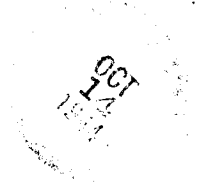


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Minnesota. University Hospitals.  
**Staff Meeting Bulletin**  
**Hospitals of the » » »**  
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**Hospitals Report**  
**1942-1944**

STAFF MEETING BULLETIN  
HOSPITALS OF THE . . .  
UNIVERSITY OF MINNESOTA

Volume XVI

Friday, October 13, 1944

Number 1

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Published for the General Staff Meeting each week  
during the school year, October to May.

Financed by the Citizens Aid Society,  
Alumni and Friends.

William A. O'Brien, M.D.

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DEC 31 '47 1 OF 1 BINDER

I.

UNIVERSITY OF MINNESOTA  
The Medical School  
Minneapolis

Dean of Medical Sciences

October 11, 1944

To the Staff of the University Hospitals:

Greetings once again to the old and the new. For almost three years our nation has been engaged in the most gigantic and most tragic war of all time. More than ten million of the cream of American youth are in the armed services, many of them on foreign fronts enduring undreamed of hardships and sacrifices in order that our way of life may continue.

Here at home we have been doing what we can to support those on the fighting fronts. For the Medical School and University Hospitals this has meant a reduction of teaching, intern, resident, nursing and service staffs, combined with an increase in teaching loads. Already an extra class of medical students has been graduated and the number of student nurses in training is twice what it was a few years ago.

All of this adds up to a great increase in the duties and responsibilities of the remaining staff, with problems and difficulties mounting higher and higher each year. The year ahead will be a difficult one, but I am confident that its problems will be met as they have been in the past by a loyal, competent, unselfish and considerate staff.

Harold S. Diehl, Dean

II.

UNIVERSITY OF MINNESOTA MEDICAL SCHOOL  
CALENDAR OF EVENTS

No. 42

October 16 - 21  
 Visitors Welcome

Monday, Oct. 16

- 9:00 - 10:00 Roentgenology Medicine Conference; L. G. Rigler, C. J. Watson and Staff, Todd Amphitheater, U. H.
- 9:00 - 11:00 Obstetrics and Gynecology Conference; J. L. McKelvey and Staff, Interns Quarters, U. H.

Tuesday, Oct. 17

- 9:00 - 10:00 Roentgenology-Pediatrics Conference; L. G. Rigler, I. McQuarrie and Staff, Eustis Amphitheater, U. H.
- 11:00 - 12:00 Urology Conference; C. D. Creevy and Staff, Main 515, U. H.
- 12:30 - 1:30 Pathology Conference; Autopsies; Pathology Staff, 104 I.A.
- 12:30 - 1:30 Physiology-Pharmacology Seminar; The Intestinal Absorption of Water and Electrolytes; The Fluid-Circuit Theory of Water and Electrolyte Absorption by the Intestine; N. Lifson; 214 M. H.
- 4:30 - 5:30 Obstetrics and Gynecology Conference; J. L. McKelvey and Staff, Station 54, U. H.
- 4:00 - 5:00 Pediatrics Grand Rounds; I. McQuarrie and Staff, W-205 U. H.
- 4:30 - 5:30 Ophthalmology Ward Rounds, Erling Hansen and Staff
- 5:00 - 6:00 Roentgen Diagnosis Conference; Beiswanger, Kelby, Merner, 515-M, U.H.

Wednesday, Oct. 18

- 9:00 - 11:00 Neuropsychiatry Seminar; J. C. McKinley and Staff, Station 60, Lounge, U. H.
- 11:00 - 12:00 Pathology-Medicine-Surgery Conference; Lymphoblastoma; E. T. Bell, C. J. Watson, O. H. Wangensteen and Staff, Todd Amphitheater, U. H.
- 12:30 - 1:30 Pediatrics Seminar; Reports of the American Pediatrics Society and the Pediatrics Research Society; I. McQuarrie; W-205 U. H.
- 12:30 - 1:30 Physiological Chemistry Literature Review; 116 M. H.
- 12:30 - 1:30 Pharmacology Seminar; Morphology and Life Cycle of Various Filaria; A. Kuckler, 105 M. H.
- 4:30 - 5:30 Neurophysiology Seminar; Transmissions of the Impulses from the Carotid Sinus; Frederic G. Kottke; 214 M. H.

Thursday, Oct. 19

- 9:00 - 10:00 Medicine Case Presentation; C. J. Watson and Staff, Todd Amphitheater, U. H.
- 12:30 - 1:20 Physiological Chemistry Seminar; Spectrographic Study of Vitamins and Hormones; Lorraine Schneider, 116 M. H.
- 4:30 - 5:30 Ophthalmology Ward Rounds; Erling Hansen and Staff
- 5:00 - 6:00 Roentgenology Seminar; Review of Recent Meetings; L. G. Rigler and K. W. Stenstrom, M-515 U. H.

