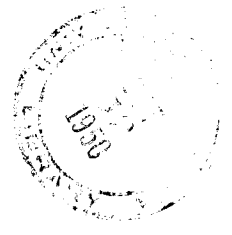


Articles



Bulletin of the
**University of Minnesota Hospitals
and
Minnesota Medical Foundation**



**Hospitals Report
1948-49 - 1949-50**

BULLETIN OF THE
UNIVERSITY OF MINNESOTA HOSPITALS
and
MINNESOTA MEDICAL FOUNDATION

Volume XXII

Friday, October 13, 1950

Number 2

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Address communications to: Staff Bulletin, 3330 Powell Hall, University of Minnesota, Minneapolis 14, Minn.

I. HOSPITALS REPORT - 1949-50UNIVERSITY OF MINNESOTA HOSPITALS

Ray Amberg

The University of Minnesota Hospitals was established to furnish a means for the University of Minnesota to train medical, nursing and other students in the medical auxiliary field in the disciplines of medicine. Training is given in both the out-patient department and hospitals under the direct supervision and guidance of a competent staff made up of full time and part time members. 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.

For years the Minneapolis General Hospital and the Ancker Hospital in St. Paul were the principal teaching hospitals of the University of Minnesota, but in 1911, through the generosity of the family of Dr. Adolphus S. Elliot, Elliot Memorial Hospital was erected. This was a general hospital of 200 beds. Since the establishment of Elliot Hospital a service building has been added by the University of Minnesota. The relatives of Dr. Frank C. Todd and other citizens donated funds to build Todd Hospital for the care of ear, eye, nose and throat cases. This unit was opened in 1924. The Citizens Aid Society of Minneapolis contributed funds for the establishment of a cancer institute. Another unit was added to the hospital later which includes the Eustis hospital for children, the Health Service for students, a unit for women--including obstetrical patients-- and an out-patient department. A psychiatric unit was provided by the legislature in the year 1937. Together these units make up a series of hospitals known as the University of Minnesota Hospitals and have a rated capacity of 450 patients.

During the year 1945 the interest of the Variety Club of the Northwest was secured in the attempt to make an approach to the problems of heart disease. Through their efforts and the aid of the State Board of Health, the United States Public Health Service and the University, the Variety Club Heart Hospital unit consisting of 80 beds will be opened about January 1, 1951. This unit is unique, being the only one of its kind and character in the United States and having a counterpart elsewhere only in Mexico City.

Shortly after July 1 ground was broken for the Mayo Memorial. The unit will be 22 stories in height and will contain an additional 175 hospital beds, new facilities for the out-patient department, operating rooms, laboratories, x-ray, etc. Combined with the clinical activities of the hospitals will be the medical biological library, an auditorium seating 550, a 300 car garage, school of public health, department of bacteriology, physiology and numerous floors for research such as cancer, heart disease and the like. The Mayo Memorial Medical Center is being built in honor of the memory of Drs. William and Charles Mayo, former associates of the University of Minnesota in its medical school program, and will be completed January 1, 1953. The addition of the Mayo Memorial and the Heart Hospital will give the University of Minnesota Hospitals a total bed complement of 705.

It is required that each patient be referred for admission to the Hospitals by his family physician or by a physician in his local community. This rule avoids the criticism that the Hospitals or its clinics are taking patients away from private practitioners.

Patients are classified according to their ability to pay as County, Per Diem, Teaching and Research, Sixty Fund, Eustis or Private. There is no distinction made between the various classes in the treatment or privileges afforded.

County patients are those who are totally unable to pay. Their expenses

are shared equally by their county and the state. When applying for either out-patient or hospital care, these patients must present county papers filled in by both their physician and their 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 out-patient or hospital care, these patients must present a special form filled in by themselves and their family physicians. 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; consequently, the services and privileges tendered both are identical.

Teaching and Research patients are primarily destitute unmarried obstetrical patients who are unable to avail themselves of county papers.

The Sixty Fund is a special grant from the state legislature which is used to hospitalize indigent psychiatric patients for treatment, teaching and research purposes.

The Eustis Fund was set up by William Henry Eustis to care for indigent children under 16 years of age.

Private patients, limited in number, are admitted as a convenience to the senior staff. They are usually referred cases from other doctors in the state. They are afforded the same treatment and privileges as are private patients in any private hospital.

Student Health Service patients are not considered as being Hospitals patients even though a Hospitals intern is assigned to that service. The Student Health Service has its quarters in the University Hospitals, but it is not a part of either the University Hospitals or the Medical School. It is a service institution maintained by the University

with a director, staff and budget of its own. The new Student Health Service was opened on September 1 and is located on Church Street west of the Hospitals. This provides out-patient care only. The infirmary occupies the fourth floor of the North wing of the Hospitals as in the past.

IN-PATIENT DEPARTMENT

The number of patients admitted for the year 1948-49 was 10,686 and for the year 1949-50, 11,081, an increase of 395. The total number of days of hospital treatment aggregated 141,217 for 1948-49 and 140,893 for 1949-50. The average number of days per patient stay in the hospitals was 13.2 in 1948-49 and in 1949-50, 12.7. Deaths for the past year numbered 469 as compared with 428 for the previous year. This is a mortality percentage of 4.2 as against 4.0 for the year 1948-49. Post mortems for 1948-49 numbered 333, an average of 81% of deaths, and in 1949-50, the number was 347, an average of 80%. The daily average number of patients was 386 in 1948-49, and in 1949-50, also 386. Surgical operations performed during the year 1948-49 aggregated 7,127 and during 1949-50, 7,501, an increase of 374.

