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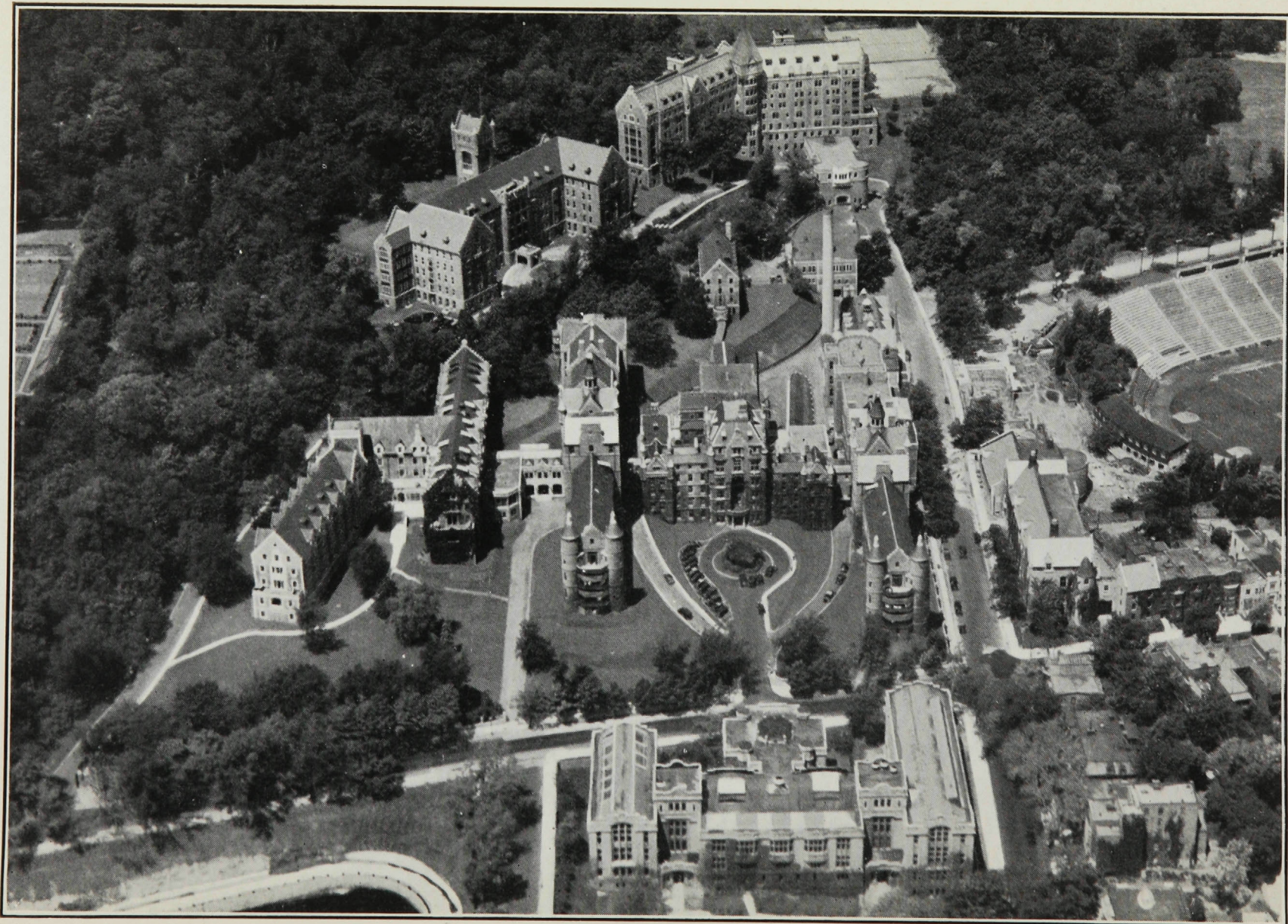


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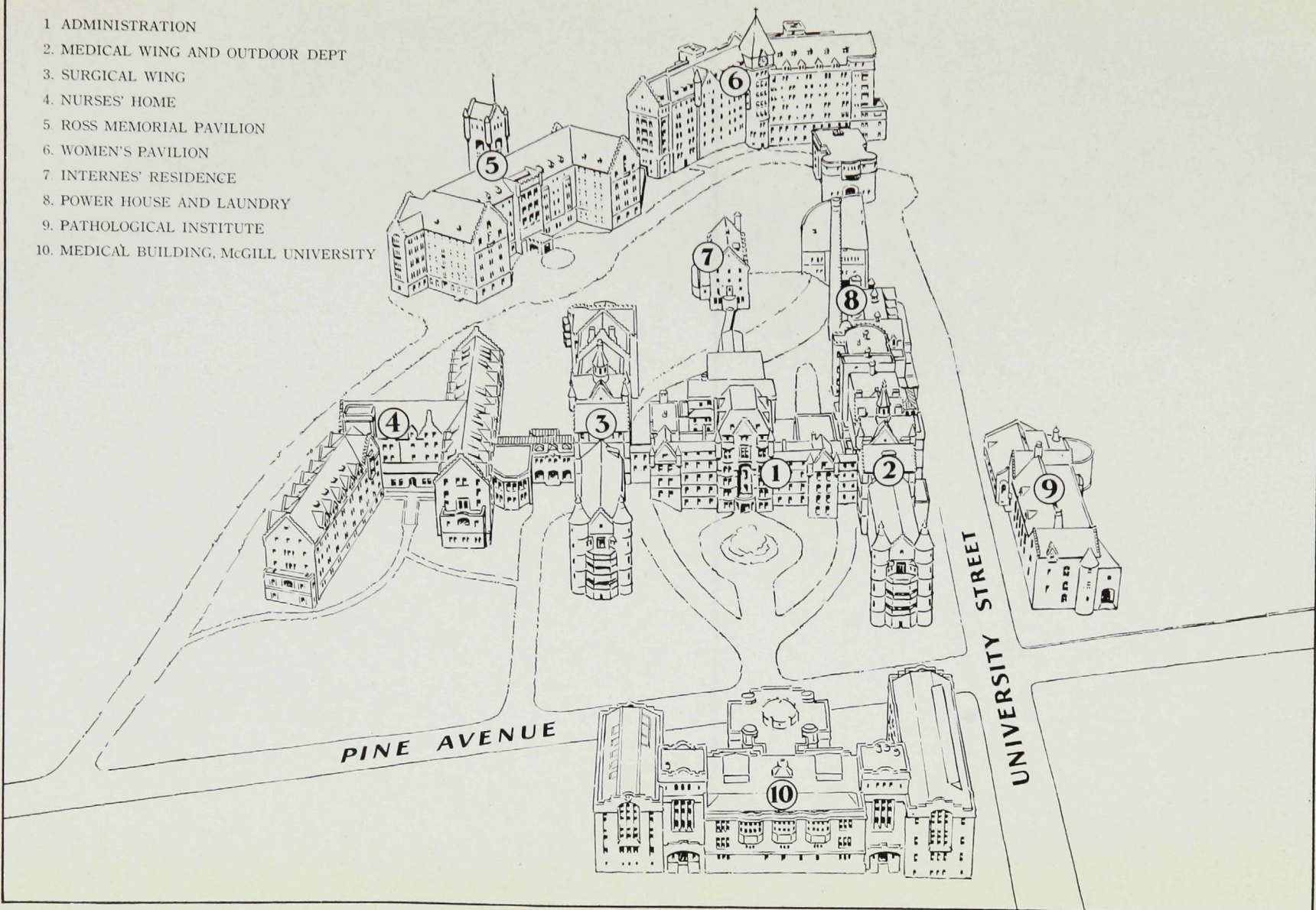




ROYAL VICTORIA HOSPITAL



- 1 ADMINISTRATION
- 2 MEDICAL WING AND OUTDOOR DEPT
- 3 SURGICAL WING
- 4 NURSES' HOME
- 5 ROSS MEMORIAL PAVILION
- 6 WOMEN'S PAVILION
- 7 INTERNES' RESIDENCE
- 8 POWER HOUSE AND LAUNDRY
- 9 PATHOLOGICAL INSTITUTE
- 10 MEDICAL BUILDING, MCGILL UNIVERSITY





THE  
ROYAL VICTORIA HOSPITAL  
MONTREAL  
CANADA

FORTY-FIRST

ANNUAL REPORT

*for*

THE YEAR ENDED  
31st DECEMBER, 1934



# INDEX



	Page
Founder and Governors.....	5
Associate Governors.....	6
Consulting Staff.....	7
Officers.....	8
Medical Board.....	9
Attending Staff.....	10
Resident Staff.....	16
Chairman's Remarks.....	19
Superintendent's Report.....	21
Financial Statements.....	31
Auditor's Report.....	37
Statistics.....	38
Report of the Auxiliary Board of Governors.....	40
Report of the School of Nursing.....	47
Graduating Class.....	50
Report of the Department of Nutrition.....	51
Social Service Department Report, R.V.H.....	54
"    "    "    "    Women's Pavilion.....	57
Report of the Royal Victoria Hospital Library.....	60
Donations and Bequests.....	63
Department of Medicine Report.....	70
Department of Surgery Report.....	78
Department of Neurology and Neurosurgery Report.....	89
Department of Obstetrics and Gynæcology Report.....	98
Department of Ophthalmology Report.....	137
Department of Oto-Laryngology Report.....	139
Department of Urology Report.....	145
Department of Pathology Report.....	152
Department of Bacteriology Report.....	155
Department of Röntgenology Report.....	159
List of Clinics, Out-Patients' Department.....	163
Regulations Governing Public Ward Patients.....	164
Visiting Hours.....	165

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*"Arranged in Alphabetical Order"*

1935

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DR. AUDLEY GIFFIN	DR. MASON COUPER
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Asst. Residents:

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DR. CHAS. B. CHURCH	DR. FRANK CHRISTIE
DR. J. R. UPTON	DR. A. P. TORTOLANI
DR. J. T. FARR	DR. J. C. WHYTE

## House Ophthalmologist

DR. J. H. SPRAGUE

## House Oto-Laryngologists

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DR. THOMAS F. REID	

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DR. JOHN T. MACLEAN	DR. A. B. WALLACE

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DR. LISTER REID	DR. L. H. McCONNELL (Externe)

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DR. E. R. WARD

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DR. R. E. MITCHELL

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J. NORMAN PETERSEN, B.Sc., M.D., C.M.

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**LABORATORY SERVICES**

**Neuroanatomist**

COLIN RUSSEL, M.D.

**Biochemist**

DONALD McEACHERN, M.D.

**Neurophysiologist**

ARTHUR ELVIDGE, M.D.

**Neurophysiological Fellow**

GEORGE STAVRAKY, M.D., C.M., M.Sc.

**Fellow in Roentgenology**

A. E. CHILDE, M.D.

**Neuropathologist**

WILLIAM CONE, M.D.

**Neuropathological Fellow**

WILLIAM GRANT, M.D.

**Research Fellows**

WILLIAM GIBSON, B.A.

WEBB HAYMAKER, M.D.

HADDOW KEITH, M.B. (TOR.)

NATHAN NORCROSS, S.B., M.D.

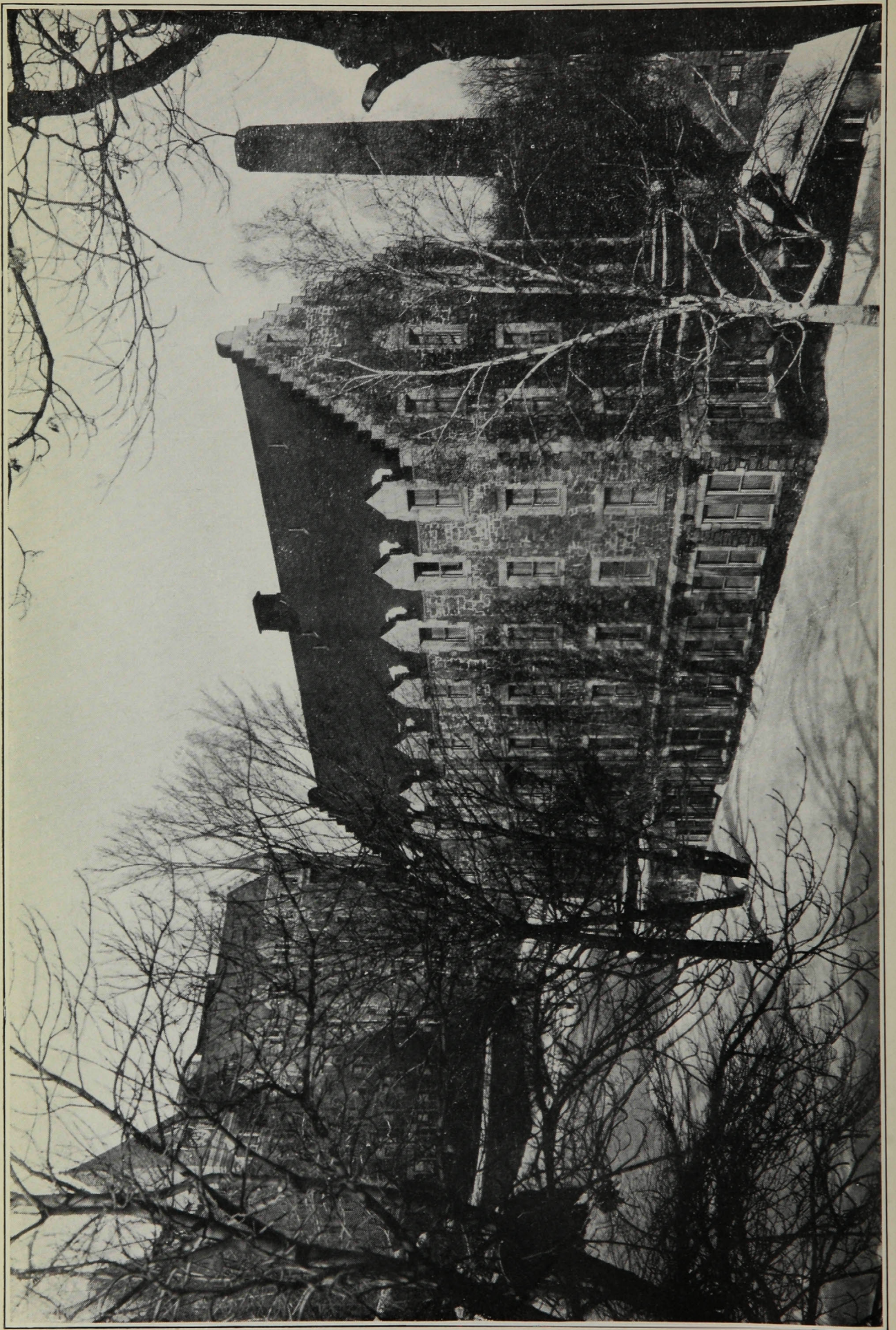
ISADORE TARLOV, A.B., M.D., M.Sc.

