss of a legend in Minnesota athletics as Richard "Chief" Siebert, head baseball coach at Minnesota for 31 years, passed away in December, '78. He was replaced by George Thomas who had served as an assistant coach to Siebert the past seven years. John Anderson (Minnesota '77) was named assistant coach.

Special Events: The biggest highlight of the academic year in question was the winning of the school's third National Collegiate Athletic Association (NCAA) hockey championship at Olympia Stadium in Detroit, MI. Our Golden Gopher hockey team finished its season with the best record in school history (32-11-1) by defeating New Hampshire 4-3 and North Dakota 4-3 to win Minnesota's third national ice hockey championship in the last six seasons.

In addition, gymnastics coach Fred Roethlisberger led his varsity team to its fourth consecutive Big Ten gymnastics championship, and later saw his team finish seventh at the NCAA Championships.

The Gopher hockey team also won the 1978-79 Big Ten championship en route to its national title, while the best finishes in conference competition included third place finishes in wrestling, cross-country and tennis.

Individual Honors: Senior hockey defenseman Bill Baker from Grand Rapids, MN, not only received All-America honors, but was also named recipient of the University of Minnesota Conference Medal of Honor. The latter award is granted each year to the individual student-athlete who best exhibits excellence in both the classroom and intercollegiate competition. Mr. Baker was a Williams Scholar and was accepted to the University of Minnesota Dental School during his senior year.

However, Mr. Baker and seven teammates of our 1979 NCAA Championship hockey team, took a year off to join the U. S. Olympic Hockey Team. Besides Baker, also on the national squad were seniors Phil Verchota and Steve Janaszak, juniors Steve Christoff, Eric Strobel and Rob McClanahan, and freshman Mike Ramsey and Neal Broten. All the above, incidentally, are Minnesota natives.

All-Big Ten selections for excellence in their respective sports included: (Football) Marion Barber, Stan Sytsma, Keith Brown; (Basketball) Kevin McHale; (Baseball) Tom Hall; (Golf) Tom Lehman.

Individual conference winners included: (Gymnastics) Kevin Prady, All-Around; (Wrestling) James Martinez, 134-pounds, Dan Zilverberg, 158-pounds; (Tennis) Mike Trautner and Ted Kauffman won the #1 doubles.

Mr. Zilverberg went on to finish runner-up at the NCAA Championships. Minnesota finished seventh at the national meet.

Summary: Looking at the entire picture, Minnesota was again among the Big Ten leaders for all sports. That statement lends further backing to Mr. Giel's original statement when he assumed his present position of athletic director. Mr. Giel said at that time: "My main goal in joining the University of Minnesota Men's Athletic Department staff is to insure that we maintain a consistent, well-rounded program."

DEPARTMENT OF WOMEN'S INTERCOLLEGIATE ATHLETICS

Vivian Barfield, Director

The Patty Berg Development Fund, with the help of the Gamma Phi Beta Alumnae of the Twin Cities and numerous community volunteers, raised \$70,000 to provide scholarships for 75 women student-athletes in 1978-79. Annual events, such as the Berg-Bolstad Golf Outing, Wine and Cheese Festival, SportsMania, and the University Jogathon, continue to grow. In addition, contributions from individuals and corporations increased. Individual gifts to the fund totaled \$11,000 for 1978-79, and corporations and foundations contributed an additional \$12,000. The goal for 1979-80 is \$116,000.

The field hockey team produced a record of 20-5-1, one of the best for a women's team in 1978-79. They finished third at the MAIAW State Championship.

The cross country team won four invitational victories, the MAIAW State Large College Championship, and fifth place at the AIAW Region 6 Championship.

The golf team was the first women's team to win two consecutive Region 6 crowns. Kathy Williams was the medalist, and Lisa Kluver the runner-up. The team finished 26th at the AIAW National Championship.

The volleyball squad had a 58-14 dual meet record, and won the Minnesota and Iowa Invitationals. They won their second consecutive MAIAW State Championship and finished third at the AIAW Region 6 Championship.

Another AIAW regional winner was the swimming and diving team, which also had 10 individual winners. They had a 5-1 dual meet season and several invitational wins. Two swimmers and two divers represented Minnesota at the National Championship; Cindy Anderson won her fourth all-American honor by placing eighth in the 50-yard backstroke.

The basketball team finished the season at 17-15, winning their second consecutive MAIAW State Championship and hosting the AIAW Region 6 Championship. They participated in the National Women's Invitational Tournament, where they won the consolation championship (fifth place).

The gymnastics team won six tournaments and a fourth consecutive MAIAW State Championship. They had a 4-3-1 dual meet record, and finished seventh at the AIAW Region 6 Championship. Denise Rivet represented Minnesota at the AIAW Nationals.

The tennis team won its second consecutive AIAW Region 6 Championship and a fourth consecutive MAIAW State Championship. They had a 20-5 dual meet record and finished in the top 25 at the AIAW National Championship. Four players competed in individual competition.

The softball team earned a 25-8 record and an MAIAW State crown. After finishing third at the AIAW Region 6 Tournament, three Gophers were selected to try out for the Pan American Team.

The track and field team won two invitationals and placed well in several others. They finished fourth at the AIAW Region 6 Championship, and Rocky Racette represented the team at the AIAW National Championship.

During 1978-79, the largest crowd ever for a volleyball game (12,942 people) gathered in Williams Arena to watch a match between the Japanese and U.S. National Women's Teams, sponsored by the Women's Athletic Department.

A 13-minute film done on the department by a local film company was cited for special merit by the Council for the Advancement and Support of Education, and a departmental brochure prepared by Women's Sports Information was judged second best in the nation at the annual Sports Information Convention. Dr. Barfield brought Minnesota to international attention when she authored an article "Women in the International Sports Scene" for the 1979 International Sport Summit Review.

Personnel changes in the department included Barbara Stowe as fund-raising coordinator, Leah Wollenburg as head trainer, and Tom Byrd as assistant sports information director.

UNIVERSITY PERSONNEL DEPARTMENT

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

No report submitted.

UNIVERSITY POLICE DEPARTMENT

Eugene W. Wilson, Chief

Effective July 1, 1979, all police officers in the State of Minnesota are required to be licensed. This includes all University police officers. Standards for licensing were established by the Minnesota Police Officers Training Board, which includes a program of continuing education as a condition for renewal.

The final draft of revised traffic and parking regulations was submitted to the Board of Regents for review. The draft also included new bicycle regulations and represents over a year and a half's effort by the Office of Physical Planning, the University Attorney's Office and student interns.

A police precinct office was established on the St. Paul Campus on a 24-hour basis to fulfill additional needs for service created by new construction and the resulting changes in streets and traffic patterns. The Commonwealth Housing Community has also urged that additional police service be provided for the St. Paul Campus.

Present authorized sworn personnel is 57 officers and 38 part-time student guards. The student guards provide building security and assist in the crime prevention program. They also function as alarm system monitors in the complaint room and dispatch desk.

Study and planning are in progress for a safety escort service provided by the police department utilizing student monitors. Students, staff and faculty have expressed a growing concern for the personal safety of persons traveling in the campus area during late hours. This service would augment our current efforts in crime prevention education.

Copies of the department's annual report are available upon request.

## DIVISIONS OF FINANCE

Donald P. Brown, Vice President

PERSONNEL. Clinton T. Johnson, assistant vice president and treasurer, was made associate vice president and treasurer on Aug. 1, 1978.

With the ever growing need for retrenchment, along with the continuous inflationary trends, it is necessary for all service units to develop better ways of doing things, and this can be accomplished by greater automation efforts as well as employee training programs.