OUT-PATIENT DEPARTMENT

During the year the Out-Patient Department showed an increase in the number of services rendered. New Patient visits in 1948-49 were 25,189, and in 1949-50, 27,505. Total Patient visits for 1948-49 were 95,786, and in 1949-50, 102,992.

GENERAL REMARKS

The In-Patient service showed a decrease of 324 patient days, and the Out-Patient Department had an increase of 7,206 visits over the previous year.

The Psychopathic Department of the Hospitals admitted 286 patients during the year 1949-50 as against 332 patients during the previous year. The patients in the Psychopathic Hospital used 10,261 days of care during the past year

and 9,544 days during the previous year.

The waiting list of the Hospitals showed 281 patients on July 1.

In the Out-Patient Department the cost per patient visit was \$3.82 in 1949-50 and \$3.43 in 1948-49, an increase of 39¢ per patient visit. The cost of operating the In-Patient Department was \$17.56 in 1948-49 and \$19.56 in 1949-50, an increase of \$2.00 per patient day. Adjustments in salaries and wages of personnel and the increased cost of supplies account for this increase in the cost per hospital day.

The X-ray Department shows an increase in the number of services. 74,345 procedures are reported for the year 1949-50 as against 73,616 procedures for 1948-49.

The Deep X-Ray Therapy Department gave 8,171 deep therapy treatments during 1949-50 as against 9,138 treatments during the previous year. There were 1,066 superficial therapy treatments given during 1949-50 and 1,570 during 1948-49.

The Hospital Laboratory, including Cancer Detection, Electro-Encephalography and Student Health Service, showed 452,308 procedures in 1948-49 and 470,057 in 1949-50.

The Pharmacy showed an over-all increase in hospital prescriptions from 108,426 in 1948-49 to 110,446 in 1949-50. The number of prescriptions filled for the Out-Patient Department and the Health Service was 46,584 in 1949-50 as against 46,517 in 1948-49.

The Physical Therapy Department reports 29,436 treatments for the year 1949-50 and 21,885 treatments during 1948-49.

The specific department reports will be presented at the time of their staff meeting assignments.

The trend continues to make more use of the diagnostic and therapeutic facil-

ities of the Hospitals. The increase in laboratory procedures and the continued emphasis on chemotherapy has necessitated an increased number of services in all the service departments involved.

The shortage of personnel continued to handicap the Hospitals. Departments have had a struggle to keep the Hospitals operating at efficiency, and at this time the chief lack of personnel is apparent in the nursing department. During the year it was impossible to keep open several beds of the Hospitals because of the lack of nursing personnel. Department heads have made every effort to keep their units operating at peak efficiency despite this lack of help and should be given the proper recognition for their services.

The administration of the Hospitals wishes to thank the National Foundation for their assistance in handling the problems in connection with poliomyelitis. The Administration also wishes to thank the Variety Club for their support to the Heart Hospital; the Citizens' Aid Society for their continued support to the x-ray therapy department; the University Faculty Women's Club who have continued their generous efforts in behalf of our patients; the Crippled Child Relief, the Minnesota Society for Crippled Children and Disabled Adults, the State Division of Social Welfare and the County Welfare Boards for their assistance; the various Nursing Homes for their cooperation; the Traffic Club who year after year continue to provide entertainment, gifts and cheer to our patients at Christmas; the Sunshine Club for their contributions; the Camp Fire Girls; the Girl Scouts; the Needlework Guild; the Junior League, the Federated Church Women; the Gilfillan Fund of the Mayo Clinic. To all of these the Hospitals expresses its sincere gratitude for their interest in our patients. We are very grateful to the many people throughout the state who have made contributions to the Heart Hospital and the Cancer Fund. To all members of the professional and service staffs of the Hospitals the administration wishes to extend the appreciation of the Hospitals for their loyal devotion to duty and considerate care of the patients.

COMPARATIVE TWELVE-MONTHS REPORT

IN-PATIENT DEPARTMENT

	1948-49	1949-50		1948-49	1949-50
<u>Total Patients Admitted</u>			<u>Average Days Per Pt.</u>		
Private	2,371	2,500	Private	9.2	8.7
Per Diem	2,214	2,257	Per Diem	13.4	13.1
Eustis	192	181	Eustis	14.9	16.9
Teaching & Research	204	146	Teaching & Research	13.2	16.9
Staff	107	113	Staff	6.7	5.5
County	3,909	4,346	County	17.6	15.4
Health Service	1,357	1,252	Health Service	3.7	4.5
Psychopathic	154	141	Psychopathic	29.2	32.2
Private	98	84	Private	18.9	37.4
Per Diem	80	61	Per Diem	40.8	32.4
	<u>10,686</u>	<u>11,081</u>			
<u>Total Patients Treated (Discharged)</u>			<u>Average Length of Stay Per Patient</u>	13.2	12.7
Private	2,341	2,468	<u>Daily Average Num- ber of Patients</u>		
Per Diem	2,103	2,148	Private	59.2	59.1
Eustis	218	200	Per Diem	74.7	77.3
Teaching & Research	203	164	Eustis	8.9	9.2
Staff	105	114	Teaching & Research	7.3	7.6
County	4,032	4,446	Staff	1.9	1.7
Health Service	1,355	1,250	County	194.4	188.4
Psychopathic	174	167	Health Service	14.0	14.3
Private	97	80	Psychopathic	13.9	14.7
Per Diem	64	58	Private	5.0	8.2
	<u>10,692</u>	<u>11,095</u>	Per Diem	7.1	5.1
<u>Total Days Hospital Care</u>			<u>Daily Average Census for Hospital</u>	386	386
Private	21,633	21,584			
Per Diem	27,296	28,220			
Eustis	3,262	3,383			
Teaching & Research	2,681	2,772			
Staff	707	637			
County	70,972	68,789			
Health Service	5,122	5,247			
Psychopathic	5,091	5,389			
Private	1,838	2,992			
Per Diem	2,615	1,880			
	<u>141,217</u>	<u>140,893</u>			