Friday, Oct. 20

- 9:00 - 10:00 Medicine Grand Rounds; C. J. Watson and Staff; Todd Amphitheater, U.H.
- 8:30 - 10:00 Pediatrics Grand Rounds; I. McQuarrie and Staff
- 10:00 - 12:00 Medicine Ward Rounds; C. J. Watson and Staff; East 214 U. H.
- 10:30 - 12:30 Otolaryngology Case Studies; Out-Patient Otolaryngology Dept; L. R. Boies and Staff.
- 11:45 - 1:15 University of Minnesota Hospitals General Staff Meeting; Convulsive Disorders in Childhood; I. McQuarrie, Powell Hall Recreation Room
- 1:30 - 2:30 Medicine Case Presentation; C. J. Watson and Staff, Eustis Amphitheater.
- 1:00 - 2:30 Dermatology and Syphilology; Presentation of selected cases of the week; Henry E. Michelson and Staff; W-306 U. H.
- 1:30 - 3:00 Roentgenology-Neurosurgery Conference; H. O. Peterson, W. T. Peyton and Staff, Todd Amphitheater, U. H.

Saturday, Oct. 21

- 8:00 - 9:00 Surgery Journal Club; O. H. Wangensteen and Staff, Main 515 U. H.
- 9:15 - 10:30 Surgery-Roentgenology Conference; O. H. Wangensteen, L. G. Rigler and Staff, Todd Amphitheater, U. H.
- 9:00 - 10:00 Medicine Case Presentation; C. J. Watson and Staff, Main 515 U. H.
- 10:00 - 12:00 Medicine Ward Rounds; C. J. Watson and Staff, E-214 U. H.
- 11:30 - 12:30 Anatomy Seminar; New Acquisitions of Anatomical Books in the Library; S. P. Miller, I. A. 226

III. STAFF MEETING PROGRAM

Day

Each Friday from October, 1944 to June, 1945, except on University holidays.

Place

Recreation Room, Powell Hall.

Time

Luncheon (buffet) 11:45 A.M. - 12:15 P.M. Meeting 12:15 - 1:15.

Program

According to the American College of Surgeons, a general staff meeting program should consist of "(1) selected cases containing object lessons on improvement of technique of diagnosis or therapy; (2) group studies of various common diseases and injuries with special reference to end-results; (3) discussion of special reports from various clinical and scientific departments; (4) discussion of ways and means of elevating scientific efficiency of hospital staff."

Departmental Reports

In our organization the staff business proper is conducted by the superintendent and the administrative committee. Each week one service will make a clinical report of some special activity.

Bulletin (16th Year)

A copy will be given to each person attending the meeting. The bulletin is financed by special educational funds contributed by the Citizens' Aid Society of Minneapolis, a philanthropic group consisting of Mrs. George Chase Christian, Franklin M. Crosby, George P. Chase, and William P. Christian, and friends and alumni of the University of Minnesota.

Movies

Movies will be shown on occasion.

Discussions

The discussions are one of the most important parts of the meetings.

Advance copies of the program are supplied to interested persons so that they may prepare their discussions. In the past this has proven valuable but discussion is not limited to these staff members.

Guests

Any practitioner, intern or graduate student is welcome.

Distinguished Visitors

It is not our policy to relinquish our meeting time for lectures by visiting physicians but we are most anxious to have them join in our discussions. If we know of their coming in advance, plans can be made to avail ourselves of their presence.

Cooperation

The year's program is planned in advance. The contribution of each department will be a direct assignment from the head or director. Those who are given these assignments should cooperate to the best of their ability in the preparation of good programs.

For All

Come to the meetings on time, arrange your work so that you can stay until the end, willingly accept responsibility for programs and discussions. The standard in the past has been high; through your cooperation and interest it can be maintained.

Note: To Department Heads and Division Directors:

1. Subjects should be assigned now.
2. Copy for mimeographing should be from 14 to 28 double-spaced typewritten pages.
3. A limited number of lantern slides will be made for each program.

- - -

IV. HOSPITALS REPORT - 1942-43 -- 1943-44

UNIVERSITY OF MINNESOTA HOSPITALS

R. M. Amberg

The report of the University of Minnesota Hospitals for the fiscal years 1942-43 and 1943-44 is herewith presented:

IN-PATIENT DEPARTMENT

The number of patients admitted for the year 1942-43 was 9,020 and for the year 1943-44, 8,960. The total number of days of hospital treatment aggregated 131,393 the first year and 139,432 last year.

The average number of days per patient stay in the hospital was 14.6 for 1942-43 and 15.6 for 1943-44.

Deaths for the past year numbered 366 as compared with 373 in 1942-43. The percentage of post mortems obtained for 1942-43 was 69.7 and 81.7 for 1943-44.

The daily average number of patients was 359.9 in 1942-43 and 382 in 1943-44.

The surgical operations performed during the year aggregated 5,488 in 1942-43 and 6,155 in 1943-44.

OUT-PATIENT DEPARTMENT

The Out-Patient Department has been seriously affected during the war period by the lack of transportation. Most of our patients are brought in by automobile. The number of visits to the Out-Patient Department aggregated 73,380 in 1942-43 and 68,902 in 1943-44.

GENERAL REMARKS

The In-Patient Service had a slightly higher number of hospital days care and the Out-Patient Department had a slightly lower attendance record than the previous years due to the general war situation.

The X-ray Therapy Department gave a total of 11,417 treatments in 1942-43 and 10,029 in 1943-44. Through the generosity of the Citizens' Aid Society this department is now equipped with new and adequate equipment which has added immeasurably to the capacity of the department and has greatly reduced the waiting time for service.

The Psychopathic Hospital admitted 280 patients in 1942-43 and 251 in 1943-44. These patients used a total of 9,868 patient days the first year and 9,561 patient days the second year of the biennium.