The Health, Education and Welfare auditors questioned \$34,000,000 of effort certification reports and cost transfers involved in the University's administration of its research contracts and grants for the two-year period 1974-76. The director of research administration and his staff provided a voluminous amount of data during the year that finally resulted in a settlement with the agency of about \$400,000.

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, 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. Major new systems were under development in the areas of student registration, payroll, and personnel records including affirmative action. 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 1979 the Office of Investments and Cash Management was involved in a number of changes and modifications in operating policy and procedures including:

Arrangement, through the securities custodian First National Bank of Minneapolis for physical storage of its endowment fund and Group Income Pool stocks and bonds at Depository Trust Company in New York City. The use of this central depository will save considerable sums of money related to shipping of securities, with ease of delivery on purchases and sales an additional factor.

Preparation for securities lending activities, approved by the Regents in September 1979. Additional revenues for the University are to be derived from lending securities through an authorized agent to broker/borrowers.

Continuing modification of our outside investment manager arrangements for endowment funds toward a "balanced" approach to investments by each manager.

MANAGEMENT PLANNING AND INFORMATION SERVICES. 1978-79 was a year of active work on planning and budgeting. In addition to staff support in several Planning Council areas, MPIS staff were active in the production of the budgeting proposals of the Linck and Brown Committees and in the production of the 1979-80 budget plan using the approach recommended in the report of the Linck Committee.



At the request of the Planning Council, MPIS was at work, in the latter part of the year, on the production of a data book to be used as a common reference for budgeting, planning, and other activities; completion of the first round was scheduled for fall quarter.

The MPIS undergraduate enrollment projection model performed well during the year and work continued on adding additional modules to it. At the same time work is well advanced to extend the student preference matrices to treat the UMD colleges and various categories of graduate enrollments separately.

Other activities involved salary equity studies, legislative session support, analysis of the influence of federal funds on Minnesota spending and employment, cost and staffing studies, work on optimal location of institutions and programs, and on incentive methods in higher education.

PATENTS. A revised University Patent Policy was approved by the University Senate on May 17, 1979, after review and recommendation by the Senate Committee on Research. A Regents Patent Subcommittee has reviewed and approved the proposed policy, but presentation to the Board of Regents has been delayed pending a determination of possible relevance of a cease and desist order by the Bureau of Mediation Services. The revised policy was developed by the University Patent Committee chaired by Dr. W.G. Shepherd. The present policy was adopted by the Regents in 1962.

TREASURER'S OFFICE. In the University Treasurer's Office reconciliation and preparation of the outstanding check lists are still being prepared by hand. However, programming is now being prepared that will enable the outstanding check lists to be processed by our Data Center with the final reconciliation with the bank balance to be done by computer. This should cut down considerably the tedious copy work now necessary to reconcile. It is hoped that the new program will be ready by spring of 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 added responsibility for the Office of University Property/Casualty Insurance. The functions of these offices are an addition to the University Attorney's function to provide legal advice to the governing board, administration, and staff and to coordinate the services of retained counsel.

CONTROLLER'S OFFICE  
Glenn Smith, Controller

Organization A forms management program for all Business Administration forms was initiated. A Forms Management section was established February 1, 1979.

Summary Requirements for a student Accounts Receivable system were identified and work on the program continued. Work on a Purchasing/Accounts Payable system also continued.

## DEVELOPMENT AND ALUMNI RELATIONS

Robert J. Odegard, Associate Vice President

Personnel. John C. Whaley was appointed director of Development on August 15, 1978. Stephen W. Roszell was named director of the Minnesota Alumni Association and Department of Alumni Relations April 25, 1979.

Organization. The Minnesota Alumni Association and the University of Minnesota Foundation moved to combined quarters in 100 and 120 Morrill Hall, April 30, 1979.

Events. More than 1,000 alumni took part in a preview exhibition of "The Art of Russia 1800-1850" at the Landmark Center. Nearly 300 alumni participated in activities at the Minnesota Zoological Garden. The 75th Anniversary dinner was attended by 410 alumni and featured a style show by classes and the Lucy Gibbs Hamel family with the largest number of lineal, living alumni. Minnesota magazine received a national award. 212 attended the Presidents Club dinner.

Membership. The alumni association membership reached 19,935, a record.

Fund Raising. The University of Minnesota raised \$34 million and ranked sixth in the nation.

## OFFICE OF PHYSICAL PLANNING

Clinton Hewitt, Assistant Vice President

Personnel: Mr. Eugene Kogl, University Building Official, retired after 31 years of University employment. Mr. John Byrd, resigned as Director, Space Programming and Management.

Policy: No major change.

Organization: Effective January 1, 1979, the Division of Engineering and Construction was reassigned to the Assistant Vice President for Support Services and Operations.

Research and Outreach: Not-Applicable.

Special Events: None.

Facilities Relocation: Department of Interior Design moved from 356 Elliott Hall to 530 Johnston Hall and Department of Space Programming and Management moved from 530 Johnston Hall to 423 Johnston Hall.

Enrollment Statistics: Not Applicable.

### Summary:

- A program of building inspection of smaller projects at all University locations, along with more formal plan review was initiated with additional staff.
- Completed the University Area Short Range Transportation Program report.
- Completed a Physical Education, Intercollegiate Athletics, Recreational Sports Needs Study.
- Completed draft of the Mississippi River Critical Corridor Area Study.
- Completed construction of Phase I of the Phillips-Wangensteen Building. The existing structure consists of 375,000 gross square feet of finished area and 205,321 gross square of shell space.
- Completed construction of Phase II of the Phillips-Wangensteen Building. This project provided space for Hospital Medical Records, Business Office, Accounting, and OPD Administration in addition to the Department of Ophthalmology research and departmental space.
- The Surgical Pathology remodeling project in the Jackson/Owre/Millard/Lyon Complex was completed.

- Completed a Residence Hall at the Waseca Campus to house an additional 64 students.
- Completed storm sewer system at the Northwest Experiment Station, Crookston, Minnesota.
- Completed the construction of an office, meeting and laboratory facility at the Southern Experiment Station, Waseca, Minnesota.
- Completed Health Sciences Library Addition at the Duluth Campus.
- Completed the construction of an Agronomy and Plant Genetics Greenhouse on the St. Paul Campus.
- Completed Phase IV of converting Primary Electrical System on the St. Paul Campus from 4 KV to 13.8 KV.
- Completed the Law School Building on the West Bank, Minneapolis Campus.
- Completed the Studio Arts Annex on the West Bank, Minneapolis Campus.
- Completed the watermain and fire protection project from St. Marie Street to the Medical School area on the Duluth Campus.
- Constructed watermains at the St. Paul Campus.

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

With continuing inflationary trends and retrenchment programs, improvement in productivity must be sought constantly through training, scheduling, technological alternatives evaluation, methods and systems review, data analysis, and expense control.

Comprehensive annual reports of significant activities and statistics, organization chart and table of organization, five-year projection, and five- and two-year projected goals were prepared by Support Services division directors and are on file in the office. An updated brochure is available to anyone desiring more information about the office.

University Housing. The director of housing resigned near the close of the year to accept a position in private industry; a replacement has not yet been hired.

The trend in residence hall demand continued, with early applications, a waiting list, few summer cancellations, and full occupancy for the start of school.

The residence halls rate committee, composed of housing administrators and staff and residence hall student representatives, considered many facets of the rate structure. Final rates approved for the coming year included increases for uncontrollable cost escalation and additional amortization relating to Pioneer and Bailey Halls, reflected adjustments for relative worth in facilities and accommodations and rate acceptability levels to insure maximum occupancy throughout the housing system. Rate increases approximate the average for other Big Ten universities.

