

MSDH
9/1/63



MEDICAL BULLETIN

UNIVERSITY OF *Minnesota*



in this issue

- ◆ UNIVERSITY HOSPITALS BIENNIAL REPORT
- ◆ MEDICAL SCHOOL FACULTY
- ◆ MEDICAL SCHOOL NEWS

VOLUME XXXV, NUMBER 1

SEPTEMBER 1963

EDITORIAL STAFF

W. ALBERT SULLIVAN, JR., M.D.
Editor

EIVIND HOFF, JR.
Managing Editor

BOARD OF EDITORS

GERARD W. FRAWLEY
WESLEY W. SPINK, M.D.

ADMINISTRATIVE SPONSORS

University of Minnesota Hospitals
RAY M. AMBERG, *Director*

Minnesota Medical Foundation
CORRIN H. HODGSON, M.D., *President*
VERNON D. E. SMITH, M.D., *Vice-President*
N. L. GAULT, JR., M.D., *Secretary-Treasurer*
EIVIND HOFF, JR., *Executive Director*

University of Minnesota Medical School
O. MEREDITH WILSON, *President*
University of Minnesota
ROBERT B. HOWARD, M.D., *Dean*
College of Medical Sciences
H. MEAD CAVERT, M.D., *Assistant Dean*
N. L. GAULT, JR., M.D., *Assistant Dean*

Minnesota Medical Alumni Association
CHARLES J. BECK, M.D., *President*
NEIL M. PALM, M.D., *Vice-President*
JAMES C. MANKEY, M.D., *Vice-President*
ROBERT H. MONAHAN, M.D., *Secretary*
DUANE C. OLSON, M.D., *Treasurer*

UNIVERSITY OF MINNESOTA

Medical Bulletin

Official Publication of

UNIVERSITY OF MINNESOTA HOSPITALS
MINNESOTA MEDICAL FOUNDATION
MINNESOTA MEDICAL ALUMNI ASSOCIATION
Circulation this issue 6,500

VOLUME XXXV

September 1963

NUMBER 1

CONTENTS

STAFF MEETING REPORT

*Biennial Report; University of Minnesota
Hospitals, 1961-62, 1962-63*
RAY M. AMBERG, Ph.C. 2

FACULTY ROSTER, 1963-64 37

MEDICAL SCHOOL NEWS 51

ALUMNI NOTES 53

Published monthly from September through June at Minneapolis, Minn. No advertising accepted. Second class postage paid. Address all correspondence to The Editor, University of Minnesota Medical Bulletin, 1342 Mayo Bldg., University of Minnesota, Minneapolis, Minn. 55455.

Staff Meeting Report

University of Minnesota Hospitals Biennial Report 1961-62, 1962-63*

RAY M. AMBERG, PH.C.†

The University of Minnesota Hospitals was established in 1909 by the Minnesota State Legislature to furnish a means for the University of Minnesota to train students in the multiple fields of medical care. Training is given in the hospitals under the direct supervision and guidance of a competent staff made up of a full-time and a part-time faculty. The staff is responsible to the State through the University for both the instruction of the students and the care of the patients. This arrangement has proved satisfactory not only in the training of students but also as an economical means for the State to care for many of its indigent sick.

The University of Minnesota Hospitals provides many different medical services within its many units, and makes available facilities and services which enable the physicians to provide the best possible care consistent with the progress in medical sciences.

UNIVERSITY OF MINNESOTA HOSPITALS ADMISSION POLICY

In applying for admission to the Hospitals, the patient must be referred by his family physician or by a physician in his local community. This rule prevents the criticism that the Hospitals and its clinics are taking patients admitted to the Variety Club Heart Hospital or to any other unit of the Hospitals.

Patients are classified according to their ability to pay as **County, Per Diem, Teaching and Research, Sixty Fund, Sixty-four Fund, Eustis, Rehabilitation, Private**, or, in case of the Heart Hospital, the **Variety Club of the Northwest Fund**. There is no distinction made among the various classes in treatment or privileges.

COUNTY patients are those who are totally unable to pay. Their expenses are shared equally by their county and the state. No charge is made for professional services of the staff. When

*Presented at the Staff Meeting of the University Hospitals on October 4, 1963

†Director, University of Minnesota Hospitals.

applying for either outpatient or hospital care, each patient must present county papers containing a medical report by his physician and approval by his county commissioner or his representative.

PER DIEM patients are those who cannot afford to pay for the services of both a private physician and a private hospital. When applying for either outpatient or hospital care, these patients must present a note of referral or a special form signed by their family physician and by themselves. They are required to pay their clinic or hospital expenses only, no charge being made for the professional services of the staff. From the standpoint of money received by the Hospitals, there is no difference between a county patient and a per diem patient.

TEACHING AND RESEARCH PATIENTS are primarily destitute unmarried obstetrical patients who are unable to obtain county papers.

The SIXTY FUND and the SIXTY-FOUR FUND are special grants from the State Legislature used to hospitalize indigent psychiatric patients (adults and children) for treatment, teaching and research purposes.

The EUSTIS FUND was set up by William Henry Eustis to care for indigent children under sixteen years of age.

The REHABILITATION FUND is provided by the legislature for the use of the Hospitals, through the Department of Rehabilitation and Physical Medicine, to aid in the physical rehabilitation of patients. Referral by a physician is required.

The MULTIPLE SCLEROSIS DIAGNOSTIC FUND was provided for each year of the past biennium to assist in financing the multiple sclerosis clinic. Referral by a physician is required.

PRIVATE patients, admitted only upon referral from a practicing physician, are utilized in conjunction with the teaching program just as other patients are. They are afforded treatment and privileges comparable to those afforded private patients in any private hospital.

The VARIETY CLUB OF THE NORTHWEST FUND is a special annual gift from the Variety Club to assist in the care of patients from communities in the Club area, which includes Minnesota, North Dakota, South Dakota, and parts of Wisconsin, or from any other area indicated by the Club. Patients may be admitted for care on this fund on the usual recommendation of a physician. The Variety Club itself may at times request service for certain patients in which it has a special interest; such care is paid for through this fund. No charge is made for the professional services of the staff—only for clinic or hospital expenses.

STUDENT HEALTH SERVICE patients are not considered Hos-

U of M B. 48 6 55

pital patients even though a Hospitals intern is assigned to this service. The Student Health Service has its hospital infirmary on the fourth floor in the west wing of the University Hospitals but is not a part of the University Hospitals. It is a service in stitution maintained by the University with a director, staff, and budget of its own. The Student Health Service, located on Church Street west of the Hospitals, provides outpatient care only.

Inpatient Department

The number of patients admitted during the year 1962-63 was 16,929, and in 1961-62 the number was 15,542. The total number of days of hospital treatment aggregated 228,890 in 1962-63 as against 227,215 in 1961-62, an increase of 1,675 patient days. The average length of stay in the Hospitals was 13.5 days in 1962-63 and 14.6 days in 1961-62. The daily average census was 627.09 in 1962-63 and 622.5 in 1961-62.

Surgical operations performed during the year 1962-63 numbered 10,955 as compared with 11,237 in 1961-62.

Deaths in the Hospitals for the year numbered 759. Of this number 109 occurred within 48 hours after admission, 112 occurred in the Heart Hospital, and 127 in the Masonic Hospital. Autopsies for the year 1962-63 numbered 621, an overall rate of 86.1 per cent; in 1961-62 the number of autopsies was 665, an overall rate of 84.9 per cent.

Psychopathic Hospital

The Pyschopathic Department of the Hospitals admitted 408 adult patients during the year as compared with 432 in 1961-62. The total number of patient days of hospital care was 22,740 in 1962-63 as against 23,053 in 1961-62. The average length of stay was 51.6 days in 1962-63 and 45.8 days in 1961-62.

Child Psychiatry admitted 113 patients in 1962-63 as compared with 80 patients in 1961-62. The total number of patient days aggregated 5,522 in 1962-63 as against 5,307 in 1961-62.

Variety Club Heart Hospital

The Variety Club Heart Hospital admitted 1,905 patients in 1962-63 as compared with 1,713 patients in 1961-62. The total number of patient days of hospital care was 22,493 in 1962-63, and in 1961-62 the number was 22,880. The average length of stay for adult patients was 12.3 days and for pediatric patients 11.2 days. The average length of stay (adult and pediatric) was 11.8 days in 1962-63 as against 14 days in 1961-62. The average daily census during 1962-63 was 61.5 (32.6 adults, 28.9 pedi-

atric), and in 1961-62 the daily census was 63 (33 adults, 30 pediatric).

Masonic Memorial Hospital

The Masonic Memorial Hospital receives all of its patients by transfer from the general hospital. Patients treated in 1962-63 numbered 988 as against 899 in 1961-62. The total number of patient days of hospital care was 24,486 during 1962-63 as compared with 23,906 in 1961-62. The average length of stay in the Masonic Hospital was 23.1 days in 1962-63 and 26.5 days in 1961-62. The daily average census was 67.2 in 1962-63 and 65.9 in 1961-62.

Outpatient Department

The number of new patient visits in 1962-63 was 24,928, and in 1961-62 the number was 19,910. Total patient visits made in 1962-63 were 128,585, and in 1961-62 the number was 124,940.

X-ray Department

The X-ray Department reported 77,557 procedures for the year 1962-63 as compared with 73,346 for the year 1961-62.

The Department of X-ray Therapy gave 19,804 deep therapy treatments in 1962-63 as compared with 16,763 in 1961-62. There were 16,190 treatments given on the cobalt machines during 1962-63, and in 1961-62 the number was 13,417. Superficial therapy treatments in 1962-63 numbered 547 as compared with 973 in 1961-62.

Hospital Laboratories

The Hospital Laboratories made 714,321 determinations during 1962-63 as compared with 688,897, in 1961-62.

Pharmacy

The Pharmacy filled 315,296 prescriptions in 1962-63 as compared with 285,902 in 1961-62.

Rehabilitation Center

There were 57,913 patient visits to the Rehabilitation Center by 4,479 patients during the past year. In 1961-62 there were 62,850 patient visits by 4,084 patients.

Other Departments

The services of the Social Service, Medical Record, and Nutrition departments are all shown statistically on separate tables in this report.

The Nursing Service prepared a complete report of its operations for the year which was presented to the staff at a Staff Meeting during the past year.

The reports of Powell Hall and Volunteer Service have been prepared and are on file in the Office of the Administrator.

Cost of Operation

The overall cost of running the Hospitals was \$44.70 per patient day in 1962-63 and \$41.86 in 1961-62, an increase of \$2.84 per patient day. The cost per outpatient visit was \$9.64 in 1962-63, and in 1961-62 the cost was \$9.22, an increase of \$0.42 per patient visit.

The Outlook

More than 1,800 students concerned with medicine or the paramedical fields are daily in training on the wards and services of the University Hospitals. Thus the Hospitals continues to increase services to the people of the state by providing staff, technical personnel, and equipment to keep abreast of the changes in medicine and patient care.

July 1, 1964 will see the completion of the construction of the Children's Rehabilitation Center which will house complete facilities for rehabilitation, including patient care.

Within a few months another addition to the Variety Club Heart Hospital will be made to meet the demands for increased space necessary to provide additional diagnostic and treatment facilities.

The Masons of Minnesota have launched a campaign to add fifty more beds to the Masonic Memorial Hospital and a floor devoted to research in the areas closely related to cancer.

The Hospitals is pleased to assist in plans to improve the care of the patient and for the education of all students in medicine and the paramedical fields. Medical research continues to expand, and the facilities of the Hospitals are taxed to accommodate the programs and to maintain service.

Additional Support

Hospital funds alone cannot provide for all the needs of an institution, including its technical demands and the demands of day-to-day operation. One paramount need of a hospital is public understanding of its aims. To achieve this it needs the assistance of many people in addition to the paid staff—people who are willing to give their time or financial support.

The University of Minnesota Hospitals is fortunate in having individuals and groups of individuals who show continued inter-

THE MEDICAL BULLETIN

est and devotion. It is fitting that we thank the Masons of Minnesota and their affiliated organizations for their liberal donations, and the Variety Club of the Northwest for its continued generosity in providing funds for patient care.

We also wish to thank the Masonic Hospital Auxiliary and the Auxiliary of the Variety Club for their gifts of both money and hours of service for patients in the Masonic Memorial Hospital and the Variety Club Heart Hospital; the University Hospitals Auxiliary—along with other sections of the Faculty Women's Club—for generous efforts on behalf of our patients; the Robinson School of Beauty Culture for their contribution to the well-being of our patients by their hairdressing services; the directors and staffs and members of the County Welfare Department; the Minnesota State Department of Welfare; the Minneapolis Department of Relief; Miss Rosa Stadem, Hennepin County Commissioners' Office; the Minnesota Society for Crippled Children and Adults; Travelers Aid; the Greater Minneapolis Council of Churches; the Hennepin County Chapter of the American Red Cross; the State Division of Vocational Rehabilitation; the Lutheran Welfare Society; the Family and Children's Service of St. Paul and Minneapolis; the Combined Nursing Service of Minneapolis; the Family Nursing Service of St. Paul; the Hennepin and Ramsey County Nursing Services; the State board of Health; the Community Information Service; the Minneapolis Society for the Blind; Booth Memorial Hospital; The Foster Club; the Department of Business Administration of the University of Minnesota for their annual Christmas gift of radios for our patients; the Phillips 66 Men's Club; and the many other organizations and individuals who have contributed to our patients' welfare, including, of course, the chaplains who minister so devotedly to the spiritual needs of our patients.

We of the Hospitals wish to express our appreciation to our volunteer workers who have generously given their time in performing services for our patients and in assisting our staff. We also wish to thank the many people who have contributed to service and research funds during the year.

The Administration desires finally to express its gratitude to the members of the professional and service staffs for their loyalty, helpfulness, and considerate care of our patients.