COMPARATIVE TWELVE-MONTHS REPORT

IN-PATIENT DEPARTMENT

	Admissions		Patient Days		Av. Length of Stay	
	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50
General Surgery	1,300	1,439	19,880	19,290	14	14
Urology	703	774	8,927	9,416	12	11
Orthopedics	202	228	5,670	5,472	28	24
Neurosurgery	324	383	4,249	4,596	13	12
Tumor Surgery	336	316	3,522	3,792	10	12
Reconstruction Surgery	72	67	1,429	1,665	19	25
Chest Surgery	<u>34</u>	<u>62</u>	<u>838</u>	<u>1,540</u>	24	25
Total	2,971	3,269	44,515	45,771		
Medicine	1,064	1,208	18,886	19,541	17	18
Neurology	695	706	9,599	11,306	14	16
Dermatology	<u>94</u>	<u>101</u>	<u>1,958</u>	<u>2,154</u>	21	21
Total	1,853	2,015	30,443	33,001		
Psychiatry	331	305	9,631	7,924	29	26
Ophthalmology	218	236	3,299	2,808	15	12
Otolaryngology	<u>265</u>	<u>261</u>	<u>1,992</u>	<u>2,062</u>	8	8
Total	483	497	5,291	4,870		
Gynecology	412	397	3,448	4,292	8	11
Tumor Gynecology	<u>282</u>	<u>255</u>	<u>5,146</u>	<u>4,806</u>		
Total	694	652	8,594	9,098	18	19
Obstetrics	550	542	5,828	5,962	11	10
Newborn Pediatrics	398	462	3,900	4,158	9	9
Pediatrics & Specialties	2,009	1,933	27,885	24,976	14	14
Health Service	1,397	1,322	5,130	4,288	4	5
Ambulatory		84		845		10
Totals	<u>10,686</u>	<u>11,081</u>	<u>141,217</u>	<u>140,893</u>	13.2	12.7

COMPARISON OF LENGTH OF STAY

Service	1939-40	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48	1948-49	1949-50
General Surgery	13	14.3	15.9	15.7	18.4	18.5	15	14	15	14	14
Urology	13.2	12.4	11.1	11.8	11	12.1	15	13	12	12	11
Orthopedics	36	28.4	34.3	27.4	27.5	27.2	31	39	22	28	24
Neurosurgery	23.8	20.7	15	16.3	20.1	18	15	16	12	13	12
Tumor Surgery	7.7	8.5	10.4	8.6	11.6	13.9	12	10	12	10	12
Reconstruction Surgery	15.6	16.5	24.9	20.9	31.1	35.1	29	41	23	19	25
Chest Surgery	21.7	16.7	32							24	25
Medicine	18.8	17.8	16.3	14.7	16.3	15.5	19	21	18	17	18
Neurology	14.9	16.8	12	14.7	14.8	20.4	16	16	17	14	16
Dermatology	16.3	14.5	13.6	16	23.5	14.5	16	18	19	21	21
Psychiatry	36.6	44.6	34.3	35.2	37.3	37.6	31	35	32	29	26
Ophthalmology	13.7	12.2	12.1	16.3	13.5	16.5	16	16	15	15	12
Otolaryngology	6.6	6.7	5.7	6	7.2	7.8	8	7	7	8	8
Gynecology	10.7	10.4	9.5	11.9	11.3	12.7	14	11	11	8	11
Tumor Gynecology	29.1	31.7	45.1	31.6	37.6	47.4	37	57	35	18	19
Obstetrics	11.7	11.4	13.3	12.6	15.8	16.4	15	14	12	11	10
Newborn Pediatrics	9.6	9.6	11.2	18.5	12.6	14.3	13	10	11	9	9
Pediatric Specialties	19.2	21.6	21.5	23.5	24.6	20.6	22	18	16	14	14
Health Service	5.3	4.6	4.2	4.9	5.2	5.2	4	4	4	4	5
Ambulatory	.7	2.1	1.5	3.4	2.4						10
Tuberculosis Surgery	60.	68.1	64.								
TOTALS	14.7	15	15	14.6	15.6	16.6	16	15	14	13.2	12.7