Based on results of a pilot program in spring, decision was reached to install a computerized system for controlling food costs through precosting and menu flexibility in the Minneapolis campus residence hall food services.

The final half of the Pioneer Hall rehabilitation project was completed after delay resulting from labor union strikes. Similar delay occurred in this construction year for the 200-bed addition to Bailey Hall on the St. Paul campus.

A new judicial model for all halls was created to increase consistency in adjudication of complaints and give students a fair hearing below the level of the Campus Committee on Student Behavior.

Food Services. The Earle Brown Continuing Education Center food facilities, "Buy the Weigh" in Coffman Union, and air conditioning of the Coffman cafeteria became operational this year. Planning and development for additional food service facilities for University students, staff, and guests were directed toward Earle Brown dining expansion, Phillips-Wangensteen development, and Business Administration Building-addition planning. St. Paul Dining Center operations continued to suffer from demolition-construction projects at the Student Center; Snack Bar operations were limited as a result of a temporary move during expansion.

New racking in the Food Stores substantially increased storage capacity. Modifications in systems and operations were instituted as a forerunner to the computerized inventory/billing planned for installation in the coming year. The Milk and Cream Department operation continued to be evaluated relative to a "make or buy" decision.

Bookstores. The new St. Paul campus bookstore, which will replace the Coffey Hall store, is expected to be ready next year with the completion of the Student Center project.

Transportation. The first Big Ten Meeting on Transportation Operations was hosted by the University of Minnesota. Topics of discussion included parking, transit, flight operations, and vehicle rental and maintenance.

Areas were identified for parking of vehicles with license plates or State of Minnesota cards designated for handicapped persons, in response to state and federal requirements. Enforcement was assigned to the University Police Department.

Printing Services. All requests for printing services received by the Purchasing Department are now routed through the Printing Department for review of specifications for completeness to obtain competitive bidding and minimize problems in production. Any

increase in volume in the University plant that could result through contact with departments will lower University rates through greater utilization of machinery and personnel.

University Bindery new services in the year included the addition of specialized copying of theses as an adjunct to thesis binding, and printing of diplomas from type set by the Printing Department. Book restoration and conservation are being studied for feasibility as a future service.

The storage addition to the Printing Building for bulletins provides a single location for storing college catalogs. Study continued on conversion from plates to computer labels for addressing. The first of a planned annual Big Ten Mailing Conference for discussion of common problems was held at the University of Michigan.

Central Mail List Services has developed to the point where a larger amount of time is needed for maintenance of current user records than for addition of new lists. A feasibility study of technology in alternative methods to provide for continued growth and program enhancements applicable to user needs is under way.

Technical Services. Decision was reached to move Scientific Apparatus Service from Diehl Hall to Space Science Center in late 1979, to accommodate a biomedical learning resources center. A video link is planned for installation between the new shop and Phillips-Wangensteen Building. Increased transportation of staff and work is anticipated because of the remote location in relation to the major users in the medical area.

The Minneapolis campus is without a central Electronic Instrument Service since the move in July 1978 from the former Health Science K-E Building to the Biological Sciences Center in St. Paul. The present facility is undesirable because of overcrowding and inconvenience.

Under reorganization coordinating University Laundry and Hospital Linen Service, efficiencies were realized in scheduling, staffing, equipment management and planning. Modernization programs under study include lint filters, heat recovery system for tumblers, new washers, waste water and heat reclamation system for washroom, monorail for handling material on the production floor, and a cart exchange system.

Physical Plant Maintenance and Operations. Engineering and Construction and Architectural Design were reassigned to Physical Plant as a separate division from Building Systems and Operations, each headed by an associate director. A management accountability program was implemented for key personnel.

Energy reduction programs resulted in seven buildings added, and further contracts awarded, for the Systems Automation Center, replacement with energy saving lamps, and selective conversions to more efficient voltage.

Central heating plants continued to increase the use of coal as a primary fuel. However, due to the inability of the largest boiler to burn coal and unavailability of natural gas during the coldest periods, over two million gallons of oil were burned.

In continuing development of the Grid-ICES program, contracts for sale of steam to St. Mary's and Fairview Hospitals and Augsburg College and for sale of electricity to Northern States Power were negotiated.

Construction of the low B.T.U. coal gasifier at Duluth was completed in November 1978; testing for equipment problems and learning the operations has been under way. Gas and by-product oil should eliminate dependence on natural gas and fuel oil without expensive air emission control equipment such as baghouses on boilers.

Physical Plant efficiency improvements are anticipated through management decisions based on recommendations from several private consultants.

DIVISIONS OF HEALTH SCIENCES

Lyle French, Vice President

No report submitted



SCHOOL OF DENTISTRY  
Richard C. Oliver, Dean

1. Changes in Organization

A Constitution was adopted by the School of Dentistry on April 2, 1979 by vote of the full-time faculty. The principal features of the Constitution are the provision for departmentalization and the formation of councils for administration and for the faculty, students, and civil service staff. The Council of the Faculty, composed of all full-time faculty and four student representatives, has the responsibility of approving the requirements for admission of students, the curriculums, selection of studies, graduation of students, and the establishment of criteria for appointments, promotion, and tenure of the faculty. As permitted in the Constitution, the School was organized into 13 departments and three research programs in biochemistry, microbiology, and physiology.

2. Changes in Curriculum

Starting with the 1978 entering first-year dental class, the D.D.S. curriculum was modified so that once again there will be a formally scheduled fourth-year to provide a better pace for the students and to free time for selective and elective courses.

3. Outreach and Research Programs

- a. A comprehensive outreach program was developed to bring continuing education courses to dentists, dental hygienists, and dental assistants in their communities. The initial outreach program offers numerous separate lectures and 54 courses including self-instructional packages using video cassettes and slide/tape collections.
- b. In addition to this structured outreach program, the faculty participated extensively in giving many scores of lectures by invitation to dental and other professional groups throughout the United States and in foreign countries. Further, the faculty extended its outreach services through hundreds of consultations via phone calls, letters, personal communication with professionals who came to the School or who were visited in other institutions, and from evaluation of patients referred to the School for consultation.
- c. The Continuing Dental Education Department had its most productive year in history with 62 courses being offered for 2,871 participants.
- d. At a time of decreasing financial aid for research and research training, the School of Dentistry had a significant increase in support in 1978-79 over 1977-78 and continued its productive efforts in fundamental and clinical research.

4. Special Events and Achievements

- a. The School held another off-campus retreat with the task of further development of short and long-range goals. Later a long-range plan for the School of Dentistry was submitted to the President describing 21 goals and 74 objectives for future development.
- b. A second annual all-day alumni-student seminar was sponsored by the School of Dentistry Alumni Society featuring Dr. James Pride of the University of the Pacific speaking on the topic "Designing and Equipping the Modern Dental Office".
- c. During 1978-79, the faculty published over 160 articles, chapters in textbooks, and abstracts.

- d. A major Dental Careers Day was held April 28, 1979 with some 70 lectures, displays, exhibits, and demonstrations presented for over 300 prospective students and visitors.
- e. Since 1966, the School has received federal funds under different programs and eligibility requirements to provide essential support for the operation of its D.D.S. program. The last fund called the Capitation Grant was started in 1972, reached its peak in 1974, and began a decline in support in 1975 and was likely to be phased out in 1980-81. With this downward trend in support and almost certain phase-out, it was essential to receive replacement funds from the Minnesota Legislature. This was achieved in-part in 1979 so that the School is no longer receiving the uncertain funds from the Capitation Grant. Even with these replacement funds, the School of Dentistry, like other University units, began facing serious financial problems which will require organizational and program changes to help offset the problems. One facet of these changes was the decision to reduce the enrollment in dental hygiene from 150 to 100 entering students for the G.D.H. degree starting fall 1979.

