



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



**Hospitals Report  
1947-48 -- 1948-49**

BULLETIN OF THE  
UNIVERSITY OF MINNESOTA HOSPITALS  
and  
MINNESOTA MEDICAL FOUNDATION

Volume XXI

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I. HOSPITALS REPORT -- 1948-49UNIVERSITY OF MINNESOTA HOSPITALS

Ray Amberg

The University of Minnesota Hospitals was established to furnish a means for the University of Minnesota to train medical students in clinical 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 physicians. 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 medical 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.

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.

During the year ground was broken for the new Variety Club Heart Hospital which will be opened approximately on July 1, 1950. This unit provides for 80 patients--40 on the pediatric service and 40 on the adult service--an out-patient department and a large group of clinical and research laboratories. This unit was provided through the generosity of the Variety Club of the Northwest and a grant from the U. S. Public Health Service under the Hill-Burton Construction Act and through the National Heart Foundation.

Shortly after January 1 ground will be broken for the Mayo Memorial. This unit will be approximately 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 hospital will be the medical biological library, school of public health, department of bacteriology, physiology and numerous floors for research such as cancer, heart disease and the like. The addition of these units will give the hospital a total bed complement of 705.

#### IN-PATIENT DEPARTMENT

The number of patients admitted for the year 1947-48 was 9,721 and for the year 1948-49, 10,686, an increase of 965. The total number of days of hospital treatment aggregated 136,774 for 1947-48 and 141,217 for 1948-49. The average number of days per patient stay in the hospital was 14.1 in 1947-48 and in 1948-49, 13.2. Deaths for the past year numbered 428 as compared with 396 for the year 1947-48. This is a mortality percentage of 3.8 for the year 1948-49 as against 4.0 for the year 1947-48, a decrease of .2% in patient mortality.

Post mortems for 1947-48 numbered 284, an average of 76% of deaths and 1948-49, the number was 333, an average of 81%. The daily average number of patients was 380 in 1947-48 and 386 in 1948-49. Surgical operations performed during the year 1947-48 aggregated 7,603 and during 1948-49, 7,127, a decrease of 496.

#### OUT-PATIENT DEPARTMENT

During the year the Out-Patient Department showed an increase in the number of services rendered. New Patient visits in 1947-48 were 22,755 and in 1948-49, 25,189. Total Patient visits for 1947-48 were 90,556 and for 1948-49, 95,786.

#### GENERAL REMARKS

The In-Patient service showed an increase of 4,443 patient days, and the Out-Patient Department had an increase of 5,230 visits over the previous year.

The Psychopathic Department of the Hospitals admitted 332 patients during the year 1948-49 as against 309 patients admitted the previous year. The patients in the Psychopathic Hospital used 9,544 days of care during the past year and 10,093 days during the previous year.

The waiting list of the Hospitals shows 368 patients.

In the Out-Patient Department the cost per patient visit was \$3.72 in 1947-48 and \$3.43 in 1948-49, a decrease of 29¢ per patient visit. The cost of operating the In-Patient Department was \$16.31 in 1947-48 and \$17.56 in 1948-49 or an increase of \$1.25 per patient day. Adjustments in salaries and wages of all personnel and the increased cost of supplies and expense account for this increase in the cost per hospital day.

The X-Ray Department shows an increase in the number of services. 73,616 procedures are reported for the year 1948-49 as against 58,500 for the previous year.

The Deep X-Ray Therapy Department gave 9,138 treatments during 1948-49 as against 9,063 treatments during the pre-

vious year. There were 2,151 superficial x-ray therapy treatments given during 1947-48 and 1,570 during 1948-49.

The Hospital Laboratory, including Cancer Detection, Electro-Encephalography and Student Health Service, showed 404,202 procedures in 1947-48 and 452,308 in 1948-49.

The Pharmacy showed an over-all increase in hospital prescriptions from 104,440 in 1947-48 to 108,426 in 1948-49.

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

There was a further significant continuation of the trend to make more use of the diagnostic and therapeutic facilities 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. All Departments have had a severe struggle to keep the Hospitals operating at efficiency. At this time the chief lack of personnel is apparent in the nursing and housekeeping departments. 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 for their assistance; the Sunshine Club for their contributions; the Traffic Club who again repeated their performance of giving splendid Christmas entertainment, gifts and cheer to all of our patients; the many groups of school children through the state; the Camp Fire Girls; the Girl Scouts; the Needlework Guild, the Junior League, the Federated Church Women. We wish to thank Mr. William Elson of the Variety Club for the television set which he donated to the children. To all of these the Hospitals expresses its sincere gratitude for their interest in our patients. 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.