Under the University Group Hospitalization plan we admitted 134 patients in 1942-43 and 139 in 1943-44. These patients spent a total of 1,193 patient days in 1942-43 and 1,492 patient days in 1943-44.

The report of the Social Service Department is attached for your consideration. This department carried on with its usual effectiveness during this period.

The Administration of the Hospitals wishes to thank the many generous friends who helped to maintain the services of the Hospitals: the Citizens' Aid Society for their continued support and their additions 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 its assistance to our patients; the school children of the state and the Children's Club group who have been thoughtful and generous in their gifts to our patients; the Traffic Club who again during the past biennium gave splendid Christmas gifts, entertainment, and cheer to all of our patients. We wish especially to thank the Minneapolis chapter of the American Red Cross for its aid to the Hospitals during this period of emergency and great shortage of help. Without the help of the Nurses' Aides, Nutritionists' Aides, and Gray Ladies the Hospitals would have been sorely beside itself to take care of its patients during this war period.

Finally, to all the loyal members of the professional and service staffs of the Hospitals, I wish to extend the appreciation of the Hospitals for their loyal devotion to duty and considerate care of the Hospitals' patients.



UNIVERSITY OF MINNESOTA HOSPITALS  
Statement of Income and Expense  
 July 1, 1942 to June 30, 1944

	July 1, 1942 to June 30, 1943	July 1, 1943 to June 30, 1944
Cash Balance	\$ 64,664.03	\$ 55,288.84
County and State Reimbursements	397,397.74	495,950.85
Minnesota Hospital and Home for Crippled Children	39,916.62	30,408.24
Out-Patient and Per Diem	279,416.82	422,239.88
General University Funds	153,347.07	118,976.69
Psychopathic Department	60,237.91	70,000.00
	\$ 994,980.10	\$1,192,864.50
Salaries and Wages	\$ 516,206.93	\$ 649,932.95
Supplies and Expense	415,227.51	464,200.57
Equipment	7,964.57	18,700.15
Building and Improvements	292.34	2,435.77
	\$ 939,691.35	\$1,135,269.44
Obligations at End of Year	42,600.92	79,024.69
Free Balance	12,687.92	- 21,429.63
	\$ 994,980.19	\$1,192,864.50

Note: During the biennium it was necessary to increase salaries and wages of employees from \$516,206.93 for the year 1942-43 to \$649,932.95 for the year 1943-44, an increase of \$133,726.02 or 26 per cent in Salaries and Wages for this period alone. This was a very difficult burden for the Hospitals, and, in effect, accounts for the deficit of \$21,429.63 for this period.

COMPARATIVE TWELVE-MONTHS' REPORT  
IN-PATIENT DEPARTMENT

<u>Total Patients Admitted</u>	<u>1942-43</u>	<u>1943-44</u>
Private	1,171	1,300
Per Diem	1,211	1,188
Free		
Eustis	209	120
Teaching and Research	310	165
Charity	145	11
Staff	342	281
County	3,715	3,700
Health Service	1,506	1,810
Psychopathic	211	166
Private	27	33
Per Diem	42	52
University Group Hospitalization		
Private	98	106
Per Diem	33	28
	<u>9,020</u>	<u>8,960</u>
 <u>Total Patients Treated (Discharged)</u>		
Private	1,114	1,270
Per Diem	1,161	1,138
Free		
Eustis	258	155
Teaching and Research	314	168
Charity	149	17
Staff	318	281
County	3,752	3,705
Health Service	1,469	1,834
Psychopathic	235	202
Private	25	35
Per Diem	33	39
University Group Hospitalization		
Private	101	109
Per Diem	33	30
	<u>8,962</u>	<u>8,983</u>
 <u>Total Days Hospital Care</u>		
Private	12,702	15,899
Per Diem	15,121	18,410
Free		
Eustis	7,078	6,202
Teaching and Research	4,620	3,156
Charity	1,888	199
Staff	1,934	1,561
County	69,661	73,656
Health Service	7,328	9,296
Psychopathic	7,494	7,125
Private	1,440	1,283
Per Diem	934	1,153
University Group Hospitalization		
Private	905	1,173
Per Diem	288	319
	<u>131,393</u>	<u>139,432</u>

COMPARATIVE TWELVE-MONTHS' REPORT (Cont'd)IN-PATIENT DEPARTMENT

	<u>1942-43</u>	<u>1943-44</u>
<u>Average Days Per Patient</u>		
Private	10.8	12.2
Per Diem	12.4	15.5
Free		
Eustis	33.9	51.7
Teaching and Research	14.9	19.1
Charity	13.0	18.1
Staff	5.7	5.5
County	18.1	19.9
Health Service	4.8	5.1
Psychopathic	35.5	42.9
Private	53.3	38.8
Per Diem	22.2	22.2
University Group Hospitalization		
Private	9.2	11.1
Per Diem	8.7	11.4
Average Length of Stay Per Patient	14.6	15.6
<u>Daily Average Number of Patients</u>		
Private	34.8	43.6
Per Diem	40.4	50.4
Free		
Eustis	19.4	16.9
Teaching and Research	12.7	8.6
Charity	5.2	.5
Staff	5.3	4.3
County	190.9	201.8
Health Service	20.1	25.5
Psychopathic	20.5	19.5
Private	3.9	3.5
Per Diem	2.6	3.1
University Group Hospitalization		
Private	2.5	3.2
Per Diem	.8	.9
Daily Average Census for Hospital	359.9	392.0