THE MEDICAL BULLETIN

UNIVERSITY OF MINNESOTA HOSPITALS
 Statement of Income & Expenditures
 June 30, 1963

INCOME

County & State Reimbursement	\$ 4,144,037.75	
Pay Bed	5,276,178.73	
Minnesota Hospital & Home for Crippled Children	100,000.00	
Psychopathic Hospital	700,501.00	
Child Psychiatry	271,538.00	
Out-Patient Department	372,128.30	
Student Health Service	274,196.42	
Variety Club Heart Hospital	50,000.00	
University Funds	<u>282,545.00</u>	
Total		\$ 11,471,125.20

EXPENDITURES

Salaries & Wages	\$ 7,172,561.53	
Supplies & Expense	<u>4,299,870.47</u>	
Total		\$ 11,472,432.00
		\$ <u>1,306.80(00)</u>

COST OF OPERATION

<u>Year</u>	<u>Out-Patient Dept.</u>	<u>In-Patient Dept.</u>	<u>Out-Patient Visit</u>	<u>Hospital Day</u>
1960-61	\$ 1,020,656.15	\$ 8,477,614.70	\$ 8.38	\$ 39.05
1961-62	1,151,992.78	9,510,980.48	9.22	41.86
1962-63	1,240,076.75	10,232,355.25	9.64	44.70

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

In-Patient Department

	1961-62	1962-63		1961-62	1962-63
<u>Total Patients Admitted</u>			<u>Avg. Days per Patient</u>		
County	3,865	3,895	County	17.0	15.4
Pay & Per Diem	8,791	10,069	Pay & Per Diem	10.7	11.0
Student Health Service	1,397	1,433	Student Health Service	4.2	4.0
Psychiatry	183	157	Psychiatry	57.0	56.3
Psychiatry			Psychiatry		
(Pay, Per Diem)	249	251	(Pay, Per Diem)	28.9	44.5
Child Psychiatry	29	50	Child Psychiatry	83.5	55.3
Child Psychiatry			Child Psychiatry		
(Pay, Per Diem)	51	63	(Pay, Per Diem)	29.3	38.8
Free	260	286	Free	5.6	5.3
Eustis	183	232	Eustis	9.9	10.3
Variety Club Fund	50	46	Variety Club Fund	13.3	14.5
Rehabilitation		1	Rehabilitation		84.0
Masonic Hospital			Masonic Hospital		
County	191	168	County	31.9	35.4
Pay, Per Diem	291	278	Pay, Per Diem	20.1	20.6
Free	2		Free	18.8	20.0
Totals	15,542	16,929	<u>Avg. Length of Stay per Patient</u>	14.6	13.5
<u>Total Days Hospital Care</u>			<u>Daily Avg. No. Patients</u>		
County	70,837	66,458	County	192.3	182.0
Pay & Per Diem	94,064	98,747	Pay & Per Diem	257.7	270.5
Student Health Service	5,842	5,935	Student Health Service	16.0	16.2
Psychiatry	15,855	14,910	Psychiatry	43.9	40.8
Psychiatry			Psychiatry		
(Pay, Per Diem)	7,199	7,830	(Pay, Per Diem)	19.7	21.4
Child Psychiatry	3,842	3,816	Child Psychiatry	10.5	10.4
Child Psychiatry			Child Psychiatry		
(Pay, Per Diem)	1,496	1,706	(Pay, Per Diem)	4.1	4.7
Free	1,472	1,551	Free	4.0	4.2
Eustis	2,038	2,615	Eustis	5.6	7.2
Variety Club Fund	664	668	Variety Club Fund	1.8	1.9
Rehabilitation		168	Rehabilitation		.4
Masonic Hospital			Masonic Hospital		
County	15,293	15,246	County	41.9	41.9
Pay, Per Diem	8,519	9,220	Pay, Per Diem	23.7	25.2
Free	94	20	Free	.3	.1
Totals	227,215	228,890	<u>Daily Average Census for Hospital</u>	622.5	627.09

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

In-Patient Department

SERVICE	ADMISSIONS		PATIENT DAYS		AVG. LENGTH STAY	
	1961-62	1962-63	1961-62	1962-63	1961-62	1962-63
Surgery, General	2,041	2,830	36,661	39,017	15.4	12.6
Neurosurgery	658	704	8,110	9,045	12.3	13.5
Orthopedics	508	623	8,236	9,085	16.1	14.4
Urology	800	767	9,539	8,093	11.6	11.1
	<u>4,007</u>	<u>4,924</u>	<u>62,546</u>	<u>65,240</u>		
Medicine	2,597	2,655	45,146	43,422	17.8	17.5
Dermatology	110	116	1,979	2,703	18.8	28.5
	<u>2,707</u>	<u>2,771</u>	<u>47,125</u>	<u>46,125</u>		
Psychiatry	432	408	23,053	22,740	45.8	51.6
Neurology	670	704	8,925	8,952	13.8	13.4
Child Psychiatry	80	113	5,307	5,522	56.5	48.4
	<u>1,182</u>	<u>1,225</u>	<u>37,285</u>	<u>37,214</u>		
Ophthalmology	306	306	3,351	3,107	11.0	9.9
Otolaryngology	512	553	2,886	3,128	5.8	5.9
	<u>818</u>	<u>859</u>	<u>6,237</u>	<u>6,235</u>		
Gynecology	708	778	11,645	11,885	16.1	15.3
Obstetrics	1,112	1,146	6,681	6,634	5.9	5.8
Newborn (Pediatrics)	947	938	6,322	6,292	6.6	6.8
Pediatrics (General)	2,596	2,792	37,266	36,694	13.9	13.1
Health Service	1,404	1,433	5,789	5,778	4.1	4.0
Rehabilitation	56	57	5,921	6,198	54.3	68.1
Anesthesia	5	6	398	595	49.8	74.3
Totals	<u>15,542</u>	<u>16,929</u>	<u>227,215</u>	<u>228,890</u>	14.6	13.5

COMPARISON OF LENGTH OF STAY

SERVICE	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61	1961-62	1962-63
Surgery, General	14.5	15.3	14	12.6	11.8	14.2	16.2	15.9	15.4	12.6
Urology	9.7	10.3	10.4	9.8	10.4	10.4	10.3	11.5	11.6	11.1
Orthopedics	23.5	20.6	18.5	18.3	17.5	16.4	18.7	18.1	16.1	14.4
Neurosurgery	11.7	14.3	14.3	13.6	13.8	15.7	14.2	13.4	12.3	13.5
Anesthesia			1	50.3	159.1	94.5	139	54.7	49.8	74.3
Rehabilitation		33.3	16.8	19.2	21.6	18.7	19.4	35.5	54.3	68.1
Medicine	15.5	15.7	16.3	16.9	18	17.3	17.7	17.8	17.8	17.5
Neurology	15	13.6	15.3	16.2	17.6	14	14.2	13.9	13.8	13.4
Dermatology	19.3	19.9	17.9	13.7	14.9	29.5	25.4	16.9	18.8	28.5
Psychiatry	34.3	46.8	36.2	27.4	28.9	22.1	28.2	36.2	45.8	51.6
Child Psychiatry	22.3	21.1	22.3	23.3	26.2	27.4	22.1	43.9	56.5	48.4
Ophthalmology	13.5	15.4	12.6	16.3	13.6	11.2	12.3	11.5	11	9.9
Otolaryngology	6	6.4	6.6	5	4.3	4.4	6	5.7	5.8	5.9
Gynecology	14.3	14.3	16.6	9.8	9.3	10.2	8.6	13	16.1	15.3
Obstetrics	6.3	6.6	6.3	6	5.8	5.6	5.8	5.6	5.9	5.8
Newborn (Pediatrics)	6.6	6.3	5.9	6.8	6.2	6.4	6.3	6.6	6.6	6.8
Pediatrics	16.8	15.8	15.8	14.3	14.4	13.9	14.6	14.5	13.9	13.1
Health Service	3.4	3.2	3.3	3.3	3.5	3.7	3.9	3.8	4.1	4
Totals	13.2	13.8	13.4	12.4	12.3	12.6	13.3	13.9	14.6	13.5

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

Out-Patient Department

SERVICE	NEW PATIENTS		REVISITS		TOTALS	
	1961-62	1962-63	1961-62	1962-63	1961-62	1962-63
MEDICINE						
General	2,806	2,639	5,462	6,259	8,268	8,898
Allergy	57	31	960	1,077	1,017	1,108
Arthritis	74	33	1,010	1,038	1,084	1,071
Cardiac (Adult)	49	122	1,868	1,921	1,917	2,043
Chest	29	22	251	276	280	298
Chemotherapy	44	32	561	746	605	778
Diabetic	71	36	807	942	878	978
Gastro-intestinal	9	15	134	245	143	260
Hematology	25	16	650	579	675	595
Metabolism	43	25	512	482	555	507
DERMATOLOGY & SYPHILOLOGY						
	585	918	3,317	2,774	3,902	3,692
NEUROLOGY						
General	343	371	785	835	1,128	1,206
Cerebral Vascular	17	14	213	230	230	244
Convulsive Disorder	18	18	832	776	850	794
Multiple Sclerosis	4	9	353	361	357	370
Muscle Disease		5		62		67
PSYCHIATRY						
	417	402	4,682	6,372	5,099	6,774
SURGERY						
General	423	372	2,172	1,628	2,595	2,000
Culdoscopy		29		7		36
Plastic	37	59	293	282	330	341
Proctology	274	625	908	646	1,182	1,271
Orthopedic	411	470	2,386	2,236	2,797	2,706
Amputation	5	11	32	34	37	45
Urology	318	245	1,225	1,269	1,543	1,514
Urology-Tumor	1	1	108	20	109	21
Neurosurgery	136	187	658	694	794	881
EYE						
General	864	1,572	6,739	6,619	7,603	8,191
Orthoptic	5	188	641	392	646	580
Squint		3	354	271	354	274
EAR, NOSE AND THROAT						
Audiology	502	1,071	2,898	2,347	3,400	3,418
	724	833	844	907	1,568	1,740
GYNECOLOGY						
General	335	365	1,018	1,106	1,353	1,471
Gynecology Tumor	85	95	1,422	1,703	1,507	1,798
OBSTETRICS						
	521	529	3,788	3,525	4,309	4,054

(cont'd)

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

Out-Patient Department (cont'd)

SERVICE	NEW PATIENTS		REVISITS		TOTALS	
	1961-62	1962-63	1961-62	1962-63	1961-62	1962-63
PEDIATRICS						
General	1,046	1,138	3,669	3,335	4,715	4,473
Allergy			494	407	494	407
Cardiac	336	339	2,137	1,745	2,473	2,084
Convulsive Seizure			670	640	670	640
Dermatology			1		1	
Endocrine			487	449	487	449
Fibrocystic		10	247	270	247	280
Hematology			810	1,006	810	1,006
Muscle Disease				11		11
Neurology	1		527	634	528	634
Renal	4	28	513	472	347	500
Rheumatic		39		492		531
Child Development Study		10	1,373	1,521	1,373	1,531
Well Baby		1	109	286	109	287
CHILD PSYCHIATRY	535	639	1,665	1,144	2,200	1,783
TUMOR	113	160	1,534	1,517	1,647	1,677
EMERGENCY	3,619	3,595	16,687	16,665	20,306	20,260
NUTRITION	1,156	1,832	2,856	3,029	4,012	4,861
DENTAL	17	900	2,248	1,029	2,265	1,929
NORTH	2,778	3,224	17,415	16,586	20,193	19,810
PHYSICAL MEDICINE & REHABILITATION	<u>1,073</u>	<u>1,650</u>	<u>3,875</u>	<u>3,758</u>	<u>4,948</u>	<u>5,408</u>
TOTALS	19,910	24,928	105,030	103,657	124,940	128,585

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

Hospital Laboratories

LABORATORY	NUMBER OF DETERMINATIONS	
	1961-62	1962-63
Bacteriology	37,942	42,204
Blood Bank	232,364	229,445
Cancer Detection	28,312	28,937
Chemistry	101,469	112,885
Clerks	4,651	5,804
Electrocardiography and Basal Metabolism	11,248	11,570
Electroencephalography	2,154	2,250
Heart Catheterization (Heart Catheterization Cases)	6,404 (377)	6,922 (452)
Heart Hospital	18,705	19,416
Hematology	105,236	116,641
Hematology, Special	1,526	1,631
North Clinic	5,707	5,417
Out-Patient	60,538	57,791
Parasitology	626	620
Serology	7,632	6,712
Tissues		
Specimens		
(Autopsy)	(683)	(652)
(Surgical)	(4,935)	(4,990)
Blocks		
Autopsy	14,829	17,873
Surgical	14,616	14,650
Cytology	3,013	3,316
Special Stains	388	412
Extra Slides	1,564	2,016
Frozen Sections	799	1,025
Urinalysis	<u>29,174</u>	<u>26,784</u>
TOTALS	688,897	714,321

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

North Clinic

CLINIC ATTENDANCE	NEW PATIENTS		REVISITS		TOTALS	
	1961-62	1962-63	1961-62	1962-63	1961-62	1962-63
Medicine	492	553	2,375	1,860	2,867	2,413
Neurology	292	457	1,908	2,262	2,200	2,719
Dermatology	0	0	11	1	11	1
Surgery	217	267	2,508	2,476	2,725	2,743
Urology	207	217	1,327	1,155	1,534	1,372
Neurosurgery	361	413	909	945	1,270	1,358
X-Ray Therapy	88	148	13	13	101	161
Orthopedics	161	230	1,695	1,803	1,856	2,033
Physical Medicine	43	53	102	110	145	163
Dentistry	0	0	0	1	0	1
Ophthalmology	0	0	0	0	0	0
Otolaryngology	264	230	552	564	816	794
Obstetrics	175	184	2,367	1,898	2,542	2,082
Gynecology	179	160	1,686	1,770	1,865	1,930
Pediatrics	180	152	1,132	954	1,312	1,106
Psychiatry						
Child	63	43	180	143	243	186
Adult	55	68	640	661	695	729
Amputation Clinic	1	1	17	61	18	62
TOTALS	2,778	3,176	17,422	16,677	20,200	19,853

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

Operating Room

	Major		Minor		Totals	
	1961-62	1962-63	1961-62	1962-63	1961-62	1962-63
DEPARTMENT OF SURGERY						
General Surgery	2,035	1,963	635	631	2,668	2,594
X-Ray				(172)		
Cast				(11)		
Neurosurgery	514		(48)	(48)	683	743
X-Ray		610	(121)	(85)		
Urological Surgery	226	203	(14)	(10)	241	214
X-Ray			(1)	(1)		
Orthopedics	438	551	(100)	(150)	1,030	1,227
Casts on Operatives			(178)	(234)		
Casts on Non-Operatives			(305)	(281)		
X-Ray			(9)	(11)		
DEPARTMENT OF GYNECOLOGY	219	233	320	455	539	689
X-Ray				(1)		
DEPARTMENT OF OTOLARYNGOLOGY						
Otolaryngology	373	384	456	483	829	867
Dentistry	38	31	16	18	54	49
X-Ray			51	64	51	64
DEPARTMENT OF OPHTHALMOLOGY	320	285	74	60	394	345
Medicine				29		29
Neurology			1	15	1	15
Pediatrics			1	8	1	8
X-Ray Diagnostic			197	282	197	282
Physiology			13		13	
X-Ray Therapy (Radium Insertion)			1	3	1	3
Physical Medicine & Rehabilitation						
Green Medicine			35		35	
			1		1	
Totals	4,163	4,260	2,575	2,869	6,738	7,129
CYSTOSCOPY DEPARTMENT						
TURs & Operative Procedures	319	245			319	245
Cystoscopies			2,809	2,277	2,809	2,277
Miscellaneous			114	25	114	25
X-Ray			1,257	813	1,257	813
Minor (with x-ray)				466		466
Totals	319	245	4,180	3,581	4,499	3,826
Combined Totals	4,482	4,505	6,755	6,450	11,237	10,955
<u>SUMMARY</u>						
	1961-62	1962-63				
Majors	4,482	4,505				
Minors	6,755	6,450				
Totals	11,237	10,955				

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

Pharmacy

MONTH	OUT-PATIENT RX		HOSPITAL RX		TOTAL RX	
	1961-62	1962-63	1961-62	1962-63	1961-62	1962-63
July	4,400	5,449	16,725	19,773	21,125	25,222
August	5,377	5,604	18,435	22,273	23,812	27,877
September	4,889	5,093	17,821	18,849	22,710	23,942
October	5,159	5,903	19,055	22,165	24,214	28,068
November	5,368	5,891	18,615	22,239	23,983	28,130
December	5,043	5,343	17,635	19,637	22,678	24,980
January	5,644	5,796	19,529	21,475	25,173	27,271
February*	4,906	5,287	17,555	16,152 2,906(IV)	22,461	24,345
March	5,504	5,744	19,612	18,151 3,301(IV)	25,116	27,196
April	5,275	5,745	18,210	17,307 3,482(IV)	23,485	26,534
May	5,863	5,914	19,806	17,854 3,420(IV)	25,669	27,188
June	5,411	5,080	20,065	16,247 3,216(IV)	25,476	24,543
TOTALS	62,839	66,849	223,063	232,122 16,325(IV)	285,902	315,296
*Until February IV prescriptions were part of prescription total.						