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COMPARATIVE TWELVE-MONTHS REPORTIN-PATIENT DEPARTMENT

<u>Total Patients Admitted</u>	<u>1947-48</u>	<u>1948-49</u>	<u>Average Days Per Patient</u>	<u>1947-48</u>	<u>1948-49</u>
Private	2,189	2,371	Private	9.9	9.2
Per Diem	1,595	2,214	Per Diem	14.3	13.4
Eustis	194	192	Eustis	18.5	14.9
Teaching & Research	100	204	Teaching & Research	16.1	13.2
Charity	5	0	Charity	7.2	0.
Staff	148	107	Staff	6.2	6.7
County	3,814	3,909	County	18.3	17.6
Health Service	1,367	1,357	Health Service	4.4	3.7
Psychopathic	140	154	Psychopathic	31.4	29.2
Private	91	98	Private	28.7	18.9
Per Diem	78	80	Per Diem	38.1	40.8
	<u>9,721</u>	<u>10,686</u>			
<u>Total Patients Treated (Discharged)</u>			<u>Average Length of Stay Per Patient</u>	<u>14.1</u>	<u>13.2</u>
Private	2,142	2,341	<u>Daily Average Number of Patients</u>		
Per Diem	1,504	2,103	Private	58.3	59.2
Eustis	221	218	Per Diem	59.1	74.7
Teaching & Research	97	203	Eustis	11.2	8.9
Charity	5	0	Teaching & Research	4.2	7.3
Staff	150	105	Charity	.1	0
County	3,882	4,032	Staff	2.5	1.9
Health Service	1,365	1,355	County	194.8	194.4
Psychopathic	161	174	Health Service	16.4	14.0
Private	89	97	Psychopathic	13.8	13.9
Per Diem	65	64	Private	7.0	5.0
	<u>9,681</u>	<u>10,692</u>	Per Diem	6.7	7.1
<u>Total Days Hospital Care</u>			<u>Daily Average Census for Hospital</u>	<u>380</u>	<u>386</u>
Private	21,304	21,633			
Per Diem	21,584	27,296			
Eustis	4,104	3,262			
Teaching & Research	1,568	2,681			
Charity	36	0			
Staff	932	707			
County	71,133	70,972			
Health Service	6,020	5,122			
Psychopathic	5,059	5,091			
Private	2,560	1,838			
Per Diem	2,474	2,615			
	<u>136,774</u>	<u>141,217</u>			

COMPARATIVE TWELVE-MONTHS REPORTIN-PATIENT DEPARTMENT

Service	Admissions		Patient Days		Av. Length of Stay	
	1947-48	1948-49	1947-48	1948-49	1947-48	1948-49
General Surgery	1,222	1,300	20,458	19,880	15	14
Urology	785	703	9,229	8,927	12	12
Orthopedics	234	202	5,350	5,670	22	28
Neurosurgery	274	324	3,921	4,249	12	13
Tumor Surgery	312	336	3,683	3,522	12	10
Reconstruction Surgery	111	72	2,469	1,429	23	19
Chest Surgery		34		838		24
Total	2,938	2,971	45,110	44,515		
Medicine	1,103	1,064	17,456	18,886	18	17
Neurology	480	695	7,481	9,599	17	14
Dermatology	131	94	2,354	1,958	19	21
Total	1,714	1,853	27,291	30,443		
Psychiatry	303	331	9,941	9,631	32	29
Ophthalmology	228	218	3,390	3,299	15	15
Otolaryngology	301	265	2,158	1,992	7	8
Total	529	483	5,548	5,291		
Gynecology	383	412	3,783	3,448	11	8
Tumor Gynecology	95	282	4,603	5,146	35	18
Total	478	694	8,386	8,594		
Obstetrics	408	550	4,679	5,828	12	11
Newborn Pediatrics	298	398	3,084	3,900	11	9
Pediatrics & Special- ties	1,569	2,009	26,310	27,885	16	14
Health Service	1,484	1,397	6,425	5,130	4	4
Totals	9,721	10,686	136,774	141,217	14	13