5. Enrollments

Year	Dentistry	Dental Hygiene 2-Year	Dental Hygiene B.S.	Dental Assist. 2-Year	Dental Assist. B.S.	Graduate Dental Specialties	Graduate Basic Sciences & Non-Specialties
	M W <sup>a</sup>	M W	M W	M W	M W	M W	M W
1976-77	538-44	5-266	1-32 <sup>b</sup>	0-59 <sup>c</sup>	0-3	48-3	23-1
1977-78	529-56	3-259	1-38 <sup>d</sup>	0-51 <sup>c</sup>	0-2	41-6	16-2
1978-79	515-68	0-221	3-29 <sup>e</sup>	0-34 <sup>c</sup>	0-3	38-8	13-3

- a. M = men; W = women
- b. 21 F-T and 12 P-T (1 man)
- c. Includes first-year (mainly General College courses) and second-year (mainly School of Dentistry courses)
- d. 14 F-T and 25 P-T (1 man)
- e. 15 F-T (2 men) and 17 P-T (1 man)

6. Summary

In 1978-79, the real and potential declines in financial aid posed serious questions and issues for the School of Dentistry. Faced with financial deficits and for good academic and management reasons as well, Dean Richard C. Oliver led the School in completing short and long-range goals and objectives for future development, departmentalization of the School, and implementation of other organizational changes leading to a more efficient and cost effective operation. Difficult deliberations were held and decisions made on the need for enrollment declines in dental hygiene, but these were offset by planning and implementing major increases in continuing educational offerings including outreach programs for students and practicing professionals.

MEDICAL SCHOOL

N. L. Gault, Jr., Dean

No report submitted

SCHOOL OF NURSING  
Inez G. Hinsvark, Acting Dean

Personnel. Dean Irene G. Ramey died on June 28, 1979. Inez G. Hinsvark was named acting dean and a search for a new dean was initiated.

Policy. The School of Nursing adopted a constitution which was subsequently approved by the Board of Regents. Work was started on the Bylaws. A long range planning document with priorities for achievement was developed and approved by the School of Nursing. The professional undergraduate program is in the process of revision. Workshops have been held for possible revisions of the curriculum.

Organization. A full time coordinator for clinical agencies was appointed. A consultative committee was established as a part of the new constitution.

Research and Outreach Programs. The 5 year federal grant for improving the research environment in the School of Nursing was completed and report made. Research support has increased from \$34,961 in 1974 to \$271,427 in 1979. The Outstate Master's program was funded via a State Special and is being conducted in the Rochester and Duluth areas.

Special Events. A research symposium was held in April in collaboration with Alumni Day. This will become an annual event.

Continuing Education offers contemporary, challenging and flexible learning experience in both credit and non-credit formats. Programs are presented throughout the State to maintain and improve the quality of professional nursing practices and patient care. A Continuing Education program, "Cultural Diversity and Health Care" attracted over 100 nurses and other health care professionals and earned national recognition as an outstanding extension program.

Dr. Virginia Garret was recognized as an outstanding alumnae at the annual meeting of the School's alumni.

The Journal Club was instituted to share scholarly activities of students and faculty.

Enrollment Statistics.

Fall 1976				Fall 1977			
Undergraduate		Graduate		Undergraduate		Graduate	
Men	Women	Men	Women	Men	Women	Men	Women
32	419	5	123	38	420	5	161
451		128		458		166	

The undergraduate enrollment has been stabilized over the past ten years at 450-465. The graduate enrollment has been increasing during this same period. The increase in graduate enrollment is due to the new outstate program with offerings of the core courses in Duluth, Rochester and St. Cloud.

Summary. The School of Nursing is in a state of growth seen by the other schools in the Sixties. The baccalaureate program continues to have three eligible applicants for each admitted student. A new research center for nursing developed with federal funds provided a surge of research activity. A Long Range Plan for the School will guide its activities for the next ten years.

## COLLEGE OF PHARMACY

Lawrence C. Weaver, Dean

POLICY: During the past year there has been a study of single degree vs. two degree system. In order to establish a position, retreats involving practitioners and educators were held. In June the House of Delegates of the Minnesota State Pharmaceutical Association voted to support a single, professional Doctor of Pharmacy degree program. Following the annual meeting of the American Association of Colleges of Pharmacy where a continuation of the two degree system was supported, the Faculty of the College voted to move to a single Pharm.D. program starting with the 1981-82 academic year.

ORGANIZATION: Professor Hugh F. Kabat, Assistant Dean for Professional Education, became the acting director of Graduate Studies in Hospital Pharmacy and acting director of the Professional Practice Unit.

RESEARCH AND OUTREACH PROGRAMS: College faculty obtained considerable research money from grants during this period. Thirteen College of Pharmacy faculty members, (Mahmoud Abdel-Monem, Ph.D.; Yusuf Abul-Hajj, Ph.D.; James Cloyd, Pharm.D.; Patrick Hanna, Ph.D.; C. Anderson Johnson, Ph.D.; Hugh F. Kabat, Ph.D.; Edward Krenzelo, Pharm.D.; Herbert Nagasawa, Ph.D.; Philip S. Portoghese, Ph.D.; Clayton Rowland, Ph.D.; Robert Vince, Ph.D.; Lawrence Weaver, Ph.D.; Albert I. Wertheimer, Ph.D.) had a total of 20 grants, with Dr. Cloyd, Dr. Kabat and Dr. Vince each having two grants and Dr. Abul-Hajj and Dr. Portoghese having three. Total grant money received by the thirteen faculty members during the year was \$708,608.00

The Drug Information Service Center developed a computerized data base listing of the DISC and Hazeldon Foundation Library holdings. The data base, DRUG INFO, is available through Bibliographic Retrieval Services, a national data base vendor.

SPECIAL EVENTS: Professor Aubin Hendryckx (M.S., pharmaceutical chemistry, 1953), shared his experiences with the college faculty during a visit to the College of Pharmacy, which was highlighted by his meeting with the medicinal chemistry faculty. Professor Hendryckx is the dean at the State University of Ghent (Belgium) as well as the director of the University Hospitals Clinical Toxicology Laboratories.

David Angaran, Assistant Professor, Director of the Professional Practice Unit, spent fall quarter, 1978 in Manchester, England as a Geigy Visiting Professor at the University of Manchester School of Pharmacy.

Philip S. Portoghese, Professor and head of the Department of Medicinal Chemistry, synthesized a long-lasting narcotic antagonist that appears to bind covalently to opiate receptors. The compound was named chlornaltrexamine (CNA).

Mahmoud Abdel-Monem, Ph.D., co-authored a book with James G. Henkel entitled "Essentials of Drug Product Quality: Concepts and Methodology".

Darwin Zaske, Pharm.D., won a Certificate of Merit for a scientific display at the annual meeting of the American Medical Association entitled "Individualized Gentamicin Therapy based on Pharmacokinetic Analysis".

Albert I. Wertheimer, Ph.D., was appointed chairperson of the American Association of College of Pharmacy International Pharmacy Education Congress Planning Committee.

Edward Krenzelo, Pharm.D., was appointed chairman of the Department of Professional Education for the National Poison Center Network.

Dr. Mohan Heble of the Atomic Research Center, Bombay, India, received a National Research Council International Atomic Energy Fellowship to conduct research at the College of Pharmacy for one year.

Robert Vince, Ph.D., was selected as the 1979 recipient of the Phi Kappa Phi Scholar of the Year Award at the University of Minnesota.