COMPARATIVE TWELVE-MONTHS REPORT

OUT-PATIENT DEPARTMENT

	New Patients		Revisits		Totals	
	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50
Admissions	3,986	3,839			3,986	3,839
Medicine						
Polio	134	7	686	539	820	546
Polio Examinations		558		42		600
General			16,257	17,815	16,257	17,815
Cardiac	593	499	1,609	1,630	2,202	2,129
Chest	204	220	806	873	1,010	1,093
Diabetic	142	152	1,029	1,351	1,171	1,503
Gastric Expression	1,321	781	412	1,117	1,733	1,898
Metabolism	112	173	869	774	981	947
Neurology	697	640	1,717	2,030	2,414	2,670
Psychiatry	461	374	1,750	1,917	2,211	2,291
Skin						
Syphilis	27	23	502	179	529	202
Dermatology	1,002	583	3,488	3,428	4,490	4,011
Surgery						
General	1,086	1,235	6,762	6,570	7,848	7,805
Genito-Urinary						
Female	230	223	690	847	920	1,070
Male	483	521	1,764	1,937	2,247	2,458
Neurosurgery	93	115	494	543	587	658
Reconstruction	41	78	557	596	598	674
Tumor	412	396	4,508	4,192	4,920	4,588
Orthopedic	524	542	1,618	1,248	2,142	1,790
Ear	339	385	1,680	1,297	2,019	1,682
Eye						
General	993	1,070	4,380	4,312	5,373	5,382
Refraction		1	864	781	864	782
Squint			182	169	182	169
Nose & Throat	520	543	1,827	1,875	2,347	2,418
Obstetrics	158	219	982	1,210	1,140	1,429
Gynecology (Tumor)	68	99	989	1,045	1,057	1,144
Gynecology	625	581	1,731	1,693	2,356	2,274
Pediatrics	984	1,017	3,842	4,395	4,826	5,412
Children's Psychiatric	5	10	499	445	504	455
Speech			15	13	15	13
Nutrition	40	97	52	30	92	127
Dental	272	254	253	1,496	525	1,750
W-212	1,386	1,529	7,783	9,098	9,169	10,627
Miscellaneous	8,251	10,741			8,251	10,741
TOTALS	25,189	27,505	70,597	75,487	95,786	102,992

UNIVERSITY OF MINNESOTA HOSPITALS
Statement of Income and Expenditures
June 30, 1950

INCOME

County & State Reimbursement	\$ 1,429,010.78	
Minnesota Hospital & Home for Crippled Children	55,017.41	
Pay Bed	976,568.45	
Out-Patient	106,446.44	
Health Service	109,115.22	
Psychopathic	182,939.00	
University Funds	138,308.00	
Other Funds	<u>152,185.60</u>	\$ 3,149,590.90

EXPENDITURES

Salaries & Wages	\$ 1,761,639.79	
Supplies & Expense	<u>1,423,458.86</u>	<u>3,185,098.65</u>

FREE BALANCE - June 30, 1950

(\$ --35,507.75)

COST OF OPERATION	<u>1945-46</u>	<u>1946-47</u>	<u>1947-48</u>	<u>1948-49</u>	<u>1949-50</u>
Out-Patient					
Department	211,172.21	263,389.11	334,800.00	330,285.63	393,924.24
In-Patient					
Department	1,350,929.21	1,740,182.00	2,232,041.50	2,470,630.55	2,755,666.66
Cost per out- patient visit	2.85	3.14	3.72	3.43	3.82
Cost per hospital day	9.49	12.02	16.31	17.56	19.56

COMPARATIVE TWELVE-MONTHS REPORTHOSPITAL LABORATORY

Laboratory	Number of Determinations	
	1948-49	1949-50
Dispensary	63,221	72,624
Hematology	59,966	62,113
Urinalysis	82,460	75,592
Chemistry	37,520	42,346
Special Chemistry	2,762	2,180
Liver Functions	5,275	8,080
Liver Functions (T & R)		494
Clerks'	45,062	48,728
Blood Bank	53,721	45,312
Bacteriology	21,870	21,485
Electrocardiography & Metabolism	7,036	8,439
Tissues	5,657	7,109
Serology		<u>2,264</u>
GRAND TOTALS	384,550	396,766
Cancer Detection	11,004	14,734
Electro-Encephalography	1,070	1,057
Student Health Service	55,684	57,500

COMPARATIVE TWELVE-MONTHS REPORT
OPERATING ROOMS

Service	Major 1948-49	Major 1949-50	Minor 1948-49	Minor 1949-50	Total 1948-49	Total 1949-50
<u>Main Operating Room</u>						
General Surgery	823	808	360	263	1,183	1,071
Stomach	240	312	1	3	241	315
Colon	272	291	1	3	273	294
Neurosurgery	369	396	116	116	485	512
Urology	157	218	10	25	167	243
Heart	44	47			44	47
Thoracic	79	121	5	7	84	128
Neck		175		63		238
Plastics	54	98	42	27	96	125
Proctology	15	31	60	42	75	73
Orthopedics	57	51	9	19	66	70
Fractures	12	1	7	1	19	2
Casts (non-operatives)			10	2	10	2
Casts (operatives)				1		1
Gynecology	23	23		2	23	25
Dentistry		1	2		2	1
ENT	13	15	7	17	20	32
TOTALS	<u>2,158</u>	<u>2,588</u>	<u>630</u>	<u>591</u>	<u>2,788</u>	<u>3,179</u>
<u>Cystoscopy Department</u>						
Cystoscopies			1,028	1,037	1,028	1,037
Transurethral resection	408	397			408	397
Minor non-cystoscopies				154		154
Miscellaneous	76	29	617	344	693	373
X-Ray				315		315
TOTALS	<u>484</u>	<u>426</u>	<u>1,645</u>	<u>1,850</u>	<u>2,129</u>	<u>2,276</u>
<u>West Operating Room</u>						
Orthopedics	83	111	145	96	228	207
Casts (non-operatives)			156	103	156	103
Casts (operatives)	71	68			71	68
Fractures	78	90	36	27	114	117
Gynecology	193	183	242	227	435	410
TOTALS	<u>425</u>	<u>452</u>	<u>579</u>	<u>453</u>	<u>1,004</u>	<u>905</u>
<u>East Operating Room</u>						
Ophthalmology	213	172	107	134	320	306
Otolaryngology	196	177	524	515	720	692
Dentistry	5	4	18	14	23	18
Plastics	17	54	119	71	136	125
Surgery			7		7	
TOTALS	<u>431</u>	<u>407</u>	<u>775</u>	<u>734</u>	<u>1,206</u>	<u>1,141</u>
<u>SUMMARY</u>						
Major					3,498	3,873
Minor					<u>3,629</u>	<u>3,628</u>
					<u>7,127</u>	<u>7,501</u>