COMPARISON OF LENGTH OF STAY

Service	1938-39	1939-40	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48	1948-49
General Surgery	12.5	13.0	14.3	15.9	15.7	18.4	18.5	15	14	15	14
Urology	13.5	13.2	12.4	11.1	11.8	11.0	12.1	15	13	12	12
Tumor Urology	12.7										
Orthopedics	32.1	36.0	28.4	34.3	27.4	27.5	27.2	31	39	22	28
Neurosurgery	19.8	23.8	20.7	15.0	16.3	20.1	18.0	15	16	12	13
Tumor Surgery	6.5	7.7	8.5	10.4	8.6	11.6	13.9	12	10	12	10
Reconstruction Surgery	15.6	15.6	16.5	24.9	20.9	31.1	35.1	29	41	23	19
Tuberculosis Surgery	47.5	60.0	68.1	64.0							
Chest Surgery	22.6	21.7	16.7	32.0							24
Medicine	17.9	18.8	17.8	16.3	14.7	16.3	15.5	19	21	18	17
Neurology	14.1	14.9	16.8	12.0	14.7	14.8	20.4	16	16	17	14
Dermatology	21.3	16.3	14.5	13.6	16.0	23.5	14.5	16	18	19	21
Tuberculosis Medicine	42.6										
Psychiatry	40.8	36.6	44.6	34.3	35.2	37.3	37.6	31	35	32	29
Ophthalmology	17.1	13.7	12.2	12.1	16.3	13.5	16.5	16	16	15	15
Otolaryngology	6.3	6.6	6.7	5.7	6.0	7.2	7.8	8	7	7	8
Gynecology	9.8	10.7	10.4	9.5	11.9	11.3	12.7	14	11	11	8
Tumor Gynecology	25.3	29.1	31.7	45.1	31.6	37.6	47.4	37	57	35	18
Obstetrics	10.8	11.7	11.4	13.3	12.6	15.8	16.4	15	14	12	11
Newborn Pediatrics	9.6	9.6	9.6	11.2	18.5	12.6	14.3	13	10	11	9
Pediatric Specialties	19.5	19.2	21.6	21.5	23.5	24.6	20.6	22	18	16	14
Health Service	5.2	5.3	4.6	4.2	4.9	5.2	5.2	4	4	4	4
Ambulatory	1.1	.7	2.1	1.5	3.4	2.4					
TOTALS	14.1	14.7	15.0	15.0	14.6	15.6	16.6	16	15	14	13



## COMPARATIVE TWELVE-MONTHS REPORT

## OUT-PATIENT DEPARTMENT

Clinic	New Patients		Revisits		Totals	
	1947-48	1948-49	1947-48	1948-49	1947-48	1948-49
Admissions	3,993	3,986			3,993	3,986
Medicine						
Polio	43	134	878	686	921	820
General			17,215	16,257	17,215	16,257
Cardiac	717	593	1,512	1,609	2,229	2,202
Chest	228	204	845	806	1,073	1,010
Diabetic	165	142	1,090	1,029	1,255	1,171
Gastric Expression	1,569	1,321	276	412	1,845	1,733
Metabolism	157	112	740	869	897	981
Neurology	732	697	1,876	1,717	2,608	2,414
Psychiatry	390	461	1,676	1,750	2,066	2,211
Skin						
Syphilis	33	27	734	502	767	529
Dermatology	868	1,002	3,390	3,488	4,258	4,490
Surgery						
Cancer Detection*	28		52		80	
General	980	1,086	6,701	6,762	7,681	7,848
Genito-Urinary						
Female	206	230	605	690	811	920
Male	484	483	1,492	1,764	1,976	2,247
Neurosurgery	77	93	447	494	524	587
Reconstruction	53	41	657	557	710	598
Tumor	348	412	3,653	4,508	4,001	4,920
Orthopedic	481	524	1,219	1,618	1,700	2,142
Ear	315	339	1,566	1,680	1,881	2,019
Eye						
General	1,036	993	4,279	4,380	5,315	5,373
Refraction			794	864	794	864
Squint	7	0	166	182	173	182
Nose & Throat	579	520	1,605	1,827	2,184	2,347
Obstetrics	170	158	929	982	1,099	1,140
Gynecology (Tumor)	67	68	887	989	954	1,057
Gynecology	572	625	1,446	1,731	2,018	2,356
Pediatrics	884	984	2,998	3,842	3,882	4,826
Children's Psychiatry	23	5	500	499	523	504
Speech	5	0	105	15	110	15
Nutrition	59	40	31	52	90	92
Dental	368	272	1,499	253	1,867	525
W-212	1,694	1,386	5,938	7,783	7,632	9,169
Miscellaneous	5,424	8,251			5,424	8,251
TOTALS	22,755	25,189	67,801	70,597	90,556	95,786

\*Before Cancer Detection Center was set up in the Temporary Bldg., patients were seen in OPD.