COMPARATIVE TWELVE-MONTHS' REPORT  
IN-PATIENT DEPARTMENT

<u>SERVICE</u>	<u>Admissions</u>		<u>Patient Days</u>		<u>Average Length of stay</u>	
	<u>1942-43</u>	<u>1943-44</u>	<u>1942-43</u>	<u>1943-44</u>	<u>1942-43</u>	<u>1943-44</u>
General Surgery	1,076	1,055	16,869	19,424	15.7	18.4
Urology	637	685	7,538	7,566	11.8	11.0
Orthopedics	257	216	7,045	5,949	27.4	27.5
Neurosurgery	191	181	3,111	3,643	16.3	20.1
Tumor Surgery	255	270	2,195	3,117	8.6	11.6
Reconstruction Surgery	<u>67</u>	<u>99</u>	<u>1,404</u>	<u>3,082</u>	<u>20.9</u>	<u>31.1</u>
Total	2,483	2,506	38,162	42,781		
Medicine	1,160	1,150	17,094	18,769	14.7	16.3
Neurology	379	409	5,583	6,084	14.7	14.8
Dermatology	<u>144</u>	<u>128</u>	<u>2,450</u>	<u>3,013</u>	<u>16.0</u>	<u>23.5</u>
Total	1,683	1,687	25,127	27,866		
Psychiatry	280	259	9,850	9,681	35.2	37.3
Ophthalmology	214	281	3,482	3,800	16.3	13.5
Otolaryngology	<u>284</u>	<u>274</u>	<u>1,706</u>	<u>1,982</u>	<u>6.0</u>	<u>7.2</u>
Total	498	555	5,188	5,782		
Gynecology	423	372	5,028	4,216	11.9	11.3
Tumor Gynecology	<u>123</u>	<u>131</u>	<u>3,890</u>	<u>4,926</u>	<u>31.6</u>	<u>37.6</u>
Total	546	503	8,918	9,142		
Obstetrics	494	311	6,260	4,935	12.6	15.8
Newborn Pediatrics	393	239	4,520	3,009	18.5	12.6
Pediatrics & Specialties	1,098	1,096	25,908	26,941	23.5	24.6
Health Service	1,506	1,799	7,328	9,283	4.9	5.2
Ambulatory	<u>39</u>	<u>5</u>	<u>132</u>	<u>12</u>	<u>3.4</u>	<u>2.4</u>
TOTALS	9,020	8,960	131,393	139,432	14.6	15.6

OUT-PATIENT DEPARTMENTCOMPARATIVE REPORT

<u>CLINIC</u>	<u>New Patients</u>		<u>Revisits</u>		<u>Totals</u>	
	<u>1942-43</u>	<u>1942-43</u>	<u>1942-43</u>	<u>1942-43</u>	<u>1942-43</u>	<u>1943-44</u>
Admissions	4,111	3,815			4,111	3,815
Medicine						
General			16,149	15,170	16,149	15,170
Cardiac	631	698	1,035	881	1,666	1,579
Chest	229	235	2,977	2,747	3,206	2,982
Diabetic	121	137	952	952	1,073	1,089
Gastro-intestinal	698	725	167	133	865	858
Metabolism	105	134	495	538	600	672
Neurology	977	1,053	1,739	1,886	2,716	2,939
Skin						
Syphilis Clinic	91	98	3,128	2,558	3,219	2,656
Dermatology	631	885	2,458	3,069	3,089	3,954
Surgery						
Fracture	27		55		82	
General	1,245	1,169	6,904	6,842	8,149	8,011
Genito-Urinary						
Female	241	223	800	623	1,041	846
Male	418	454	1,495	1,141	1,913	1,595
Neuro-surgery	129	141	316	387	445	528
Reconstruction	28	17	326	79	354	96
Tumor	387	373	2,797	2,382	3,184	2,755
Orthopedic	430	428	1,495	1,376	1,925	1,804
Physical Therapy	19		16		35	
Ear	289	343	1,181	1,010	1,470	1,353
Eye						
General	933	869	2,371	2,867	3,304	3,736
Refraction	240		591	713	831	713
Squint	6		183	53	189	53
Nose and Throat	581	604	1,874	1,643	2,455	2,247
Obstetrics	331	157	1,775	731	2,106	888
Gynecology	712	629	1,747	1,444	2,459	2,073
Gynecology Tumor	60	59	969	855	1,029	914
Pediatrics	763	680	3,339	3,706	4,102	4,386
Children's Psychiatric	72	67	987	663	1,059	730
Speech	5	9	183	202	188	211
Nutrition	67	22	203	109	270	131
Dental	31	25	65	93	96	118
<b>TOTALS:</b>	<b>14,608</b>	<b>14,049</b>	<b>58,772</b>	<b>54,853</b>	<b>73,380</b>	<b>68,902</b>