**Voluntary Fellows**

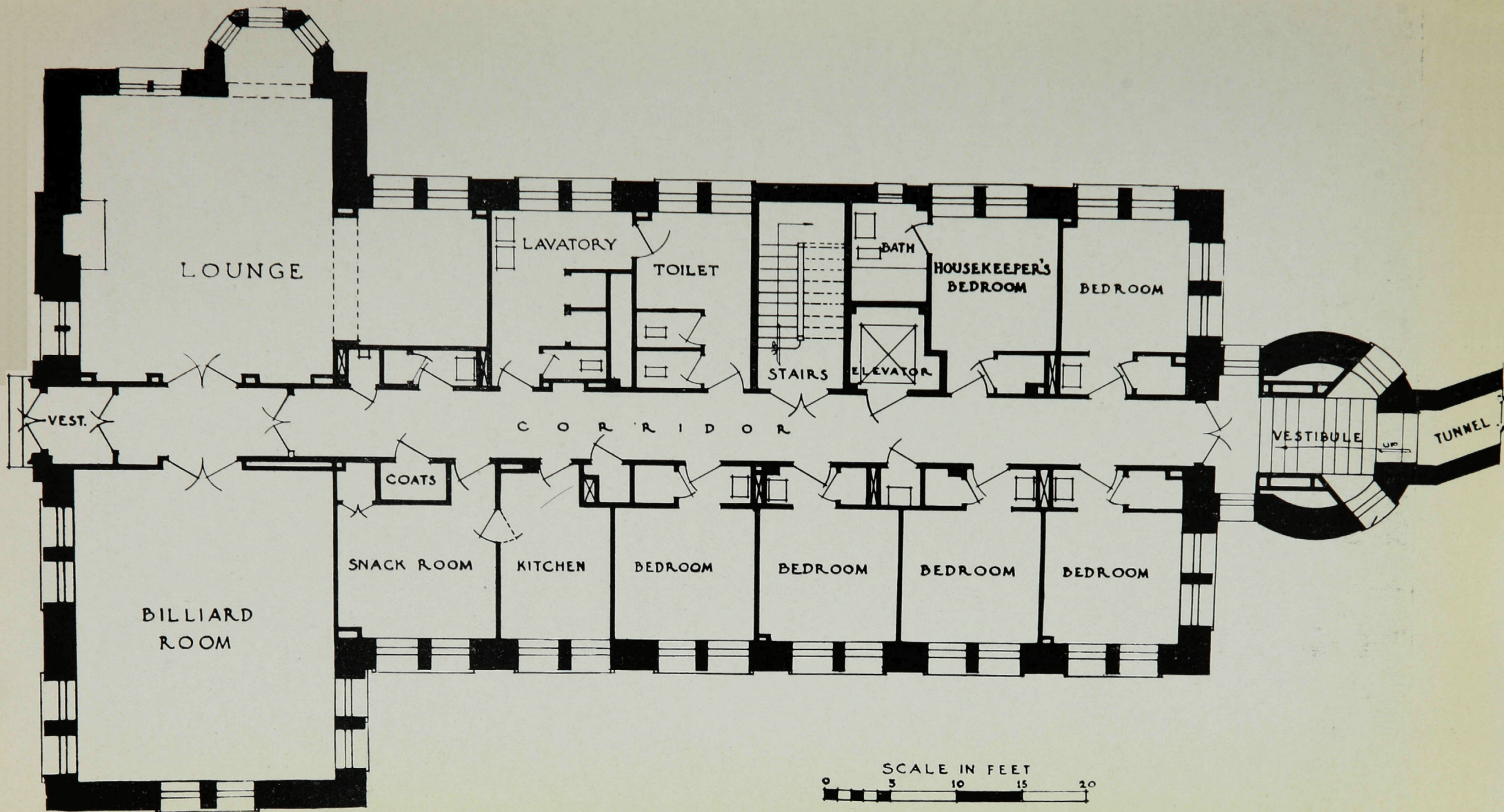
J. SANCHEZ-PEREZ, M.D., FELLOW-JUNTA PARA AMPLIACION  
DE ESTUDIOS, SPAIN

FRANCIS McNAUGHTON, B.A., M.D., C.M.

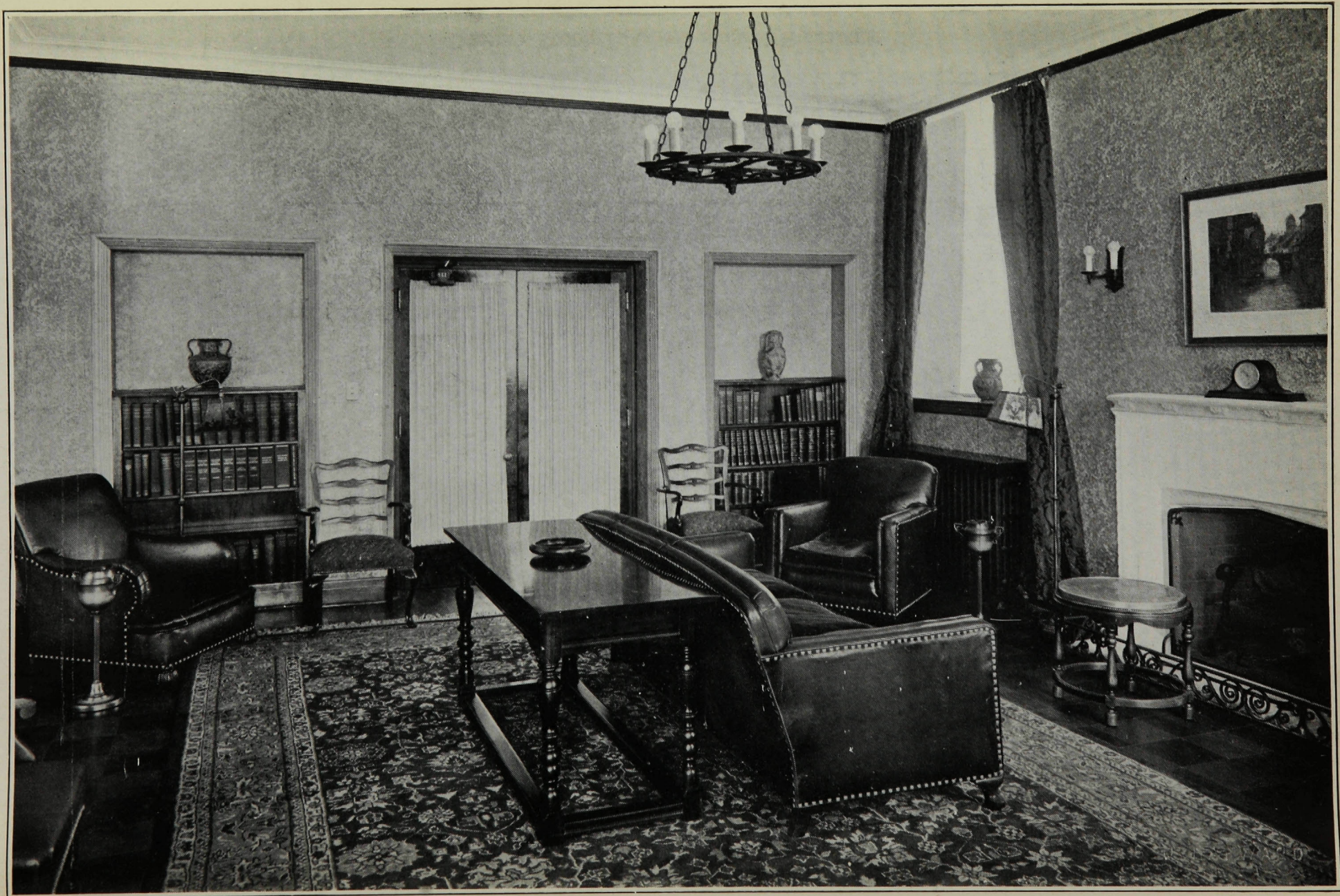




INTERNES' RESIDENCE



GROUND FLOOR PLAN—INTERNES' RESIDENCE



LOUNGE ROOM—INTERNES' RESIDENCE



EXTRACT FROM PROCEEDINGS  
FORTY-FIRST ANNUAL MEETING OF  
THE BOARD OF GOVERNORS

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*Annual Meeting, 21st February, 1935.*

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On motion duly seconded Mr. E. W. Beatty was elected to act as Chairman.

Before reading the President's Address and submitting for adoption the Superintendent's Report covering the year's activities, Mr. Beatty said:—

"I am sure the members of this Board are in accord in expressing a note of regret that Sir Herbert Holt is not with us to-day to preside over this meeting. His sympathetic and unfailing interest in the Hospital's affairs has manifested itself in so many ways, and it gives me great pleasure to announce at this juncture a further gift of \$200,000 recently made by Sir Herbert towards the funds of the Hospital, to be known as the 'Herbert S. Holt Foundation.'

"I would, therefore, move that this Board place on record its deep sense of gratitude to Sir Herbert for this generous gift to the Hospital's activities." (Carried unanimously.)

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PRESIDENT'S ADDRESS

Gentlemen:—

In presenting the Forty-first Annual Report for the year ended 31st December, 1934, may I offer a few brief observations regarding the activities of the Hospital during the year under review.

You have before you the Report of the Superintendent as well as the statements of Income and Expenditure, and Assets and Liabilities, all of which I trust you will find satisfactory, having in mind the exceptional conditions which have prevailed.

The year has been a difficult one, but, true to their tradition of service, hospitals generally have accepted the increased burden of caring for the charity patient.

Receipts from patients are again reduced, principally in revenue from private patients, which shows a decrease of \$11,200 when compared with a year ago. The difficulty, of course, has been to bring operating costs in line with diminishing income and at the same time maintain a proper standard of service. The total receipts were insufficient to absorb the cost of operating, hence the deficit of \$19,252.08, as compared with a loss of \$18,215.99 the previous year.

Endowment funds in trust increased \$35,760.50 which includes a gift of \$12,000 from the Misses Elizabeth and Jean Scott to found a Fellowship in memory of their mother, Mrs. Janet Scott, the revenue to be devoted to the exclusive use of the Department of Obstetrics and Gynæcology in either its clinical or laboratory activities. This generous donation to the Hospital's funds is acknowledged with grateful appreciation.

All securities in the Endowment Funds of the Hospital have been duly confirmed by the Auditor. The management of the investments receives the close attention of your Trustees. The income for the year was equivalent to 4.46% on the total capital invested. None of the bonds held in the investment funds are in default in respect to principal.

Reviewing the financial position as a whole, the Hospital may be considered fortunate in coming through the year as well as it did in spite of adverse circumstances.

Whilst the Hospital plant and equipment have been maintained in first-class condition, the Governors have always to bear in mind expenditures which may become necessary from time to time as a result of the progress that is being constantly made in the medical and surgical fields.

With the opening of the Montreal Neurological Institute in the fall of the year the Hospital was called upon to extend its clinical responsibilities by assuming the management and operation of the hospital unit in the new Institute, comprised of 47 beds. The opening of this Institute offers unsurpassed facilities for teaching and research, whilst providing care for people suffering from diseases associated with the nervous system.

It is with a sense of gratification that this Board has noted the honours conferred during the year upon various members of the professional and nursing staff. Of particular note is the honour conferred upon Miss Mabel F. Hersey, Superintendent of Nurses, who was awarded the Order of the British Empire for conspicuous service in the hospital field on this Continent.

To the Provincial Government, the Civic Authorities, Alderman Seigler, our Solicitors, Messrs. Meredith, Holden, Heward & Holden, the Police and the Press, our sincere thanks are again extended for their valuable assistance and support.

An expression of high appreciation is also accorded to the Professional and Administrative Staff of the Hospital for their loyalty and devotion.

H. S. HOLT,  
*President,*  
*Board of Governors.*



THE ROYAL VICTORIA HOSPITAL  
(MAIN BUILDING)



# SUPERINTENDENT'S REPORT

*For the Year Ended December 31st, 1934.*

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

I have the honour to present for your approval the Forty-first Annual Report of the Royal Victoria Hospital for the year ended December 31st, 1934.

The patients admitted to the Hospital during the year numbered 13,307 as compared with 13,007 a year ago, an increase of 300.