UNIVERSITY OF MINNESOTA HOSPITALS  
Statement of Income and Expenditures  
June 30, 1949

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INCOME

County & State Reimbursement	\$ 1,218,236.87	
Minnesota Hospital & Home for Crippled Children	50,000.00	
Pay Bed	925,405.44	
Out-Patient	97,757.83	
Health Service	108,423.77	
Psychopathic	127,732.00	
University Funds	128,414.00	
Other Funds	142,629.54	\$ 2,798,599.45

EXPENDITURES

Salaries & Wages	\$ 1,497,129.43	
Supplies & Expense	1,303,786.75	<u>2,800,916.18</u>

FREE BALANCE - June 30, 1949 ---2,316.73

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

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COMPARATIVE TWELVE-MONTHS REPORTHOSPITAL LABORATORY

Laboratory	Number of Determinations	
	1947-48	1948-49
Dispensary	59,496	63,221
Hematology	56,484	59,966
Urinalysis	74,816	82,460
Chemistry	29,720	37,520
Special Chemistry	1,922	2,762
Liver Functions		5,275
Clerks'	47,471	45,062
Blood Bank	43,566	53,721
Bacteriology	16,851	21,870
Electrocardiography & Metabolism	6,619	7,036
Tissues	5,267	5,657
GRAND TOTALS	342,212	384,550
Cancer Detection	4,072	11,004
Electro-Encephalography	255	1,070
Student Health Service	57,663	55,684

COMPARATIVE TWELVE-MONTHS REPORT  
OPERATING ROOMS

Service	Major 1947-48	Major 1948-49	Minor 1947-48	Minor 1948-49	Total 1947-48	Total 1948-49
<u>Main Operating Room</u>						
General Surgery	807	823	301	360	1,108	1,183
Stomach	209	240	0	1	209	241
Colon	212	272	1	1	213	273
Neurosurgery	338	369	120	116	458	485
Urology	161	157	12	10	173	167
Heart	41	44	0	0	41	44
Thoracic	59	79	3	5	62	84
Plastics	62	54	179	42	241	96
Proctology	6	15	64	60	70	75
Orthopedics	59	57	23	9	82	66
Fractures	11	12	8	7	19	19
Casts (non-operatives)	0	0	4	10	4	10
Gynecology	16	23	0	0	16	23
Dentistry				2		2
ENT		13		7		20
Health Service	41		38		79	
TOTALS	1,981	2,158	715	630	2,696	2,788
<u>Cystoscopy Department</u>						
Cystoscopies	0	0	1,075	1,028	1,075	1,028
Transurethral resection	368	408	0	0	368	408
Miscellaneous	107	76	1,384	617	1,491	693
TOTALS	475	484	2,459	1,645	2,934	2,129
<u>West Operating Room</u>						
Orthopedics	109	83	128	145	237	228
Casts (non-operatives)	0	0	127	156	127	156
Casts (operatives)	56	71	6	0	62	71
Fractures	70	78	41	36	111	114
Gynecology	162	193	193	242	355	435
TOTALS	397	425	495	579	892	1,004
<u>East Operating Room</u>						
Ophthalmology	124	213	219	107	343	320
Otolaryngology	174	196	509	524	683	720
Dentistry	6	5	16	18	22	23
Plastics	12	17	12	119	24	136
Surgery	0	0	9	7	9	7
TOTALS	316	431	765	775	1,081	1,206
<u>SUMMARY</u>						
Major					3,169	3,498
Minor					4,434	3,629
					7,603	7,127

COMPARATIVE TWELVE-MONTHS REPORT

PHARMACY

<u>Month</u>	<u>Dispensary &amp; H.S. Rx</u>		<u>Hospital Rx</u>		<u>Total Rx</u>	
	<u>1947-48</u>	<u>1948-49</u>	<u>1947-48</u>	<u>1948-49</u>	<u>1947-48</u>	<u>1948-49</u>
July	3,329	3,462	8,303	8,550	11,632	12,012
August	3,342	3,642	9,172	8,566	12,514	12,208
September	2,801	3,014	8,220	8,567	11,021	11,581
October	4,824	4,394	9,468	9,843	14,292	14,237
November	3,727	4,023	7,684	9,426	11,411	13,449
December	3,960	3,809	8,874	9,286	12,834	13,095
January	4,497	4,069	9,608	8,721	14,105	12,790
February	4,334	3,825	8,205	8,233	12,539	12,058
March	4,100	4,140	9,647	10,509	13,747	14,649
April	4,622	4,268	8,838	9,146	13,460	13,414
May	4,116	4,033	7,782	9,201	11,898	13,234
June	3,990	3,838	8,639	8,378	12,629	12,216
TOTALS	47,642	46,517	104,440	108,426	152,082 <u>3,559</u> 155,641	154,943 <u>3,838</u> 158,781