COMPARATIVE TWELVE-MONTHS REPORT

PHARMACY

<u>Month</u>	<u>Out-Patient Dept. & H.S. Rx</u>		<u>Hospital Rx</u>		<u>Total Rx</u>	
	<u>1948-49</u>	<u>1949-50</u>	<u>1948-49</u>	<u>1949-50</u>	<u>1948-49</u>	<u>1949-50</u>
July	3,462	3,257	8,550	9,052	12,012	12,309
August	3,642	3,870	8,566	9,427	12,208	13,297
September	3,014	3,186	8,567	8,943	11,581	12,129
October	4,394	4,028	9,843	8,311	14,237	12,339
November	4,023	4,196	9,426	8,118	13,449	12,314
December	3,809	3,528	9,286	9,457	13,095	12,985
January	4,069	3,909	8,721	9,117	12,790	13,026
February	3,825	3,795	8,233	8,171	12,058	11,966
March	4,140	4,798	10,509	10,793	14,649	15,591
April	4,268	3,725	9,146	9,692	13,414	13,417
May	4,033	4,497	9,201	9,915	13,234	14,412
June	3,838	3,795	8,378	9,450	12,216	13,245
TOTALS	46,517	46,584	108,426	110,446	154,943 3,838 <u>158,781</u>	157,030 3,783 <u>160,813</u>

COMPARATIVE TWELVE MONTHS-REPORT

PHYSICAL THERAPY DEPARTMENT

Type of Treatment	Number of Out-Patient Treatments		Number of Hospital Patient Treatments		Total Number of Patient Treatments	
	1948-49	1949-50	1948-49	1949-50	1948-49	1949-50
Diathermy (Short Wave)	699	543	147	131	846	674
Ultra Violet	318	444	488	305	806	749
Phototherapy-Infra Red	579	1,076	492	435	1,071	1,511
Massage-Muscle Training	3,909	1,715	10,216	541	14,125	2,256
Exercise		3,993		11,944		15,937
Fever (Short)	9	83	5	17	14	100
Paraffin Bath	105	63	5	11	110	74
Tub			44		44	
Contrast Baths	9				9	
Pool			1		1	
Pressure Cuff (I.V.O.)	17		1		18	
Intravenous Injection		35				35
Blood Pressure & Hypo	136	253	6	30	142	283
Whirlpool	877	927	328	341	1,205	1,268
Galvanic-Faradic-Sine	429	599	185	58	614	657
Hot Packs	181	204	2,699	4,783	2,880	4,987
Polio Clinic		450				450
Consultations in Clinic		458				458
TOTALS	7,268	10,843	14,617	18,596	21,885	29,436
New Patients	226	234	635	423	861	657
No. of Patients Treated	4,460	5,242	10,931	15,167	15,391	20,409

COMPARATIVE TWELVE-MONTHS REPORT
X-RAY REPORT

PARTS EXAMINED	1948-49	1949-50
Abdomen	1,716	1,996
Angiograms-Angiocardiograms		115
Ankle & Foot	496	442
Arm, Forearm, Elbow	519	462
Bronchogram	115	129
Chest	13,651	15,079
Cholangiogram	206	202
Colon	2,265	2,801
Encephalogram	131	158
Facial Bones	279	309
Fluoroscopy	---	---
Gall Bladder	723	819
Heart	734	1,240
Miscellaneous	306	412
Pelvic & Hip Joints	1,866	1,874
Ribs and Sternum	203	192
Sacro-iliac & Lumbosacral	235	77
Shoulder Girdle	397	347
Sinuses, Paranasal & Mastoids	552	453
Skull, Orbits, Sella Turcica	1,712	1,875
Small Bowel	129	181
Spine	2,131	2,514
Stomach, Duodenum, Esophagus	4,549	5,049
Thigh, Leg, Knee	1,186	1,014
Urinary Tract	764	893
Urography, Excretion	981	1,269
Urography, Retrograde	410	438
Venograms		31
Ventriculogram	127	124
Wrist & Hand	582	430
TOTAL RADIOGRAPHIC EXAMINATIONS	36,965	40,925
<u>PATIENTS</u>		
Miscellaneous	809	653
Hospital	10,615	10,063
Out-Patient	13,095	14,612
Students' Health Service	3,478	3,916
Private	2,960	3,925
	<u>30,957</u>	<u>33,169</u>
<u>PHOTOFLUOROGRAMS</u>		
Students' Health Service	18,518	13,018
Hospital	6,213	6,399
W-212	1,634	1,544
	<u>26,365</u>	<u>20,961</u>
<u>FLUOROSCOPY EXAMINATIONS</u>		
Out-Patient Department	2,603	2,182
In X-Ray Department	7,683	10,277
	<u>10,286</u>	<u>12,457</u>
TOTAL DEPARTMENTAL PROCEDURES	73,616	74,345

COMPARATIVE TWELVE-MONTHS REPORTX-RAY THERAPY DEPARTMENT

TYPE OF TREATMENT	1948-49	1949-50
<u>Deep X-Ray Treatments (400,220 KV)</u>		
New Patients Treated	557	502
Patients Retreated	151	154
TOTAL NUMBER OF PATIENTS TREATED	708	656
Hennepin County Patients	115	93
Ramsey County Patients	23	27
TOTAL COUNTY PATIENTS	331	340
Out-Patient Treatments	5,051	4,849
House-Patient Treatments	4,087	3,322
TOTAL NUMBER OF TREATMENTS	9,138	8,171
<u>Superficial X-Ray Treatments</u>		
140 KV	160	144
100 KV		
Out-Patient Treatments	1,471	1,029
House-Patient Treatments	99	37
TOTAL NUMBER OF TREATMENTS	1,570	1,066
Phillips Contact Treatments	73	80