PHYSICAL THERAPY DEPARTMENT

COMPARATIVE REPORT

<u>TYPE OF TREATMENT</u>	<u>Number of Out-Patients Treated</u>		<u>Number of Hospital Patients Treated</u>		<u>Total Number of Patients Treated</u>	
	<u>1942-43</u>	<u>1943-44</u>	<u>1942-43</u>	<u>1943-44</u>	<u>1942-43</u>	<u>1943-44</u>
	Diathermy (Conventional) (Short Wave)	1,085	26 1,993	492	338	1,577
Ultra Violet	430	195	285	341	715	536
Phototherapy - Infra Red	693	1,228	925	901	1,618	2,129
Massage - Muscle Training	1,947	3,700	1,318	1,893	3,265	5,593
Suspension	27	2	19	0	46	2
Pool	551	365	56	33	607	398
Pressure Cuff	184	115	0	151	184	266
Whirlpool	1,244	3,182	265	478	1,509	3,660
Galvanic - Faradic	132	397	15	224	147	621
Hot Packs	21	39	4	10	25	49
<b>TOTALS</b>	<b>6,314</b>	<b>11,242</b>	<b>3,379</b>	<b>4,369</b>	<b>9,693</b>	<b>15,611</b>
<b>NEW PATIENTS</b>	<b>318</b>	<b>562</b>	<b>157</b>	<b>135</b>	<b>475</b>	<b>697</b>
<b>NO. OF PATIENTS TREATED</b>		<b>7,343</b>		<b>2,535</b>		<b>9,878</b>

FEVER THERAPY (1943-44)

<u>Diagnosis</u>	<u>Number of Treatments</u>
Arthritis	10
Arthritis (Gonorrhoea)	21
Chorea	5
Syphilis	18
Multiple Sclerosis	4
Paresis	33
Pelvic Inflammatory Disease (Gonorrhoea)	2
Tabes Dorsalis	15
Undulant Fever	0
Tabes Paresis	3
Interstitial Keratitis	8
Subacute Bacterial Endocarditis	6
Gonorrhoea	1
Nephrosis	3
Urethritis (Gonorrhoea)	2
Post Encephalitic	3
TOTAL	<hr/> 134

COMPARATIVE LABORATORY REPORT

	Main 1943-44	Chemistry 1943-44	EKG & MET. 1943-44	Tissue 1943-44	Blood Bank 1943-44	Bacteriol- ogy 1943-44	Dispensary 1943-44	Health Service 1943-44	Totals 1943-44
<b>BODY CAVITY FLUID</b>									
Routine	191								191
<b>CEREBROSPINAL FLUID</b>									
Routine	1,028								1,028
Colloidal Gold	531								531
Erythrocyte Count	370								370
<b>DUODENAL DRAINAGE</b>									
Routine	40								40
<b>FECES</b>									
Blood, occult	294						1,277	17	1,588
Fat	4						121	49	174
Ova-Parasites	60								60
Pus	23								23
Urobilinogen	13								13
Stercobilin	1								1
Microscopic							199	19	218
<b>GASTRICS</b>									
Routine	228						1,812	14	2,054
Blood, occult	16						804	10	830
Boas Test	0						4		16
Lactic Acid	12						11		11
Volume							11		11
Dye									
<b>HEMATOLOGY</b>									
Hemoglobin	12,172						9,480	7,466	29,118
Erythrocyte Count	2,006						1,760	559	4,325
Leukocyte Count	12,826						5,829	3,326	21,981
Differential	10,506						3,309	2,555	16,370
Dural Fluid	1								1
Bleeding Time	797						86	19	902
Clotting Time	938						85	19	1,042
Clot Retractility	1						10	0	11



COMPARATIVE LABORATORY REPORT (Cont.)

	Main	Chemistry	EKG & Met.	Tissue	Blood Bank	Bacteriol- ogy	Dispensary	Health Service	Totals
	1943-44	1943-44	1943-44	1943-44	1943-44	1943-44	1943-44	1943-44	1943-44
<b>HEMATOLOGY (Cont.)</b>									
Fragility		15					16	2	33
Hematocrit	1,071						166	10	1,247
M.C.C.		6					3		9
M.C.D.		14					21		35
M.C.H.		4					2		6
M.C.V.		6					2		8
Parasites		20							20
Platelet Count		69					115	11	195
Prothrombin Rate	1,081								1,081
Reticulocyte Count		80					214	2	296
Sedimentation Rate	649						2,363	481	3,493
Eosinophil smear		1							1
Color Index							1		1
<b>SMEARS</b>									
Acid fast							230	14	244
Gonorrhoea							116	231	347
Monilia							4		4
Nasal *Eosinophiles)							14	17	31
Vincent's							1	18	19
Miscellaneous							67	164	231
<b>URINES</b>									
Routine	11,606						10,586	8,966	31,158
Color		0					0	0	
Specific Gravity		14					2	0	16
p <sup>H</sup>		9					234		243
Sugar, qualitative		405					329	0	734
Acetone		27					1,110	46	1,183
Diacetic Acid		8					390	25	423
Sediment	1,306						548	0	1,854
Parasites		3							3
Bence-Jones protein		11					4		15
Albumen							179		179
Bilirubin		39					60	6	105
Concentration and Dilution		19					524	15	558

COMPARATIVE LABORATORY REPORT (CONT.)