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	
	1947-48	1948-49	1947-48	1948-49	1947-48	1948-49
Diathermy (Short Wave)	914	699	124	147	1,038	846
Ultra Violet	221	318	170	488	391	806
Phototherapy - Infra Red	716	579	523	492	1,239	1,071
Massage - Muscle Training	3,074	3,909	3,911	10,216	6,985	14,125
Fever (Short)		9		5		14
Paraffin Bath	96	105	0	5		110
Tub				44		44
Contrast Baths		9				9
Pool			29	1	29	1
Pressure Cuff (I.V.O.)	165	17	39	1	204	18
Blood Pressure & Hypo		136		6		142
Whirlpool	1,186	877	290	328	1,476	1,205
Galvanic - Faradic	367	429	180	185	547	614
Hot Packs	108	181	432	2,699	540	2,880
Hypertherm	23		1		24	
Iontophoresis	11				11	
<b>TOTALS</b>	<b>6,881</b>	<b>7,268</b>	<b>5,699</b>	<b>14,617</b>	<b>12,580</b>	<b>21,885</b>
New Patients	262	226	205	635	467	861
No. of Patients Treated	3,942	4,460	4,076	10,931	8,018	15,391

COMPARATIVE TWELVE-MONTH REPORTFEVER THERAPY

Diagnosis	1947-48	1948-49
Arthritis	0	6
Arthritis (G.B.)	13	4
Reiters Syndrome	1	0
O.N.S. Lues	50	10
Still's Disease	1	0
Dermatitis	23	0
Iritis	<u>37</u>	<u>5</u>
TOTALS	125	25

COMPARATIVE TWELVE-MONTHS REPORT  
X-RAY REPORT

PARTS EXAMINED	1947-48	1948-49
Abdomen	1,922	1,716
Ankle & Foot	561	496
Arm, Forearm, Elbow	420	519
Bronchogram	144	115
Chest	10,005	13,651
Cholangiogram	180	206
Colon	1,716	2,265
Encephalogram	118	131
Facial Bones	233	279
Fluoroscopy	143	---
Gall Bladder	603	723
Heart	630	734
Miscellaneous	188	306
Pelvic & Hip Joints	1,262	1,866
Ribs and Sternum	177	203
Sacro-iliac & Lumbosacral	389	235
Shoulder Girdle	348	397
Sinuses, Paranasal & Mastoids	547	552
Skull, Orbits, Sella Turcica	1,341	1,712
Small Bowel	153	129
Spine	1,962	2,131
Stomach, Duodenum, Esophagus	3,705	4,549
Thigh, Leg, Knee	961	1,186
Urinary Tract	787	764
Urography, Excretion	855	981
Urography, Retrograde	400	410
Ventriculogram	146	127
Wrist & Hand	479	582
<b>TOTAL RADIOGRAPHIC EXAMINATIONS</b>	<b>30,355</b>	<b>36,965</b>
<u>PATIENTS</u>		
Miscellaneous	1,385	809
Hospital	9,150	10,615
Out-Patient	9,249	13,095
Students' Health Service	2,474	3,478
Private	3,098	2,960
	<u>25,356</u>	<u>30,957</u>
<u>PHOTOFLUORCGRAMS</u>		
Students' Health Service	13,057	18,518
Hospital	3,852	6,213
W-212	2,768	1,634
	<u>19,677</u>	<u>26,365</u>
<u>FLUOROSCOPY EXAMINATIONS</u>		
Out-Patient Department	2,085	2,603
In X-ray Department	6,383	7,683
	<u>8,468</u>	<u>10,286</u>
<b>TOTAL DEPARTMENTAL PROCEDURES</b>	<b>58,500</b>	<b>73,616</b>