CLASSIFICATION OF INDOOR PATIENTS:		Inc.	Dec.
Private Patients . . . . .	2,908		54
Semi-private Patients . . . . .	1,527	20	
	4,435		
Public Pay Patients . . . . . 4,907		637	
Indigent Patients admitted to wards under the Quebec Public Charities Act . . . . . 3,690			172
Free Patients . . . . . 275			
	8,872		131
	13,307	657	357
		357	
Net Increase . . . . .		300	

RELIGION:		Inc.	Dec.
Protestant . . . . .	6,464	102	
Roman Catholic . . . . .	3,562	148	
Hebrew . . . . .	2,870	69	
Others . . . . .	411		19
	13,307	319	
		19	
		300	

Of the patients admitted to the Hospital 9,478 were resident in the City of Montreal, an increase of 10. Patients admitted from

districts outside of the City of Montreal aggregated 3,829, as compared with 3,539 the previous year, an increase of 290.

The total number of days of hospital treatment aggregated 172,970 days, as compared with 179,284 the previous year, a decrease of 6,314 days.

The average number of days' stay in hospital was 12.9, as against 13.7 a year ago.

Deaths numbered 402, and the rate, excluding those who died within forty-eight hours of admission and "still births" was 2.2%, as compared with 2.4% a year ago. The percentage of post-mortems obtained was 55.5%, as compared with 52% a year ago.

The daily average number of patients was 472 or 69% of occupancy, as compared with 491 or 71% the previous year.

#### OUTDOOR DEPARTMENT

The number of patients' visits to the Outdoor Department aggregated 95,285, a decrease of 4,329.

#### FINANCIAL

The receipts and disbursements for the year may be briefly summarized as follows:—

	1934	1933
Receipts from Private Patients. . . . .	\$267,904.92	\$279,126.53
Receipts from Public Patients. . . . .	153,368.50	148,851.71
Receipts from Government for patients hospitalized under the Quebec Public Charities Act. . . . .	160,560.94	162,599.92
	<u>\$581,834.36</u>	<u>\$590,578.16</u>
Revenue from Other Sources. . . . .	278,639.18	268,098.57
	<u>\$860,473.54</u>	<u>\$858,676.73</u>
Expenditures. . . . .	879,725.62	876,892.72
Deficit. . . . .	<u>\$ 19,252.08</u>	<u>\$ 18,215.99</u>

In reviewing the results for the year as evinced by the foregoing statistics it may be noted:

That the patients admitted to the private service decreased 34, whereas admissions to the public wards increased 334 over the previous year, a net gain of 300.

That notwithstanding the increase of 300 in the number of patients hospitalized, there was a decrease of 6,314 in hospital days, the average number of days' stay per patient being 12.9%, as compared with 13.7% in 1933, a decrease of 5.84%. This low average in occupancy, viz.: 12.9%, is a record, and the more rapid turn-over may be attributed to a more earnest desire on the part of the patients to leave the Institution as soon as possible in order to avoid hospital expense, a closer co-operation between departments, and a high standard of service rendered by the professional staff.

That the indices of changed conditions and financial strain are still in evidence is emphasized by the fact that of the total patients admitted for the year 8,872, or 67%, were hospitalized in the public wards at less than cost.

In the Maternity Department the total number of confinements aggregated 2,462 of which 500 patients were delivered at their homes. The infantile mortality was 4.79% and the maternal mortality was .25%. The low maternal mortality of .25% is of special interest and Dr. J. R. Fraser, the Director, and his staff are to be commended on achieving such outstanding results.

Alluding to the decrease of 4,329 patients' visits to the Outdoor Department, it may be stated that for a long period practically all applicants—medical, surgical or the specialties, were taken. Latterly the acute problem of unemployment resulted in a pressure of numbers, which gave little time for each patient besides adding materially to the Hospital's overhead, for which it received little or no remuneration. It was therefore decided early in the year that in order to ensure better individual attention for the patient and to avoid exploitation of this service by those able to pay, that patients would only be accepted (other than emergencies) in the Outdoor Department when accompanied by a letter or card from a physician or any charitable organization. This action, coupled with the opening of two new general hospitals in the City towards the end of the year, has reduced the quota of patients attending the clinics in our Outdoor.

It will be noted that the financial operations for the year have resulted in a deficit of \$19,252.08, as compared with a loss of \$18,215.99 for the previous year, an increase of \$1,036.09.

An examination of the Statement of Revenue and Expenditure indicates receipts from patients continue to fall, the principal decrease being in income from private patients which is \$11,200 less than a year ago. This result follows closely the downward trend that has been evident for the past three years, and the difficulty has been to adjust hospital costs accordingly consistent with the maintenance of our best standards of amount and quality in the service rendered to the patients. The slight increase of \$2,800 in operating

expenses may be attributed to an increase of \$4,000 in our coal bill due to increased rates and a disbursement of \$4,050 for furnishing our operating theatres with new surgical equipment, including the theatre in the Neurological Institute. The foregoing was partially offset by a reduction of \$2,600 in the cost of meals and a decrease of \$2,800 in improvements to plant and equipment.

The per capita diem cost based on charging against the Indoor patients the full cost of maintenance, excluding the Outdoor Department is as follows:—

Private Patients \$5.74

Public Patients \$4.38

### IMPROVEMENTS

The usual repairs have been made, but in order that the standard of efficiency should not be impaired the Hospital was faced with the necessity of undertaking much needed improvements involving an expenditure of \$26,452.65. The principal items are:

Furnishings, Old Nurses' Home.....	\$2,265.00
Water Softener for Laundry.....	1,413.00
Refrigerator in Medical Laboratories.....	892.00
Repairs to Roads.....	865.00
Utensil Sterilizers, Ross Memorial Pavilion.....	1,000.00
Repairs to Roofs.....	712.00
Installing Dual Control, Outdoor Elevator.....	1,275.00
Radiograph and Therapy Tubes, X-ray Department..	1,450.00
Dental X-ray Unit....	1,188.00
New Transformer and Circuit Breakers, Power-house.	3,646.00
Renovating Surgical Wards.....	3,000.00

### GENERAL REMARKS

Throughout the year the doctors on the staff have worked assiduously, and often at great sacrifice, for the welfare of the patients, and it must be remembered that for the public ward patients this service is rendered without remuneration.

The reports of the Directors in charge of the various clinical departments of the Hospital are appended to this report and are recommended for your consideration.

Surgical operations performed during the year aggregated 7,714—a year ago 7,650.

Last year I referred to the lack of a separate ward for ophthalmic patients. I am glad to report that the Board having approved of the



outlay involved, the necessary alterations are well under way in order that adequate accommodation may be provided for the eye cases.

May I reiterate the plea that I made last year for funds to provide free insulin and donors for blood transfusions. The demands upon the Hospital from the poor people who have no money to pay for these often life-saving measures are constant.

The Board of Governors having been made acquainted with the pressing need to modernize the equipment and improve the facilities of the X-ray Department, estimates of cost are now being prepared, and it is hoped the Board will see its way to sanction the necessary outlay.

The sterilizing equipment in the Main Operating Theatre, which has been in use for many years, is showing the effects of wear. As it is extremely important that this service should not be handicapped by impairment, it will be necessary to purchase new equipment for this Department.

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It is with profound regret that I have to record the loss that the Hospital has suffered in the death of the following members of the Attending Staff during the year:

- Dr. George Church Anderson—Clinical Assistant, Department of Surgery.
- Dr. W. W. Beattie—Assistant Bacteriologist.
- Dr. H. M. Little—Obstetrician and Gynæcologist.
- Dr. John J. Walker—Associate in Medicine.

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During the year the following honours were conferred upon members of our Consulting, Attending and Nursing Staffs:

- Dr. E. W. Archibald—Elected President, American Surgical Association; appointed Chief Surgeon to the Children's Memorial Hospital.
- Miss Caroline V. Barrett, R.N.—Elected President, Association of Registered Nurses, Province of Quebec.
- Dr. H. S. Birkett—Elected President, Mackay Institute.
- Miss Mabel F. Hersey, R.N.—Honoured with the Order of the British Empire.
- Dr. Chas. F. Martin—Honorary Degree of Doctor of Laws by Harvard University.
- Dr. J. C. Meakins—President-Elect of the Canadian Medical Association.

Dr. W. J. McNally—Reappointed Research Fellow in Oto-Laryngology by the American Academy of Ophthalmology and Oto-Laryngology; awarded Degree of Doctor of Science by McGill University.

Dr. C. K. Russel—Elected Vice-President of the International Neurological Congress of London, England, for 1935; also President of the American Neurological Association.

Dr. H. P. Wright—Elected President, Canadian Society for the Study of Diseases of Children.

Dr. C. J. Tidmarsh, Associate in the Department of Medicine, resigned last June to assume an important post at the Lahey Clinic, Boston, Mass.

On the 14th July, in response to an urgent appeal from Dr. A. R. Dafoe, in charge of the Dionne Quintuplets, the Hospital arranged for a supply of mothers' milk to be sent daily to Callander, Ont. This service was maintained daily until the 18th September under the direction of Dr. J. R. Fraser, the Director of our maternity pavilion. The quantity of milk sent aggregated 956 ounces, or nearly 6 gallons. We are indebted to the Canadian Pacific Railway Company and the Elmhurst Dairy for their co-operation in assisting the Hospital to render this service.

The 27th September marked the official opening of the Montreal Neurological Institute, a new centre for neurological and neuro-surgical work under the direction of Dr. Wilder G. Penfield. The Institute, which adjoins the Hospital, is equipped to care for patients suffering from all organic diseases of the nervous system and provides accommodation for 47 patients (32 public, 6 semi-private, 9 private). The hospitalization of the patients is undertaken by the Hospital, thereby ensuring a close co-ordination with the other clinical services.

Since the opening of the Institute there has been a steady demand for beds, a development that would indicate an ever-growing appreciation of the importance and possibilities of this new activity.

On the 29th October, before a notable gathering, the memory of the late Dr. Frank Buller was fittingly honoured, when a bust of the eminent physician by the well-known sculptor, Dr. Tait McKenzie, was unveiled in the Hospital by Mrs. Buller. The bust is a gift from Mrs. Buller and her three children to the Hospital, where Dr. Buller was Ophthalmologist-in-Chief from 1895 to 1905.

In the field of recreation the purple and gold colours of the Hospital have been kept prominently in the foreground, the Hospital's soccer team this year having won five out of eight challenge cups, a very credible performance.

I take great pleasure in acknowledging our gratitude to Lady Meredith and the members of the Auxiliary Board of Governors for their unfailing interest and generosity towards maintaining the Outdoor Maternity Department and its auxiliary services. In this connection I would also like to express our appreciation to Mr. and Mrs. J. W. McConnell for their aid and support each year on the occasion of the Charity Ball, the proceeds of which are donated to this maternity service.

Our grateful thanks are extended to Sir Herbert Holt for his generous gift of \$200,000 to the Hospital's funds, to be known as the "Herbert S. Holt Foundation"; to Mr. and Mrs. A. A. Hodgson for the gift of an X-ray Cystoscopic Table for the Ross Memorial Pavilion; also to the many friends of the Hospital who have so materially aided us during the year with generous contributions of material things and of their time.

To the Junior League our sincere appreciation is again tendered for rendering voluntary aid, as well as conducting the Canteen in the Outdoor Department, the proceeds from which are entirely devoted to our social service activities.

To the Attending Staff, the Nurses, and other members of the Hospital Personnel, I express my appreciation for their faithful and willing co-operation.

My personal thanks are also tendered to the President and the Governors for their support and attention to the interests of the Hospital.

Respectfully submitted,

W. R. CHENOWETH,  
*Superintendent.*

## CLASSIFICATION OF PATIENTS ACCORDING TO SERVICE

*Indoor Department*

	Pub- lic	Semi- Pri- vate	Semi- Pri- vate	Total	Inc.	Dec.
Medicine.....	1,756	234	815	2,805	121	
Surgery.....	2,757	382	730	3,869		45
Obstetrics.....	1,367	358	454	2,179		21
Gynæcology.....	709	236	234	1,190		61
Urology.....	580	20	289	889		17
Oto-Laryngology.....	1,226	139	379	1,744	121	
Ophthalmology.....	305	45	60	410	10	
Convalescent Home.	6			6		23
Neurology and Neuro- surgery.....	145	24	46	215	215	
	<u>8,851</u>	<u>1,438</u>	<u>3,018</u>	<u>13,307</u>	<u>467</u>	<u>167</u>
					<u>167</u>	
					Increase.....	300

*Outdoor Department*

		Inc.	Dec.
Medicine.....	23,231		2,512
Surgery.....	13,612	842	
Neurosurgery.....	738	32	
Urology.....	16,403		2,284
Oto-Laryngology.....	6,557		741
Ophthalmology.....	5,494		1,049
Pædiatrics.....	5,914		4
Obstetrics..	5,098	773	
Gynæcology.....	4,753	1,141	
Neurology.....	4,692		72
Orthopædics.....	3,878		188
Dermatology.....	3,779		564
Psychiatry.....	1,100	445	
Pneumo-thorax.....	Nil		85
Rabies, Serum Injection.....	Nil		43
Bronchoscopic.....	36		20
	<u>95,285</u>	<u>3,233</u>	<u>7,562</u>
			<u>3,233</u>
		Decrease.....	4,329

*Auxiliary Departments*

Physiotherapy.....	9,288		692
Massage.....	2,717	397	397
		Decrease.....	295

*X-ray Department*

		Inc.	Dec.
Skiagraphs . . . . .	31,391	745	
X-ray Treatments . . . . .	3,758	21	
		766	
	Increase . .		

*Workmen's Compensation*

Number of Patients treated:

Indoor . . . . .	186	16
Outdoor . . . . .	214	114
		130
	Increase . .	