Mrs. Arom Sastravaha from Bangkok, Thailand visited the College of Pharmacy and local hospital pharmacies.

SPECIAL EVENTS (Cont'd): Eight College of Pharmacy students (Deborah J. Anderson, Charles B. Cooper, Cynthia A. Dahl, Mark S. Foster, John C. Koepke, Kathleen D. Lake, Aija R. Liepins, Juanita A. Thelen), were among the students from the Twin Cities campus who received recognition at the University of Minnesota Student Leadership and Service Recognition Dinner.

Professor C.K. Maitai, Fulbright Scholar from the University of Nairobi was with the College for four months.

Albert I. Wertheimer, Ph.D., was appointed to the International Advisory Board of the new journal "International Pharmacy".

Patrick Hanna, Ph.D., was selected as one of seven faculty members from the University of Minnesota to receive the 1978-79 Horace T. Amocco Foundation Award for outstanding contributions to undergraduate education.

Winton J. Christenson was selected by the Pharmacy Alumni Society to be the 1979 recipient of The Distinguished Pharmacist Award.

Frank E. DiGangi, Ph.D., Associate Dean, was named recipient of the Harold R. Popp Memorial Award by the Minnesota State Pharmaceutical Association.

College of Pharmacy faculty who represented the College in other countries during the year, and the respective countries they visited, included: Dean Lawrence C. Weaver, Ph.D., Saudi Arabia, Portugal; Kenneth Nelson, Ph.D., Austria; E. John Staba, Ph.D., Canada, Korea; Yusuf Abul-Hajj, Ph.D., Israel; David Angaran, M.S., England, France; James Cloyd, Pharm.D., Canada; Salvador Pancorbo, Pharm.D., France.

ENROLLMENT STATISTICS: The applicant pool for admission to the Bachelor of Science in Pharmacy program again declined for the class admitted in the Fall of 1978, as it had done for the class admitted in the Fall of 1977. Whereas there were 230 applicants and 123 admissions for the Class of 1980 (admitted in the Fall of 1977), there were 204 applications and 123 admissions for the Class of 1981 (admitted in the Fall of 1978). The Class of 1981 consisted of 68 men and 55 women; the Class of 1980 consisted of 65 men and 44 women.

The B.S. in Pharmacy enrollment for the College for the 1978-79 academic year consisted of 205 men and 142 women, a total of 347 students. This was a decrease of five students from the previous academic year's total enrollment.

Graduating from the B.S. in Pharmacy program between July 1, 1978 and June 30, 1979 were 63 men and 41 women, a total of 104 (as compared to 110 graduates in 1978) graduates.

The applicant pool for Fall 1978 admission to the Doctor of Pharmacy (Pharm.D.) program decreased slightly from the previous year's. There were 106 applicants for admission in the Fall of 1978, a decline from the 120 applicants for the class admitted in the Fall of 1977. Fifteen men and nine women were chosen for the Pharm.D. Class of 1980.

Doctor of Pharmacy degree graduates for the 1978-79 period numbered eleven men and four women.

Total graduate school enrollment of the College of Pharmacy for the 1978-79 academic year was 79.

NEW PHYSICAL FACILITIES: Remaining funding for Unit F, the Pharmacy/Nursing facility, was realized and ground breaking ceremonies were held in the fall of 1978. Excavation and construction of the facility was initiated during this academic year.

SUMMARY: Professor Taito O. Soine, Professor of Medicinal Chemistry, died suddenly on October 22, 1978 while on a hunting trip near Virginia, Minnesota.

SCHOOL OF PUBLIC HEALTH  
Lee D. Stauffer, Dean

Policy--Curriculum Modification. Occupational Health courses were added to the environmental health, epidemiology, and public health nursing curriculums, as the result of the establishment of the Occupational Safety and Health Educational Resource Center within the School in 1977.

The School began offering a two-year graduate training program which combines traditional environmental health courses with intensive biometry and epidemiology training to provide an integrated approach to public health problem solving.

A new Independent Study Program for Directors of Education and Training Coordinators in Health Care Institutions was funded by the W.K. Kellogg Foundation. The Adolescent Health Training Program, funded by H.E.W., was begun, cosponsored by the School and the Department of Pediatrics in the Medical School.

Organization. Several faculty members from the Health Care Psychology program from the Department of Psychiatry in the Medical School elected to transfer to the School of Public Health effective September 1978. The opportunity for such transfer was announced by President Magrath after a review of the Health Care Psychology Program by an outside site visit team the previous year.

Research Programs. The Center for Health Services Research, which was created by the Health Sciences and administratively placed in the School of Public Health in 1977, continued on many projects ranging from HMO studies to studies dealing with alternate strategies for providing long term care. The Division of Epidemiology continued research projects focusing on a number of chronic diseases (cancer, diabetes, multiple sclerosis, dementia) as well as the relationship of nutrition and occupation to such diseases. Research in cardiovascular disease, risk reduction, exercise fitness, and smoking cessation continued by the Laboratory of Physiological Hygiene locally and as a community surveillance project in outstate areas. The national Multiple Risk Factor Intervention Trial was being continued by the Programs in Biometry and Physiological Hygiene.

Outreach. The Occupational Safety and Health Resource Center continues contacts with agricultural extension safety specialists in the HEW Region 7 as well as Minnesota developing more extensive outreach activities in agricultural medicine and safety. Public Health Nursing has continued outreach activities in occupational health and the nurse practitioner programs. In occupational health, on behalf of the OSHRC, efforts have been in working with baccalaureate programs to include content and experience in occupational health. The practitioner programs (adult and pediatric) have been offered in outstate locations to students residing in rural areas of the state. U.S. and Canadian professionals who are employed full time in long term care, mental health, patient care administration, and hospital administration, as trustees, and as directors of education enroll in the Independent Study Programs in Hospital and Health Care Administration and Health Education.



Special Events. Faculty in the Program in Environmental Health continued the presentation of short courses across the nation on Biohazard and Injury Control in the Biomedical Laboratory. In addition, the Program conducted safety courses for safety managers of federal corrections facilities. The Laboratory of Physiological Hygiene continued involvement in several workshops on coronary heart disease prevention. The Division of Epidemiology continued as host of the Fourteenth Graduate Summer Session in Epidemiology enrolling a record number of professionals from around the world. The Program in Maternal and Child Health conducted monthly seminars which continued to attract audiences from the area and speakers nationally and locally.

Memorial services were held for Dr. J.A. Myers, Professor Emeritus, who died in September 1978, and for Dr. Gaylord W. Anderson, Mayo Professor and Dean Emeritus, who died in January 1979.

New Physical Facilities. Programs of the School began occupying space on the second and third floors of the Mayo Building, which had been reassigned to the School. Funding for the renovation of the space was not included in the final conference committee decisions for the 1979 session of the State legislature.

Enrollment Statistics. 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 1977</u>	<u>Fall 1978</u>
Female	237	286
Male	217	222
	454*	508
	(476)	

\*revised upward because of late Graduate School enrollments

Summary. The School continues to place nearly 80% of its graduates into non-profit public service public health positions. The School manages to do this while receiving only 20 percent of its budget from state resources. The other 80 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 AND CLINICS

John H. Westerman, Director

Policy/Programs. Endorsement by medical staff, management staff, and Board of Governors of National Voluntary Cost Guidelines. Budget adopted by Board of Governors, requiring a 10.8% rate increase, remains within National Voluntary and Minnesota State Rate Review guidelines. Major new programs include expansion of the bone marrow transplant service including consolidation of the program on a dedicated nursing unit; implementation of a decentralized unit-dose pharmacy delivery system; development of an older child intensive care program; introduction of an improved materials handling and distribution system; initiation of a comprehensive risk management program; adoption by Board of Governors of a Cost Concerns Task Force report and management work program.