COMPARATIVE TWELVE-MONTHS REPORTX-RAY THERAPY DEPARTMENT

TYPE OF TREATMENT	1947-48	1948-49
<u>Deep X-Ray Treatments (400,220 KV)</u>		
New Patients Treated	557	559
Patients Retreated	168	151
TOTAL NUMBER OF PATIENTS TREATED	725	708
Hennepin County Patients	106	115
Ramsey County Patients	26	23
TOTAL COUNTY PATIENTS	332	331
Out-Patient Treatments	5,102	5,051
House-Patient Treatments	3,961	4,087
TOTAL NUMBER OF TREATMENTS	9,063	9,138
<u>Superficial X-Ray Treatments</u>		
140 KV	148	160
100 KV		
Out-Patient Treatments	2,031	1,471
House-Patient Treatments	120	99
TOTAL NUMBER OF TREATMENTS	2,151	1,570
Phillips Contact Treatments	103	73

COMPARATIVE TWELVE-MONTHS REPORTWAITING LIST

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

II. INTERNS --(July 1, 1949)UNIVERSITY OF MINNESOTA HOSPITALSMEDICINE

Robert Abernathy  
Suzanne Agnew  
Donald Fry  
John Gibson  
Edward Hook  
Robert Jenson  
Robert Ulmer  
Lee Wattenberg

SURGERY

Joe Aust  
James Dolphin  
Morton Goldstein  
Daniel Halvorsen  
Sherman Hartman  
Norman Hoover  
David Johnson  
Frank Kroboth, Jr.  
Thomas Murphy  
Donald Shahon  
Norman Shumway, Jr.  
Allen McCall

PEDIATRICS

Paul Adams  
Dewitt Baldwin  
William Bevis  
Eleanor Colle  
Donald C. Hauser  
Bert Hoeflich  
Rosalind Smith  
Virginia Van Geyt  
John O'Brien

OBSTETRICS & GYNECOLOGY

Robert Nolan  
Herbert Newbold  
James Watt

### III. MEDICAL SCHOOL NEWS

#### Promotions and New Appointments

Dr. E. A. Boyden, Professor and Head, Department of Anatomy, has announced promotions of several staff members in that department. Dr. Lemen J. Wells has been promoted to Professor in the Department of Anatomy. Promotions to Associate Professor have been given to Doctors W. Lane Williams and Berry Campbell. Dr. Ronald M. Ferry, has recently joined our faculty as Instructor in the Department of Anatomy.

\* \* \*

#### Faculty News

Dr. James D. Cardy, Fellow in Pathology in the Medical School from 1946 to 1949, early this summer moved to Grand Forks, North Dakota, where he took over his post as Professor and Chairman of the Department of Pathology at the Medical School at the University of North Dakota.

\* \* \*

#### Coming Events

October 21-22 - Continuation Course in Diseases of the Chest for Physicians.

October 31 - November 5 - Continuation Course in Pediatric Roentgenology for Pediatricians and Roentgenologists.

Monday, October 31 - 4:00 p.m. - Dr. Lawson Wilkins, Johns Hopkins University Medical School - "Abnormalities and Variations in Sexual Development and the Methods Used in Diagnosis."

November 2 - 8:15 p.m. - Rigler Lecture in Roentgenology - Dr. John Caffey, Columbia University Medical Center - "Some Normal Variations in the Growing Skeleton: Their Clinical Significance," Museum of Natural History Auditorium.

#### District Seminars for Physicians

The Medical School and the Minnesota Department of Health will cooperate during this present academic year in presenting postgraduate seminars in various towns in Minnesota. Financial support for these courses is being furnished by the Cancer and Heart Disease Control Divisions of the Minnesota Department of Health through funds made available by the U. S. Public Health Service. Each course will consist of eight weekly meetings in which clinical and full-time members of the Medical School faculty will meet with physicians in their own community and discuss informally problems in the fields of cancer, cardiovascular diseases, and psychosomatic medicine.

The first of these courses was begun in Bemidji on Tuesday, September 27. Thirty physicians in the Bemidji area attended the meeting at which Dr. Richard L. Varco discussed "Carcinoma of the Lung" and Dr. George N. Aagaard discussed "The Management of Essential Hypertension." The response of the physicians in the Bemidji area has been very enthusiastic, and it is planned to present a similar 8-week course for physicians in and around Fergus Falls, beginning on October 26.