*Ambulance Service*

The ambulances made 2,042 trips during the year, a decrease of 282.

*District Maternity and Out-Settlement Service*

The Plymouth car, which is used for the purpose of visiting the District Maternity Cases and to take workers to and from the Settlement Clinics, made 7,939 trips, a decrease of 1,522. The total mileage of the Plymouth car for the year was 27,896 as compared with 30,728 last year, a decrease of 2,832 miles.

In addition to this the ambulance was called into service for the Outside Maternity cases. The total mileage was 3,344 miles, and when added to the mileage of the Plymouth car makes a total of 31,240 miles, a decrease of 3,276 miles.

*Settlement Clinics (Maternity)*

		Inc.	Dec.
Home Visits by Nurses . . . . .	7,338		1,073
Confinements at Home . . . . .	500		150
Patients' visits to Settlement Clinics . . . . .	4,852		401





CITY OF MONTREAL FROM MOUNTAIN—ROYAL VICTORIA HOSPITAL BUILDINGS IN FOREGROUND





# **FINANCIAL STATEMENTS**

# ROYAL VICTORIA HOSPITAL—INCLUDING ROSS MEMORIAL AND WOMEN'S PAVILION

## STATEMENT OF REVENUE AND EXPENDITURE

For Year Ended 31st December, 1934

32

EXPENDITURE			REVENUE		
EXPENSES FOR CARE OF INDOOR PATIENTS			INCOME FROM ROOMS AND WARDS		
	1934	1933		1934	1933
Professional Care.....	\$170,114.19	\$174,163.38	Private Patients.....	\$267,904.92	\$279,126.53
Domestic Care... ..	88,782.27	88,774.99	Public Patients.....	146,835.15	142,806.51
Cost of Meals.....	195,958.11	198,620.09	Patients admitted under Que- bec Public Charities Act... ..	160,560.94	162,599.92
Property and House Expense.	143,357.73	140,134.43	Military Patients.... .	6,533.35	6,045.20
Administration and General Expense:				<hr/>	<hr/>
Salaries and Wages.....	58,760.93	55,595.07		\$581,834.36	\$590,578.16
Telephones, Telegrams and Postage.....	8,572.18	8,036.76	Income from Endowments... ..	\$108,132.48	\$109,256.15
Stationery and Printing....	7,302.93	7,289.28	Donations and Sundry Income	19,180.21	9,398.20
Taxes and Insurance.....	10,923.89	10,258.25	Auxiliary Board of Governors	5,204.00	5,144.00
General Expense.....	13,669.32	12,325.61		<hr/>	<hr/>
Improvements to Plant and New Equipment.....	26,452.65	30,227.74		\$132,516.69	\$123,798.35
	<hr/>	<hr/>		<hr/>	<hr/>
	\$723,894.20	\$725,425.60		<hr/>	<hr/>
	<hr/>	<hr/>		<hr/>	<hr/>
DEPARTMENTAL EXPENSES			DEPARTMENTAL INCOME		
Outdoor Department.....	\$26,997.18	\$26,884.59	Outdoor Department.....	\$15,767.56	\$19,385.99
Operating Rooms.....	55,845.58	51,851.12	Operating Rooms.....	52,699.06	50,111.35
Ambulance... ..	8,187.80	7,978.19	Ambulance.....	6,694.75	7,178.75
Other Departments.....	46,635.71	46,683.98	Other Departments.....	60,263.67	58,129.74
Hydro Department.....	11,599.15	11,530.09	Hydro Department.....	10,697.45	9,494.39
Social Service.....	6,566.00	6,539.15		<hr/>	<hr/>
	<hr/>	<hr/>		\$146,122.49	\$144,300.22
	\$155,831.42	\$151,467.12		<hr/>	<hr/>
	<hr/>	<hr/>	Total Revenue.....	\$860,473.54	\$858,676.73
	<hr/>	<hr/>	Deficit.....	19,252.08	18,215.99
	<hr/>	<hr/>		<hr/>	<hr/>
Total Expenditures.....	<u>\$879,725.62</u>	<u>\$876,892.72</u>		<u>\$879,725.62</u>	<u>\$876,892.72</u>

# ROYAL VICTORIA HOSPITAL

## BALANCE SHEET as at 31st December, 1934

33

ASSETS			LIABILITIES		
	1934	1933		1934	1933
Buildings and Equipment . . . . .	\$3,953,965.31	\$3,963,965.31	Capital Accounts . . . . .	\$3,959,869.97	\$3,978,085.96
Inventory of Supplies . . . . .	37,463.53	41,927.39	<b>Less:</b>		
Amounts Due and Outstanding . . . . .	63,887.81	127,797.72	Excess of Expenditure over Revenue for Year Ended 31st December, 1934 . . . . .	19,252.08	18,215.99
Cash on Hand and in Bank . . . . .	49,294.92	8,323.60		<u>19,252.08</u>	<u>18,215.99</u>
				\$3,940,617.89	\$3,959,869.97
			Accounts Payable . . . . .	139,938.49	133,088.86
			Overdraft in connection with Building of Nurses' Home . . . . .	24,055.19	49,055.19
				<u>24,055.19</u>	<u>49,055.19</u>
	<u>\$4,104,611.57</u>	<u>\$4,142,014.02</u>		<u>\$4,104,611.57</u>	<u>\$4,142,014.02</u>

# ROYAL VICTORIA MONTREAL MATERNITY PAVILION

## BALANCE SHEET as at 31st December, 1934

ASSETS			LIABILITIES		
	1934	1933		1934	1933
34	Building Construction, Equip- ment and Furnishings.....	\$1,681,298.47	\$1,681,298.47	Capital Funds:—	
				Montreal Maternity Fund. \$	331,598.47 \$ 331,598.47
				Province of Quebec Grant .	200,000.00 200,000.00
				Gifts, Donations (Including contribution by the Misses Scott)...	161,670.00 149,700.00
	Investments held against Con- tribution to the Endowment Fund by the Misses Scott..	11,970.00		Campaign Fund 1927.....	1,000,000.00 1,000,000.00
		\$1,693,268.47	\$1,681,298.47		\$1,693,268.47 \$1,681,298.47

**COMBINED BALANCE SHEET**  
**ROYAL VICTORIA HOSPITAL—INCLUDING WOMEN'S PAVILION AND TRUST FUNDS**  
**as as 31st December, 1934**

	ASSETS		LIABILITIES	
	1934	1933	1934	1933
Buildings and Equipment:			Capital Accounts:	
Royal Victoria Hospital...	\$3,953,965.31	\$3,963,965.31	Royal Victoria Hospital...	\$3,940,617.89
Women's Pavilion.....	1,681,298.47	1,681,298.47	Women's Pavilion. ....	1,693,268.47
	\$5,635,263.78	\$5,645,263.78		\$5,633,886.36
Inventory of Supplies.....	37,463.53	41,927.39	Accounts Payable:	
Accounts Due and Outstand- ing.....	63,887.81	127,797.72	Royal Victoria Hospital...	139,938.49
Cash on Hand and in Bank:			Overdraft in connection with Building of Nurses' Home..	24,055.19
Royal Victoria Hospital..	49,294.92	8,323.60		49,055.19
	\$5,785,910.04	\$5,823,312.49		\$5,797,880.04
Investments held by Trustees of the Royal Victoria Hos- pital.....	2,571,379.46	\$2,547,588.96	Royal Victoria Hospital Trust Funds.....	2,571,379.46
Investments held against con- tribution to the Endow- ment Fund of the Women's Pavilion by the Misses Scott.....	11,970.00			2,547,588.96
	\$8,369,259.50	\$8,370,901.45		\$8,369,259.50
				\$8,370,901.45



# AUDITOR'S REPORT

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*For the Year Ended December 31st, 1934.*

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To the PRESIDENT AND BOARD OF GOVERNORS,  
ROYAL VICTORIA HOSPITAL.

Dear Sirs:—

I beg to report that I have completed my Audit of the Accounts for the year ended December 31st, 1934, and hereto attach:

1. Balance Sheet of the Royal Victoria Hospital, including New Pavilion and Trust Accounts, as at December 31st, 1934.
2. Statement of Revenue and Expenditure of the Royal Victoria Hospital, including Ross Memorial and New Pavilion, for the year ended December 31st, 1934.

I have compared the Revenue from Investments held by the Trustees with the advices from the Royal Trust Company and other Depositaries.

I have checked the receipts under the other headings from the daily cash sheets to the General Cash Book and have seen that such receipts have been duly deposited in the Book.

I have seen properly certified vouchers for all disbursements.

In my opinion the accompanying Statement of Revenue and Expenditure is a true and correct exhibit of the operations of the Royal Victoria Hospital, including the Ross Memorial and New Pavilion, for the period mentioned, and the accompanying Balance Sheet a true and correct exhibit of the financial condition as at December 31st, 1934.

Yours faithfully,

LEWIS BRIMACOMBE,  
*Auditor.*

# ROYAL VICTORIA HOSPITAL

## STATISTICS

	<b>1934</b>	<b>1933</b>
Number of Beds in the Hospital.....	735	688
Number of Babies' Cribs (Maternity Section).....	110	110
Number of patients admitted during year.....	13,307	13,007
Total number of days of Hospital treatment.....	172,970	179,284
Average number of days' stay in Hospital per patient	12.9	13.7
Deaths.....	402	408
Mortality per cent. (excluding those who died within forty-eight hours of admission).....	2.2%	2.4%
Beds occupied per cent. (excluding babies' cribs)...	69%	71%
Total number of staff nurses, pupil nurses, affiliates and graduates working in Hospital.....	325	314
Nurses per patient bed. ....	.44	.45
Total number of employees (excluding nurses).....	511	495
Employees per patient bed (excluding nurses).....	.69	.72
Total pay roll for year, all employees (including nurses).....	\$489,617.54	\$492,538.79
Total pay roll for year, nurses.....	\$80,382.99	\$81,664.14
Total pay roll per patient bed.....	\$667.00	\$730.00
Maximum number of patients in Hospital, April 26th, 1934 (including babies born in Hospital)....	619	631
Minimum number of patients in Hospital, December 26th, 1934 (including babies born in Hospital)...	414	440
Maximum number of patients, April 26th, 1934 (ex- cluding babies born in Hospital)....	534	552
Minimum number of patients, December 26th, 1934 (excluding babies born in Hospital)....	339	379
 Industrial cases treated:		
Indoor.....	186	162
Outdoor.....	214	100
 Ambulance:		
Number of trips . . . . .	2,042	2,324
Average number of trips per day.....	5.5	6.3
Maximum number of trips in twenty-four hours.	14	15
Total mileage for year.....	20,909	22,409
 Operating Cost per diem (excluding Outdoor patients):		
Private Patients.....	5.74	5.68
Public Patients.....	4.38	4.14
Number of patients treated in Outdoor Department.	95,285	99,614
Average number of days' stay of patients hospitalized under the Quebec Public Charities Act.. . . . .	20.49	



STATISTICS—Continued

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**CONDITION OF PATIENTS UPON DISCHARGE, 1934**

	Cured	Improved	Not Improved	Inves- tigation	Died
Gynæcology .....	554	459	9	145	9
Medicine .....	326	1360	324	620	189
Neurosurgery .....	10	94	28	38	15
Obstetrics .....	1987	189	0	0	5
Ophthalmology .....	218	130	51	8	0
Oto-laryngology .....	1476	192	35	37	7
Surgery.....	1448	1749	237	331	136
Urology. ....	194	573	70	12	34
	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 0;"/>	<hr style="width: 50%; margin-left: 0;"/>
	6213	4746	754	1191	395
Cured.....					6213
Improved.....					4746
Not improved.....					754
Investigation.....					1191
Died.....					395
					<hr style="width: 50%; margin-left: 0;"/>
					13299

# REPORT OF THE AUXILIARY BOARD OF GOVERNORS

*Honorary President*

Her Excellency The COUNTESS OF BESSBOROUGH

## BOARD OF MANAGEMENT :

<i>President</i> . . . . .	Lady Meredith
<i>Vice-Presidents</i> . . . . .	{ Lady Holt Mrs. Walter Stewart
<i>First Directress</i> . . . . .	Mrs. H. C. MacDougall
<i>Second Directress</i> . . . . .	Mrs. F. C. Dobell
<i>Third Directress</i> . . . . .	Mrs. A. F. Culver
<i>Clothing Committee</i> . . . . .	Mrs. A. S. Dawes
<i>Hon. Treasurer</i> . . . . .	Mrs. E. R. W. Hebden
<i>Asst. Hon. Treasurer</i> . . . . .	Mrs. D. S. McMaster
<i>Hon. Secretary</i> . . . . .	Miss Mona Prentice
<i>Asst. Hon. Secretary</i> . . . . .	Mrs. T. B. Heney

Mrs. R. E. Aikman	Mrs. L. M. Lindsay
Mrs. S. T. Blaiklock	Mrs. W. K. G. Lyman
Lady Brunton	Mrs. W. D. McLennan
Mrs. G. R. Caverhill	Mrs. E. A. Mackenzie
Mrs. A. S. Dawes	Mrs. E. A. Millar
Mrs. F. C. Dobell	Mrs. T. H. P. Molson
Mrs. S. H. Dobell	Mrs. W. W. Ogilvie
Mrs. J. R. Fraser	Mrs. Hubert Pasmore
Hon. Mrs. B. M. Hallward	Mrs. F. R. Peverley
Mrs. W. R. G. Holt	Mrs. A. T. Paterson
Hon. Mrs. A. K.-Hugessen	Mrs. T. T. McG. Stoker
Mrs. Abner Kingman	Mrs. D. A. Wanklyn
Mrs. S. B. White	

*To the* GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

I have the honour to submit the Eighth Annual Report of the Auxiliary Board of Governors of the Royal Victoria Montreal Maternity Hospital for the year ending January 1, 1935.