	Main 1943-44	Chemistry 1943-44	EKG & MET. 1943-44	Tissue 1943-44	Blood Bank 1943-44	Bacteriol- ogy 1943-44	Dispensary 1943-44	Health Service 1943-44	Totals 1943-44
<b>URINE (Cont)</b>									
Phenolsulfon- thalein Test	746						256	15	1,017
Fermentation	14						14	0	28
Porphyrin	1						6		7
Protein (esbach)	2								2
Sulfonamide Crystals	256								256
Sugar, quantitative	2,263								2,263
Urobilinogen							6		6
Urobilinogen, qualitative	70						76	9	155
Blood Sugar								3	3
Sulfas								1	1
Addis Count							1		1
Sulf., qualitative	15								15
Cystos	79								79
Glucose Tolerance	4								4
Albumen	12								12
<b>VENIPUNCTURES</b>									
Heterophils							8,598	5,454	14,052
Glucose Tolerance								14	14
Cephalin Cholesterol Flocculation								4	4
Glucose								1	1
								1	1
<b>ROUTINE (Blood)</b>									
Bilirubin		1,219							1,219
Calcium		341							341
Carbon Dioxide Capacity		2,153							2,153
Chloride (as NaCl)		2,322							2,322
Cholesterol, Total		728							728
Creatinine		422							422
Glucose		2,278							2,278
Icterus Index		90							90
Phosphorus		214							214
Protein, total		2,937							2,937
Sulfonamides		4,216							4,216
Thiocyanate		276							276

COMPARATIVE LABORATORY REPORT (Cont.)

	Main 1943-44	Chemistry 1943-44	EKG & MET. 1943-44	Tissue 1943-44	Blood Bank 1943-44	Bacteriol- ogy 1943-44	Dispensary 1943-44	Health Service 1943-44	Totals 1943-44
<b>ROUTINE (Blood)</b>									
Urea Nitrogen		5,423							5,423
Uric Acid		223							223
Van den Berg		0							0
<b>CEREBROSPINAL FLUID</b>									
Chlorides		2							2
Glucose		718							718
Protein, qualitative		969							969
Protein, quantitative		944							944
Specific Gravity (falling drop)		0							0
<b>SPECIAL (Blood)</b>									
Amino Acid Nitrogen		2							2
Amylase		37							37
Bilirubin Tolerance		0							0
Biliverdin		22							22
Bromsulfalein Tolerance		157							157
Cholesterol, Esters		0							0
Cholesterol, Free		0							0
Congo Red		11							11
Fibrinogen		4							4
Galactose Tolerance		84							84
Glucose Tolerance		478							478
Glucose Tolerance (Exton Rose)		0							0
Glucose Tolerance (Micro)		5							5
Insulin Tolerance		0							0
Levulose Tolerance		0							0
Lipase		1							1
Phosphatase, acid		407							407
Phosphatase, alkaline		437							437
Potassium		15							15
Protein, ratio & total		307							307
Total Base		0							0
Vitamin C		186							186

COMPARATIVE LABORATORY REPORT (Cont.)

	Main 1943-44	Chemistry 1943-44	EKG & MET. 1943-44	Tissue 1943-44	Blood Bank 1943-44	Bacteriol- 1943-44	Dispensary 1943-44	Health Service 1943-44	Totals 1943-44
<b>CEREBROSPINAL FLUID</b>									
Sulfonamides		38							38
<b>FECES</b>									
Fat		0							0
Nitrogen		2							2
Urobilinogen		2							2
<b>URINE</b>									
Calcium		31							31
Chloride		24							24
Creatine		29							29
Creatinine		28							28
Galactose Tolerance		0							0
Glucose, quantitative		0							0
Hemoglobin		0							0
Hippuric Acid		1							1
Non-Protein Nitrogen		0							0
Urea		8							8
Uric Acid		0							0
Urobilinogen, 2 hour		336							336
Phosphorus		5							5
<b>MISCELLANEOUS</b>									
Calculi		11							11
Nitrogen		0							0
Urea Clearance		5							5
Water Test		3							3
Sulfonamides, free		6							6
Sulfonamides, total		2							2
Trypsin		6							6
Basal Metabolic Rates			1,603						1,603
Electrocardiographs			3,917						3,917
Autopsies				1,517					1,517
Frozens				173					173
Surgicals				3,677					3,677

COMPARATIVE LABORATORY REPORT (Cont.)

	Main	Chemistry	EKG & MET.	Tissue	Blood Bank	Bacteriol- ogy	Dispen- sary	Health Service	Totals
	1943-44	1943-44	1943-44	1943-44	1943-44	1943-44	1943-44	1943-44	1943-44
Blood Groupings					8,992				8,992
Cross Matchings					6,344				6,344
Klines					6,711				6,711
Heterophile Antibody					285				285
Cold Agglutinins					2				2
<b>CULTURES</b>									
Blood						3,441			3,441
Drug Room						382			382
Gonorrhoea						398			398
Nose and Throat						413			413
Stool						100			100
Urine						4,232			4,232
Miscellaneous						2,155			2,155
<b>SMEARS</b>									
Acid-fast						284			284
Gonorrhoea						325			325
Miscellaneous						554			554
Pneumo Typings						238			238
Cerebro-spinal fluids						307			307
<b>TOTALS</b>	<b>61,983</b>	<b>28,165</b>	<b>5,520</b>	<b>5,367</b>	<b>22,334</b>	<b>12,829</b>	<b>51,056</b>	<b>29,563</b>	<b>216,817</b>