\* \* \*

#### New Minn. Medical Foundation Members

Harold A. Williamson, M.D., Heron Lake  
Howard A. Shaw, M.D., 3347 Emerson Ave. S., Minneapolis  
E. S. Lippman, M.D., 1006 Medical Arts Bldg., Minneapolis  
B. A. Weis, M.D., 936 Lowry Medical Arts Bldg., St. Paul  
T. J. Catlin, M.D., Buffalo  
C. A. Fosmark, M.D., 602 S. Thornton Ave., Madison, Wisconsin  
E. E. Greene, M.D., Westhope, North Dakota

IV.

UNIVERSITY OF MINNESOTA MEDICAL SCHOOL  
CALENDAR OF EVENTS

October 9 - October 15, 1949

No. 261Sunday, October 9

- 9:00 - 10:00 Surgery Grand Rounds; Station 22, U. H.  
 10:30 - 11:00 Subject to be announced; Rm. M-109, U. H.

Monday, October 10

- 8:00 - Fracture Rounds; A. A. Zierold and Staff; Ward A, Minneapolis General Hospital.
- 9:00 - 9:50 Roentgenology-Medicine Conference; L. G. Rigler, C. J. Watson and Staff; Todd Amphitheater, U. H.
- 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; Physiology Experimental Convulsions as Illustrated by the Action of Anoxia and Asphyxia; Ernst Gellhorn; 214 M. H.
- 12:15 - 1:20 Obstetrics and Gynecology Journal Club; Staff Dining Room, U. H.
- 12:30 - 1:20 Pathology Seminar; Carcinoma of the Lip; H. Katzovitz; 104 I. A.
- 12:30 - 1:30 Surgery Problem Case Conference; A. A. Zierold, C. Dennis and Staff; Small Classroom, Minneapolis General Hospital.
- 1:30 - 2:30 Surgery Grand Rounds; A. A. Zierold, C. Dennis and Staff; Minneapolis General Hospital.
- 1:30 - 2:30 Pediatric-Neurological Rounds; R. Jensen, A. B. Baker and Staff; U. H.
- 4:00 - Public Health Seminar; Subject to be announced; Mayhew Derryberry, U.S. Public Health Service, Washington, D. C.; 113 Medical Sciences.
- 4:00 - Pediatric Seminar; Trends in Modern Public Health; Wm. Forsyth; 6th Fl. W., Child Psychiatry, U. H.
- 5:00 - 5:50 Clinical Medical Pathologic Conference; Todd Amphitheater, U. H.
- 5:00 - 6:00 Urology-Roentgenology Conference; D. Creevy, O. J. Baggenstoss and Staffs; M-109, U. H.
- 8:00 p.m. - Clinical Research Club Meeting; The Effect of Salt Load -- Pre- and Post-operatively, Irving Ariel & Arnold Kremen; and Evaluation of Certain Methods of Suturing the Aorta, Y. Sako; (Dept. of Surgery) Eustis Amphitheater, U. H.

Tuesday, October 11

- 8:15 - 9:00 Roentgenology-Surgical-Pathology Conference; Craig Freeman and L. G. Rigler; M-109, U. H.
- 8:30 - 10:20 Surgery Conference; Small Conference Room, Bldg. I, Veterans Hospital.
- 9:00 - 9:50 Roentgenology Pediatric Conference; L. G. Rigler, I. McQuarrie and Staffs; Todd Amphitheater, U. H.
- 10:30 - 11:50 Surgical Pathological Conference; Lyle Hay and Robert Hebbel; Veterans Hospital.
- 12:30 - Pediatric-Surgery Rounds; Sta. I, Minneapolis General Hospital; Drs. Stoesser, Wyatt, Chisholm, McNelson and Dennis.
- 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 Pediatric Rounds on Wards; I. McQuarrie and Staff; U. H.
- 4:00 - 5:00 Physiology-Surgery Conference; Eustis Amphitheater, U. H.
- 5:00 - 6:00 X-ray Conference; Presentation of Cases by U. H. Staff; Todd Amphitheater, U. H.

Wednesday, October 12

- 8:00 - 8:50 Surgery Journal Club; O. H. Wangensteen and Staff; M-515, U. H.
- 8:30 - 9:30 Clinico-Pathological Conference; Auditorium, Ancker Hospital.
- 8:30 - 10:00 Orthopedic-Roentgenologic Conference; Edward T. Evans, Room 1AW, Veterans Hospital.
- 8:30 - 12:00 Neurology Rehabilitation and Case Conference; A. B. Baker; Veterans Hospital.
- 11:00 - 12:00 Pathology-Medicine-Surgery Conference; Medicine Case; O. H. Wangensteen, C. J. Watson, and Staffs; Todd Amphitheater, U. H.
- 12:00 - 1:00 Radio-Isotope Seminar; The Form, Availability and Characteristics of Useable Radio-isotopes - Pt. III; J. Freidman; Rm. 206, Hosp.Ct., Temp. Bldg.
- 3:30 - 4:30 Journal Club; Surgery Office, Ancker Hospital.
- 4:00 - 5:00 Infectious Disease Rounds; Basement Amph., General Hospital.