The Charity Ball was held on February 8, 1934, and was a great success, Their Excellencies the Governor-General and Lady Bessborough again honouring us with their presence. The net sum of \$5,365 was realized on the sale of 950 tickets, making, with additional donations of \$388, a total of \$5,754. As, with the exception of governors' fees and a small return from investments (like all such returns considerably smaller than a few years ago), the money which we make at the Ball is our principal source of revenue, it is a matter of great satisfaction to us that we have been able to sell an increasing number of tickets during the past four years. In 1932, we reduced the price of tickets from \$10.00 to \$7.50, and consequently in spite of the extra efforts made to sell more tickets, our returns are smaller than in pre-depression years (in 1931 the net profit was approximately \$6,942), while the irreducible demands on our funds have been steadily mounting. This is a matter which your committee feel should be seriously considered next year.

The continued success of this Ball, which alone makes it possible to carry on our work, is in great measure due to Mr. J. W. McConnell, the Chairman of our Ball Committee, whose interest and enthusiasm and unflagging energy are an inspiration to us all. Your committee feel that it is impossible to express adequately the extent of our gratitude to him.

We are also very deeply indebted to Mr. Vernon G. Cardy of the Mount Royal Hotel for the sympathetic co-operation which he and the management gave us in the matter of the price of the supper; and also to Mr. Dornberger and to Mr. Charles and the Staff of the Mount Royal Hotel for their services.

Our thanks are also due to Lady Meredith and Mr. Walter Stewart for their very generous donations, and to Mr. H. C. MacDougall, the Chairman of the Floor Committee, for his efficient handling of the arrangements.

To all those who contribute through the Charity Ball to our work, we can only express our thanks in the hope that they will derive some satisfaction in the knowledge that these services can be carried on for another year.

Your committee has continued to finance the Social Service Department of this Hospital, paying the salaries of two Social Service Workers, the Settlement Nurse, a part-time clerical worker and being responsible for the rental and furnishing of four outdoor clinics.

The work of the Social Service Department continues to be very heavy. The new policy, instituted in March last, of limited bookings, which has been necessitated by increasingly heavy deficits, has somewhat relieved the pressure on the workers who, however, still

have many adverse conditions and difficulties to face but continue to give loyal service and carry on uncomplainingly.

This policy of limited bookings does not mean that any mother in Montreal need be deprived of adequate prenatal and confinement care, as no woman is ever turned away until complete arrangements have been made through the Social Service Department in co-operation with other agencies, for her care before, during and after childbirth. In this connection, we are working in close co-operation with the various hospitals and nursing services.

The members of the committee have continued to drive the Social Service Workers four mornings a week, except in summer, when a driver was engaged at a salary of \$50 a month.

During the past year patients whose condition required it were given blood transfusions at a cost of \$397. We are deeply grateful to Toc H, who, whenever possible, have supplied donors free of charge, thus relieving the financial burden on our funds. We feel that many valuable lives have been saved in this way.

A fund is also maintained to provide special nurses to patients who are dangerously ill and unable to pay for individual care. \$145.00 has been spent during the year in this way.

A wet nurse was engaged when necessary at a total cost of \$137.50.

An Emergency Cash Fund is given to Miss Matthews to administer. \$200.00 has been spent by her, mainly for coal, milk and light, for new patients who are in need, and also for car tickets and taxis for patients attending the clinics.

Mrs. H. C. MacDougall's committee have visited the Hospital from time to time during the year and at Christmas every patient and baby on our books received a useful present.

Books, periodicals and medical journals have been supplied for the use of the doctors and nurses, but in continuation of the policy which we have followed for the last four years nothing has been spent on improvements to the wards or living quarters in the Hospital.

Thirty-five Christmas dinners were supplied to patients on our books. Each family was given a dinner, including a turkey, and presents of a toy and woollen garment for each child. Mrs. White, assisted by Mrs. Caverhill and Mrs. Hebden, took charge of the buying and distribution of these dinners, and Mrs. Stewart very kindly lent her garage in which to sort and pack them.

The Clothing Committee, under the direction of Mrs. F. C. Dobell, has met weekly to cut out and prepare baby clothing for the

Hospital. During the past year 276 dozen garments have been cut out for layettes and use in the Hospital nurseries. A few of these garments have been sold at cost price to patients who wished to sew their own baby clothes and could afford to pay for them. In this way we realized \$71.96.

150 layettes were given to the Social Service Department for distribution, 45 sets of woollen garments were knitted by the members of this committee, and many other patients were supplied with baby clothes.

In addition, over 10 dozen women's nightgowns were given to women on the Outside Service who lacked anything for their confinement. Of these 3 dozen were cut out from 2 bolts of flannelette purchased by the Committee and the remainder were donated by the American Women's Club and the Fred Fisher and the Major Gordon Southam Chapters of the I.O.D.E.

The following have assisted in making up layettes and to them we are deeply grateful:

I. H. N. Society.  
 The Junior League.  
 Mu Sigma Kappa.  
 American Women's Club.

and the following Chapters of the I.O.D.E.:—

E. B. Savage.  
 Wolfe and Montcalm.  
 Earl of Bessborough.  
 Robert Louis Stevenson.  
 Queen Boadicea.  
 Queen Elizabeth of Belgium.  
 Duke of Gloucester.  
 Lord Dorchester.

During the past year, under the direction of Mrs. Culver, 1178 cups of cocoa have been served by members of the Committee to women attending the prenatal clinics at the settlement stations.

The Clothing Committee, under Mrs. S. Dawes, have collected and distributed 1,224 articles of old clothing during the year.

It is with deep regret that we have to record the death of three of our Life Governors—Mrs. George Caverhill, Mrs. Horace Joseph and Mrs. A. E. Ogilvie.

During the year one new member, Mrs. T. H. F. Molson, was elected to our Board and to her we extend a most cordial welcome.

Special thanks are due to Lady Holt, who each year has given a very generous donation to the Lady Holt Ward.

The Committee wish to thank the following for their generous donations:—

Mrs. A. Allan.	Mrs. Hastings.
Mrs. G. F. Benson.	Lady Meredith.
Mr. and Mrs. Walter Stewart.	Lady Holt.
Mrs. W. W. Chipman.	Mrs. P. F. Mathias.
Miss C. Field.	The Child Welfare Association.
Misses Gillespie.	The Needlework Guild.
Mrs. Louise Grier.	Miss K. M. Williams.

This Committee desire to express their deep regret at the great loss this Hospital has sustained in the sudden death of Dr. H. M. Little, who was for many years an outstanding member of the Medical Board.

To Mr. W. R. Chenoweth, to Miss Barrett and her Staff and to the Staff of the Social Service Department, the Committee owe their grateful thanks and would like to express appreciation of their help and co-operation in every phase of the work.

Respectfully submitted,  
MARGARET KNATCHBULL-HUGESSON,  
*Hon. Secretary.*

# AUXILIARY BOARD OF GOVERNORS

## ANNUAL FEES 1934

	AMOUNT		AMOUNT
ADAIR, MRS. ROBERT.....	\$10.00	KINGMAN, MRS. ABNER. . .	\$110.00
AIKMAN, MRS. R. E.....	10.00	LABATT, MRS. T.....	10.00
ALLAN, SIR MONTAGU.....	10.00	LINDSAY, MRS. LIONEL.....	10.00
ALLAN, LADY. ....	10.00	LUCAS, MRS. A. ....	10.00
ATHOLSTAN, LORD.....	10.00	LAW, MRS. ALAN G....	10.00
ATHOLSTAN, LADY.....	10.00	LYMAN, MRS. W. K. G.....	10.00
BALLANTYNE, SENATOR C. C..	10.00	MACKENZIE, MRS. E. A.....	10.00
BEATTY, E. W.....	10.00	MACPHAIL, SIR ANDREW.....	10.00
BIRKETT, H. S.....	10.00	MARTIN, MRS. C. F.....	10.00
BLAIKLOCK, MRS. S. T.....	10.00	MATHIAS, MRS. P. F....	10.00
BUCHANAN, MRS. A. W. P....	10.00	McCONNELL, J. W.....	10.00
BURLAND, MRS. J. H.....	10.00	McCONNELL, MRS. J. W.....	10.00
BRUNTON, LADY.....	10.00	McDOUGALL, PURVIS.....	10.00
CAINS, G. L.....	10.00	McLENNAN, MRS. D.....	10.00
CAMPBELL, MRS. D. W.....	10.00	McLENNAN, MISS I.....	10.00
CAVERHILL, MRS. G.....	10.00	MEREDITH, LADY... ..	10.00
CAVERHILL, MRS. G. R.....	10.00	McMASTER, MRS. D. S.....	10.00
CHIPMAN, MRS. W. W.....	10.00	MACDOUGALL, MRS. H. C....	10.00
COWANS, P. P. ....	10.00	MILLAR, MRS. E. A. ....	10.00
COWANS, MRS. P. P.....	10.00	MOLSON, LT.-COL. HERBERT..	10.00
COOK, MRS. G. W.....	10.00	MOLSON, MRS. HERBERT.....	10.00
CAMERON, MRS. J. C.....	10.00	MOLSON, MRS. WALTER.....	10.00
CULVER, MRS. A. F.....	10.00	MOLSON, MRS. T. H. P. ....	100.00
DAWES, MRS. N. J.....	10.00	MACLEAN, COL. C. W.....	10.00
DAWES, MRS. A. S.....	10.00	MEREDITH, F. E.....	10.00
DOBELL, MRS. S. H.....	10.00	MERRETT, T. E.....	10.00
DOUGLAS, MISS E.....	10.00	MORRICE, W. J.....	10.00
DUGGAN, G. H.....	10.00	MURCHIE, MRS. GUY... ..	10.00
DUGGAN, MRS. G. H.....	10.00	NORRIS, MRS. J. S.....	10.00
DURNFORD, MRS. A. D.....	10.00	OGILVIE, MRS. A. E.....	10.00
DRUMMOND, LADY.....	10.00	OGILVIE, MRS. G. L.....	10.00
DOBELL, MRS. C.....	10.00	OGILVIE, MRS. W. W.....	110.00
EVANS, A. B. ....	10.00	PATERSON, MRS. A. T....	10.00
FRASER, MRS. J. R.....	10.00	PATON, HUGH....	10.00
GILLESPIE, MISS.....	10.00	PIERCE, MRS. A. ....	10.00
GILLESPIE, MISS M.....	10.00	PRENTICE, MISS MONA.....	10.00
GILLESPIE, T. S.....	10.00	PANGMAN, MRS. J. J. M. ....	10.00
GORDON, SIR CHARLES. ....	10.00	PEVERLEY, MRS. F. R....	10.00
GORDON, LADY.....	10.00	PASMORE, MRS. H... ..	10.00
HALLWARD, HON. MRS.....	10.00	RUTHERFORD, MRS. H. L.....	10.00
HANSON, EDWIN.....	10.00	STEWART, WALTER M....	10.00
HODGSON, MRS. T. E.....	10.00	STEWART, MRS. WALTER M..	10.00
HODGSON, C. A. ....	10.00	STEWART, T. HOWARD.....	100.00
HOLT, SIR HERBERT.....	10.00	STEWART, MRS. T. HOWARD..	10.00
HOLT, LADY.....	10.00	STOKER, MRS. T. T. MCG. ...	10.00
HOLT, MRS. W. R. G.....	10.00	THOMPSON, MRS. F. W.....	10.00
HUGESSEN, HON. MRS. A. K.-	10.00	WANKLYN, MRS. DAVID.....	10.00
HEBDEN, MRS. E. R. W. ....	10.00	WANKLYN, MRS. F. L.....	10.00
HOUGH, COL. H.....	10.00	WEBSTER, SENATOR L. C.....	10.00
HENEY, MRS. T.....	10.00	WHITE, SENATOR SMEATON... .	10.00
JOSEPH, HENRY... ..	10.00	WHITE, MRS. S. B.....	10.00
JOSEPH, MRS. HENRY.....	10.00		
JOSEPH, MRS. HORACE.....	10.00		

**AUXILIARY BOARD OF GOVERNORS  
ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL**

**STATEMENT OF REVENUE AND EXPENDITURE**

**For the Year Ended December 31st, 1934**

**ORDINARY REVENUE:**

Annual Dues.....	\$1,120.00	
Governors' Election Fees.....	300.00	
Donations.....	362.01	
Net Proceeds of 1934 Charity Ball, as per attached Statement. ....	5,365.41	
Sale of Clothing. ....	70.38	
		<b>\$7,217.80</b>

**ORDINARY EXPENDITURE:**

**CLINIC EXPENSES:**

<b>Salaries—</b>		
Settlement Nurse.....	\$1,460.00	
Clinic Assistant.....	480.00	
Driver... ..	150.00	
Secretary.... .	480.00	
		<b>\$2,570.00</b>
Rentals.....	516.00	
Canteen Supplies.....	15.86	
		<b>\$3,101.86</b>

**SOCIAL SERVICE DEPARTMENT EXPENSES:**

Salaries of Social Service Workers. . . .	\$2,784.00	
Sundry Expenses for Emergency Cases. . . .	200.00	
		<b>2,984.00</b>

**OTHER EXPENSES:**

Blood Transfusions.....	\$397.00	
Medical Books and Journals. ....	39.75	
Stationery and Printing.....	11.13	
Materials for Layettees.....	483.29	
Salary for Wet Nurse... ..	137.50	
Special Nurses' Fund.....	145.00	
Night-gowns. ....	23.25	
Christmas Presents.....	25.00	
Annual Tea.....	21.35	
		<b>1,283.27</b>

<b>EXCESS OF ORDINARY EXPENDITURE OVER ORDINARY REVENUE—</b>		
<b>FOR THE YEAR.....</b>		<b>7,369.13</b>

**ADD—**

**SPECIAL REVENUE:**

Bond Interest and Dividends, as per Schedule....	\$158.00	
Bank Interest.....	96.04	
		<b>\$254.04</b>

**LESS—**

Bank Charge for Safekeeping of Securities... . . .	2.50	
		<b>251.54</b>

<b>NET REVENUE—FOR THE YEAR.....</b>		<b>\$100.21</b>
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NURSES' HOME—ROYAL VICTORIA HOSPITAL

# REPORT OF THE SCHOOL OF NURSING

*For the Year Ended December 31st, 1934.*

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

I herewith submit the forty-first Annual Report of the School of Nursing, Royal Victoria Hospital, for the year ending December 31st, 1934.