Outreach Programs. Minnesota Association of Public Teaching Hospitals (a consortium of University Hospitals, St. Paul Ramsey Hospital, Hennepin County Medical Center and the Veterans Administration Hospital) continues cooperative planning efforts; University of Minnesota Hospitals joins national organization of University owned teaching hospitals formed for organizational research purposes; Rural Hospital Co-Operative program expands with addition of full-time management staff and increased clinical service support.

Special Events: Dedication and opening of new ambulatory care center, February-March 1979; Board of Governors Retreat, August 1978, adoption of revised Mission and Goals Statement.

Physical Facilities: Ambulatory Care Center completed, Phillips-Wangensteen building, February-March 1979; Regents approve architectural and consultant selection for \$204,000,000 Renewal Project (bed and related support services replacement) May-June 1979.

Patient Care Statistics.

Admissions:	21,641
Patient Days:	200,071
Length of Stay:	9.2
Outpatient Visits:	194,154
Total Operating Beds	752

Summary. Major programmatic directions: Renewal Project programming, architectural development and financing; expense management; outreach development; University and teaching hospital co-operative planning and programming locally, regionally and nationally.

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 sponsored and arranged for a series of eleven programs in which government officials heard presentations on University research activities. In addition to the usual legislative relations activities, the office supported part-time involvement of a student and a faculty member to assist in legislative relations work.

New Facilities - None

Enrollment - Not applicable.

Summary Much of the effort of this office during 1978-79 related directly to the development and support of the University's requests to the 1979 Legislature. Assuming that details on 1979 appropriations are reported elsewhere, they will not be repeated here. As a general comment, the 1979 Legislature was especially supportive of University research and capital improvement requests, initiating a number of new research programs, and providing funds for over \$50 million in capital improvements. Congressional (Federal) relations activities focused primarily upon the reauthorization of the Higher Education Act, appropriations for student aid and research, and the establishment of a special program for urban universities.

## DIVISIONS OF STUDENT AFFAIRS

Frank B. Wilderson, Jr.  
Vice President for Student Affairs

Personnel. Student Life Studies and Planning Director, Dr. Donald Biggs resigned, August 78, and assumed the position of Director Counselor Training Program, SUNY at Albany. Dr. Forrest Moore was named Acting Assistant to the Vice President for Planning, Personnel and Space Issues. Dr. Donald Zander was promoted to Associate Vice President and assumed the Directorship of Student Life Studies and Planning. Mr. David Anderson resigned as Coordinator of Housing and took a position with a community corporation. Neil Bakkenist, Interim Director of the Special Counseling Office resigned.

Policy Modification or Adoption. A policy for "Batch Release of Information" was approved. Guidelines were adapted for Limitations on Reserve Accounts of Student Organizations. Residence Hall Guidelines for Political Solicitation were put into effect. Guidelines for OSA Involvement in the Student Service Fee Setting Process were approved and used.

Programs and Services Highlights. Internal retrenchment and reallocation was initiated, and used to make decisions on budget and program changes. Special funding requests to the legislature for programs for disadvantaged and handicapped students were successful and became a new program emphasis for O.S.A. The impact of the BAKKE decision on college admissions policies was reviewed with the colleges and formulation of college affirmative action statements begun. The passage of the Middle Income Assistance Act required a sizeable increase in staff in the Office of Student Financial Aid. OSA units provided OSFA units with the full-time equivalent of four loaned staff members to assist the staff of the Financial Aid Office with the influx of student applicants beginning on January 1, 1979. First round planning documents were completed by the six area coordinators and readied for forwarding to the President.

Student Life Studies. During 1978-79 the professional staff engaged in studies of the graduates of the University (Former Student Survey Project), student opinions of student fees, student attitudes toward foreign students, usage of a student union, student drinking habits, attitudes toward MPIRG, citizens' view of UMD, and the impact of work-study financial aid programs.

Handicapped Student Services. During the 1978-79 year, the Office for Student Affairs continued work on developing handicapped student services and carrying out 504 compliance activities in the area of handicapped student access.

A handicapped services biennial request was prepared and submitted to the Legislature for consideration in its 1979 session. The Office for Student Affairs was charged with the responsibility for using the handicapped student funds appropriated to contract subsequently with appropriate student service units to provide direct assistance to handicapped students.

OSA central officers held discussions with the Division of Vocational Rehabilitation (DVR) administration to explore cooperative arrangements that might facilitate mutual efforts to meet 504 compliance obligations.

Negotiations resulted in a contract creating a University of Minnesota-DVR service to eligible students and the development and implementation of a student funding system coordinating DVR assistance and financial aid to DVR clients attending the University.

By coordinating use of a number of temporary funding sources, OSA Handicapped Service staff initiated University interpreter services and strengthened other forms of assistance for students with hearing impairments.

The Handicapped Access/Resource Coordinator revised The Enabler, the handicapped student resource guide, and provided staff support to the University Committee on the Handicapped for its work on long-range handicapped student policy development.

Summary. Greater emphasis was placed on programs for disabled students, handicapped students and prospective students in 1978-79. Four Ethnic-racial Minority Learning Resource Centers were begun stressing importance of retention services to students. A Summer Institute was begun for new minority and disadvantaged students. INROADS--a cooperative venture between colleges of the University and business corporations for enrollment and retention of minority students was given administrative and program support by OSA. These programs and services are recognized as essential to the success of efforts to provide equal educational opportunity.

## 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 University students and many members of the faculty and staff. There were 101,058 visits or 2.7 visits per student for the 1978-79 reporting year. Of the 101,058 patient visits, 52,552 were for general medical care and 48,478 were for care by specialists.

No epidemics or unusual mass illnesses were experienced to overtax facilities during the year. Utilization of Nurse Practitioners in the Acute Care Walk-In Area and in the Gynecology Department have been well-accepted both by patients and the medical staff.

We have increased greatly the number of information sheets about specific diseases which students have found useful to help them understand more about their own health problems. This program has been greatly expanded by the Nursing Services and Health Education Departments' enthusiastic involvement in a "Wellness Program" and a "Wellness Center" which functions in Coffman Union several hours each week.

As Coordinator of University Health Services, the Director of the Boynton Health Service continued to inform Health Service Directors of the coordinate campuses about the regulatory requirements we have to accommodate as we are reviewing our supplemental insurance benefit packages for subsequent years.

Primarily through its medical staff organization, the Boynton Health Service also prepared for an accreditation survey that took place on May 7 and 8, 1979. We are pleased to report that the Boynton Health Service, the first to be surveyed by the Accreditation Association for Ambulatory Health Care has been accredited for a three-year term.

Effective April 9, 1979, a major concern of our medical staff was relieved when the Boynton Health Service was allowed to provide its full-time physicians with direct, individual professional liability coverages paid for by the Health Service on a claims-made basis for \$1,000,000 per occurrence also naming the Board of Regents as an insured of the Policy.

The Boynton Health Service was assigned to Assistant Vice President Barbara Pillinger as the responsible Central Administrator on the Vice President's staff, except for Environmental Health and Safety matters which continue to relate to Associate Vice President Donald Zander.

## HOUSING OFFICE

Personnel. Mr. David Anderson, Director of Housing submitted his resignation as of May 1, 1979. He was not replaced as of June 30, 1979.

Policy. The Residence Halls Visitation Policy, which has been "experimental", was made permanent in 1978-79.