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

X-Ray

PARTS EXAMINED	1961-62	1962-63
Abdomen	1,901	2,111
Ankle, Foot	1,154	1,235
Arm, Forearm, Elbow	516	662
Arthrogram	19	16
Bone Survey	16	27
Bronchogram	109	103
Chest	27,249	27,806
Cholangiogram	299	306
Cine Examination	27	174
Colon	2,745	2,744
Discogram	9	6
Encephalogram	237	292
Facial Bones	232	307
Fetogram	50	96
Gallbladder	740	678
Heart	1,865	2,052
Retrograde Ventriculogram & Aortogram	449	350
Heart Catheterization	347	316
Heart Pressure	8	0
Hip Nailing	35	30
Hypogastric Catheterization	0	25
Hysterosalpingogram	24	39
IV CO ₂ Study	0	4
Knee, Leg, Thigh	1,690	1,678
Kymogram	2	11
Lymphangiogram	25	33
Mistard Injections	5	0
Needle Biopsy	0	7
Pelvimetry	126	205
Pelvis, Hip Joints	2,983	2,813
Pharynx and Larynx	5	6
Placentogram	8	4
Planigram	290	366
Retroperitoneal Air Study	0	1
Ribs, Sternum	197	628
Radium Implant	0	8
Shoulder Girdle	413	515
Sialogram	10	16
Sinus Tract Injection	22	33
Sinuses, Mastoids	458	573
Skull, Orbits, Sella Turcica	3,087	3,689
Small Bowel	263	285
Spine, Sacroiliacs	4,081	3,717
Splenoportogram	5	10
Myelogram	310	406
Stomach, Duodenum, Esophagus	4,291	5,118
Teeth	5	3
Thalamotomy	22	40
Tongue	7	5
Ventriculogram	58	58
Vertebral Biopsy	2	0
Wrist, Hand	1,157	1,222

(cont'd)

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

X-Ray (cont'd)

PARTS EXAMINED	1961-62	1962-63
UROLOGICAL RADIOGRAPHY EXAMINATIONS		
Cystogram, Urethrogram	803	445
Intravenous Urogram	2,713	2,763
Isolated Kidney	9	7
Kidney Puncture	7	4
Nephrogram	1	4
Nephrotomogram	6	3
Urinary Tract (KUB)	914	1,041
Urogram (Retrograde)	375	283
VASCULAR RADIOGRAPHY		
Angiocardiogram	247	388
Aortogram	80	103
Arteriogram	172	213
Cerebral Angiogram	426	494
Phlebogram	16	11
Special Vascular Study	25	45
Venacavagram	20	20
Venogram	21	30
TOTAL RADIOGRAPHIC EXAMINATIONS	63,388	66,683
PHOTOFLUOROGRAPHY		
Employees	1,400	1,280
TOTAL	1,400	1,280
FLUOROSCOPY		
Diagnostic	8,558	9,594
TOTAL	8,558	9,594
TOTAL RADIOGRAPHIC PROCEDURES	73,346	77,557
RADIOGRAPHIC EXAMINATIONS DONE		
Heart Hospital	4,971	5,069
Main Hospital	51,863	55,164
Main Operating Room	4,090	4,583
Urological Department	2,464	1,867
TOTAL	63,388	66,683

(cont'd)

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

X-Ray (cont'd)

	1961-62	1962-63
PATIENTS EXAMINED		
Cancer Detection Center	4,677	4,557
Heart Hospital	4,397	4,461
Hospital	18,068	21,323
Urology Department	1,907	1,594
Main Operating Room	3,481	4,033
Out-Patient Department	14,579	13,932
Private	12,860*	14,478*
Student Health Service	1,179*	1,015*
Employees	1,017*	1,077*
*Included in "Total Patients"		
TOTAL PATIENTS EXAMINED	47,109	49,900
TOTAL X-RAY PROCEDURES	73,346	77,557

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

X-Ray Therapy Department

TYPE OF TREATMENT	1961-62	1962-63
DEEP X-RAY TREATMENTS		
New Patients	645	662
Patients Retreated	<u>130</u>	<u>167</u>
Total Number of Patients Treated	775	829
Hennepin County Patients	68	80
Ramsey County Patients	25	27
Patients from Other Counties	<u>157</u>	<u>150</u>
Total County Patients	250	257
Out-Patient Treatments	7,486	8,601
House-Patient Treatments	<u>9,277</u>	<u>11,203</u>
Total Number of Treatments	16,763	19,804
Average Number of Treatments per Patient	21.1	23.8
No. Treatments on 250 KV Machine	1,438	1,891
No. Treatments on 400 KV Machine	1,908	1,723
No. Treatments on Canadian Cobalt Machine	5,446	9,344
No. Treatments on Picker Cobalt Machine	7,971	6,846
SUPERFICIAL X-RAY TREATMENTS		
Phillips Contact Treatments	0	0
120 KV	583	157
80 KV	0	4
Out-Patient Treatments	703	439
House-Patient Treatments	<u>270</u>	<u>108</u>
Total Number of Treatments	973	547
Total Number of Patients Treated	163	125
RADIUM		
Total Number of Treatments	197	189
New Patients Treated	187	180
STRONTIUM (BETA RAY)		
Total Number of Treatments	69	30
New Patients Treated	14	5
(cont'd)		

THE MEDICAL BULLETIN

X-Ray Therapy Department (cont'd)

TYPE OF TREATMENT	1961-62	1962-63
RADIOISOTOPE LABORATORY		
RADIOIODINE		
Number of New Tracer Studies	410	401
Number of Repeat Tracer Studies	173	137
Number of New Patients Given Treatment	32	20
Number of Patients Retreated	12	8
Total Studies & Treatments	627	566
Total Number of Millicuries Used for Treatment	496.2	423.3
URINARY EXCRETION & CONVERSION RATIO STUDIES		
Urinary Excretion Studies	8	6
Conversion Ratio Studies	27	10
T-3 Studies	31	5
Triolein Studies	20	19
Oleic Acid Studies	1	0
RADIOPHOSPHORUS		
Total Number of Patients Treated	27	16
Number of New Patients Given Treatment	16	9
Number of Patients Retreated	11	7
Eye Tumor Diagnosis Studies	21	15
Total Number of Millicuries Used for Treatment	72	79.1
Total Number of Millicuries Used for Eye Studies	10.5	7.5
Thyroid Nodule Studies	0	4
Total Number of Millicuries Used for Nodule Studies		2
RIHSA BLOOD VOLUME STUDIES		
Number of Studies	166	59
Brain Scans RIHSA and HG-203	15	0
RADIOACTIVE CHROMIUM RED CELL & SURVIVAL STUDIES		
Blood Volume Studies	24	19
Survival Studies	27	31
Fe-59 Studies	0	0
Cr-51 Albumin Studies	0	2
RADIOACTIVE GOLD LIVER SCAN		
Number of Liver Scans	0	33
Number of Millicuries Used for Scans	0	2.275
(cont'd)		

THE MEDICAL BULLETIN

X-Ray Therapy Department (cont'd)

TYPE OF TREATMENT	1961-62	1962-63
COBALT 57 - B-12 STUDIES		
Number of CO-57 - B-12 Studies	119	180
Number of CO-57 - B-12 Studies, Intrinsic Factor	38	23
Number of CO-60 - B-12 Studies	7	0
Number of CO-60 - B-12 Studies, Intrinsic Factor	1	0
SPECIAL DIAGNOSTIC STUDIES USING RADIOACTIVE IODINE, SELENIUM & MERCURY		
Brain Scans Using Hg-203	0	205
Liver Scans Using I-131 Rose Bengal	0	74
Renograms Using I-131 Hippuran	0	59
Pancreas Scans Using Se-75	0	7
Heart Scans Using Hippuran I-131	0	2
Rose Bengal Clearance	0	9
Rose Bengal Differential Diagnosis	0	2
Renoscans Using Hy-203	0	8
BLOOD VOLUME STUDIES DONE ON CONTRACT WITH MISS SHARON GEMMILL	686	524

THE MEDICAL BULLETIN

MEDICAL RECORD DEPARTMENT

1962-63

Chart Service

Approximately 220,648 records were handled by the Medical Record Department during the year 1962-1963. Comparative figures for 1961-1962 are shown.

	<u>1961-62</u>	<u>1962-63</u>
Insurance reports	8,250	9,356
Studies and follow-up	30,278	22,516
Clinic visits	124,940	128,585
Miscellaneous calls, file room	14,845	19,263
Hospital admissions	15,542	16,928
Information desk (phone calls)	21,364	24,000
Totals	215,219	220,648

Research Projects

22,516 records were pulled for studies and follow-up. Included in this count are one hundred nine regular studies, six long-term studies completed, nineteen temporarily discontinued, and four re-activated.

Stenographic Department

Letters Transcribed-----		35,778
Discharge-----	14,610	
Out-Patient-----	20,317	
Miscellaneous-----	851	
Operations Transcribed-----		15,762
General Surgery-----	13,658	
Cystoscopies-----	2,104	
Pathological Tissues-----		21,163
Autopsies-----		976

THE MEDICAL BULLETIN

NUTRITION DEPARTMENT

1962-63

RAW FOOD COST

Patients	\$ 226,304.07
Masonic Patients	<u>28,326.19</u>
	254,630.26
Cafeteria & Operating Room	<u>84,368.91</u>
Total	\$ 338,999.17

MEALS SERVED

Patients	690,951
Masonic Patients	<u>72,903</u>
	763,854
Cafeteria	<u>189,791</u>
	953,645

AVERAGE RAW FOOD COST PER DAY

Patients	\$ 620.01
Masonic Patients	77.61
Modified Diets	210.27
Cafeteria	231.15

RAW FOOD COST PER PATIENT

	Per Meal	Per Day
Patients	\$.331	.993
Masonic Patients	.389	1.167
Modified Diets	.41	1.23
Cafeteria	.428	1.284

DISTRIBUTION OF RAW FOOD COSTS

General trays & Floor supplies	\$ 143,296.15 (42%)
Masonic Kitchen	28,326.19 (.089%)
Modified Diet Kitchen	76,750.64 (.223%)
Metabolic Kitchens	1,093.74 (.003%)
Formula Room	2,487.06 (.007%)
Patients' Parties	2,676.48 (.008%)
Cafeteria	81,228.48 (24%)
Operating Rooms	<u>3,140.43 (.01%)</u>
Total	\$ 338,999.17 (100%)

COMPARATIVE COSTS

	1961-62		1962-63	
Raw Food Cost	\$ 332,848.72		\$ 338,999.17	
Patients	251,530.23 (75.5%)		254,630.26 (75%)	
Cafeteria	81,318.49 (24.5%)		84,368.91 (25%)	
Meals Served	959,915		953,645	
Patients	721,529 (76%)		763,854 (80%)	
Modified Diets	219,423 (30%)		204,273 (27%)	
Cafeteria	238,386 (24%)		189,791 (20%)	
Raw Food Cost				
	<u>Per Day</u>	<u>Per Meal</u>	<u>Per Day</u>	<u>Per Meal</u>
Patients	\$ 1.044	.348	\$.993	.331
Masonic Patients	1.128	.376	1.167	.389
Cafeteria	.984	.328	1.284	.428

THE MEDICAL BULLETIN

DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION

During the past year the number of patients treated in the Rehabilitation Center again showed an increase over that of the previous year. Table I summarizes the statistics for the past year and provides comparative figures for 1961-1962 and for the year 1954-1955 when the Center opened. During the eight-year period since the Center opened, the patient load and the number of treatments have doubled. Table I also lists the percentage increase since 1954-1955 for the treatments provided by each section of the Center.

Table II presents the occupational status of patients discharged from the Rehabilitation Center during the past year.

There were 57,913 patient visits to the Rehabilitation Center by 4,479 patients during the past year. In 1961-1962 there were 62,850 patient visits by 4,084 patients.

Table III summarizes the statistics relative to the Rehabilitation Ward. During the past year there were 105 patients admitted to the station for rehabilitation center programs. It is to be noted that about 74 per cent of the patients were hemiplegics and 18 per cent were quadriplegics or paraplegics. The average stay for patients was 38 days, and the average charge for rehabilitation services, exclusive of room, board, and laboratory charges, was \$8.90 a day or about \$338.00 for the period of hospitalization.

Tables IV and V present the detailed statistical information of the Rehabilitation center operations and of the Physical Medicine and Rehabilitation Service.

PHYSICAL MEDICINE & REHABILITATION

Table I

Summary of Rehabilitation Center Services

	1954-55			1961-62			1962-63			Percent Increase Over 1954-55
	Out-Pt.	In-Pt.	Total	Out-Pt.	In-Pt.	Total	Out-Pt.	In-Pt.	Total	
Patients	415	1,612	2,027	729	3,355	4,084	736	3,743	4,479	138%
Patient Visits	6,822	33,018	39,840	7,956	54,894	62,850	7,800	50,113	57,913	45
Total Treatments	14,045	49,620	63,665	28,059	106,166	134,225	31,872	111,577	143,449	125
Treatments by Sections:										
Physical Therapy	11,516	19,685	31,201	17,605	57,704	75,309	20,499	62,778	83,277	167
Occupational Therapy*	1,174	28,318	29,492	918	45,882	46,800	1,225	45,745	46,970	59
Speech Therapy	723	339	1,062	1,887	832	2,719	1,585	713	2,298	116
Prevocational	93	503	596	5,353	1,332	6,685	6,836	2,002	8,838	1,383
Vocational Counseling	539	775	1,314	2,296	416	2,712	1,727	339	2,066	57
*Occupational Therapy (Sub totals):										
Rehab. Center Units	1,174	8,382	9,556	918	12,944	13,862	1,225	11,936	13,161	38
Special Service Units		19,936	19,936		32,938	32,938		33,809	33,809	70

THE MEDICAL BULLETIN

PHYSICAL MEDICINE & REHABILITATION (cont'd)

Table II

Occupational Status of Patients Discharged from Rehabilitation Center

Resumed occupation at previous place of employment	267
Resumed occupation at new place of employment	3
Resumed previous self-employed occupation	21
Resumed previous homemaking activities	338
Resumed previous schooling	511
Resumed preschool activities	143
Unemployed	104
Retired	106
Started on a new occupation at previous place of employment	3
Started on a new occupation at a new place of employment	24
Started on a self-employed occupation	1
Started on homemaking activities	4
In college (business or academic)	11
In high school (regular or vocational)	5
Correspondence course	1
Started on-the-job training	
Started in a sheltered or rehabilitation workshop	1
Started on a homebound program	3
Unemployable	30
Ready for placement but not placed at time of discharge	9
Further investigation required	46
Deceased	55
Temporarily discharged from a Rehabilitation Center program	268
Transferred to nursing home or another hospital	113
No treatment	90
Total	2,157

THE MEDICAL BULLETIN

PHYSICAL MEDICINE & REHABILITATION (cont'd)

Table III

Comparative Report of Rehabilitation Ward -- Station 22

	<u>1961-62</u>	<u>1962-63</u>
Total days of Rehabilitation Center treatments for discharged patients	3,562	4,033
Average days of treatment per patient	35	38
Total Rehabilitation Center charges for discharged patients	\$ 31,293.00	\$ 35,526.00
Average charge per patient	303.82	338.34
Average daily charge per patient	8.68	8.90
Men	67	57
Women	36	48
	<u>103</u>	<u>105</u>

Age Categories

Under 20	5
20-29	24
30-39	12
40-49	7
50-59	25
60-69	20
70 and over	<u>12</u>
Total	<u>105</u>

Disease Categories

Hemiplegia	25
Quadriplegia	9
Paraplegia	10
Fractures	2
Polio	3
Amputee	13
Arthritis	5
Neurological	26
Cerebral Palsy	2
Miscellaneous	<u>10</u>
Total	<u>105</u>

THE MEDICAL BULLETIN

PHYSICAL MEDICINE & REHABILITATION (cont'd)

Table IV			
CENSUS			
<u>Patients Treated</u>			
	<u>Out-Pt.</u>	<u>In-Pt.</u>	<u>Total</u>
Rehabilitation Center	736	1,577	2,313
Pediatrics Occupational Therapy		880	880
Adult Psychiatry O.T.		485	485
Child Psychiatry O.T.		121	121
Masonic O.T.		<u>680</u>	<u>680</u>
TOTALS	736	3,743	4,479
<u>Patient Visits</u>			
	<u>Out-Pt.</u>	<u>In-Pt.</u>	<u>Total</u>
Rehabilitation Center	7,800	16,304	24,104
Pediatrics Occupational Therapy		5,730	5,730
Adult Psychiatry O.T.		18,258	18,258
Child Psychiatry O.T.		4,560	4,560
Masonic O.T.		<u>5,261</u>	<u>5,261</u>
TOTALS	7,800	50,113	57,913
<u>Physical Medicine & Rehabilitation Service</u>			
	<u>New</u>	<u>Revisits</u>	<u>Total</u>
Out-Patient Clinic	1,654	3,753	5,407
In-Patient Consultations	<u>1,267</u>	<u>481</u>	<u>1,748</u>
TOTALS	2,921	4,234	7,155
(cont'd)			