COMPARATIVE TWELVE-MONTHS REPORTWAITING LIST

SERVICE	1945-46	1946-47	1947-48	1948-49	1949-50
Male Surgery	7	16	88	106	20
Female Surgery	9	14	43	61	26
Neurosurgery	1	0	8	0	2
White Surgery	1	5	10	2	3
Plastic Surgery	12	9	1	4	8
Purple Surgery	1	0	10	6	12
Yellow Surgery	0	0	0	9	7
Blue Surgery	0	0	0	0	4
Urology	2	20	65	60	34
Orthopedic Pediatrics	1	4	8	13	7
Reconstruction Pediatrics	6	6	8	0	0
Surgery Pediatrics	0	0	8	12	4
Urology Pediatrics	0	0	2	0	0
Orthopedics	29	21	18	0	14
Chest	0	0	0	0	1
Medicine	3	6	7	2	12
Neurology	0	0	58	47	105
Neurology (Pediatric)	0	0	0	0	1
Psychiatry	7	22	2	10	12
Psychiatry Pediatrics	0	0	0	16	3
Dermatology	2	20	4	14	0
Pediatrics	3	6	6	6	6
Ophthalmology	9	11	0	0	0
Ophthalmology Pediatrics	8	0	0	0	0
Otolaryngology	0	0	0	0	0
Tonsils & Adenoids	4	0	0	0	0
TOTALS	105	160	346	368	281

II. MEDICAL SCHOOL NEWS

Coming Events

- Oct. 26-28 -- Continuation Course in Diseases of the Chest
 Oct. 30 - Nov. 4 -- Continuation Course in Neurologic Roentgenology
 Nov. 4 -- Homecoming Meeting - 9:15 a.m. to kick-off time
 Nov. 9 - 11 -- Continuation Course in Poliomyelitis
 Nov. 27 - Dec. 1 -- Continuation Course in Child Psychiatry

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Progress Notes

The foundation and footings for the Mayo Memorial Building are being laid as this new school year opens. The excavation, begun in mid-July, is now tremendous and gives some indication as to the ultimate extent of the structure. Many changes in routing of traffic into and through the hospital and medical school have already occurred because of the requirements of the contractors. A temporary entrance to the hospital has been constructed at ground level on the southeast corner of the hospital near Powell Hall. All entrances on the hospital court have been sealed off since they now open onto the depths of the excavation.

The Variety Club Heart Hospital is nearing completion and will open January 1, 1951, if the present schedule is maintained. Plastering and interior decorating are now in progress. Hospital beds and outpatient facilities for patients with cardiovascular diseases as well as research for laboratories will soon be available to strengthen the program of the medical school in this important field.

* * *

Faculty Arrivals and Promotions

Dr. Lewis Thomas has joined our faculty as the American Legion Research Professor in Rheumatic Fever and Heart Disease with the rank of Professor in the Department of Pediatrics and Medicine. His office and laboratories will be in the new Variety Club Hospital.

Dr. Franklin H. Top has assumed his post as Professor of Epidemiology in the School of Public Health and Professor and Consultant in Contagious Diseases in the Department of Pediatrics. Dr. Top comes to us from Detroit where he was the Director of the Herman Kiefer Hospital.

Dr. M. J. Shapiro, Associate Professor of Medicine and Pediatrics, has accepted a full-time appointment in the Medical School and will serve as Clinical Director of the Outpatient Clinic in the Variety Club Heart Hospital.

Dr. Robert A. Good has returned to the Medical School after spending a year at the Rockefeller Institute for Medical Research and is continuing his research under the five-year Markle Scholarship in the Medical Sciences which he was recently awarded. Dr. Good was the second Minnesota graduate to receive the medical award, Dr. George Moore being the first.

Dr. Herman C. Lichstein has recently joined our staff as Associate Professor of Bacteriology. Dr. Lichstein comes to us from the University of Tennessee where he was Professor of Bacteriology and a Consultant to the Biology Division of the Oak Ridge Laboratory.

Dr. William F. Scherer has come to this University from Vanderbilt University and is serving as Instructor of Bacteriology while on a National Research Council Fellowship. Dr. Scherer's research concerns coexistent infection of single animal cells by multiple viruses.

Dr. David T. Imagawa, who received his Ph.D. degree from the University has been appointed Instructor of Bacteriology and Immunology.

Dr. Thomas R. Hamilton, Associate Professor of Bacteriology and Immunology and Pathology, has returned from the University of Kansas Medical Center, where he spent the summer months, to resume his work on the Navy project on rheumatic fever until his leave of absence from the above institution terminates February 1, 1951.

III.

UNIVERSITY OF MINNESOTA MEDICAL SCHOOL
CALENDAR OF EVENTS

No. 302

October 15 - October 21, 1950

Sunday, October 15

9:00 - 10:00 Surgery Grand Rounds; Station 22, U. H.

10:30 - Surgical Conference; Todd Amphitheater, U. H.

Monday, October 16

9:00 - 9:50 Roentgenology-Medicine Conference; L. G. Rigler, C. J. Watson and Staff; Todd Amphitheater, U. H.

9:00 - 10:00 Pediatric Rounds; Dr. Lowry; 5th Floor, Minneapolis General Hospital.