Organization. Reorganization took place, and the Coordinator for Administration's position became the Associate Director of Housing-Residence Halls. The Coordinator for Residence Halls Food Services became the Manager of Residence Halls Food Services.

Research. Dr. Betty Roe published a research article on legal liability in residence hall management. Off-Campus Housing continued to publish research on local market trends in the campus area.

Special Events. Residential Statistics 1978-79

Residence Halls - Men 2,335 - Women 1,978

Faculty Housing - 200 units

Married Student Housing - 781

Off-Campus Placement Contacts - 15,780

New Physical Facilities. Completed  $3\frac{1}{2}$  million major structural renovation of Pioneer Hall. Began work on a 200 space addition to Bailey Hall in St. Paul.

Summary. A majority of time during the year was spent on the major construction projects within the department. Labor disputes and contract problems created serious problems in the Pioneer Hall rehabilitation. At year's end, the problems had been resolved and more attractive, safe housing was available to single students.

## OFFICE FOR MINORITY AND SPECIAL STUDENT AFFAIRS

Phillip Carey, Coordinator

Programs Offered - The highest program priority for fiscal year 1978-79 was the establishment and development of learning resource centers for the minority populations. This process was begun with the establishment of the Juarez/Humphrey Chicano Latino Supportive Services center in August, 1978, followed by the simultaneous inauguration of the American Indian Learning Resource Center and the Black and Asian Learning Resource Center. The latter was intended to serve as a temporary facility until such time as additional space and resources could be procured for the establishment of two separate centers. Another major new program was the Summer Institute, which started with an enrollment of 68 incoming freshmen.

The learning resource centers' primary efforts are concentrated in recruiting, assisting students in completing financial aid applications, certifying students for the program, personal advising, orienting students to the university and the provision of tutoring and other support where necessary. The Summer Institute has as its primary objectives the preparation of incoming freshmen in English and mathematics and the inculcation of suitable study habits. The program also offers an orientation to the university and counseling and tutoring assistance for students in the summer months.

Research - Efforts have been undertaken to systematically evaluate programs within the Office for Minority and Special Student Affairs and research was started on problems facing minority students. Reports and publications issued by this office included: "The Reorganization and Transition of the Martin Luther King Program to the Office for Minority and Special Student Affairs", "Minority Student Programs at the University of Minnesota", "Academic Accountability System", "Coordinated and Integrated Learning: A Holistic Approach for Minority and Disadvantaged Higher Education - A Proposal for Legislative Consideration", The Summer of Seventy-Eight - A Creative Response to Minority Higher Education, "Minority/Disadvantaged Student Support Services: Restructuring and Coordination", and the "Institutional Planning Document".

Special Events - The university-wide first annual "Minority Student Personnel Workshop" was held at the University Arboretum in Chaska on November 30, 1980. Dr. James Baugh, Director of Academic Planning for the University of Wisconsin System, was keynote speaker. (Proceedings of this symposium have been collected and edited and were published in December, 1979, under the title, The Challenge to Succeed.) During Asian/Pacific American Heritage Week in May, 1979, Patsy T. Mink, a former Congresswoman from Hawaii, delivered a lecture on "Asian/Pacific American Heritage Week: Our Past and Future". In conjunction with their heritage weeks, the four student culture centers held conferences or organized social and cultural events.

Phillip Carey published a series of articles under the title of the "Higher Education of Minorities" in the Twin Cities Courier and his article entitled "The Training of Minority Sociologists" appeared in the American Sociological Association publication, Footnotes, in April, 1978. Dr. Baldave Singh, OMSSA Director of Research and Program Evaluation, published a chapter entitled "Measuring Cross-National Ethnic and Racial Inequality: Alternative Perspectives" in D. John Grove (ed.) Global Inequality: Political and Socio-Economic Perspectives (Boulder, Colorado: Westview Press, 1979).



New Physical Facilities - Space consisting of six rooms was obtained for the American Indian Learning Resource Center in 125 Fraser Hall. In Dome City a second floor space consisting of five rooms was acquired for the Juarez/Humphrey Chicano Latino Supportive Services, while the Black and Asian Learning Resource Center used previously allocated space in 302 Eddy Hall.

Enrollment Statistics - Registration statistics for Spring Quarter 1979 show 773 students on the OMSSA program. Of this total, 410 were men and 363 women. The racial breakdown of the population was as follows: 28 American Indians (12 men, 16 women), 213 Asian Americans (141 men, 72 women), 332 Blacks (152 men, 180 women), 90 Hispanics (53 men, 37 women), 89 Whites (38 men, 51 women), 21 with no racial information (14 men, 7 women).

Summary - A great deal has been accomplished during this fiscal year. The establishment of learning resource centers for minority students and the inauguration of the all-university Summer Institute are historic milestones in the development of support services at the University of Minnesota. The University of Minnesota received the single largest appropriation in its history for such programs from the state legislature and efforts have begun to systematically coordinate support and academic services for minority students within the University of Minnesota system.

STUDENT ACTIVITIES OFFICE

Carl E. Nelson, Jr., Coordinator

No report submitted

STUDENT DEVELOPMENT CENTERS

Theda Hagenah, Coordinator

No report submitted

## STUDENT SUPPORT SERVICES

James B. Preus

Student Support Services is an administrative unit within the Office of the Vice President for Student Affairs which includes academic support services for students and colleges and financial support services for students. Included in SSS are the Office of Admissions, Records and Registration, the Office of Student Financial Aid and programs of new student orientation, outreach to veterans and St. Paul services, including the St. Paul Office of Student Affairs.

### Policy Changes

Programs provided by SSS units are sensitive to changes in policy by other University agencies, as well as external ones. During the 1978-79 fiscal year, the Middle Income Assistance Act became effective in November of 1978. Its objective is to make students from middle income families eligible for some kind of financial aid benefits. One of the results has been a significant increase in the number of student applications for Guaranteed Student Loan programs. Through increased staffing in the Student Financial Aid Office, processing procedures have been improved so that students can submit the loan application in person and have the University's portion of the form completed on the spot. Processing time has been reduced to about thirty minutes; previously, this procedure took as long as 10 weeks.

Improvements in the delivery of services have been made in response to University efforts to attract additional students. Adequate staffing has enabled us to keep pace with the rate of incoming applications. Response to new applicants is now made within a two to three day period. This process, "rapid response", reduced the backlog of applications for admissions experienced in the past. In addition, Admissions counselors were made available to respond to the needs of walk-in clients. In general, nearly all of the walk-in clients are served in addition to the clients who have made appointments.

Word processing services were incorporated into SSS systems with the purchase of a CPT 8000 Word Processor in July 1978. The automated typing system has enabled us to increase typewriter productivity, helped to personalize the image of the University to prospective students, provided personalized and rapid responses to applicants for admission and made it possible to mechanize some internal procedures.

### Organization

Internal reorganization plans have been developed in the Office of Student Financial Aid and the St. Paul Office of Student Affairs to improve staff utilization and management.

Also, the University of Minnesota Veterans Programs have undergone a reorganization in staff and is currently known as the Veterans Resource Center (VRC) with a new community services facility near the West Bank at 2020 Minnehaha Avenue.

### Research and Outreach

During 1978-79 several research and outreach activities were instituted in various areas of SSS.

The Data Retrieval Center, in conjunction with OSA Student Life Studies and Planning, began the Former Student Survey Project (FSPP), a longitudinal follow-up study of U of M graduates. DRC provides technical support to FSPP including data base management, editing, coding reports and programming retrieval. Data Retrieval also provides a half-time co-director for coordination and management.