THE MEDICAL BULLETIN

PHYSICAL MEDICINE & REHABILITATION (cont'd)

Table IV (cont'd)			
	<u>Treatments</u>		
	<u>Out-Pt.</u>	<u>In-Pt.</u>	<u>Total</u>
<u>Physical Therapy Section</u>			
Thermotherapy	2,122	1,141	3,263
Hydrotherapy	2,462	5,642	8,104
Electrotherapy	143	381	524
Massage	3,351	3,044	6,395
Ultraviolet	441	2,227	2,668
Therapeutic Exercise	11,980	50,319	62,299
ADL		24	24
TOTALS	20,499	62,778	83,277
<u>Occupational Therapy Section</u>			
<u>Center Unit</u>			
Supportive	322	5,082	5,404
Functional	769	5,928	6,697
ADL	134	926	1,060
TOTALS	1,225	11,936	13,161
<u>Special Service Units</u>			
Pediatrics		5,730	5,730
Adult Psychiatry		18,258	18,258
Child Psychiatry		4,560	4,560
Masonic		5,261	5,261
TOTALS		33,809	33,809
<u>Speech Therapy Section</u>			
Evaluation	189	168	357
Training	1,396	545	1,941
TOTALS	1,585	713	2,298
<u>Prevocational Section</u>			
Evaluation	6,836	2,002	8,838
TOTALS	6,836	2,002	8,838
<u>Vocational Section</u>			
Patient Counseling	1,633	336	1,969
Job Placement	94	3	97
TOTALS	1,727	339	2,066
<u>Total Treatments, Physical Medicine & Rehabilitation Service</u>			
TOTALS	31,872	111,577	143,449

THE MEDICAL BULLETIN

PHYSICAL MEDICINE & REHABILITATION (cont'd)

Table V

Classifications of Patients Admitted 1962-63

County	1,629
Per Diem	1,071
Private	1,147
Baker Plan	6
Special Funds	141
SHS	133
Teaching & Research	61
Total	4,188

Age Classification of Patients Admitted 1962-63

5 and under	506
6 - 15	1,078
16 - 51	1,485
52 - 64	673
65 and over	446
Total	4,188

Categories of Disease or Disabilities of Patients Admitted 1962-63

1. Infections and parasitic diseases	36
2. Neoplasms	755
3. Metabolism - allergies, endocrine, metabolic and nutritional diseases	164
4. Blood dyscrasias - diseases of the blood	103
5. Mental, psychoneurotic and personality disorders	742
6. Diseases of the nervous system and sense organs	558
7. Diseases of the circulatory system	187
8. Diseases of the respiratory system	65
9. Diseases of the digestive system	68
10. Diseases of the genito-urinary system	220
11. Diseases of the skin	59
12. Diseases of bone and organs of movement	419
13. Congenital malformations	251
14. Symptomatic conditions - senility and ill-defined conditions	196
15. Accidents, poisoning, and traumatic injuries	309
A. Amputations	59
B. Fractures	66
C. Sprains, strains	114
D. Lacerations	14
E. Burns	37
F. PNI	19
16. Speech disorders and involvements	56
Total	4,188

THE MEDICAL BULLETIN

SOCIAL SERVICE DEPARTMENT Statistical Report 1962-63

Medical Social Work

Total Number of Cases - 9,633

Position

I.....	Admissions _____	
	New Medicine	
	Medical Specialties	
	Dermatology Patients on 32.....	798
II.....	Surgery Clinics & Stations _____	
	Urology Clinics & Stations	
	Orthopedic Clinics & Stations.....	618
III.....	Pediatric Clinics & Stations.....	881
IV.....	Medical Stations _____	
	Eye Clinic & Stations.....	658
V.....	Obstetrics & Gynecology - _____	
	Clinics & Stations.....	1,746
VI.....	Physical Medicine & Rehabilitation - _____	
	Clinics & Stations.....	602
VII.....	Neurology Clinics _____	
	ENT -- Audiology (children also).....	646
VIII.....	Neurology Stations.....	415
IX.....	Heart Hospital Clinics & Stations.....	983
X.....	Masonic Memorial Hospital _____	
	Tumor & Chemotherapy Clinic.....	1,267
*XI.....	830
*XII.....	189

*Position carried by staff on substitution basis.

(cont'd)

THE MEDICAL BULLETIN

SOCIAL SERVICE DEPARTMENT
Statistical Report
(cont'd)

Psychiatric Social Work

Total Number of Cases - 4,727

Position

I.....Child Psychiatry Clinics & Stations....	773
II.....Adult In-Patient Services.....	431
III.....Out-Patient Psychiatry Clinics.....	3,393
*IV.....Group Work Service.....	130

*Began February 1, 1965.

TOTAL CASES:

Medical Social Work	9,633
Psychiatric Social Work	<u>4,727</u>
	14,360

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

Variety Club Heart Hospital

DEPARTMENT	1961-62		1962-63	
OUT-PATIENT SERVICE				
Clinic Attendance				
Adult				
New	59		122	
Old	<u>1,986</u>	2,045	<u>1,921</u>	2,043
Pediatrics				
New	356		367	
Old	<u>2,524</u>	<u>2,880</u>	<u>2,217</u>	<u>2,584</u>
TOTALS		4,925		4,627
Registration Fee				
Laboratory	\$ 2,998.50		\$ 4,467.24	
Drugs	14,513.55		16,006.40	
X-Ray	75.50		71.55	
	<u>2,101.95</u>		<u>4,467.24</u>	
TOTALS	\$19,689.50		\$25,012.43	
Heart Hospital X-Ray				
In-Patient	2,750		2,970	
Out-Patient	<u>1,647</u>	4,397	<u>1,691</u>	4,661
No. Patients	4,397		4,661	
No. X-Rays	5,501		5,154	
Heart Catheterization Laboratory				
Heart Catheterizations	884		1,173	
Average (Monthly)	73.6		97.8	
Laboratory Procedures				
Total for Year	18,705		19,416	
Monthly Average	1,559		1,618	
IN-PATIENT SERVICE				
Admissions	(201) 836		(201) 963	
	(301) <u>877</u>	1,713	(301) <u>942</u>	1,905
Transfers (In)	(201) 189		(201) 214	
	(301) <u>287</u>	476	(301) <u>276</u>	490
Transfers (Out)	(201) 237		(201) 295	
	(301) <u>298</u>	535	(301) <u>316</u>	611
Discharges	(201) 685		(201) 816	
	(301) <u>779</u>	1,464	(301) <u>859</u>	1,675
(cont'd)				

THE MEDICAL BULLETIN

COMPARATIVE TWELVE-MONTHS REPORT

Variety Club Heart Hospital (cont'd)

DEPARTMENT	1961-62	1962-63
IN-PATIENT SERVICE (cont'd)		
Deaths (201)	81	64
(301)	<u>57</u> 138	<u>48</u> 112
Patient Days (201)	11,908	11,916
(301)	<u>10,972</u> 22,880	<u>10,577</u> 22,493
Average Census (201)	33	32.6
(301)	30 63	28.9 61.5
Occupancy (Per cent) (201)	86%	85.8%
(301)	77%	72.0%
Total for Hospital	81%	78.7%
Average Length (201)	14	12.3
of Stay (Days) (301)	13	11.2
Total for Hospital	14	11.8

Medical School Faculty

1963 - 64

ADMINISTRATION

COLLEGE OF MEDICAL SCIENCES

Robert B. Howard,
Dean

H. S. Diehl,
Dean Emeritus

N. L. Gault, Jr.,
Assistant Dean

H. Mead Cavert,
Assistant Dean

Raymond N. Bieter,
Director, Division of
Special Educational
Services

COMPREHENSIVE CLINIC

Richard M. Magraw,
Director

Edward Defoe,
Assistant Director

UNIVERSITY OF MINNESOTA HOSPITALS

Ray M. Amberg,
Director & Professor

Gertrude M. Gilman,
Senior Associate Director
& Professor

Gerard W. Frawley
Associate Director,
Service & Supply, &
Assistant Professor;
Manager of the Variety
Club Heart Hospital

Glenn R. Mitchell,
Associate Director &
Assistant Professor;
Manager, Outpatient
Department;
Fiscal Officer

Merle McGrath,
Fiscal Service Manager
& Instructor

Ames Early,
Assistant to Director

Helborg Gilbertson,
Secretary to the Director
of the University
Hospitals

Ethel Harrington,
Personnel Officer

Philip W. Hursh, M.D.,
Hospital Health Officer

Florence Julian,
Professor & Director
of Nursing Services

Betty Pederson,
Assistant Director of
Nursing Services &
Associate Professor
Annie Laurie Baker,
Director & Professor of
Social Service
Audrey Coulter,
Administrative Dietitian
& Associate Professor
Charles Dopking,
Supervisor of X-Ray
Services

Grace Mary Ederer,
Assistant to Director of
Hospital Laboratories
& Instructor
Angeline Felknor,
Professor & Director
of Hospital
Nutrition Service

Hazel Foss,
Senior Telephone
Operation Supervisor

Irene Foster,
Coordinator of Volunteer
Service
Mildred Jackson,
Director, Powell Hall

Leonard Leipus,
Hospital Central
Supply Supervisor

Margaret McHugh,
Executive Housekeeper

John Parker,
Assistant Professor &
Director of Medical
Illustration &
Photography

Marie Perrault,
Chief Pharmacist
Walter Petrykowski,
Hospital Maintenance
Supervisor

Bertha Pfenminger,
Medical Records
Supervisor

Glenn Gullickson, M.D.,
Director of Rehabilita-
tion Center

Professor

J. Francis Hartmann
Charles F. Morgan
R. Dorothy Sundberg
Lemen J. Wells

Associate Professor
Anna-Mary Carpenter
William J. L. Felts

Assistant Professor Emeritus
Shirley P. Miller

Assistant Professor
Carl B. Heggstad
Morris Smithberg

Research Associate
Elmo Brekhus
Padmakar Dilshitt
Lucille J. Hollund
Edna Speidel

Research Fellow
G. Eric Bauer
Mary Jane Buckman
Carl T. Friz

Stuart H. Heald
Philip A. Jedlicka
Arnold W. Lindall
Knud Midtgaard
Carl R. Morgan
Oscar M. Tangeo

Non-Service Fellow
Bruce M. Carlson
Harold Hofstrand
David L. Wright

Teaching Assistant
Jan Henry Bergert
Wendell W. Boone
Caroline Czarniecki
Stanley L. Erlanson
John H. Honour
Gordon J. Lester
James Morehead
Leonard R. Murrell
Lois Neukirch
Joseph L. Rigatuso
Donald W. Robertson
Frank Saccoman
Michael Schweisthal
Thomas Uchytill
Mary E. Whitmore
Henry M. Yoshihara

ANATOMY

Professor and Head
Department
Arnold Lazarow

Professor Emeritus
E. A. Boyden

ANESTHESIOLOGY

Frederick H. Van Bergen,
Professor & Head

Professor Emeritus
Ralph T. Knight

THE MEDICAL BULLETIN

Professor

Joseph J. Buckley

Associate Professor

James H. Matthews

Assistant Professor

John R. Gordon

Van S. Lawrence

Earl A. Schultz

Clinical Assistant Professor

Russell W. Bagley

J. Albert Jackson

Robert C. Knutson

Instructor

Charles F. Galway

Hugh D. Westgate

Clinical Instructor

Edward G. Hustad

Medical Fellows

Belshe, Joseph C.

Brigg, Miroslaw

Crum, Arthur Zeise

Cumming, James F.

Delaney, Royal Willey

Destache, Donald

Dupont, Joseph

Engwall, Richard L.

Espelien, Allan D.

Evangelista, Teofilo L.

Fedders, Skaidrite

Gokcen, Barbara

Hedenstrom, Charles W.

Johnston, Donald R.

McGovern, William A.

Moses, Rosalind

Moss, Nyel H.

Moussa, Ariga Hussein

Peterson, John A.

Rydberg, John S.

Scanlon, Patrick J.

Scharf, John R.

Schilling, Lumen Borja

Schochet, Howard L.

Shahidi, Massoud

Shea, James J.

Stenzel, Donald Anthony

Stiehler, Hans

Swayze, Claude

Symchych, Boris Elias

Tehou, Mien Fa

Wier, George Thomas

BIOCHEMISTRY

Wallace D. Armstrong,
Professor & Head

Professor

Cyrus P. Barnum, Jr.

Ellis S. Benson

Ivan D. Frantz

Ralph T. Holman

Associate Professor

Charles W. Carr

Helmut R. Gutmann

Leon Singer

Frank Ungar

John F. Van Pilsun

Richard W. Von Korff

Donald B. Wetlaufer

Assistant Professor

Robert W. Bernlohr

Curtis H. Carlson

James F. Koerner

Instructor

Mary E. Dempsey

Lecturer

Ulysses S. Seal

Quenton T. Smith

Research Associate

Rex E. Lovrien

John Colla

George J. Schroepfer

James J. Vogel

Research Fellow

Kim Y. Chang

Major L. Cohn

William M. Fogarty, Jr.

Bernard Pollara

John Yarbrow

Teaching Assistant

Catherine Bauer

William C. Buh

William P. Cane

Helen M. Cost

Richard E. Erickson

Sally E. Jorgensen

Richard L. Kellor

Patricia M. Lewis

Mary Lou Moberley

Glen E. Mott

Lyle F. Norton

Walter Nichaus

Merle S. Olson

Nell R. Ray

Research Assistant

Yung Sung Choi

Lidia Filonowich

Anne Peterson

Enayat M. Tewfik

Non-Servicc Fellow

Dorr Dearborn

Ronald Elin

David Peterson

David Youel

CONTINUATION
MEDICAL
EDUCATION

W. Albert Sullivan, Jr.,
Director, & Associate
Professor of Surgery

INTERNAL MEDICINE

Cecil J. Watson,
Distinguished Service
Professor & Head

Professor Emeritus

Moses Barron

George E. Fahr

J. Arthur Myers

S. Marx White

Clinical Professor Emeritus

Reuben A. Johnson

Professor

Ivan D. Frantz

Wendell H. Hall

James F. Hammarsten

Frederick W. Hoffbauer

Robert B. Howard

Samuel Schwartz

Wesley W. Spink

Leslie Zieve

Clinical Professor

Reuben Berman

John H. Briggs

E. P. K. Fenger

Arthur C. Kerkhof

Thomas Lowry

R. S. Ylvisaker

Clinical Associate Professor

Emeritus

James B. Carey, Sr.

Carl B. Drake

Donald McCarthy

Chauncey A. McKinlay

Thomas A. Peppard

Clinical Associate Professor

Donald S. Amatuzio

Karl W. Anderson

Rolf L. Andreassen

Paul J. Bilka

John J. Bochrer

Joseph F. Borg

Sumner S. Cohen

David M. Craig

William R. Fifer

Richard J. Frey

Delmar R. Gillespie

Robert A. Green

Douglas P. Head

William H. Hollinshead

Howard L. Horns

Milton M. Hurwitz

Wyman E. Jacobson

John W. LaBree

Harold E. Miller

J. C. Miller

O. L. Norman Nelson

Herbert F. R. Plass

L. Raymond Scherer

Horatio B. Sweetser, Jr.

A. Boyd Thomes

Lowell W. Weber

THE MEDICAL BULLETIN

Macnider Wetherby
Asher A. White
J. Allen Wilson

Associate Professor

James B. Carey, Jr.
N. L. Gault, Jr.
Frederick C. Goetz
B. J. Kennedy
Frank M. MacDonald
Richard M. Magraw
Harold C. Muchmore
M. J. Murray
Alvin L. Schultz
Louis Tobian, Jr.
C. Paul Winchell
Horace H. Zinneman

Assistant Professor

Arnold Adicoff
Carl S. Alexander
Alfred Doscherholmen
Edmund Eichhorn
Abraham Falk
John Jenne
Dennis Kane
James P. Lillehei
Naip Tuna
Yang Wang
Ralph C. Williams, Jr.