Wednesday, October 12 (Continued)

5:00 - 5:50 Urology-Pathological Conference; C. D. Creevy and Staff; E-101, U. H.

Thursday, October 13

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.

10:00 - 11:50 Medicine Ward Rounds; C. J. Watson and Staff; E-221, U. H.

10:30 - 11:50 Surgery-Radiology Conference; Daniel Fink and Lyle Hay; Veterans Hospital.

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

11:30 - 12:30 Clinical Pathology Conference; Steven Barron, C. Dennis, George Fahr, A. V. Stoesser and Staffs; Large Classroom, Minneapolis General Hospital.

12:00 - 1:00 Physiological Chemistry Seminar; 214 M. H.

1:00 - 1:50 Fracture Conference; A. A. Zierold and Staff; Minneapolis General Hospital.

2:00 - 3:00 Errors Conference; A. A. Zierold, C. Dennis and Staff; Large Classroom, Minneapolis General Hospital.

4:00 - 5:00 Bacteriology and Immunology Seminar; Growth Substances and Soil Micro-Organisms; E. L. Schmidt; 214 M. H.

4:30 - 5:20 Ophthalmology Ward Rounds; Erling W. Hansen and Staff; E-534, U. H.

5:00 - 6:00 X-ray Seminar; Review of Meeting of American Roentgen Ray Society; Todd Amphitheater, U. H.

Friday, October 14

8:30 - 10:00 Neurology Grand Rounds; A. B. Baker and Staff; Station 50, U. H.

9:00 - 9:50 Medicine Grand Rounds; C. J. Watson and Staff; Todd Amphitheater, U.H.

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.

11:00 - 12:00 Surgery-Pediatric Conference; C. Dennis, O. S. Wyatt, A. V. Stoesser and Staffs; Minneapolis General Hospital.

11:30 - 12:50 University of Minnesota Hospitals General Staff Meeting; Studies on the Effects of Pituitary Adrenocorticotrophic Hormone (ACTH) in Children with Spontaneous Hypoglycemia; Irvine McQuarrie, E. G. Mauer, M. R. Zeigler, and W. S. Wright; Powell Hall Amphitheater.

Friday, October 14 (Continued)

- 12:00 - 1:00 Surgery Clinical Pathological Conference; Clarence Dennis and Staff; Large Classroom, Minneapolis General Hospital.
- 1:00 - 1:50 Dermatology and Syphilology; Presentation of Selected Cases of the Week; H. E. Michelson and Staff; W-312, U. H.
- 1:00 - 3:00 Pathology-Surgery Conference; Auditorium, Ancker Hospital.
- 1:00 - 2:50 Neurosurgery-Roentgenology Conference; W. T. Peyton, Harold O. Peterson, and Staff; Todd Amphitheater, U. H.
- 4:00 - 5:00 Electrocardiographic Conference; George N. Aagaard; 106 Temp. Bldg., Hospital Court, U. H.
- 5:00 - 6:00 Otolaryngology Seminar; Review of Current Literature; Dr. Kusske; Todd Memorial Room, U. H.

Saturday, October 15

- 7:45 - 8:50 Orthopedics Conference; Wallace H. Cole and Staff; Station 20, U. H.
- 8:00 - 9:00 Pediatric Psychiatric Rounds; Reynold Jensen; 6th Floor, West Wing, U. H.
- 8:00 - 9:00 Surgery Literature Conference; Clarence Dennis and Staff; Small Classroom, 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 - 10:30 Pediatric Grand Rounds; I. McQuarrie and Staff; Eustis Amph., U. H.
- 9:00 - 11:30 Surgery-Roentgenology Conference; Report on Cancer Detection Center; David State; Todd Amphitheater, U. H.
- 9:00 - 11:30 Psychiatry Conference; Psychotherapy in Depressions; 104 I. A.
- 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 Anatomy Seminar; Review of "George Ellett Coghill" by C. Judson Herrick; Berry Campbell; 226 I. A.