COMPARATIVE LABORATORY REPORT

	Main Laboratory 1942-43	Out-Patient Laboratory 1942-43	SHS Laboratory 1942-43	Totals 1942-43
Hemoglobin	13,004	9,561	7,861	30,426
Erythrocyte Count	2,602	1,346	436	4,384
Leukocyte Count	13,567	5,093	1,413	20,073
Differential Count	10,987	2,527	1,166	14,680
Platelet Count	108	129	8	245
Reticulocyte Count	91	209	14	314
Bleeding Time	542	70	12	624
Clotting Time	546	66	14	626
Sedimentation Rate	547	1,844	4	2,395
Hematocrit	1,073	288	254	1,615
Fragility	30	37	4	71
Prothrombin	845	3		848
Basophilic Stippling	2			2
Clot Retracting		6		6
Mean Corpuscular Diameter	61	34		95
Mean Corpuscular Hemoglobin Conct.		23		23
Mean Corpuscular Volume		34		34
Mean Corpuscular Hemoglobin		25		25
Urines	13,450	12,302	9,120	34,872
Sugar	2,813	8		2,821
Urine Sediments	2,316			2,316
Urines (Urology)				
Acetone and Diacetic	750	805	72	1,627
Bilirubin	90	32	1	123
Urobilinogen	104	55	4	163
Phenolsulphonethalin	803	429	43	1,275
Cystoscopic Urine	933			933
Bence-Jones				
Qualitative Urobilin				
Sperm Count	2			2
Fermentations		2		2
Microscopic				
Concentration and Dilution	28	887		947
Prophyrin		1		1
Hemoglobinuria				
Smear				
Pigments	3			3
Gastric Expression	398	1,850	10	2,258
Benzedrine	287		3	290
Quaiac	310		3	313
Duodenal Drainage	43	9	3	55
Feces	300	1,353	56	1,709
Cerebrospinal Fluid Count	778			778
Body Fluid	159			159
Takata-Ara	1			1
Colloidal Gold	742			742
Emesis for Blood				
Proctology Smears				
Esbach	76			76
Bile Drainage		7		7

COMPARATIVE LABORATORY REPORT (Cont.)

	Main Laboratory 1942-43	Out-Patient Laboratory 1942-43	SHS Laboratory 1942-43	Totals 1942-43
Bile Pigments	2			2
Prophobilinogen				
Lactic Acid	10			10
Tissues	5,362			5,362
Metabolism	1,780			1,780
Electrocardiogram	3,619			3,619
Blood Groupings	7,673			7,673
Cross Matching	5,723			5,723
Klines	5,578			5,578
Routine Cultures	6,001			6,001
Blood Cultures	2,400			2,400
Gonococcic Smears	240	291	330	861
Gonococcic Cultures	332			332
Miscellaneous Smears	474		250	724
Pneumo-typings	370			370
Tuberculosis Smears	265	286	17	568
Ear, Nose and Throat Smears	826			826
Heterophile Antibodies	489			489
Pour Plates	220			220
Miscellaneous Smears		527		527
Potassium	17			17
Lipase	16			16
Acid Base				
Phosphatase				
Total Protein	2,295			2,295
Albumin	883			883
Globulin	879			879
Fibrinogen	2			2
Total proteins, falling drop				
Icterus Index	148			148
Bilirubin	804			804
Free				
Total	655			655
Van den Bergh				
Total cholesterol				
CEREBROSPINAL FLUID				
Proteins	858			858
Glucose	745			745
Chlorides	110			110
URINES				
Urea Clearance	28			28
Quantitative Glucose	102			102
Galactose	5			5
Uric Acid	9			9
Sulkowitch	79			79
Urine Urea	5			5
Urea Nitrogen	33			33
Urine Phosphorus	7			7
Chloride as sodium chloride	89			89
Hemoglobin on Urine				
Nonprotein Nitrogen				
Urobilin	30	3		33

## COMPARATIVE LABORATORY REPORT (Cont.)

	Main Laboratory 1942-43	Out-Patient Laboratory 1942-43	SHS Laboratory 1942-43	Totals 1942-43
Creatine	52			52
Creatinine	52			52
Drug Room	349			349
Spinals	337			337
Vaccines	120			120
Chocolate Agar				
Agglutination Test				
Vena Punctures		8,388	8,434	16,822
Kahns	2,167			2,167
Wassermanns	2,655			2,655
BLOOD				
Blood Urea Nitrogen	4,698			4,698
Nonprotein Nitrogen				
Uric Acid	343			343
Creatinine	737			737
Amino Acid	2			2
Urea Clearance				
Chloride as sodium chloride	1,883			1,883
Carbon dioxide combined power	1,880			1,880
Glucose	2,487			2,487
Glucose Tolerance	221			221
Galactose Tolerance	146			146
Adrenalin Sugar Tolerance				
Levulose Tolerance				
Insulin Tolerance	1			1
Sulfanilamide	401			401
Sulfapyridine				
Sulfathiazole	1,385			1,385
Sulfanilylguanidine				
Sulfadiazine	2,328			2,328
Sulfamethyldiazine	335			335
Sulfamerizene	26			26
Vitamin C	292			292
Calcium	484			484
Phosphorus	293			293
Parasites	17			17
Congo Red	8			8
Bromsulfalein	93			93
Fat	2			2
Fecal N.	11			11
Calculi	26			26
Thiocyanate	429			429
Hippuric Acid	94			94
Specific gravity, body fluids	31			31
Alkaline Phosphates	351			351
Acid Phosphates	328			328



COMPARATIVE LABORATORY REPORT (Cont.)