Clinical Assistant Professor

Robert D. Blomberg
Donald G. Bohn
James C. Dahl
Robert E. Doan
John G. Fee
Benjamin F. Fuller, Jr.
Albert J. Greenberg
Earl Hill
John E. Holt
Wayne L. Hoseth
Martin E. Janssen
Herbert W. Johnson
John W. Johnson
David G. Jones
Walter F. Larrabee, Jr.
George X. Levitt
Robert E. Lindell
Charles E. Lindemann
Russell C. Lindgren
Paul T. Lowry
James C. Mankey
Frank E. Martin
William F. Mazzitello
Charles N. McCloud, Jr.
Burtis J. Mears
Johannes K. Moen
James G. Myhre
Valentine O'Malley
William E. Petersen
Fred A. Rice
Dean K. Rizer
George C. Roth
Alan P. Rusterholz
Joseph M. Ryan

Marguerite Schwyzer
Andrew W. Shea
Philip H. Soucheray
Donald B. Swenson
Francis B. Tiffany
Richard B. Tregilgas
Frank A. Ubel
A. Cabot Wohlrahe

Instructor

Ausma S. Blumentals
Graham Beaumont
John H. Burns
Thaddeus Chao
Richard B. Davis
Richard P. Doe
Alfred Eichenholz
Joyce L. Funke
Maynard E. Jacobson
Henry A. Johnsen, Jr.
Robert J. McCollister
Harold D. Miller
Robert O. Mulhausen
Frank Q. Nuttall
Richard A. Pfohl
Frank Preston
Harold G. Richman
Marcus B. Shook
Nejat Turkbas
Frank A. Wollheim
John W. Yarbro

Clinical Instructor

Alfred F. Anderegg
David Berman
Henry S. Bloch
Henry B. Blumberg
Paul F. Bowlin
John G. Bradley
Rene Braun
Robert B. Breitenbucher
Malcolm D. Clark
Ephraim B. Cohen
Henry W. Cohen
Donald E. Derauf
Donald A. Duncan
Hugh A. Edmondson
Rodney W. England
John N. Ferguson
David L. Fingerman
Stanley A. Fruchtman
A. S. Gilbertsen
Muharrem Gokeen
David Gold
William L. Hedrick
Wilbert J. Henke
Kjeld O. Huseby
Darwin F. Johnson
Harold B. Kaiser
Harold A. Kaplan
Markle Karlen
Charles P. Kolars
Jeanette K. Lowry
Aaron L. Mark
Dwight L. Martin
Robert A. Maslansky

James L. McKenna
Winston R. Miller
William D. Nessel
Franklin C. Norman
William A. O'Brien
Earl T. Opstad
William J. Paule
David A. Randall
Thomas M. Recht
Paul D. Redleaf
William D. Remole
A. McDonnell Richards
Rudolph J. Ripple
Raymond W. Scallan
Donald G. Vellek
J. A. Vennes
F. Douglas Whiting
Richard C. Woelner
Donald W. Woodley

Lecturer

Henry W. Blackburn, Jr.

Medical Fellows

(University Hospitals)

Ernesto Arosmena
John H. Brown
Robert L. Coupe
Ronald H. Dietzman
Paul F. Engstrom
Frederick C. Ewald
Richard M. Finkel
Arthur H. L. From
Vincent L. Fromke
Gerald J. Goldenberg
Robert B. Howe
James N. Karnegis
Peter F. Kohler
Thomas G. Lawrence
Richard B. Moore
Robert E. Olson
Jack L. Reddin
Luigi Taddeini

(Ancker Hospital)

Madeline Adcock
John Brinkman
Joe P. Chang
George W. Ibrahim
Jane Self
Harold Windschitl

(Minneapolis General Hospital)

Sigrid A. Bachmann
Alphonso Belsito
David C. Brown
Joseph A. Callan
Stuart T. Chen
William D. Flory
Frederick Gobel
Benjie Goldfarb
Daniel H. Gregory
Robert P. Gruninger
Charles A. Hall
Kamal M. Jain
Daniel T. Johnson

THE MEDICAL BULLETIN

Sidney E. Johnson
 Charles R. Jorgensen
 Mohammed Khan
 Lowell L. Kvam
 Herbert Lauritzen
 Irving Lerner
 Thomas E. Layman
 Beatrice A. Mulford
 Byron U. Musa
 Richard G. Neidballa
 Bruce Nydahl (8/15/63)
 Ronald J. Rosandich
 Gregory L. Seifert
 David E. Siewert
 Stephen E. Silvas
 Pierre Sterlin
 Frederick W. Walker
 Eduardo P. Wyse
 (Mount Sinai Hospital)
 Dale Bergeron
 Waldemar Cruz
 Rafael Guerrero
 Ambrosio Medina

Research Associate
 Francesco DeMatteis
 Walter J. Runge
 F. George Zaki
Research Fellow
 William C. Krueger

DIVISION OF DERMATOLOGY

Francis W. Lynch,
 Professor & Director
Professor Emeritus
 Henry E. Michelson
 S. E. Sweitzer
Clinical Associate Professor
 Stephan Epstein
 Isadore Fisher
 Robert W. Goltz
 Harold G. Ravits
 John G. Rukavina
*Clinical Associate
 Professor Emeritus*
 Harry G. Irvine
Clinical Assistant Professor
 Frederic T. Becker
 Elmer Hill
 Irvine M. Karon
 Elmer M. Rusten
Instructor
 Ramon M. Fusaro
Clinical Instructor
 Charles J. Balogh
 Elmer T. Ceder
 Manuel Jaffe
 Thomas J. Kalb
 Sheldon L. Mandel
 Orville E. Ockuly
 Milton Orkin
 Nadine G. Smith
 James L. Tuura

C. Gordon Vaughn
 Alvin S. Zelikson
Medical Fellows
 David W. Anderson
 Bruce J. Bart
 Elizabeth Haaland
 Saemundar Kjartansson
 Thomas Leavy
 Kenneth P. Manick
 Darlene D. Martenson
 Edward S. Peterka
 Willard C. Peterson, Jr.
 Ralph E. Reeds, Jr.
 Edwin G. Rice
 Manly Rubin
 Elliott Rustad
 David J. Strang
 Hadley R. Young
Research Associate
 Quenton T. Smith
 Dorothy B. Windhorst

LABORATORY MEDICINE

Gerald T. Evans,
 Professor & Head
Professor
 Ellis S. Benson
 R. Dorothy Sundberg
Associate Professor
 Robert Bridges
 Paul Lober
 Fernando Torres
 Franklin Wallace
 Newell Ziegler
Assistant Professor
 Douglas Nelson
 Joseph St. Geme
 Naip Tuna
 Yang Wang
 Edmond Yunis
 Jorge Yunis
Clinical Assistant Professor
 Leonard Crowley
 Edward Segal
 Martin Segal
Instructor
 Paul E. Strandjord
Clinical Instructor
 Paul Finley
 Aina Galejs
*Assistant Scientist
 and Instructor*
 Ben Hallaway
Medical Fellow Specialist
 S. Steven Barron
 G. Mary Bradley
 Richard Brunning
 Robert Carman
 David Duffell

Ed Hendricks
 William Luft
 John Raich
 Wayne Schrader
 Seth Shaw
 Thomas Swallen
 Earl Trucker
 Patrick Ward
Non-Service Fellow
 Marlys St. Cyr

DIVISION OF MEDICAL TECHNOLOGY

Ruth Hovde,
 Associate Professor
 & Director
Assistant Professor
 Patricia Bordewich
 Grace Mary Ederer
 Esther Freier
 Lorraine Gonyea
 Elaine McMaster
 Verna Rausch

Instructor
 Kathleen Clayton
 Joycelyn Duncan
 Kathryn Hammer
 Jean Jorgensen
 Lila Wengler
*Veterans Administration
 Hospital*
 Frances Casey
 E. Marie Dammann
 Arthur Sanders
Teaching Assistant
 W. Boone Mora

MICROBIOLOGY

John Spizzzen,
 Professor & Head
Professor
 S. Gaylen Bradley
 Edwin L. Schmidt
 Dennis W. Watson
Associate Professor
 K. Gerhard Brand
 Martin Dworkin
 Leroy C. McLaren
 Louis H. Muschel
 Palmer Rogers, Jr.
Assistant Professor
 Dwight L. Anderson
 Robert W. Bernlohr
 Brooks D. Church
 Ronald W. Hinz
 Joseph W. St. Geme
 John E. Verna
Instructor
 Terence M. Joys
 Mary E. Pollock
 James T. Prince
 Richard E. Shope, Jr.

THE MEDICAL BULLETIN

Research Associate

Roswell S. Coles
N. Jacqueline Ellis
Russell C. Johnson
Douglas E. Lorenz

Teaching and Research Assistant

Dorothy C. Anderson
Rufus O. Bankole
Robert P. Burchard
Godehardo B. Calleja
Matha K. Canner
Connie Clark
William J. Cooney
Lance B. Crombie
Walter Flugel
Roberta A. Flynn
Gregory R. Germaine
Edgar E. Hanna
Herbert J. Hatcher
Gerald R. Haywood
Beulah M. Holmes
Jean A. Hyslop
Terry C. Johnson
Lily A. Jones
Muhammad R. Karim
Yoon Berm Kim
Mary Jane Klun
Robert A. Kolstad
L. Charles Landman
William F. Liljemark
Claus Leitzmann
Robert J. Mathews
John A. Mayo
Thomas E. Miller
Chee Ping Ng
Margot Noall
Nancy A. Nyquist
James D. Punch
Robert F. Ramaley
W. Scott Ramsey
Bernard E. Reilly
Howard J. Singer
Robert Soll
Patricia A. Torske
Clifford A. Waters
Benjamin J. Watson
Phyllis M. Webb
John A. Wise
Lucretia N. D. Yuch

MINNESOTA MEDICAL FOUNDATION

Eivind Hoff, Jr.,
Executive Director

SCHOOL OF NURSING

Edna L. Fritz,
Professor & Director

Katharine Densford
Dreves, Professor &
Director Emeritus

*Associate Professor and
Assistant Director*
M. Isabel Harris

Associate Professor
Garland K. Lewis

Assistant Professor
Marilyne R. Backlund
Florence M. Brennan
Nancy L. Cook
Frances E. Dunning
Margaret F. Grainger
Eugenia R. Taylor
Dorothy E. Titt
Elizabeth A. Whitney

Instructor

Mary Ann L. Baas
Peggy J. Brown
Irene L. Bryant
Margaret J. Clipper
Agnes B. Dempster
Grace M. Frejlach
Clarine O. Grefe
Helen B. Hansen
Muriel D. Hudak
Cecile Kume
Ruth O. Leo
Frances D. Moncure
Helen J. Peterson
Joann R. Rusch
Marian J. Town

OBSTETRICS AND GYNECOLOGY

John L. McKelvey,
Professor & Head

Associate Professor
Konald A. Prem

Assistant Professor
William D. Cohen
Edgar L. Makowski

Clinical Associate Professor
Alex Barno
Irving Bernstein
Donald W. Freeman

*Clinical Assistant Professor
Emeritus*

C. J. Ehrenberg
R. T. Lavake
Roy E. Swanson

Clinical Assistant Professor
John S. Gillam
Erick Y. Hakanson
George W. Janda
Leonard A. Lang
Mancel T. Mitchell
David I. Seibel

William B. Stromme
Rodney F. Sturley

Instructor

Leon L. Adcock
Fred A. Lyon
Henry C. Meeker
William N. Spellacy

Clinical Instructor
Milton Abramson
Melvin P. Baken
James R. Bergquist
Joseph F. Bicek
Ray F. Cochrane
Joseph Goldsmith
John Haugen
Albert F. Hayes
Eugene M. Kasper
Harold R. Leland
Edward C. Maeder
Owen F. Robbins
Melvin B. Sinykin
James Swendson

Clinical Assistant
Paul N. Larson
Charles H. McKenzie

Medical Fellow

Raymond J. Albrecht
Thomas A. Beck III
Robert A. Diamond
Peter E. Fehr
Stanley A. Gall
David C. Lees
Franklin D. Loffer, Jr.
Victor J. Magary
Gerald R. O'Brien
George E. Schaffhausen
Clark A. Shattuck
Charles A. Tietz
William A. Treat
John W. Utrie

OPHTHALMOLOGY

John E. Harris,
Professor & Head

Professor Emeritus
Erling W. Hansen

Clinical Professor
Walter Fink

Assistant Professor
William L. Fowlks

Research Associate
Donald F. Clausen

Clinical Associate Professor
Walter L. Hoffman
Charles I. Hymes
Robert H. Monahan
Karl E. Sandt
John P. Wendland

Clinical Assistant Professor
Frank Adair

THE MEDICAL BULLETIN

Llewellyn Christensen
 Robert R. Cooper
 Robert J. Fink
 Harry S. Friedman
 Joseph L. Garten
 Richard C. Horns
 Bourne Jerome
 Douglas L. Johnson
 Bruce L. Kantar
 R. O. Leavenworth, Jr.
 Vernon L. Lindberg
 Winston Lindberg
 Malcolm A. McCannell
 John A. McNeill
 Thomas W. O'Kane
 Harry L. Plotke
 Robert E. Roeknem
 Irving Shapiro
 Howard A. Shaw
 Leander T. Simons
 George T. Tani
 Frederic F. Wipperman

Instructor

Rolando L. Udasco

Clinical Instructor

Wilfred J. Bushard
 Richard B. Ellingson
 Charlotte W. Hill
 Robert P. Koenig
 Lydia J. Neibergs
 Sidney Nerenberg
 Thomas K. Rucker
 Donald Sterner
 Richard E. Student
 Gordon Strate

Medical Fellow

Philip Bonifer
 Charles B. Carter
 F. Thomas Ellingson
 Lowell A. Gess
 Raymond E. Gingrich
 Bernard Gregoire
 Farror Griffin
 Leslie Jacobson
 James R. Householder
 Yale C. Kanter
 Robert D. Letson
 William S. McClanahan
 Kenneth G. Newby
 Byron A. Teska
 Roy Toyama

OTOLARYNGOLOGY

Lawrence R. Boies,
 Professor & Head

Professor

Frank M. Lassman

Professor Emeritus

Henry V. Hanson

Clinical Professor

Jerome A. Hilger
 Robert E. Priest

Clinical Professor Emeritus

Anderson C. Hilding

Associate Professor

W. Dixon Ward

Clinical Associate Professor

Emeritus

John Hochfilzer

Clinical Associate Professor

Conrad J. Holmberg

Clinical Assistant Professor

Benjamin Bofenkamp

John Gleiser

Albert Hohmann

Bradley Kusske

Douglas Kusske

Kurt Pollak

Graham Smith

Harold S. Ulvestad

Clinical Assistant Professor

Emeritus

George M. Tangen

Clinical Instructor

John R. Huff

Malcolm R. Johnson

Robert L. Koller

Hyman M. Paisner

Robert Richardson

Douglas G. Robertson

George V. Tangen

Medical Fellow

John D. Banovetz

David Buran

Richard Carley

Barclay M. Cram

John D. Dickson

John V. Flannery

Patrick Griffin

Clement Herred

Severin Koop

David A. Murphy

Nathaniel Sparrow

Thomas A. Stengl

Ben Thal

PATHOLOGY

Professor and Head

James R. Dawson, Jr.