At the graduation exercises held in the Nurses' Home on May 8th, forty-five students were given diplomas and pins, at which time Dr. W. F. Hamilton addressed the class, and Lady Holt presented the diplomas and pins. Dr. W. W. Chipman was in the chair. This brings the number of graduates from this Hospital up to 1,312.

Five hundred and eighty-seven Calendars were sent out. One hundred and four students admitted and sixty-four of these accepted.

*Census of the School, December 31st, 1934:*

Graduate Nurses.....	74
Student Nurses.....	177
Affiliated Nurses.....	26
General Duty Nurses.....	17
Post Graduates.....	31
	<hr/>
	325

Fifty graduates passed the examinations for Provincial registration.

Forty-six nurses completed the course in communicable diseases at the Alexandra Hospital, and twenty in Pædiatrics at the Children's Memorial Hospital.

Two hundred and seventy-three student nurses and sixty-nine post-graduates completed a three months' course in Obstetrics and Gynæcology in the Women's Pavilion.

Four thousand and fifty-seven special nurses were called during the year, with nursing days twenty-six thousand one hundred and ninety-nine.

During the year twenty-seven recent graduates returned for post-graduate work of four months each in special services; of this

number sixteen received appointments to staff positions either within this Hospital or outside.

We have had very few changes on the Staff. Three charge nurses left to be married. Three new appointments have been made. Miss Nora Nagle, a graduate of this School, Class of 1916, returned to take charge of the Teaching Department. She has had valuable experience in School of Nursing administration and teaching, with additional experience of University work and teaching.

Miss Eileen Flanagan, in charge of the nursing of the Neurological Institute, is especially well prepared with previous experience in this Hospital, a year's graduate study in the Hospitals of England, and a further year at McGill University. Miss Helen Eberle, who has been doing Neuro-Surgical nursing for the past three years, is assistant to Miss Flanagan.

Five nurses are taking the post-graduate course in the School for Graduate Nurses.

Grace Vanderwater. . . . .	1933
Hazel Macdonald. . . . .	1927
Kathleen Dickson. . . . .	1931
Anna Simpson. . . . .	1934
Kathleen Donnelly. . . . .	1934

Four are taking public health and one the teaching course.

A Florence Nightingale International Foundation has been established in London, England, by the International Council of Nurses and the League of Red Cross Societies. The objects of the Foundation are "To establish and maintain a permanent International Memorial to Florence Nightingale, in the form of an endowed trust for post-graduate nursing education; and the maintenance and development of facilities for post-graduate education for selected nurses from all countries."

This year two Canadian nurses are taking this course, one from Vancouver General Hospital (Miss Smith) and Miss Christine Murray from this School, Class of 1924, who was granted the Florence Nightingale Scholarship for one year's work in Bedford College. This Scholarship was presented to Canada by the Florence Nightingale School of Nursing, St. Thomas' Hospital, London, on the occasion of the Silver Jubilee of the Canadian Nurses Association in June, and Miss Murray was the fortunate applicant to whom it was awarded.

An important event during this year was the opening of the Neurological Institute on September 27th. The first month presented many nursing problems which I think have been satisfactorily

solved. The nursing experience of the Institute is very valuable to the School of Nursing, first because it presents for nursing care a type of patient which has been in the general hospital only in limited numbers, and second because the nursing personnel is sufficient to give the nurses adequate time for the nursing technique required for these patients. A very high quality of nursing is demanded and the value and effectiveness depends on continuous and accurate observation which is just as accurately and fully recorded.

Three Schools discontinued affiliation for obstetrics, two were closed as training schools and continued as affiliated schools. The third, St. Mary's Hospital, Montreal, opened an obstetrical floor in their new building.

During the year two English Sister tutors from Guy's Hospital, London, visited Canada and the United States of America. They spent about two weeks in this Hospital, observing teaching methods and administration.

Miss Marie Demol, a nurse from Paris, spent six weeks taking extra work in obstetrics, before leaving for England to take the course in Bedford College, having received the Florence Nightingale Scholarship for France.

The unemployment situation among the graduate nurses, and the responsibility schools of nursing feel in yearly adding to their number continues to be a matter of grave consideration. Graduate nurse service should be used as far as possible in the hospitals in order to raise the standard of nursing care, and to give extra employment.

In closing may I express to the Governors the appreciation of the Nursing Staff for many pleasures and many gifts; and to the Medical Staff for their interest and support in all things connected with the School and the student nurse.

Respectfully submitted,

MABEL F. HERSEY,

*Superintendent of Nurses.*

## GRADUATING CLASS, 1934

BARRETT, MARION . . . . .	Riverside, N.B.
BEATTY, BESSIE . . . . .	Mallorytown, Ont.
BOONE, MARION . . . . .	Sydney, N.S.
BUCHANAN, RUTH . . . . .	St. Stephen, N.B.
BURKE, MARGUERITE . . . . .	Windsor, Ont.
BUTLER, VIOLET . . . . .	Montreal, Que.
CAMERON, MARION . . . . .	Britannia Heights, Ont.
CASSELMAN, MARGARET . . . . .	Finch, Ont.
COLLINS, DOROTHY . . . . .	Granby, Que.
CURRIE, MARION . . . . .	Bangor, Maine.
DEBUTTS, FRANCES . . . . .	Barboursville, Va.
DONNELLY, KATHLEEN . . . . .	Winnipeg, Man.
FRIEL, MARGARET . . . . .	Moncton, N.B.
GRANT, MARGARET . . . . .	Potsdam, N.Y.
HANKE, ELLA BETH . . . . .	Tavistock, Ont.
HARVIE, RENA . . . . .	Midland, Ont.
HOLLAND, ETHEL . . . . .	Charlottetown, P.E.I.
HOPKINS, GWENDOLYN . . . . .	Stanley, N.S.
HOWES, CATHERINE . . . . .	Owen Sound, Ont.
IRVING, FREDA . . . . .	South Brookfield, N.S.
KIDD, KATHLEEN . . . . .	Woodbridge, Ont.
KNIGHT, ELSIE . . . . .	Georgetown, P.E.I.
LAMBERTUS, CONSTANCE . . . . .	Eganville, Ont.
LAWRENCE, KATHLEEN . . . . .	West Shefford, Que.
LESTER, ELSIE . . . . .	Truro, N.S.
MACDONALD, JOYCE M. . . . .	Pictou, N.S.
MACKENZIE, JEAN C. . . . .	St. Stephen, N.B.
MACKENNA, CAROLYN . . . . .	Parrsboro, N.S.
MCLAUGHLIN, MARGARET . . . . .	Brantford, Ont.
MACLEOD, CORA M. . . . .	L'Original, Ont.
MACNICHOL, LORRAINE . . . . .	Campbellton, N.B.
MILNER, MARJORIE . . . . .	Amherst, N.S.
MUNRO, GRACE . . . . .	Kentville, N.S.
NEILSON, EBBA . . . . .	Plaster Rock, N.B.
PEABODY, VIVIAN . . . . .	Newport, Vt.
PYNN, MELBA . . . . .	Notre Dame Bay, Nfld.
ROBERTSON, FLORENCE . . . . .	Truro, N.S.
SCOTT, EVELYN . . . . .	Almonte, Ont.
SIMPSON, ANNA . . . . .	Sackville, N.B.
SMITH, EDITH . . . . .	Halifax, N.S.
THOMAS, BEATRICE . . . . .	Stanley, N.B.
TOWNSEND, ETHEL . . . . .	Grand Pré, N.S.
TURNBULL, ISABEL . . . . .	Barrie, Ont.
WILSON, MARION J. . . . .	Cannington, Ont.
YOUNG, MARYON K. . . . .	Dartmouth, N.S.



STAFF NURSES' SITTING-ROOM



BEDROOM—NURSES' HOME



# REPORT OF THE DEPARTMENT OF NUTRITION

*For the Year Ended December 31st, 1934.*

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

I have the honour to present for your approval the Sixth Annual Report of the Department of Nutrition for the year ended December 31st, 1934.

We are fortunate to again note a year's service with the Graduate personnel unchanged and report the Staff on duty as formerly:

Graduate Dietitians.....	5
Student Dietitians.....	9

From a total of sixty-five applications received during the year for post-graduate training in the Department of Nutrition eleven were accepted, and upon the completion of the prescribed course seven students were successful in securing positions.

Student Nurses numbering 92 received practical and theoretical training in the Diet Kitchen.

The Dietary administration of the Montreal Neurological Institute, which opened in September, is supervised from the Main Building. Food service to forty-seven private and public patients is provided for by the Main Kitchen while special diets are sent from the Metabolism Kitchen. The many facilities for simplifying the service, with which the floor pantries of this building are equipped, together with the electrically heated food conveyors have given satisfactory results. Any apprehension that was felt for the service due to the distance and circuitous routing has been dispelled, since the conveyors have proved efficient both in preserving the quality of the food and controlling waste. We hope the year 1935 will see improved food distribution to our public wards by the installation of the same type of conveyor.

Other than formulating plans for the above-mentioned unit the routine of the department as a whole has seen few changes, but has continued with the same objective always in mind—service to the patients and the personnel.

The economic problem of our administration presented a new phase, that of maintaining the same standard of food service on a budget based on 1933 levels though confronted with a noticeable recovery in food prices. In handling this difficulty the importance of maintaining standards was recognized and, although the expenditure

was in excess of the budget, the final figures for the year reflected the efforts and the close co-operation of the staff. There was an increase of only 3.42 per cent in our raw food per capita costs, while government statistics indicate an average increase over 1933 of 7.85 per cent.

A record of the meals served from the four food distributing centres for 1934 and the previous year is as follows:—

		1934	1933
Main Building. . . . .	954,505	963,745	963,873
Neurological Institute. . . . .	9,240		
Ross Pavilion. . . . .		72,876	74,613
Special Diet Kitchen. . . . .		25,250	26,065
Women's Pavilion. . . . .		372,844	380,843
	Total. . . . .	1,434,715	1,445,394
	Average per day. . . . .	3,930	3,960

The general lowering of the meal count in these respective units, as compared with 1933, is partially balanced by the 9,240 meals served to the patients in the Neurological Institute, and the daily average for the year has not appreciably altered as may be seen by the foregoing statistics.

The interests of the Metabolism Kitchen, which takes care of special diets and research cases, grow more varied each year with new types of diets and different research problems indicating the ever-changing trend of nutritional work and particularly therapeutic diets.

As noted below, the figures show a decrease in actual tray service, but an increase in "extra" and "test" meals.

	1934	1933
Trays. . . . .	23,181	24,462
Extra and Test Meals. . . . .	2,069	1,603
	25,250	26,065
Cost per patient per day (raw food). . . . .	\$0.49	\$0.48

A further analysis of figures relative to patients on therapeutic diets record a total of 1,097 in the Main Building, Ross Pavilion, Women's Pavilion and Neurological Institute. Of these, 368 were weighed, including 307 diabetic diets, and 729 were unweighed. In addition 3,506 Infant Formulæ were prepared, excluding those made in the Women's Pavilion. Approximately these represent a daily average of 70 which is 15% of the daily average of patient days.

In the educational section of the Dietary Department total hours of instruction given by the Staff were 866.

The Calendar requirement for nurses of 60 lectures and laboratory periods in Nutrition, Diet Therapy, Elementary Cookery and Infant Feeding Formulæ is comprised of 164 teaching hours.

Demonstrations in cookery and classes in nutrition to patients and their relatives; special classes in diet calculation to medical students total 258 hours.

In addition to the classes, 444 hours of individual instruction, as compared with 311 in 1933, were given as follow-up work to patients on special diets. The satisfaction of the patient has amply justified this increase in hours of tuition.

New patients admitted to the weekly Out-patient Diabetic Clinic numbered 90.

Total enrolment. . . . . 1,973

In conclusion, to the Medical and Nursing Staff for their services to members of our staff, and to all departments for their co-operation, we wish to express our sincere appreciation.

I also wish to acknowledge with gratitude the continued interest of the Board of Governors.

Respectfully submitted,

CHARLOTTE LARGE,  
*Dietitian-in-Chief.*

# REPORT OF THE SOCIAL SERVICE DEPARTMENT

*For the Year Ended December 31st, 1934.*

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

I have the honour to present for your approval the Fifteenth Annual Report of the Social Service Department for the year ended December 31st, 1934.

The present economic condition has changed the outlook of the work and unless we try to give the patient some responsibility regarding his own problems, he may become a chronic dependant. We are therefore trying to help the patient to help himself in carrying out any social plans, or even in contributing 5 or 10 cents towards his medical care when it is at all possible.