9:00 - 10:50 Obstetrics and Gynecology Conference; J. L. McKelvey and Staff; M-109, U. H.

10:00 - 12:00 Neurology Rounds; A. B. Baker and Staff; Station 50, U. H.

11:00 - 11:50 Physical Medicine Seminar; E-101, U. H.

11:00 - 11:50 Roentgenology-Medicine Conference; Veterans Hospital.

11:00 - 12:00 Cancer Clinic; K. Stenstrom and A. Kremen; Eustis Amphitheater, U. H.

12:00 - 1:00 Physiology Seminar; Subject to be announced; 214 Millard Hall.

12:15 - 1:20 Obstetrics and Gynecology Journal Club; Staff Dining Room, U. H.

1:00 - 2:00 Staff Meeting; Classroom, 4th Floor, Minneapolis General Hospital.

1:30 - 2:30 Pediatric-Neurological Rounds; R. Jensen, A. B. Baker and Staff; U. H.

2:00 - 3:00 Journal Club; Classroom, Station I, Minneapolis General Hospital.

4:00 - 5:00 Pediatric Seminar; 6th Floor West, Child Psychiatry, U. H.

4:30 - 5:30 Dermatological Seminar; M-436, U. H.

5:00 - 5:50 Clinical Medical Pathologic Conference; Todd Amphitheater, U. H.

5:00 - 6:00 Urology-Roentgenology Conference; C. D. Creevy, O. J. Baggenstoss, and Staffs; M-109, U. H.

5:00 - X-ray Conference with Radiologists; Powell Hall Amphitheater.

Tuesday, October 17

8:00 - 9:00 Pediatric Rounds; Dr. Adams; 4th Floor, Minneapolis General Hospital.

8:00 - 9:00 Fracture Conference; Auditorium, Ancker Hospital.

Tuesday, October 17 (Cont.)

- 8:30 - Pediatrics Allergy Rounds; Dr. Nelson; 4th Floor, Minneapolis General Hospital.
- 8:30 - 10:20 Surgery Seminar; Seminar Conference Room, Bldg. I, Veterans Hospital.
- 9:00 - 9:50 Roentgenology Pediatric Conference; L. G. Rigler, I. McQuarrie and Staffs; Todd Amphitheater, U. H.
- 9:00 - 10:00 Pediatric Rounds; F. H. Top; 7th Floor, Minneapolis General Hospital.
- 10:30 - 11:50 Surgical Pathological Conference; Lyle Hay and E. T. Bell; Veterans Hospital.
- 12:30 - 1:20 Pathology Conference; Autopsies; J. R. Dawson and Staff; 102 I. A.
- 1:00 - 2:30 X-ray Surgery Conference; Auditorium, Ancker Hospital.
- 2:00 - 2:50 Dermatology and Syphilology Conference; H. E. Michelson and Staff; Bldg. III, Veterans Hospital.
- 3:15 - 4:20 Gynecology Chart Conference; J. L. McKelvey and Staff; Station 54, U. H.
- 3:30 - 4:20 Clinical Pathological Conference; Staff; Veterans Hospital.
- 4:00 - 5:00 Physiology-Surgery Conference; Role of Urease in Gastric Secretion, David Glick; Todd Amphitheater.
- 4:00 - 5:00 Pediatric Rounds on Wards; I. McQuarrie and Staff; U. H.
- 5:00 - 6:00 X-ray Conference; Presentation of Cases by University Hospital Staff; Todd Amphitheater, U. H.
- * 8:00 - Minnesota Pathological Society Meeting; Experimental Dietary Injury of the Liver, F. W. Hoffbauer; Biological Applications of the Electron Microscope, J. F. Hartmann; Medical Science Amphitheater.

Wednesday, October 18

- 8:00 - 8:50 Surgery Journal Club; O. H. Wangensteen and Staff; M-109, U. H.
- 8:00 - 9:00 Roentgenology-Surgical-Pathological Conference; L. B. Thomas and L. G. Rigler; Todd Amphitheater, U. H.
- 8:30 - 9:30 Clinico-Pathological Conference; Auditorium, Ancker Hospital.
- 8:30 - 10:00 Orthopedic-Roentgenologic Conference; Edward T. Evans and Bernard O'Loughlin; Room IAW, Veterans Hospital.
- 8:30 - 12:00 Neurology Rehabilitation and Case Conference; A. B. Baker; Veterans Hospital.
- 9:00 - 10:00 Pediatric Rounds; Dr. Lowry; 5th Floor, Minneapolis General Hospital.

Wednesday, October 18 (Cont.)

- 11:00 - 12:00 Pathology-Medicine-Surgery Conference; Medicine Case; O. H. Wangenstein, C. J. Watson and Staffs; Todd Amphitheater, U. H.
- 12:00 - 1:00 Radiology Isotope Seminar; 113 Medical Science Building.
- 12:15 - Staff Meeting; Classroom, 4th Floor, Minneapolis General Hospital.
- 3:00 - 4:00 Pediatric Rounds; E. J. Huenekens; 4th Floor, Minneapolis General Hospital.
- 3:30 - 4:30 Journal Club; Surgery Office, Ancker Hospital.
- 4:00 - 5:00 Infectious Disease Rounds; Main Conference Room, Bldg. I, Veterans Hospital.
- 5:00 - 5:50 Urology-Pathological Conference; C. D. Creevy and Staff; E-101, U. H.
- 5:00 - 7:00 Dermatology Clinical Seminar; Dining Room, U. H.
- 8:00 - Dermatological Pathology Conference; Todd Amphitheater, U. H.