Professor Emeritus

Elexious T. Bell

Benjamin J. Clawson

Professor

Robert Hebbel

Clinical Professor

Jesse E. Edwards

Associate Professor

Paul H. Lober

Lee W. Wattenberg

John I. Coe

Clinical Associate Professor

Nathaniel Lufkin

Professor of Experimental

Pathology

Franz Halberg

Associate Professor of

Experimental Pathology

Herbert M. Hirsch

Instructor

William A. Foley

Donald F. Gleason

Erhard Haus

Robert J. McClellan

Robert E. Rydell

Bertram F. Woolfrey

Clinical Instructor

Charles H. Chedister

Frederick A. Fox

Craig Freeman

Seymour Handler

Ellen James

Allen Judd

Alan Jay

Stanley Lofsness

Frederick Lott

Martin Segal

Thomas Semba

Walter Subby

Cancer Trainee

David J. Lakatua

Medical Fellow Specialist

David R. Duffell

Ilhan Imamoglu

Kenneth A. Osterberg

David J. Rothwell

Medical Fellow

Richard W. Anderson

Owen C. Bolstad

Robert S. Eliot

Robert D. Fedor

J. Roald Fuglestad

John E. Kylo

Donald F. Levi

Dennis E. Lofstrom

Richard P. Lynch

Arnold I. Rajala

Jerome Saylor

Marshall M. Short

James E. Stevenson

Robert L. Strom

John O. Swanson

PEDIATRICS

Professor and Head

John A. Anderson

Professor Emeritus

Max Seham

Professor

Robert A. Good

Reynold E. Jensen

William Krivit

Robert A. Ulstrom

Lewis W. Wannamaker

THE MEDICAL BULLETIN

Clinical Professor

Bryng Bryngelson
Hyman S. Lippman
Albert V. Stoesser

Associate Professor Emeritus

Lillian L. Nye
L. F. Richdorf
Mildred R. Ziegler

Associate Professor

Paul Adams
Ray C. Anderson
Robert Bridges
Richard Raile

Clinical Associate Professor

Paul F. Dwan
Harold B. Hanson
David Siperstein
Robert L. Wilder

Assistant Professor Emeritus

Frank G. Hedenstrom
Edwin F. Robb
Alfred Ouellette

Assistant Professor

Elia Ayoub
Michael E. Blaw
Barbara A. Burke
Edward C. Defoc, Jr.
Keith Drummond
Robert O. Fisch
Ernest D. Gray
James J. Lawton
Harriet Morgart
Arthur Page
Raymond Peterson
Paul Quic
John Reynolds
Joseph St. Geme
Kenneth Swaiman
Homer D. Venters
Robert Vernier
Warren Warwick
James G. White
Francis Wright

Clinical Assistant Professor

Arnold Anderson
Stuart L. Arey
Northrup Beach
Eldon B. Berglund
Heinz Bruhl
Paul Ellwood
Harold Flanagan
John J. Galligan
Elizabeth Lowry
George W. Lund
Edward Nelson
Theodore Papermaster
Robert Rosenthal
Theodore Smith
Willis Thompson

Instructor

Roswith I. Lade
Alfred Michael

Clinical Instructor

William Bevis
Alice Brill
Richard T. Cushing
Donnell Etzwiler
Clayton R. Green
Evelyn E. Hartman
William Heilig
Harold Katkov
George Kimmel
Stanley Leonard
Wallace Lueck
Jack Markovitz
William Mulholland
Lloyd Nelson
Everett Perlman
Sylvester Sanfillippo
Frances E. Schaar
Albert Schroeder
Eva Shaperman
Henry Staub
Ellsworth Stenswick
Norman Sterrie
Edward K. Strem
John D. Tobin
Richard Tudor

Lecturer

Hafner, Jack A.
Lawrence Meskin
Richard W. Quast
Richard Von Korff

Research Fellow

Richard Condie
Rolf Engel
Joanne Finstad
Ann Gabrielson

Clinical Assistant

Wallace Anderson
Sol Austrian
David Bloom
Edwin Burkland
Eunice Anderson Davis
Laurence F. Erickson
Robert Gibbs
Richard Lien
Sidney Scherling
Lewis Sher
Edward F. Walsh
Walter Wilder
Merl E. Needham

Medical Fellow Specialist

Bascom Anthony
Betty Bernard
David Brown
Max Cooper
Henry Gewurz
Donald Girod
Richard C. Hard
Roger C. Herdman
Kenneth L. Jue
Fredrik Lottsfeldt
James T. Lowman
Joshua Miller

James Moller
George Noren
Santiago Prado
Gunay Raghib
Henry S. Sauls
Harvey L. Sharp
Stanley N. Stark
Jack L. Strobel

Non-Service Fellow

Olga Archer
Charles H. Good
Henry Hilgard
Bernard Pollara
Marina Yarbro

Research Assistant

Joseph J. Ferretti
Massoud Keyhani
Ender Tarjan

Medical Fellows

Ray Antley
Alan Bensman
Jerome Combs
Amos Deinard
Lloyd Fish
Gerald Golden
Ernest Hook
Haig Kazazian
Philip Marden
Mark Nesbit
Henry Rikkers
Arnold Silverman
George Skaff
Paul Stanger
Paul Symbych
Robert tenBenschel
Franklin Top

PHARMACOLOGY

Professor and Head
Frederick E. Shideman

Professor

Norman O. Holte
Gilbert J. Mannering
Wallace F. White
Harold N. G. Wright

Associate Professor

Jack W. Miller

Assistant Professor

Elizabeth M. Cranston
Akira E. Takemori

Instructor

Siret H. Ener
Ben G. Zimmerman

Teaching Assistant

Charles H. Pierce

PHYSICAL MEDICINE AND REHABILITATION

Professor and Head
Frederic J. Kottke

THE MEDICAL BULLETIN

Professor

William G. Kubicek
Frank M. Lassman

Clinical Professor

Miland E. Knapp

Associate Professor

Peter F. Briggs
Glenn Gullickson, Jr.,
Director of Rehabilitation
Center

Clinical Associate Professor

Paul M. Ellwood, Jr.

Assistant Professor

Marian L. Eliason
Daniel Halpern
Borghild Hansen
Marvin G. Lепley
Romine E. Matthews
Wilbur L. Moen
Richard P. Owen
Helen Skowlund
Auke Tellegen
Bror S. Troedsson

Clinical Assistant Professor

Ruby G. Overmann
Richard M. Steidl

Instructor

John D. Allison
Bruce Gutzmann
Martin O. Mundale
James F. Pohitilla

Clinical Instructor

W. John Dawson
Joseph P. Engel
Sarah Gault
Michael Kosiak
Arthur B. Quiggle
Herbert A. Schoening

Research Associate

Rochelle Johnson

Research Fellow

Frank E. Meelhuysen
Robert P. Patterson
Jane Rietz
Allan C. Yater

Medical Fellow

Essam Awad
Theodore M. Cole
Jessie K. M. Easton
Jerome C. Fluth
Melvin J. Goldberg
Roger P. Hallin
John F. Lane
Loren R. Leslie
Barry Miller
Mary M. Price
John E. Quast
Elizabeth B. A. Troxil

PHYSIOLOGY

Maurice B. Visscher,
Distinguished Service
Professor and Head

Professor Emeritus
Ernst Gellhorn

Professor

Eugene Grim
John A. Johnson
Joseph T. King
Nathan Lifson
Victor Lorber
Carlos Martinez
Carlo A. Terzuolo

Associate Professor

Marvin H. Bacaner
H. Mead Cavert
Charles Edwards
Rodney Harvey

Assistant Professor

James S. Beck
Irwin J. Fox
Jui S. Lee
Laurence O. Pilgeram

Research Associate

Ali Aiman Hakim
Y. Chiung Puh Lee

Instructor

R. Glen Lester
John Walker

Research Fellow

Takshiko Azuma
Alberto Binia
Joji Nagaki
Hiromasa Okada
Richard Stish
George Wermers
Daniel Weiner

Teaching Assistant

Rolf Lagerquist
Chun K. Loh

Research Assistant

Kenneth Sjodin
Carl Svare

Graduate Trainees

George Bloom
George Bonewell
Sun Hwan Chi
Eugene A. Cornelius
Leslie Cronau
Serge Dos
Joseph Fenstermacher
Frank Freedman
Boyd Goetzman
Franco Liroy
John V. Milligan
Moon J. Pak
Richard Poppele
Paul J. Schmelzer
Kathryn Thomas
John Tyberg

Kenneth Weber
Michael Yablonski

PSYCHIATRY AND NEUROLOGY

Donald W. Hastings,
Professor & Head

DIVISION OF PSYCHIATRY

Professor

Richard W. Anderson
Vera Behrendt Eiden
Robert Hinckley
Burtrum C. Schiele
Werner Simon

Clinical Professor Emeritus

Ernest M. Hammes, Sr.
Joseph C. Michael

Clinical Professor

S. Alan Challman

Associate Professor

Ian Gregory
Carl Koutsky
Richard M. Magraw
George E. Williams

Clinical Associate Professor

Irving C. Bernstein
Robert Bush
Clifford O. Erickson
Philip Feinberg
Walter Gardner
Gove Hambidge, Jr.
Frank Kiesler
Otto N. Raths, Jr.
Clarence J. Rowe
Marvin Sukov
David Vail

Assistant Professor

Titus P. Bellville
Floyd Garetz
G. Wendell Hopkins
William Jepson
Orville H. Johnson
H. Douglas Lamb
Myron Messenheimer
Sonja D. Monson
Anthony J. Pollock, Jr.

Clinical Assistant Professor

Leslie Caplan
Robert Clark
Leonard Goldman
Joyce S. Lewis, Jr.
J. Benjamin Lund
Robert Pfeiler

Instructor

Ann Margaret Bailey
Edward Bardon
Thomas Dredge, Sr.
Daniel Ferguson
Theodore Larson

THE MEDICAL BULLETIN

Abelardo Mena
 Frances Olson
 Ronald Young
Clinical Instructor
 Burton Abramson
 Jerome Bach
 Donald Daggett
 George Dorsey
 James Garvey
 William Goodchild
 Charles Haberle
 Glen Lewis
 Carl Malmquist
 Donald Mayberg
 John Mulvahill
 Igvars Nagobads
 Martin Orbuch
 Jennings Peteler
 Stanley Shapiro

Research Fellow
 James Janeczek
 Patricia Sharpley

Medical Fellow
 David Auran
 Mary Ann Braaten
 Robert Cottor
 Thomas Crowley
 Robert Cutshall
 William Davidson
 Rosemarie Eckert
 Harold Eist
 Leonard Fielding
 Robert Fischer
 Joseph Gendron
 Malka Goodman
 Manuel Gordillo
 Leo Grieben
 John Haas
 Richard Heilman
 Bruce Hiller
 Ralph Hirschowitz
 Rodney C. Johnson
 John Kelly
 Harvey Kelman
 Leonard Linnell
 Fernando Lopez
 William Luckey
 Deane Manolis
 Lawrence Mayerle
 Henry Osekowsky
 Edward Posey
 Laurence Rivkin
 Luis Tredici
 Paul Warner

DIVISION OF NEUROLOGY

A. B. Baker,
 Professor & Director
Professor
 Royal C. Gray
Clinical Professor
 Zondal R. Miller
 Harold H. Noran

Associate Professor
 James Berry
 Harold Cohen
 John Logothetis
 Joseph A. Resch
 Hildred Schuell
 Fernando Torres
 David Webster
Clinical Associate Professor
 Robert L. Meller
 Sidney K. Shapiro

Assistant Professor
 Michael Blaw
 William Bradley
 Milton Ettinger
 George Flora
 Edward Jimenez-Pabon
 Sping Lin
 James Moriarty
 Erland R. Nelson
 Gilbert Ross
 Bernard Sandler
 Emanuel Stadlan
 Joo Ho Sung
 Kenneth Swaiman
 Francis Wright

Clinical Assistant Professor
 Harold Berris
 William Chalgren
 Paul Elwood
 Ernest M. Hammes, Jr.
 Andrew J. Leemhuis
 Robert Stoltz
 V. Richard Zarleng

Instructor
 Milton Alter
 Philip Calanchini
 Anna Ellington
 Hsien-Hwa-Hsieh
 G. Aurebeck Lindseth

Clinical Instructor
 Maland Hurr

Research Associate
 Walter Nelson

Research Fellow
 Penelope Lawrence
 Thomas Martin
 Jess Mottaz

Medical Fellow
 Alberto Aranibar-Zerpa
 Jean G. Blain
 Calvin Calhoun
 David Duffell
 Richard Foreman
 John Hyde
 Arthur Klassen
 Stephen Kott
 Harold Klawans
 Bernard Lemieux
 John McKelvey
 Thomas McNulty
 Paul Moe

Robert Pierce
 Robert Podosin
 Kenneth Posner
 William Riley
 Roger Ryan
 Lawrence Schut
 Paul Silverstein
 Antonio Trujillano
 Ronald Wade
 John Wolf

DIVISION OF CLINICAL PSYCHOLOGY

Starke R. Hathaway,
 Professor & Director

Professor
 Norman Garmezy
 Gardner Lindzey
 Paul E. Meehl
 William Schofield
 Robert D. Wirt

Associate Professor
 Peter F. Briggs
 Harold Gilberstadt
 Gordon T. Heistad
 David T. Lykken
 Manfred J. Meier

Clinical Associate Professor
 Howard Davis

Assistant Professor
 John P. Branter
 Thomas Kiresuk
 Jerome Pauker
 Lloyd Sines
 Edward Sulzer
 Auke Tellegen
 Travis Thompson
 Daniel Wiener

Clinical Assistant Professor

Gayle K. Lumry
 Guy Miles
 Murray K. Reed
 Jon Weinberg

Instructor
 Seymour Gross
 James Kincannon
 Mary Lou Maxwell
 Naomi Quevillon
 Zigfrids Stelmachers
 Donald Stieper

Clinical Instructor
 Jean Holroyd
 Carol Kaste

Research Associate
 Audrey Shechtman
 Norris Vestre
Research Fellow
 William Trousdale

DIVISION OF CHILD PSYCHIATRY
 Reynold A. Jensen,
 Professor & Director

THE MEDICAL BULLETIN

Clinical Professor
Hyman S. Lippman
Clinical Associate Professor
Harold B. Hanson
Assistant Professor
A. Jack Hafner
James Lawton, Jr.
Wentworth Quast
Clinical Assistant Professor
Richard Bartman
Leo Hanvik
Instructor
Paul Bransford
Medical Fellow
Mary Pennington Christensen
George J. Barry

SCHOOL OF
PUBLIC HEALTH

Gaylord W. Anderson,
Mayo Professor & Director
Professor Emeritus
Ruth E. Boynton
J. Arthur Myers
Harold A. Whittaker

PUBLIC HEALTH
ADMINISTRATION AND
EPIDEMIOLOGY

Professor
Gaylord W. Anderson
Leonard M. Schuman
Stewart C. Thomson

Associate Professor
Allyn G. Bridge
George E. Williams

Assistant Professor
Edward J. Dvorak
Ruth Stief

Lecturer
Robert N. Barr
Henry Bauer
Dean S. Fleming
Leslie W. Foker
Evelyn Hartman
William A. Jordan
Herman Kleinman
Karl R. Lundberg
Wilford E. Park
Abraham B. Rosenfield
John F. Shrouts
Viktor O. Wilson

Research Fellow
Yick Kwong Chan

ENVIRONMENTAL HEALTH

Professor
Richard G. Bond
George S. Michaelsen
Theodore A. Olson

Associate Professor
John O. Buxell
Harry Foreman
Harold J. Paulus
Assistant Professor
Gustave L. Scheffler
Rexford Singer
Lee D. Stauffer
Ralph O. Wollan

Instructor
Edwin Chaffee
Julius E. Haes
Walter H. Jopke
Myrtle Rucger
Norman Steere
Donald Vesley

Lecturer
Albert W. Buzicky
Russell E. Frazier
Velvl Greene
Jack J. Handy
Elmer C. Slagle
Lyle Smith
Robert G. Wissink
Frank L. Woodward

Research Fellow
J. William Hanlon

PUBLIC HEALTH NURSING

Professor
Marion Murphy
Associate Professor
Ruth von Bergen
Assistant Professor
Eleanor Anderson
Clare Blanchard
Delphie Fredlund
Marie McIntyre