*Staff.*—There have been no changes in the staff or policy during the year. The staff consists of three Workers, two Secretaries and a Supervisor.

*Volunteers.*—Twenty-five members of the Junior League and several others have given us helpful service in clinics again this year. We are most grateful for the assistance received from the Junior League Canteen Fund to the amount of \$545.05, in addition to \$949.00 having been used for Blood Donors, etc., at the discretion of the Superintendent.

During the year there were 2,120 patients referred, including 1,031 Protestants; 649 Roman Catholics; 440 Hebrews and others. Of these 706 were referred from doctors; 791 from other departments in the hospital and 623 from Social Agencies, Clergy, etc.

*Students.*—Nurses-in-training have not been sent to us for any practical work but class instruction has been given to Senior and Junior Students. We have co-operated with the McGill School of Social Work in giving Field Trips to volunteer students.

The increase in the number of children attending the Congenital Luetic Clinic has been one of the outstanding features of the year, partly due to the routine Wassermanns now taken in the Pre-Natal Clinic.

We regret that we were unable to comply with the request from the Neurological Institute for a Worker, but hope that ways and means will be forthcoming to provide for this need in the near future.

*Christmas.*—The Christmas Party for the children attending the clinics was given on December 15th. The Rotary Club provided an excellent program, which included a Punch and Judy Show, Community Singing and a moving picture. Lovely toys, dolls and candy bags were given by the Montrose Club, and this year the probationers dressed forty dolls for the Tree, which were greatly appreciated. The Boy Scouts also sent us a donation of toys.

Through the generosity of several organizations and interested individuals, Christmas dinners were given to forty-two (42) families and seventeen (17) Christmas boxes were packed and sent to ex-patients at present in the Moore Old Peoples' Home.

### STATISTICAL REPORT

New medical social case records . . . . .	209
New and old cases carried during the year . . . . .	310
Number of cases referred for some form of social work . . . . .	2,120
Ward follow-up slips given . . . . .	979
Number of patients returned to Out-patient Department . . . . .	758
Investigations . . . . .	1,221
Letters and post cards sent . . . . .	1,284
Interviews . . . . .	13,402
Home visits . . . . .	1,284
Referred to other co-operative agencies . . . . .	945
Written reports sent to other agencies . . . . .	1,144

#### Arranged for or supplied:—

Admissions . . . . .	196
Nursing care, Victorian Order of Nurses . . . . .	87
Extra diet, Montreal Diet Dispensary . . . . .	76
Employment . . . . .	2
Special corsets, abdominal belts and trusses . . . . .	37
Crutches, canes and other surgical supplies . . . . .	93
Dental care . . . . .	75
Taxis . . . . .	326
Railway fares . . . . .	60
Glasses . . . . .	223
Artificial eyes . . . . .	4
Clothing . . . . .	158
Lunches . . . . .	331
Car and bus tickets . . . . .	941

Convalescent care for 437 patients and 140 other placements were arranged as follows:—

Montreal Convalescent Home.....	201
Hastings Convalescent Home.....	6
Moore Convalescent Home.....	1
Murray Bay Convalescent Home.....	35
St. Joseph's Convalescent Home.....	3
Julius Richardson Convalescent Hospital.....	6
Private Convalescent Homes.....	60
Camps.....	8
Canadian Red Cross Lodge.....	117
Other Placements:—	
Incurable Hospitals.....	26
Homes for Aged.....	2
Mental Hospitals.....	19
Refuges.....	9
Hospitals.....	20
Homes.....	3
Sanatoria.....	60
Deported.....	1

May we express our sincere appreciation to the Convalescent Homes, other Social Agencies, Service Clubs, and Private Individuals, with whom we have worked during the year, for their helpful co-operation. The Montrose Club has continued its interest in the work of the Department and has been most generous in supplying knitted garments, clothing and books. The Needlework Guild and the Knox Crescent Ladies' Aid have also given us donations of clothing, for which we are most grateful. The Flower Committee of the Montreal Council of Social Agencies, was very faithful in bringing us fresh flowers every week during the summer months, which were a great source of pleasure to the patients. Sincere thanks is due to the Westmount Operatic Society for its help through money raised by the Annual Concert for the Convalescent Fund.

To Miss Helen Norton, Boston, Mass., may we express our sincere thanks for another generous gift of money for the work of the Department.

To Mr. Chenoweth, the Doctors, Nurses, and members of other departments of the Hospital, we express our appreciation for their continued help.

Before closing this report, I would like to extend my sincere thanks to the members of the Staff for their continued support.

Respectfully submitted,

H. ALINE PAICE,

*Director Social Service.*

REPORT OF THE SOCIAL SERVICE  
DEPARTMENT

WOMEN'S PAVILION

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*For the Year Ended December 31st, 1934.*

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To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

I have the honour to present the Annual Report for the year ending December 31st, 1934, of the Social Service Department of Obstetrics and Gynæcology.

1,602 patients have been referred to the Obstetrical Department for arrangements for pre-natal and maternity care.

The Ladies' Committee have provided the supplies necessary for Outside Service, and through their efforts many patients have been helped with layettes, sheets, clothing, milk, and transportation to and from the Hospital. They have also provided cars for home visiting. 2,942 home visits have been made. 500 patients were delivered in their homes in 1934, in comparison with 660 in 1933.

*Follow-up.*—1,394 babies have been referred to the Child Welfare Association, following our usual routine.

909 mothers have returned to post-partum clinics for examination, an increase of 29 over last year.

565 cards have been sent to patients who attend the Gynæcological Clinic and to those discharged from the Wards. If the patient does not then attend the clinic, a visit is made to the home.

The canteens held in the Settlement Clinics, where cocoa and biscuits are served, have been greatly appreciated. Most of these patients are on relief.

*Christmas.*—77 families received Christmas dinners through the Ladies' Auxiliary and private individuals. 50 children attended the Christmas Tree in the Main Hospital Outdoor.

## STATISTICAL REPORT

## OBSTETRICS

*Royal Victoria Hospital*

New Patients.....	917
Total Attendance.....	5,098

*Point St. Charles*

New Patients.....	267
Total Attendance.....	1,641

*Rosemount*

New Patients.....	152
Total Attendance.....	1,044

*Coursol*

New Patients.....	106
Total Attendance.....	581

*Maisonneuve*

New Patients.....	77
Total Attendance.....	481

*Montreal General Hospital*

New Patients.....	107
Total Attendance.....	654

*Mount Royal*

New Patients.....	76
Total Attendance.....	451

Total number of new Indoor Patients.....	918
Total number of new Outdoor Patients.....	684

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 1,602

Total number of Patients attending Clinics.....	9,922
Patients referred to other Agencies.....	208
Patients referred from Agencies and other sources.....	392



GYNAECOLOGY

In the Outdoor Department there were 3,768 revisits, an increase of 157 over last year; and 985 new patients, a decrease of 179; a total decrease of 22 patients attending the Outdoor Department.

Reports . . . . .	52
Letters . . . . .	45
Investigations . . . . .	592
Interviews . . . . .	2,576
Referred to Co-operative Agencies . . . . .	46
Referred for Diathermy Treatments . . . . .	416
Referred for Special Treatments . . . . .	13
Referred for Convalescent Care . . . . .	50
Home Visits . . . . .	772
Active Social Cases . . . . .	23
Steering Cases . . . . .	73
Follow-up Cards sent . . . . .	656

In closing, we wish to express our deep appreciation to the Ladies' Auxiliary Board, Mr. Chenoweth, the doctors and the various Social Agencies, for their valuable co-operation and assistance in our work.

Respectfully submitted,

GERTRUDE MATTHEWS,  
*Social Service Department,  
 Women's Pavilion.*

# FOURTEENTH ANNUAL REPORT OF THE ROYAL VICTORIA HOSPITAL LIBRARY

—————  
*For the Year Ended December 31st, 1934.*  
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To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

I take pleasure in presenting the Fourteenth Annual Report of the Royal Victoria Hospital Library.

During the past year more responsibility has been placed on the regular workers of each day, so that thus the Honorary Librarian or any member of her committee is able to devote more time and thought to the advancement of hospital libraries in various places.

The great event of 1934, for all libraries, but especially those in Montreal, was the American Library Association Convention, held in this city June 25-30, 1934. Thousands attended it. Of course our main interest was the Hospital Library Round Table, which, after some correspondence, was left to me to arrange. Miss Hersey and her staff, in her usual kindly spirit, invited all those who attended meetings held in the Nurses' Home, to have tea, and also those who wished, to make a tour of the Hospital.

In order to make preparations, we enquired from headquarters in Chicago as to the number of hospital librarians expected to attend. The answer received was rather a shock—17. The number who appeared at the meeting, 88, made every one in charge work! Those present were hospital librarians from all parts of North America.

The program began with a lecture by the Honorary Librarian of the Royal Victoria Hospital, followed by questions and answers regarding our library. An interesting lecture on Hospital Libraries was given by Dr. Sclater Lewis. Discussion led by Miss Julia Stockett of Vancouver on this work, and how it could be helped by hospitals as well as public libraries, followed. Mrs. Elva Bailey, of Minneapolis Public Library, and President of Hospital Library section of the American Library Association, presided.

The previous day about 20 Hospital Librarians of the United States visited the Ste. Anne's Hospital at the invitation of Captain Boyd. As the majority of these people are librarians in Veterans' Hospitals across the line, they were most interested in the McGill Alumnæ Library there, as well as all parts of the Hospital, and the cup of tea served made an ideal finish.

It is not in a boasting spirit, but that those not attending the convention may have some idea of the position which the Library of this Hospital holds in that branch of work, that I state that my paper on our views as well as work done was, at the request of the editors, published in *Canadian Hospitals* and the *Library Journal*.

At our Round Table the first question I received from every one was "How do you obtain such efficient volunteer service?" The expression on the questioners' faces was even more surprising when the answer given was, "We have to keep a waiting list, as many want the joy of doing this work."

More than six years ago, when our work was connected with those libraries doing similar work in the United States of America, there were many disputes respecting volunteer work in libraries, without change of opinion. After the American Library Association convention in 1934, I was asked to help rewrite the book "Hospital Library", one chapter being devoted to our voluntary work. Invitations to lecture on voluntary work at a convention in California, and on our own work in detail, to the Library School of Toronto, have been extended to your Honorary Librarian.

A letter from Harper Hospital, Detroit, received by the Superintendent of this Hospital was referred to the Librarian. All information on the founding and conducting of a hospital library was wanted. A copy of the lecture given at the convention in June was sent for reference, as well as a letter giving specific statements. The reply received was that the Harper Hospital, of the same size as the Royal Victoria Hospital, has decided to found a library using the same rules and system as we do. It is also to be conducted by trained volunteers.

An important extension of the work of the Library, is that books are taken regularly twice a week to the Neurological Institute. Not many books are borrowed, but almost in proportion to other parts. Even if only one book was given out, it would be a delight to make that trip for that purpose, as well as allowing other patients to see what friends—books—they would soon be able to enjoy. We are very grateful for the orderly sent from the Neurological Institute every morning on which the heavy waggon is to make that long journey, and for the thanks sent us by Dr. Penfield.

Only three meetings of the Hospital Library Book Club were held this year, as had been decided in 1933. We were fortunate in obtaining two excellent speakers and having as well most interesting and entertaining lectures.

The February meeting was held at the University Women's Club. The Rev. Canon Shatford was the speaker, and his humorous subject "Nonsense Literature." In October the members of the

Club, after being entertained at one of these enjoyable teas of Miss Hersey's, heard an excellent lecture by Miss Bryan on Wm. Butler Yeats. The Annual Meeting was held at the University Women's Club in April.

The usual annual visit was made to the Library by the McGill Library School in the Spring.

Figures and statements may not convey the exact truth to everyone, and though our figures may in some places be lower, I feel it is the truth to say work in the Library has advanced.

In the past year more money was spent on books for the shelves due to increase in donations and fines collected for overdue books. The total amount spent was \$260.95. Of this \$36.20 came from donations and \$14.57 from fines. From the annual grant of the Hospital to the Library only \$210.18 was spent on books, as more had to be allowed for necessary supplies. With this money 179 books were bought.

Due to the splendid response to our Spring appeal sent to every department of the Hospital, to make our shelves up to a high standard for the convention, our donation of books for 1934 was 548. To make room on the crowded shelves the discards were 597. All these discards, as in previous years, were sent to other places for use, as the Royal Edward Institute and Griffintown Club. The number of lost books is lower, 197. The circulation of the Library for 1934 totals 18,059. This was made possible by the work of the staff of volunteer workers, two visiting stated Wards every day, one remaining in the Library to loan books to any one working in the Hospital.

In spite of large figures for donations, and fewer lost books, we have on the shelves at the close of 1934, 2,586 books, which is 114 less than the previous year. Rules have been made stricter for returning of overdue books and space for more books is limited. The matter of needed funds, space for books, correspondence files, must be taken under consideration at an early date.

In conclusion I wish to thank the staff of the Royal Victoria Hospital for assistance given by them to the work in the Library, and also my personal thanks to my staff of 37 volunteer workers.