	<u>Main Laboratory 1942-43</u>	<u>Out-Patient Laboratory 1942-43</u>	<u>SHS Laboratory 1942-43</u>	<u>Totals 1942-43</u>
Urine Galactose Tolerance				
Biliverdine	89			89
Nonne				
Pleural Fluid				
Bladder Stones				
Amino Acid				
Amylase	62			62
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TOTALS	142,769	48,530	29,564	220,863

## UNIVERSITY OF MINNESOTA HOSPITALS

Pharmacy Report  
(7/1/43 - 7/1/44)

Month	Out-Patient Rx	Hospital Rx	Total Rx	Out-Patient Net Sales	Hospital New Sales	Health Service Sales	Allergens	Allergen Rx's
July	3,730	5,658	9,388	\$ 1,470.00	\$5,478.95	553.50	252.10	269
August	3,678	5,361	9,039	1,383.90	5,997.55	456.80	286.00	369
September	3,452	5,467	8,919	1,348.60	5,565.65	446.95	184.50	231
October	3,829	4,987	8,816	1,587.45	4,891.60	620.15	102.60	117
November	4,522	5,458	9,980	1,453.55	5,601.20	778.80	80.50	84
December	4,192	5,049	9,241	1,345.85	5,455.80	781.20	104.00	90
January	4,772	5,398	10,170	1,466.85	5,824.55	890.15	138.00	94
February	4,248	5,186	9,434	1,491.00	5,316.40	671.55	238.75	280
March	4,271	5,407	9,678	1,556.80	5,802.80	553.10	224.00	243
April	3,751	5,478	9,229	1,457.05	5,611.55	475.85	424.25	449
May	3,609	6,209	9,818	1,640.75	6,287.85	478.20	291.45	335
June	3,272	6,367	9,639	1,654.85	7,720.45	313.30	226.95	210
TOTAL	47,326	66,025	113,351	17,856.65	69,554.35	7,019.55	2,553.10	2,771

COMPARATIVE REPORT  
ROENTGENOLOGY

<u>Parts Examined</u>	<u>1942-43</u>	<u>1943-44</u>
Abdomen	717	895
Ankle	204	179
Bladder	24	35
Bronchography	44	87
Cervical Spine	275	221
Chest	8,193	8,468
Cholangiography	102	168
Clavicle	22	28
Coccyx	16	29
Colon	684	850
Cystogram	64	55
Elbow	156	108
Encephalogram	97	55
Esophagus	259	160
Femur	315	346
Fluoroscopy	2,789	3,606
Foot	248	291
Gall Bladder	625	614
Hand	220	251
Heart	405	349
Hip	382	372
Humerus	117	104
Hystero-salpingography	1	0
Injection of Fistulae	0	7
Knee	345	334
Liver and Spleen ( Thorotrast )	4	7
Lumbosacroiliacs	864	861
Mandible	138	142
Mastoid	164	157
Maxilla	24	40
Miscellaneous	303	341
Myelography	37	25
Neck and Thyroid	32	32
Nose	11	33
Orbits	29	25
Pelvis	632	718
Pregnancy	34	4
Radius and Ulna	128	53
Ribs	123	142
Sacroiliac	31	15
Sacrum	23	21
Scapula	3	12
Sella Turcica	31	8
Shoulder	257	232
Sinuses (Paranasal)	534	541
Sinuses (Paranasal) Iodized Oil	6	90
Skull	657	719

COMPARATIVE REPORT (Cont.)ROENTGENOLOGY

<u>Parts Examined</u>	<u>1942-43</u>	<u>1943-44</u>
Sterno-clavicular joints	3	3
Sternum	3	29
Stomach and duodenum	1,673	1,866
Temporo-mandibular joint	26	14
Thoracic Spine	321	327
Tibia and Fibula	416	248
Urinary Tract	756	610
Urography, intravenous	775	677
Urography, retrograde	265	232
Ventriculography	48	60
Wrist	201	225
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TOTALS	24,856	26,121

COMPARATIVE TWELVE-MONTHS' REPORTX-RAY THERAPY DEPARTMENT

<u>Deep X-Ray Treatments</u>	<u>1942-43</u>	<u>1943-44</u>
New Patients Treated	512	487
Patients Retreated	237	212
TOTAL NUMBER OF PATIENTS TREATED	749	699
Hennepin County Patients	90	97
Ramsey County Patients	22	24
TOTAL COUNTY PATIENTS	333	259
Out-Patient Treatments	6,267	6,092
House-Patient Treatments	2,767	2,863
TOTAL NUMBER OF TREATMENTS	9,034	8,955
 <u>Superficial X-Ray Treatments</u>		
Out-Patient Treatments	2,264	1,035
House-Patient Treatments	119	39
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TOTAL NUMBER OF TREATMENTS	2,383	1,074

COMPARATIVE TWELVE MONTHS' REPORTWAITING LIST

<u>Service</u>	<u>1942-43</u>	<u>1943-44</u>
Male Surgery	45	32
Female Surgery	28	47
Neuro-Surgery	4	0
White Surgery	0	0
Plastic Surgery	0	13
Urology	38	5
Surgical Pediatrics	12	3
Orthopedic Pediatrics	4	2
Reconstruction Pediatrics	21	21
Chest Surgery	0	0
Orthopedics	53	44
Male Medicine	1	0
Female Medicine	1	0
Neurology	8	4
Dermatology	6	0
Pediatrics	6	4
Gynecology	0	0
Ophthalmology	47	9
Ophthalmology Pediatrics	0	5
Oto-Laryngology	4	7
Tonsils and Adenoids	6	27
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	284	223