Instructor
Marilyn Facklam
Carmine Marka
Mary C. Simons

Lecturer
Ruth D. Abbott
Hilda Boyle
Irene Donovan
Margaret Gaddy
Vivian Harriman
Gertrude Goeneman
Eileen Reardon
Alberta Wilson

HEALTH EDUCATION

Professor
Ruth E. Grout
Assistant Professor
Norman Craig

Lecturer
Betty W. Bond
Alloys F. Branton, Jr.
Marie E. Ford
Helen Starr

PERSONAL HEALTH
Professor
Stewart C. Thomson
Donald W. Cowan
Associate Professor
Benjamin R. Reiter
Assistant Professor
Murray B. Bates
Phillip D. Kernan

BIOSTATISTICS
Professor
Jacob E. Berman
Richard B. McHugh
Associate Professor
Byron W. Brown
Assistant Professor
Robert Evans
Marian W. Thornton

Instructor
Franklin W. Briese
Ruth B. Loewenson
Research Associate
Constance van Eeden
Research Assistant
John Gen Lee

HOSPITAL ADMINISTRATION

Professor
James A. Hamilton
Ray M. Amberg
James W. Stephan
Associate Professor
E. Gartyl Jaco
Assistant Professor
Jerome T. Bieter
A. Douglas Kincaid, Jr.
Theodor J. Litman
Robert G. Michaels

Instructor
David V. Damberg
Herman E. Hoche
Robert J. Laur

Research Fellow
Roy H. Holmberg

Lecturer
Robert W. Bachmeyer
Donald Dunn
Kenneth J. Holmquist
Kenneth Kelly
Helen L. Knudsen
Fred A. McNamara
Telmer O. Peterson
Raymond K. Swanson
John Sweetland
Vernon E. Weckwerth

Clinical Preceptor
J. Milo Anderson
Mirian Curtis
Marie J. Doud

THE MEDICAL BULLETIN

John C. Dumas
 Richard K. Fox
 Frank S. Groner
 Thomas L. Hollis
 Lloyd L. Hughes
 Merton E. Knisely
 Carl C. Lamley
 Daniel L. McAllen
 B. W. Mandelstam
 Harold Mickey
 Russell H. Miller
 Robert A. Molgrem
 Russell A. Nelson
 Stanley R. Nelson
 David E. Olsson
 Carl N. Platou
 Boone Powell
 Oliver Pratt
 Glenn M. Reno
 Jack W. Rivall
 Kenneth J. Shoos
 William N. Wallace

LABORATORY OF PHYSIOLOGICAL HYGIENE

Professor

Ansel Keys
 Joseph T. Anderson
 Francisco Grande
 Ernst Simonson
 Henry L. Taylor

Associate Professor

Henry W. Blackburn

Research Associate

E. S. Fetcher
 Henry E. Guttman
 Ernest Klepetar
 Jeanette Lowry
 R. Willis Parlin
 Henry G. Sperling

Research Fellow

Patrick J. Daly
 Paul L. Mitchell
 Shoji Nishimoto
 Nergish Jal Panthaki
 Gummuru V. A. Pantulu
 Ursula L. Sheehy
 Hironori Toshima

Instructor

Robert Alteveer

RADIOLOGY

Harold O. Peterson,
 Professor & Head

DIVISION OF ROENTGEN DIAGNOSIS

Clinical Professor

J. Richards Aurelius
 Samuel B. Feinberg
 Oscar Lipschultz

Associate Professor

Kurt Amplatz
 Joseph Jorgens

Clinical Associate Professor

Daniel L. Fink
 John P. Medelman

Assistant Professor

Phil Berger
 Eugene Gedgaudas
 Leonard O. Langer

Clinical Assistant Professor

O. J. Baggenstoss
 Chamcey N. Borman
 Lewis S. Carey
 Sewell Gordon
 Cyrus O. Hansen
 Malcolm B. Hanson
 Donald H. Peterson

Instructor

Carroll Norman Hess
 Charles A. Hewel
 Sadek K. Hilal
 J. Paul Leonard
 John A. Tobin
 Shih Hao Tsai
 Arnolds Veinbergs

Clinical Instructor

Eugene Ahern
 Heino Alari
 Manouchehr Azad
 Stanford H. Calin
 John B. Coleman
 Robert R. Foley
 Charles W. Frye
 Marvin E. Goldberg
 Frank R. E. Gratzek
 Barnard Hall
 Harlan W. Hawkinson
 Jule J. Hopperstad
 Richard S. Johnson
 Thomas E. Johnson
 Robert E. Kasper
 Warren L. Kump
 Andrew R. Lillie
 Thomas B. Merner
 Harry Mixer
 Leo Nash
 Ames Naslund
 Paul C. Olfelt
 Arnold O. Rholl
 Norman F. Stone
 Richard C. Tucker
 Stanley C. VonDrashek
 William A. Wilcox
 Hugh J. Williams

Medical Fellow Specialist

Harris G. Bernhisel
 Irwin S. Johnsrude
 John O. F. Roehm, Jr.
 Robert E. Stejskal

Medical Fellow

Walter Birnbaum, Jr.

William J. Boardman

Robert D. Bugby
 Glen G. Cramer
 Donald D. Dahlstrom
 Sheldon W. Damberg
 Larry P. Elliott
 James E. Finstad
 Milton R. Gilchrist
 Joseph M. Gilson
 Donald C. Hauser
 John A. Hodak
 Donald F. Holm
 Richard W. Jang
 John Clark Kelly
 Neil P. Kenney
 Wm. N. Kinney
 Hans Kuisk
 Robert R. Kundel
 Ronald L. LaBelle
 Waldo E. Lopez
 Charles B. Lundquist
 Charles F. Martin, Jr.
 James R. McDougall
 Donald R. Mueller
 Duane C. Monson
 Richard J. Soderberg
 Edward V. Staab
 Peter H. Ullrich
 Vernon A. Vix
 Robert B. Whitney, Jr.
 Luther O. Wigdahl
 James L. Wind

DIVISION OF RADIATION THERAPY

Donn G. Mosser,
 Clinical Professor &
 Acting Director

Professor Emeritus

K. Wilhelm Stenstrom

Assistant Professor

Baruch S. Jacobson
 Merle K. Loken

Clinical Assistant Professor

Solveig M. Bergh
 Elmer Paulson

Research Associate

Robert Salmon

SURGERY

DIVISION OF GENERAL SURGERY

Owen H. Wangenstein,
 Distinguished Service
 Professor & Chief

Professor

Claude R. Hitchcock
 William D. Kelly
 C. Walton Lillehei
 Richard L. Varco

THE MEDICAL BULLETIN

Clinical Professor

Orwood J. Campbell
 Tague C. Chisholm
 Lyle J. Hay
 Thomas J. Kinsella
 Arnold J. Kremen
 N. Logan Leven
 Charles E. Rea

Clinical Professor Emeritus

James A. Johnson
 Stanley R. Maxeiner
 Arthur A. Zierold

Associate Professor

Joe Bradley Aust
 Edward W. Humphrey
 Richard C. Lillehei
 John F. Perry, Jr.
 Yoshio Sako
 W. Albert Sullivan

Clinical Associate Professor

George S. Bergh
 Davitt A. Felder
 Earl C. Henrikson
 N. Kenneth Jensen
 Conrad I. Karleen
 Bernard G. Lannin
 Maynard C. Nelson
 Frederick M. Owens, Jr.
 Carl O. Rice

Clinical Associate

Professor Emeritus

Victor P. Hauser
 Martin N. Nordland
 Edward A. Regnier

Assistant Professor

Karel B. Absolon
 Victor A. Gilbertsen
 Theodore Grage
 Ward O. Griffen, Jr.
 Harlan D. Root
 Peter A. Salmon

Clinical Assistant Professor

Stuart W. Arhelger
 Samuel G. Balkin
 Coleman J. Connolly
 Leo C. Culligan
 George D. Eitel
 Joseph J. Garamella
 David Gavisier
 John K. Grotting
 William F. Hartfiel
 Laurence D. Hilger
 Samuel Hunter
 Frank E. Johnson
 Donald C. MacKinnon
 Stanley R. Maxeiner, Jr.
 Robert F. McGandy
 Daniel J. Moos
 Nathaniel C. Plimpton
 Frank Quattlebaum
 Walter B. Schmidt
 Abbott Skinner

Vernon D. E. Smith
 Bernard J. Spencer
 Jacob H. Strickler
 Lyle A. Tongen
 Robert W. Utendorfer
 Earl G. Yonehiro

Instructor

Eugene F. Bernstein
 Aldo Castaneda
 John D. Condie
 Henry Gans
 Bernard Gooft
 John Haglin
 Arnold Leonard
 Morris Levy
 John Lunseth
 Theodore A. Peterson
 Stephen R. Richards
 Neil M. Trotman

Clinical Instructor

John F. Alden
 U. Schuyler Anderson
 Frank J. Ankner
 Manuel R. Binder
 Norman B. Bloom
 John B. Brainard
 Raymond E. Buirge
 Merrill D. Chesler
 John A. Culligan
 Charles T. Eginton
 Edward C. Emerson
 Robert S. Flom
 Leroy J. Fox
 Jerome T. Grismer
 Donald W. Hannon
 Carter W. Howell
 Clarence V. Kusol
 Lawrence M. Larson
 Louis C. Lick
 John H. Linner
 Walter L. Lynn
 Felix A. McParland
 Berton D. Mitchell
 Aaron A. Papermaster
 John H. Rosenow
 Jack I. Schneck
 Horace G. Scott
 Joseph L. Sprafka
 William E. Stephens
 John E. Twomey
 Richard J. Webber
 George Werner
 Darrell E. Westover

Clinical Assistant

Edwin G. Benjamin
 Harold G. Benjamin
 Frank J. Bonello
 Robert P. Caron
 Lyle V. Kragh
 Hamlin A. Mattson
 Wallace I. Nelson

Lecturer

Benjamin R. Reiter

DIVISION OF NEUROSURGERY

Lyle A. French,
 Professor & Director

Clinical Professor
 Wallace P. Ritchie

Clinical Associate Professor
 Harold F. Buchstein

Clinical Assistant Professor
 Paul S. Blake
 Robert L. Merrick
 Leonard A. Titrud

Instructor

S. N. Chou
 J. L. Story

Clinical Instructor
 Michael P. Sperr

DIVISION OF ORTHOPEDIC SURGERY

John H. Moe,
 Clinical Professor &
 Director

Clinical Professor
 Edward T. Evans
 Harry B. Hall
 Malvin J. Nydahl

Professor Emeritus
 Wallace H. Cole

Clinical Associate Professor
 Walter Indeck
 Richard H. Jones

Clinical Associate
Professor Emeritus
 Carl C. Chatterton

Clinical Assistant Professor
 Frank S. Babb
 Lester W. Carlander
 Edward H. Kelly
 Donald R. Lannin
 D. Keith Millett
 Harvey O'Phelan
 Richard E. Reiley
 Frederick G. Rosendahl

Instructor

Paul M. Arnesen
 Ramon B. Gustilo
 Robert F. Premer

Clinical Instructor
 Robert M. Barnett
 John J. Beer

Frederick E. Drill
 Evan S. Ellison
 Paul H. Gislason
 Meyer Z. Goldner
 Paul O. Gustafson
 John A. Hartwig
 Richard J. Johnson
 Sheldon M. Lagaard
 Donovan L. McCain
 Donald C. Meredith

THE MEDICAL BULLETIN

George E. Nelson, Jr.
Roland F. Neumann
Irwin F. Schaffhausen
Ivna Schloff
Wayne Thompson

DIVISION OF PROCTOLOGY

William C. Bernstein,
Clinical Professor &
Director
Clinical Associate Professor
Howard M. Frykman
Charles A. Neumeister

*Clinical Associate
Professor Emeritus*
Harold Hullsiek

Clinical Assistant Professor
Loren E. Nelson
Lloyd F. Sherman
William T. Smith
Robert J. Tenner

Clinical Instructor
Stanley M. Goldberg

DIVISION OF UROLOGY
Charles D. Creevy,
Professor & Director

Clinical Professor Emeritus
Frederick E. B. Foley
Theodore H. Sweetser, Sr.

Clinical Associate Professor
Samuel S. Beirstein
Baxter A. Smith

Assistant Professor
George T. Mellinger
Milton P. Reiser

Clinical Assistant Professor
David M. Anderson
Bruce Linderholm
Hugo E. Miller
William E. Price
Edward J. Richardson
Richard S. Rodgers
Edgar A. Webb

Instructor
John Pyrris

Clinical Instructor
Robert A. Flynn
George L. Garske
Robert W. Geist
Gerald D. McEllistrem
Harold A. Reif
Ragnar T. Soderlind
Gordon W. Strom
Theodore H. Sweetser, Jr.

Mir Akbar
Manucher Atai
Robert Belin
Kasian Bhangananda
Aydin Bilgutay
Jack Bloch
Raymond Bonnageau
Luc Bruneau
Henry Buchwald
Edwardo Campero
Scott Clark
Anatolio Cruz
Leo Cuello
John Delaney
Raymond Doberneck
Richard Edlich
Zvi Eyal
Randolph Ferlic
Ronald Fischer
Jack Fisher
Robert Gilsdorf
Robert Goodale
Claude Grondin
Patrick Hagihara
A. Ervin Howell
Robert A. Indeglia
Arnold Lande
R. F. Largiader
Dick Lavender
David Long
Jerrold Longerbeam
Gary Lyons
Arthur Madsen
William Manax
Arthur McFee
Martin McKneally
Donald McQuarrie
William Mecker
Nugyen K. Minh
Demetre Nicoloff
Ahamad Nakib
Francisco Oliveras
Edward T. Peter
James Pierce
Wallace Ritchie, Jr.
Waid Rogers
William Scott
Robert Sellers
Robert Simmons
Henry Sosin
Laurence Sterns
Nelson Stone
Ushio Takahashi
Tawfik Tamimi
David Todd
Arnold Walder

Neurosurgery

Warren Boop
August Geise
Donlin Long
Edward Seljeskog
John Serbu
John Wissinger

Orthopedic Surgery
Wilton Bunch
William J. Kane
Rudolph Klassen
William R. Leslie
Paul Patterson
James Valuska

Urology
John Blum
Sergio Bonilla
Gerald Kuss
Wendell Long

ANCKER HOSPITAL
Jose R. Barata
Robert J. Blanchard
Charles W. Hauser
Philip J. Keizer
James W. LaFave
Carl R. McKinley
Ramon P. Mendiola
John O. Simenstad

GILLETTE STATE HOSPITAL
A. Bruce Sundberg
Vincent Eilers

**MINNEAPOLIS GENERAL
HOSPITAL**

Robert C. Anderson
Orn Arnar
Daniel R. Baker
James F. Bascom
Patrick H. Beckham
James Bitter
Donald L. Erickson
Russell H. Harris
Darius Khorsand
Lowell Kleven
Arthur M. McGuire
Richard E. Muzzall
Rodney J. Nixon
Clark O. Olsen
Ernest Ruiz
Lee Arnold Simso
R. Duncan Sutherland
Shin Tanaka
Robert L. Telander
David M. Van Nostrand

MT. SINAI HOSPITAL
Costas Assimacopoulos
E. G. Balcos
Robert Campaigne
Joao M. Dovale
Teodoro V. Elumba

**MINNEAPOLIS V. A.
HOSPITAL**
Philip Affleck
Roland C. Birkebak
Michael Carey
Kent Christensen
Michael W. Davis
John Dittrich
David Dunlap
Orland D. Eliason
Richard Ewing

**SURGERY
RESIDENT PHYSICIANS**

UNIVERSITY HOSPITALS
General Surgery
Norman Ackerman

THE MEDICAL BULLETIN

Donald P. Fox
 Allan J. Hartzell
 John G. Heisel
 Herman W. Heupel
 John Hoskins
 Dwight E. Jaeger
 Lyle Johnson
 Aiver Imants Kalnins
 David P. Larson
 Donlin Long
 Robert C. McGee
 John McMahon
 Charles C. Merchant
 Hugh A. Muzzall
 Alton Olson
 Floyd Overby
 Rodney Peterson
 Frank Pilney
 Cecil L. Provence
 David E. Raab
 Ronald C. Rudy
 John P. Savaryn
 Jerry L. Schottler
 David Siegal
 Sheldon Sigal
 Ki Taek Song
 Peter V. Teal
 Francis J. Trost
 Wilbur Zike