Thursday, October 19

- 8:00 - Pediatric Rounds; Dr. Adams, 4th Floor; Minneapolis General Hospital.
- 8:30 - 10:20 Surgery Grand Rounds; Lyle Hay and Staff; Veterans Hospital.
- 9:00 - 9:50 Medicine Case Presentation; C. J. Watson and Staff; M-109, U. H.
- 9:00 - 10:00 Pediatric Rounds; Dr. F. H. Top; 7th Floor, Minneapolis General Hospital.
- 10:00 - 11:50 Medicine Ward Rounds; C. J. Watson and Staff; E-221, U. H.
- 10:00 - Pediatrics Rounds; Adult Contagion; Minneapolis General Hospital.
- 10:30 - 11:50 Surgery-Radiology Conference; Daniel Fink and Lyle Hay; Veterans Hospital.
- 11:30 - Pediatric Conference--Main Classroom--General Hospital.
- 11:00 - 12:00 Cancer Clinic; K. Stenstrom and A. Kremen; Todd Amphitheater, U. H.
- 12:00 - Physiological Chemistry Seminar; Significance of 1,2,3 Tricarbonyl Structure in Biological Chemistry, Richard Von Korff; 214 Millard Hall.
- 1:00 - 2:00 EKG and X-ray Conference; Classroom, 4th Floor, Minneapolis General Hospital.
- 2:00 - EKG and X-ray Conference; Classroom, Sta. I, Minneapolis General Hospital.
- 4:30 - 5:20 Ophthalmology Ward Rounds; Erling W. Hansen and Staff; E-534, U. H.

Thursday, October 19 (Cont.)

7:30 - 9:30 Pediatrics Cardiology Conference and Journal Club; Review of Current Literature 1st hour and Review of Patients 2nd hour; 206 Temporary West Hospital.

Friday, October 20

- 8:30 - 10:00 Neurology Grand Rounds; A. B. Baker and Staff; Station 50, U. H.
- 9:00 - 10:00 Pediatric Rounds; Dr. Lowry; 5th Floor, Minneapolis General Hospital.
- 9:00 - 9:50 Medicine Grand Rounds; C. J. Watson and Staff; Todd Amphitheater, U. H.
- 9:30 - Surgery-Pediatric Conference; O. S. Wyatt and T. C. Chisholm; 4th Floor, Minneapolis General Hospital.
- 10:00 - 11:50 Medicine Ward Rounds; C. J. Watson and Staff; E-221, U. H.
- 10:30 - 11:20 Medicine Grand Rounds; Veterans Hospital.
- 10:30 - 11:50 Otolaryngology Case Studies; L. R. Boies and Staff; Out-Patient Department, U. H.
- 11:45 - 12:50 University of Minnesota Hospitals Staff Meeting; An Evaluation of Neck Dissection in the Treatment of Cancer of the Head and Neck; Thomas H. C. Barclay, Leon F. Peltier, and Arnold J. Kremen (Dept of Surgery); Powell Hall Amphitheater.
- 1:00 - 2:50 Neurosurgery-Roentgenology Conference; W. T. Peyton, Harold O. Peterson and Staff; Todd Amphitheater, U. H.
- 1:00 - 3:00 Pathology-Surgery Conference; Auditorium, Ancker Hospital.
- 2:00 - 3:00 Dermatology and Syphilology Conference; Presentation of selected cases of the week; H. E. Michelson and Staff; W-312, U. H.
- 3:00 - 4:00 Neuropathology Conference; F. Tichy; Todd Amphitheater, U. H.
- 4:00 - 5:00 Clinical Pathological Conference; A. B. Baker; Todd Amphitheater, U. H.
- 4:15 - 5:15 Electrocardiographic Conference; 106 Temp. Bldg., Hospital Court, U.H.
- 4:30 - 5:30 Journal Club; M-436, U. H.
- 5:00 - Urology Seminar; Powell Hall Amphitheater.

Saturday, October 14

- 7:45 - 8:50 Orthopedics Conference; Wallace H. Cole and Staff; M-109, U. H.
- 8:00 - Pediatric Rounds; Dr. Adams; 4th Floor, Minneapolis General Hospital.

- 8:30 - 9:30 Surgery Conference; Auditorium, Ancker Hospital.
- 9:00 - 9:50 Medicine Case Presentation; C. J. Watson and Staff; E-221, U. H.
- 9:00 - 10:00 Pediatric Rounds; F. H. Top; 7th Floor, Minneapolis General Hospital.
- 9:00 - 10:30 Pediatric Grand Rounds; I. McQuarrie and Staff; Eustis Amphitheater, U. H.
- 9:15 - 10:00 Surgery-Roentgenology Conference; F. Ruzicka, O. H. Wangensteen and Staff; Todd Amphitheater, U. H.
- 10:00 - 11:30 Surgery Conference; O. H. Wangensteen and Staff; Todd Amphitheater, U. H.
- 10:00 - 11:50 Medicine Ward Rounds; C. J. Watson and Staff; E-221, U. H.
- 10:00 - 12:50 Obstetrics and Gynecology Grand Rounds; J. L. McKelvey and Staff; Station 44, U. H.
- 11:00 - 12:00 Pediatric Clinic; Charles May; Classroom, 4th Floor, Minneapolis General Hospital.
- 11:00 - 12:00 Anatomy Seminar; Histochemical Alterations in Hepatic Parenchyma During Experimental Injury; W. Lane Williams; 226 I.A.

* Indicates special meeting. All other meetings occur regularly each week at the same time on the same day. Meeting place may vary from week to week for some conferences.