Prospective Student Services expanded its outreach efforts with a number of new programs: Scholars' Day, co-sponsored by the College of Liberal Arts, was a one-day program aimed at attracting the top 5 percent of Minnesota high school seniors; Discovery Day offered prospective minority students the opportunity to sample University academic offerings, meet with faculty and staff and generally experience the University environment; and representatives from the Prospective Students Services attended national college fairs in Milwaukee and Chicago for the first time in an effort to attract non-resident students and students eligible for a higher education reciprocity program. New also was the implementation of a computer prospective student file used to facilitate collegiate and departmental contacts with prospective students and centralized mailings.

A series of workshops to improve communication with collegiate personnel on such topics as registration, grade processing and statistical reports was conducted by RR staff.

The Registration System Development has continued, resulting in the preparation of detailed documents outlining general design, equipment needs and detailed cost estimates. The various stages of the process have been reviewed and approved by the Registration Development Policy Committee. An External Design Report for the project is anticipated in the coming year detailing those activities which are performed in registration with support from the computer.

### New Physical Facilities

During 1978-79 plans were approved for the Office of Student Financial Aid to move to Fraser Hall before Fall quarter, 1979.

The Registration Center moved from Morrill Hall to Fraser Hall during July of 1978, and the Scheduling Office moved from Johnston Hall to Williamson Hall to join the Records staff. The official name of the office was changed to Registration, Student Records, and Scheduling Office.

INDEX

Abraham, Roland .....	36	Emergency Preparedness .....	64
Academic Affairs, Divisions of ....	28	Equal Opportunity and Affirmative	
Administration and Planning,		Action, Office of .....	4
Divisions of .....	64	Ervin, John, Jr. ....	62
Administrative Data Processing ....	69	Facilities Coordinator .....	64
Aerospace Studies .....	28	Finance, Divisions of .....	69
Agricultural Experiment Station ...	35	Fine Arts, School of (UMD) .....	12
Agricultural Extension Service ....	36	Food Services .....	75
Agriculture, College of .....	31	Forestry, College of .....	32
Agriculture, Forestry, and Home		Frederick, Edward C. ....	25
Economics, Institute of .....	30	French, Lyle .....	77
Alumni Relations. SEE Development		Gallery, University .....	28
and Alumni Relations.		Gardner, William E. ....	43
Athletics. SEE Men's Intercollegiate		Gault, N. L., Jr. ....	80
Athletics; Women's Intercollegiate		General College .....	45
Athletics.		Giel, Paul .....	65
Attorney, University .....	70	Graduate School .....	47
Auerbach, Carl A. ....	48	Hagenah, Theda .....	96
Barfield, Vivian .....	66	Handicapped Student Services .....	89
Betsinger, Signe T. ....	35	Health Sciences, Divisions of .....	77
Biological Sciences, College of ...	37	Health Service, Boynton .....	91
Board of Regents. SEE Regents,		Heller, Robert L. ....	6
Board of.		Hewitt, Clinton .....	73
Bookstores .....	75	Hinsvark, Inez G. ....	81
Boynton Health Service .....	91	Home Economics, College of .....	34
Brown, Donald P. ....	69	Hospitals and Clinics, University	
Business Administration, College of	38	of Minnesota .....	87
Business and Economics,		Housing Office .....	75, 92
School of (UMD).....	8	Hueg, William F., Jr. ....	30
Business Office. SEE Finance,		Ibele, Warren .....	47
Divisions of.		Imholte, John Q. ....	19
Caldecott, Richard S. ....	37	Institutional Relations,	
Carey, Phillip .....	93	Divisions of .....	88
Carlson, C. L. ....	75	Instructional Systems Division (CEE)	41
Coffman, Phillip H. ....	12	Intercollegiate Athletics. SEE Men's	
Community Relations and Extension		Intercollegiate Athletics; Women's	
Services (CEE) .....	40	Intercollegiate Athletics.	
Computer Services, University ....	59	International Programs, Office of ..	28
Concerts and Lectures .....	28	Investments and Cash Management ....	69
Continuing Education and Extension	40	Kegler, Stanley B. ....	88
Continuing Education Division (CEE)	40	Koffler, Henry .....	28
Controller's Office .....	71	LaBree, John W. ....	15
Crookston, University of Minnesota		Law School .....	48
Technical College .....	21	Letters and Science,	
Dentistry, School of .....	78	College of (UMD) .....	13
Development and Alumni Relations ..	72	Liberal Arts, College of .....	49
Dodge, Willard K. ....	17	Libraries--Twin Cities, University .	60
Duluth, University of Minnesota ...	6	Lilly, David M. ....	38
Education, College of .....	43	Lukermann, Fred E. ....	49
Education, College of (UMD) .....	10	Lupton, Jeanne T. ....	45
Educational Development, Center for	28		

Magrath, C. Peter .....	2	Student Activities Office .....	95
Management Planning and		Student Affairs, Divisions of .....	89
Information Services .....	69	Student Development Centers .....	96
McFarland, Keith N. ....	34	Student Life Studies .....	89
Measurement Services Center .....	28	Student Support Services .....	97
Medical School .....	80	Summer Session .....	51
Medicine, School of (UMD) .....	15	Support Services and Operations ....	75
Men's Intercollegiate Athletics,			
Department of .....	65	Tall, Russell D. ....	5
Miller, Harold A. ....	40	Tammen, James F. ....	31
Military Science .....	28	Technical Services .....	76
Minority and Special Student		Technology, Institute of .....	53
Affairs, Office for .....	93	Thomas, William C. ....	67
Moore, Wenda W. ....	1	Thompson, Roy L. ....	35
Morris, University of Minnesota ...	19	Thompson, Willard L. ....	51
Myers, Allen .....	10	Transportation .....	75
		Treasurer's Office .....	70
Naval Science .....	28		
Nelson, Carl E., Jr. ....	95	University Attorney .....	70
Nursing, School of .....	81	University College .....	57
		University Computer Services .....	59
Odegard, Robert J. ....	72	University Gallery .....	28
Oliver, Richard C. ....	78	University Libraries--Twin Cities ..	60
		University of Minnesota, Duluth ....	6
Patents .....	70	University of Minnesota Hospitals	
Personnel Department, University ..	67	and Clinics .....	87
Pharmacy, College of .....	83	University of Minnesota, Morris ....	19
Physical Planning, Office of .....	73	University of Minnesota Technical	
Physical Plant Maintenance		College, Crookston .....	21
and Operations .....	76	University of Minnesota Technical	
Planning Council .....	64	College, Waseca .....	25
Police Department, University ....	68	University Personnel Department ....	67
Pomeroy, B. S. ....	63	University Police Department .....	68
President, Office of the .....	2	University Press .....	62
Press, University .....	62	University Relations .....	5
Preus, James B. ....	97	Urban and Regional Affairs .....	28
Printing Services .....	75		
Public Health, School of .....	85	Verbrugge, Frank .....	59
		Veterinary Medicine, College of ....	63
Rapp, George R., Jr. ....	13	Vose, David A. ....	8
Regents, Board of .....	1		
Rupprecht, Paul .....	91	Waseca, University of Minnesota	
		Technical College .....	25
Sahlstrom, Stanley D. ....	21	Weaver, Lawrence C. ....	83
Skok, Richard A. ....	32	Werntz, James H. ....	57
Smith, Eldred .....	60	Westerman, John H. ....	87
Smith, Glenn .....	71	Wilderson, Frank B., Jr. ....	89
Social Development, School of (UMD)	17	Williams, Lillian H. ....	4
Staeble, Roger W. ....	53	Wilson, Eugene W. ....	68
Stauffer, Lee D. ....	85	Women's Intercollegiate Athletics,	
Stein, Robert A. ....	64	Department of .....	66