UNIVERSITY HEALTH SERVICE

Donald W. Cowan,
 Director
 Benjamin R. Reiter,
 Assistant Director
 Phillip D. Kernan,
 Asst. to Director,
 Special Services
Full-Time Physicians
 Wallace R. Anderson
 Edward J. Bardon
 Murray Bates
 Elaine M. Benthack
 Joyce L. Funke
 Helen L. Haberer
 Robert G. Hinckley
 Philip W. Hursh
 Clarence A. Jenike
 H. Douglas Lamb
 Kenneth P. Malvey
 Donald F. McGavisk
 Myron G. Messenheimer
 Nicholas F. Musachio
 V. George Nagobads
 Lydia I. Neibergs
 Raymond L. Page

Rudolph J. Ripple
 Stella H. Sikkema
 Clifford E. Sisler
 Hugh J. Thompson
Part-Time Physicians
 Dorothy M. Bernstein
 Helen P. Dahl
 Terry F. Dynes
 Richard B. Ellingson
 William R. Fifer
 Rollin M. Hansen
 Mildred S. Hanson
 Bjarne Houkom
 Irvine M. Karon
 Robert L. Koller
 Wendla E. Leinonen
 John E. Middlebrook
 Orville E. Ockuly
 Charles D. Officer
 E. Harvey O'Phelan
 Kurt Pollak
 Ralph E. Reeds
 Marguerite Schwyzer
 John T. Smiley
 George V. Tangen
 Robert J. Tenner
 Joseph W. Teynor
 William R. Trow
 Charles E. Turbak
 C. Gordon Vaughn
 Sabina S. Zimering

INTERNS AT THE UNIVERSITY OF MINNESOTA HOSPITALS (1963-64)

Medicine
 Wayne D. Brenckman, Jr.
 Yale University
 Martin S. Fisher
 New York Medical College
 Albert D. Gullede
 Baylor University
 Richard M. Heller
 Northwestern University
 Robert S. Heusinkveld
 University of Rochester
 Dennis L. Murphy
 Marquette University
 Bruce R. Parker
 Harvard University
 Sheldon R. Pinnell
 Yale University
 David W. Preven
 Harvard University
 Jack Pushkin
 West Virginia University
 David F. Tarmina
 St. Louis University
 Theodore S. Zimmerman
 Harvard University

Pediatrics

James R. Abel
 Ohio State University
 Marvin E. Ament
 University of Minnesota
 Stanford K. Au
 Washington University
 Brent C. Chandler
 University of Utah
 Richard A. Children
 University of Wisconsin
 David A. Cimino
 University of Florida
 Eric J. Eisenklam
 University of Minnesota
 Anne V. Gamble
 Columbia University
 Mary Howell
 University of Minnesota
 Stanley D. Johnsen
 University of Wisconsin
 Lawrence A. Lockman
 Western Reserve University
 Barton D. Schmitt
 Cornell University
 W. Allan Walker
 Washington University

Surgery

William C. Adkins
 Northwestern University
 John A. Carothers
 University of Mississippi
 John A. Feemster
 Meharry Medical College
 John E. Foker
 Harvard University
 Dimitrios T. Kalivas
 University of California
 Suk Kyung Koh
 Kyung Pook University
 Taegu, Korea
 Harvard Y. Muhm
 Columbia University
 Charles A. Murray, III
 University of Texas
 Richard C. Orahod
 Columbia University
 Janice M. Pearl
 Johns Hopkins University
 Michael A. Shea
 Tufts University
 Valavanur A. Subramanian
 Stanley Medical College
 Madras, India
 Lawrence M. Unger
 Washington University
 Luis F. Urdaneta
 National University
 Bogota, Colombia

Medical School News

DR. PAUL S. HAGEN, professor of medicine and director of the Medical School's undergraduate training program in the Medical Service at Minneapolis Veterans Hospital, was killed Sept. 2, 1963 in an auto accident near St. Paul, Minn. His wife, Pauline, and son, John, died with him. Another son, Paul, survives.



PAUL S. HAGEN

Dr. Hagen, 49, was born in Crookston, Minn. He attended the University of Minnesota and was graduated from the Medical School in 1940, then interned at Peter Bent Brigham Hospital, Boston, Mass., where he met his wife, a nurse. In November, 1945, Dr. Hagen became a clinical instructor in the University of Minnesota's Department of Medicine. He rose to become a full professor in 1962, and was known widely for his research in hematology. He had published more than 100 scientific papers.

Colleagues at the Medical School and V.A. Hospital have established the Paul S. Hagen Memorial Fund in his memory with the Minnesota Medical Foundation. Contributions may be sent as follows:

Paul S. Hagen Fund—Minnesota Medical Foundation
Box 193—University Hospitals
Minneapolis, Minnesota 55455

DR. FLEESON TAKES POST AT CONNECTICUT MEDICAL SCHOOL

Dr. William H. Fleeson, former assistant dean of the Medical School, took a new position September 1 as associate dean of a new medical school being established at the University of Connecticut. The school will be located in Hartford, Connecticut.

Dr. Fleeson, a psychiatrist, joined the Medical School faculty in 1956, and was appointed an assistant dean at Minnesota in 1960. He said he was reluctant to leave the University, but was "attracted by an opportunity to help build a new medical school from scratch in Connecticut." He is a native of Kansas, graduate of Yale University Medical School, and interned at the University of Minnesota Hospitals. His special field of interest has been psychiatric problems in crippled child rehabilitation.

His post as assistant dean at Minnesota will remain vacant during the current academic year.

FACULTY PROMOTIONS ANNOUNCED

Fifty one faculty and staff members in the College of Medical Sciences were promoted in administrative position or academic rank effective July 1, 1963 by the University of Minnesota.

Dr. Edwin L. Schmidt and Dr. S. Gaylen Bradley were named professors in the Department of Microbiology. Gertrude M. Gilman was advanced to senior associate director of the University Hospitals, and Glenn R. Mitchell and Gerard W. Frawley were named associate directors of the Hospitals.

Other promotions included:

Microbiology: *Palmer Rogers, associate professor.*

Medicine: *Reuben Berman, clinical professor; Mark C. L. Hanson, William H. Hollinshead, and Lowell W. Weber, associate clinical professor; Alfred Doscherholmen, assistant professor; Marguerite Schwyzer, Francis B. Tiffany, and Frank A. Ubel, Jr., clinical assistant professor.*

Dermatology: *Isadore Fisher and Harold G. Ravits, clinical associate professor; Irvine M. Karon, clinical assistant professor.*

Obstetrics and Gynecology: *Alex Barno, Donald W. Freeman, and Mancel T. Mitchell, clinical associate professor.*

Pathology: *John I. Coe, associate professor.*

Pediatrics: *Richard B. Raile, associate professor.*

Surgery: *Samuel S. Beirstein, clinical associate professor; Edward J. Richardson, clinical assistant professor.*

Laboratory Medicines: *Douglas A. Nelson, assistant director of clinical laboratories; Edward L. Segal, clinical assistant professor; Edmond Yunis, assistant professor.*

Psychiatry and Neurology: *Zondal R. Miller, clinical professor; Harold P. Cohen and Harold Gilbertstadt, associate professor; Howard Davis, clinical associate professor; Milton G. Ettinger, James Moriarity, Floyd K. Garetz, and Donald R. Stieper, assistant professor; Robert S. Clark and Robert Stoltz, clinical assistant professor.*

Ophthalmology: *Joseph L. Garten, Douglas L. Johnson, Richard O. Leavenworth, and Winston R. Lindberg, clinical assistant professor.*

Anesthesiology: *Van S. Lawrence, assistant professor; Russell W. Bagley and J. Albert Jackson, clinical assistant professor.*

Radiology: *Kurt Amplatz, associate professor; Leonard Langner, assistant professor.*

School of Nursing: *Nancy L. Cook and Dorothy P. Geis, assistant professor.*

Biochemistry: *John F. Van Pilsum and Richard W. Von-Korff, associate professor.*

Physical Medicine and Rehabilitation: *Helen Skowlund, assistant professor.*

Alumni Notes

◆ 1932

Corrin H. Hodgson, internist at the Mayo Clinic, was appointed honorary consul in Rochester, Minn. for the Republic of Peru, in recognition of his services to the government of that nation. He practiced there from 1939 until joining the Mayo Clinic staff in 1944.

◆ 1956

John Milton Brown is now a resident in obstetrics and gynecology at the Mayo Foundation, Rochester, Minnesota.



PAUL G. BELAU

◆ 1957

W. John Dawson, instructor in physical medicine and rehabilitation at the Medical School, was named director of rehabilitation planning services at the Sister Kenny Rehabilitation Institute. His appointment is effective October 1.

Paul G. Belau has been appointed a consultant in ophthalmology at the Mayo Clinic. He completed a residency earlier this year in the Mayo Foundation, after interning at the USPHS Hospital, Staten Island, N. Y., and practicing two years at the Indian Hospital, Redlake, Minnesota.

Richard R. Lund has begun the private practice of otolaryngology in San Rafael, California. He is in association with Dr. Russell Fletcher at 712 D Street. Dr. Lund completed a residency at University of Minnesota Hospitals in 1961, and for the last two years was in military service at the U.S.P.H.S. Hospital, San Francisco, California, as deputy chief of the EENT Service.

Donald S. Shumrick was appointed an assistant professor of otolaryngology and



RICHARD R. LUND

maxillofacial surgery at the State University of Iowa School of Medicine, Iowa City, Iowa, on July 1, 1963. Previously, he completed a five-year residency at Barnes Hospital, Washington U. School of Medicine, St. Louis, Missouri. Don is married, has six sons, and one daughter.

Jon Edward Boline and **Conrad J. Wilkowske** have been appointed residents in pathology and internal medicine, respectively, in the Mayo Foundation, Rochester, Minnesota.

Robert M. Morse writes that he will begin a fellowship in psychiatry on October 1, 1963 at the Mayo Foundation, Rochester, Minn. His family includes his wife and two daughters, Kathy and Karen.

John A. Ochsner is concluding military service this month and is returning to complete a residency in urology at the Veterans Hospital, Wood, Wis. His family will reside at 466 N. Story Parkway, Milwaukee 8, Wis.

◆ 1961

Henry G. Moeller, Jr., and **Robert E. Wahman** have been named residents in internal medicine at the Mayo Foundation, Rochester, Minn.

◆ 1962

Thomas T. Myers, III, and **Joel Finkelstein** are now residents in dermatology and pediatrics, respectively, in the Mayo Foundation, Rochester, Minn.

◆ 1963

A. Stuart Hanson was married June 16, 1963 to Gail Joan Taylor of Minneapolis. They live at 116 West 34th Street, Minneapolis. Dr. Hanson is interning at Minneapolis General Hospital.

Alumni Deaths

◆ 1899

Dr. Albert E. Booth, Minneapolis, Minn. Died July 29, 1963 at the age of 91 years. Retired in 1947 after nearly 50 years of practice. He was an early member of the American College of Surgeons, and chief of a surgery section at Minneapolis General Hospital.

◆ 1919

Dr. William A. Sawatzky, Minneapolis, Minn. Died February 9, 1963, age 69, of carcinoma of the lung. In general practice many years, he was an examining physician for Minneapolis public schools.

◆ 1925

Dr. Oliver J. Morehead, Spokane, Washington. Died March 28, 1963 at age 81. He was a veteran of World War I, and formerly associated with student health service at Washington State University.

Memorial Gifts

The Minnesota Medical Foundation acknowledges with gratitude recent contributions made in memory of:

Mr. David MacMillan
St. Paul, Minn.

Mr. Garland Lasater
Enid, Okla.

Mrs. Dorothy L. Strong
Minneapolis, Minn.

Mrs. Severine Saxgard
Minneapolis, Minn.

Mr. Alvin Wolf
Philadelphia, Pa.

Mr. Robert E. Albrecht
St. Paul, Minn.

Dr. Joseph T. Cohen
Minneapolis, Minn.

Dr. Paul S. Hagen
Minneapolis, Minn.

Memorial gifts are a thoughtful means of honoring the memory of a relative, friend, or colleague. They serve the living by strengthening medical education and research at the University of Minnesota Medical School. Gifts may be designated for specific purposes. The Minnesota Medical Foundation acknowledges all gifts to both donor and next of kin.

. . . ABOUT YOUR MAILING ADDRESS

Alumni of the Medical School receive the University of Minnesota MEDICAL BULLETIN each month at addresses which are furnished by the American Medical Association. The editors of the BULLETIN rely on A.M.A. for this service because it has proven to be the fastest, most accurate, and least expensive method of managing our constantly changing alumni circulation list of more than 5,000 names.

Therefore, if your copy of the MEDICAL BULLETIN (1) fails to reach you, (2) goes to an inappropriate address, or (3) if you are moving, send a notice of your official change-of-address to THE AMERICAN MEDICAL ASSOCIATION, 535 Dearborn Street, Chicago 10, Illinois. Please allow six weeks to effect such a change.

By keeping your present address accurate with A.M.A., you will assure yourself of receiving each issue of the MEDICAL BULLETIN as it is published September through June of each academic year.

The above mailing address system applies only to those readers who received MD degrees from the University of Minnesota Medical School. Other readers should send change-of-address notices directly to the MEDICAL BULLETIN, Box 193, University Hospitals, Minneapolis, Minnesota, 55455.

We hope you enjoy reading the MEDICAL BULLETIN and we welcome your comments on how we can best serve you.

*Eivind Hoff, Jr.
Managing Editor*

COMING EVENTS

University of Minnesota Medical School

CONTINUATION COURSES FOR PHYSICIANS 1963-1964

University of Minnesota
Center for Continuation Study

September 30 - October 2	Pediatrics
October 10 - 12	Dermatology
October 21 - 23	Pediatric Neurology
November 4 - 8	Neuroradiology
November 20 - 22	Ophthalmology (Refraction)
November 21 - 23	Orthopedic Surgery
December 6 - 7	The Painful Back
December 16 - 17	Respiratory Diseases
January 6 - 10	Electrocardiography (Intermediate)
February 10 - 14	Proctology
March 9 - 11	Psychiatry
March 17 - 20	Internal Medicine
April 3 - 4	Trauma
April 23 - 25	Gynecology
May 4 - 6	Ophthalmology
May 14 - 16	Surgery
May 27 - 29	Otolaryngology
June 3 - 5	Anesthesiology

The University of Minnesota reserves the right to change this schedule without notification.

Courses are held at the Center for Continuation Study or the Mayo Memorial Auditorium on the campus of the University of Minnesota. Usual tuition fees are \$45 for a two-day course, \$65 for a three-day course, and \$80 for a one-week course.

Specific announcements are sent out about two months prior to each course to all members of the Minnesota State Medical Association and to any physicians who request information for a specific course. For further information write to:

DIRECTOR
DEPARTMENT OF CONTINUATION MEDICAL EDUCATION
THE MEDICAL CENTER (BOX 193)
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA 55455

Second Class Postage Paid
at Minneapolis, Minnesota

PRES. O. MEREDITH WILSON
202 ADM. BLDG.

For Memorial Gifts,
choose your
Minnesota Medical Foundation

Your memorial gift to the Minnesota Medical Foundation expresses thoughtful respect to the memory of a relative, friend, colleague, former teacher, or fellow alumnus. Such gifts also strengthen the program of medical education and research at the University of Minnesota Medical School.

Memorial gifts are acknowledged promptly to donor and family of the deceased. Group donations also accommodated.

When you choose a memorial gift, your contribution, with appropriate details, may be sent to:

MINNESOTA MEDICAL FOUNDATION
Box 193 - University Hospitals
Minneapolis, Minnesota 55455