Respectfully submitted,

INEZ M. BAYLIS,

*Honorary Librarian,  
Royal Victoria Hospital.*

## DONATIONS, 1934

BASSARABIER HEBREW SICK BENEFIT ASSOCIATION...	\$ 35.00
BEATTY, MR. E. W...	113.00
BIRKS, CORNER & CO. LIMITED (CHRISTMAS FUND)...	10.00
CANADIAN CANNERS LIMITED (CHRISTMAS FUND)...	5.00
CANADIAN PACIFIC RAILWAY COMPANY...	750.00
CONDOR FOOD PRODUCTS (CHRISTMAS FUND)...	10.00
CONE, DR. W. V. (BURDICK SURGICAL UNIT)...	595.00
DOMINION BRIDGE COMPANY LIMITED...	200.00
DOMINION TRANSPORT COMPANY LIMITED...	50.00
ELMHURST DAIRY LIMITED (CHRISTMAS FUND)...	25.00
GOODHUE, MISS E. W. (CHRISTMAS FUND)...	5.23
GORDON, SIR CHARLES...	113.00
GORDON, THE ESTATE LATE MRS. MARY...	177.33
HODGSON, MR. AND MRS. A. A. (X-RAY CYSTOSCOPIC TABLE)...	2,050.00
HOLT, LADY (CHRISTMAS FUND)...	250.00
HOLT, SIR HERBERT S. ....	413.00
HOLT, SIR HERBERT S. (FOOTBALL CLUB)...	50.00
HOLT, SIR HERBERT S. (HERBERT S. HOLT FOUNDATION)...	28,000.00
JACQUES, MR. LEON...	5.00
JUNIOR LEAGUE CANTEEN...	300.00
LINDSAY, SIR CHARLES (TOWARDS PORTABLE ORGAN)...	47.50
MATHEWSON'S SONS (CHRISTMAS FUND) ....	5.00
MOLSON, MRS. HERBERT AND MRS. J. H. (CHRISTMAS FUND)...	100.00
MONTEFIORE MUTUAL BENEFIT ASSOCIATION...	10.00
MONTREAL CITY & DISTRICT SAVINGS BANK (MATERNITY)	75.00
NORTON, MISS M. H. (SOCIAL SERVICE WORK)...	500.00
RUSSIAN POLISH SICK BENEFIT ASSOCIATION...	25.00
SCOTT, MISSES ELIZABETH AND JEAN (TO FOUND THE "KATHARINE SCOTT FELLOWSHIP" IN MEMORY OF THEIR MOTHER)...	12,000.00
STEWART, MRS. WALTER M. (OUTDOOR MATERNITY SERVICE) .....	1,000.00
STEWART, MR. WALTER M. ....	163.00
STEWART, MR. WALTER M. (MAINTENANCE OF TOWER CLOCK, MATERNITY PAVILION) .....	87.00
WILSON, MR. ROBERT.....	10.00
WRAY, THE ESTATE LATE MR. GEORGE...	502.86

## MISCELLANEOUS GIFTS, 1934

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Annual Subscription to Three Magazines (Maternity).....	Allan, Mrs. Andrew
Clothing for Children.....	American Women's Club
36 pairs Bootees and 12 Bonnets—Making of 59 pairs Bootees and 26 Bonnets (Maternity).....	Benson, Mrs. G. F.
Library Books.....	Berliner, Mrs. E. M.
Cakes.....	Bovey, Col. W.
Toys.....	Boy Scout Association
6 Turkeys.....	Canada Packers Limited
7 Christmas Trees.....	Canada Provision Company
41 Novels for Nurses' Library (Mater- nity).....	Caverhill, Mrs. G. R.
Salmon.....	Chipman, Dr. W. W.
Sajous's Analytic Cyclopedia of Practical Medicine (Maternity).....	Chipman, Dr. W. W.
Balloons.....	Duckett, Mr. J. R.
Donation of Wool for making Knitted Garments for Infants (Maternity).....	Field, Miss Carolyn
Grapefruit and Cherries.....	Garrow, Mrs. A. E.
"The Modern Hospital" for 1935 (Mater- nity).....	Gillespie, Miss
"The National Geographic" for 1935 (Maternity).....	Gillespie, The Misses
Making of 13 pairs Bootees (Maternity).....	Good Companions Group: Canadian Girls in Training
5 Kenwood Blankets and 5 Bed Lamps (Maternity).....	Hastings, Mrs. Thomas
Reconditioning Radio for 1st Floor East (Maternity).....	Hebden, Mrs. E. R. W.
Woolen Garments for Infants (Maternity).....	Holt, Mrs. W. R. G.
High Chair and Kiddie Koop.....	Hughes, Mrs. Philip
Woolen Garments for Infants—Christmas Presents to Public Ward Babies (Mater- nity).....	Hugessen, Hon. Mrs. A. K.
Paper Caps.....	Hygiene Products Limited
14 Dozen Ginger Ale.....	Laurentian Spring Water Ltd.
12 Christmas Trees.....	Leonard Supply Company
2 cases Oranges.....	Lindsay, Sir Charles
One Knitted Sweater, 4 pairs Bootees, Knitted Garments for Infants, 5 Plants for Public Wards (Maternity).....	Lindsay, Mrs. Lionel
1 box Holly.....	Masson & Sons Limited

## MISCELLANEOUS GIFTS—*Continued*

Twenty pairs Bootees, 18 Books for Nurses' Library, Christmas Cards, Christmas Decorations, 5 lbs. Candy at Christmas, Flowers for Wards (Maternity).....	Mathias, Mrs. P. F.
3 Novels for Library (Maternity).....	Meredith, Lady
Dolls, Dresses, Toys and Candies.....	Montrose Club
25 lbs. Sausages.....	McGarry & Co. Limited
12 Cushion Forms for Sun Parlours (Maternity).....	MacDougall, Mrs. H. C.
2 bags Garments.....	Needlework Guild of Canada
25 Knitted Garments for Adults and 132 Knitted Garments for infants (Maternity).....	Needlework Guild of Canada
3 Turkeys.....	Poulin & Co., P.
Dolls and Toys.....	Pupils of Misses Edgar and Cramp's School
5 gals. Ice Cream and 36 Bricks Santa Claus Ice Cream.....	Purity Ice Cream Co. Ltd.
Dressed Dolls.....	Probationers, R. V. H. Training School
8 Christmas Trees.....	Silver Fruit & Vegetable Store Reg'd
6 Rose Bushes for Public Wards (Maternity).....	Stewart, Mr. T. Howard
165 packs of Cards.....	University Club
Making of 15 pairs of Bootees (Maternity).	Williams, Mrs. K. M.

## ROYAL VICTORIA HOSPITAL

### DONATIONS TO CHRISTMAS TREE FUND, 1934

NAME	AMOUNT	NAME	AMOUNT
ALEXANDER, JAMES.....	\$ 5.00	KENNEDY, HAROLD.....	\$25.00
ALLAN, MRS. ANDREW A.....	10.00	KILLAM, I. W.....	25.00
ALLAN, HUGH A.....	25.00	KING, J. COCHRANE.....	10.00
ALLAN, JAMES B.....	25.00	LABATT, MRS. THEODORE.....	10.00
ALLAN, LADY.....	10.00	LUCAS, MRS. ALGERNON.....	10.00
ALLAN, SIR MONTAGU.....	10.00	MACDOUGALL, H. B.....	10.00
ANGUS, D. FORBES.....	20.00	MACINNES, W. R.....	10.00
ANGUS, W. F.....	25.00	MACNUTT, E. A.....	2.00
ATHOLSTAN, LORD.....	50.00	MARTIN, DR. AND MRS. C. F...	10.00
BALLANTYNE, LT.-COL. AND		MCCONNELL, J. W.....	50.00
MRS.....	10.00	McFARLANE, MR. AND MRS.	
BAUMGARTEN, MRS. A.....	5.00	C. H.....	10.00
BEARDMORE, MRS. L.....	10.00	McMASTER, R. H.....	25.00
BEATTY, E. W., K.C.....	100.00	MEIGHEN, COL. F. S.....	25.00
BENNING, MRS. J. W.....	50.00	MEREDITH, MRS. CHARLES...	25.00
BLACK, W. A.....	50.00	MEREDITH, F. E., K.C.....	30.00
BOG, W. A.....	25.00	MEREDITH, LADY.....	100.00
BRONFMAN, ALLAN.....	25.00	MILLER, MRS. W. R.....	5.00
CANTLIE, COL. GEORGE S.....	20.00	MOLSON, LT.-COL. HERBERT..	20.00
CHIPMAN, MRS. W. W.....	10.00	MOLSON, MRS. WALTER.....	10.00
COOK, J. W., K.C.....	15.00	MORGAN, F. CLEVELAND.....	2.00
CREAM, DANIEL.....	1.00	MORRICE, R. B.....	10.00
DAWES, A. SIDNEY.....	5.00	MORRICE, W. J.....	15.00
DAWES, KENNETH T.....	10.00	MURRAY, HOWARD.....	15.00
DAWES, NORMAN J.....	25.00	OGILVIE, MISS ALICE H.....	5.00
DAWSON, A. O.....	10.00	OPPE, MRS. JOHN D.....	5.00
DOBSON, S. G.....	10.00	PATERSON, J. B.....	25.00
DRUMMOND, MRS. ARTHUR...	50.00	PATERSON, MRS. R. MACD...	10.00
DRUMMOND, HUNTLY R.....	25.00	PATON, HUGH.....	10.00
DRUMMOND, LADY.....	25.00	PILLOW, HOWARD.....	20.00
DUGGAN, G. H.....	10.00	RACINE, ALPHONSE.....	10.00
FETHERSTONHAUGH, E. C. B...	25.00	REDMOND, RENE.....	10.00
FETHERSTONHAUGH, R. C.....	10.00	SCOTT, MISS ELISABETH.....	10.00
FRASER, MRS. J. R.....	5.00	SHAUGHNESSY, BARON.....	15.00
GILLESPIE, T. S.....	15.00	SHAUGHNESSY, LORD.....	25.00
GORDON, SIR CHARLES, G.B.E.	35.00	SISE, C. F.....	10.00
HART, E. THORNLEY.....	2.00	SKINNER, W. W.....	10.00
HODGSON, A. A.....	20.00	SOUTHAM, MR. AND MRS. F. N.	5.00
HODGSON, D. M.....	10.00	SOUTHAM, W. W.....	10.00
HOLT, SIR HERBERT S.....	100.00	STEWART, WALTER M.....	100.00
HOSMER, ELWOOD B.....	25.00	TIMMINS, N. A.....	10.00
HOSMER, MISS OLIVE.....	50.00	TODD, DR. AND MRS. J. L....	10.00
JELLETT, R. P.....	5.00	WALTERS, P. R.....	10.00
JONES, F. P.....	100.00	WATSON, J. C.....	10.00
JOSEPH, HENRY.....	5.00	WEBSTER, HON. LORNE C....	5.00
		WILSON, HON. J. M.....	10.00



# ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL

## DONATIONS TO CHRISTMAS TREE FUND, 1934

NAME	AMOUNT	NAME	AMOUNT
ADAIR, MRS. R. . . . .	\$ 5.00	LAW, MRS. A. G. . . . .	\$10.00
ANGUS, MRS. W. F. . . . .	20.00	MACDOUGALL, MRS. G. W. . . . .	5.00
ATHOLSTAN, LADY. . . . .	10.00	MORRICE, MRS. DAVID. . . . .	10.00
BENSON, MRS. G. F. . . . .	5.00	PEVERLEY, MRS. FRED. . . . .	5.00
BRAINERD, MRS. WINTHROP. . . . .	5.00	REFORD, MRS. R. W. . . . .	5.00
CAMERON, MRS. J. C. . . . .	3.00	SKINNER, MRS. W. W. . . . .	10.00
GILLESPIE, MISS L. M. . . . .	5.00	STEWART, MRS. T. HOWARD. . . . .	10.00
GORDON, LADY. . . . .	25.00	STEWART, MRS. W. M. . . . .	25.00
HAYS, MRS. C. M. . . . .	10.00	STOKER, MRS. T. T. MCG. . . . .	15.00
HAYS, MISS M. V. . . . .	5.00	TIMMINS, MADAME L. H. . . . .	5.00
HICKSON, LADY. . . . .	15.00	WANKLYN, MRS. F. L. . . . .	10.00
HODGSON, MRS. THOS. E. . . . .	5.00		
HOLT, LADY. . . . .	25.00		
JONES, MRS. F. P. . . . .	10.00		

## FLOWERS

CITY OF WESTMOUNT  
CLINE, MR. J.  
COMMON, MR. F. B.  
HAMPSON, MR.

HANSON, MRS.  
LEE, MRS. H. S.  
ROSS, MR. A. F. C.  
STEWART, MRS. WALTER M.  
STEWART, MR. WALTER M.

## BOOKS AND MAGAZINES

CAPE, MRS. E. G. M.  
CAPE, MRS. E. H. M.  
CHIPMAN, MRS. W. W.

DAWSON, MR. C. F.  
EKERS, MISS H. A.  
GREER, MRS.  
THORNE, MRS. R. E.

## DONATIONS AND BEQUESTS

**Received up to 31st December, 1934, of \$5,000.00 or More  
as a Single Gift or Bequest for One Purpose at One Time**

NAME	DATE	PURPOSE	AMOUNT
ANGUS, MR. R. B.	December, 1894	Foundation	\$ 25,000.00
	December, 1909	General Fund	10,000.00
	August, 1911	Buildings	6,000.00
	January, 1913	General Fund	5,000.00
	December, 1913	General Fund	25,000.00
	December, 1920	Buildings	45,065.00
ALLAN, MR. JAMES B.	September, 1924	Travers Allan	10,000.00
	January, 1925	Scholarship	5,000.00
CHIPMAN, MRS. W. W.	October, 1926 (199,931 milligrams of Radium)	Radium Fund	13,715.27
CLOUSTON, SIR EDWARD S.	January, 1911, to December, 1912	Buildings	55,888.99
HASTINGS, MRS. THOMAS	August, 1923 (Deed of Gift of Property)	General Fund	10,000.00
HOLT, SIR HERBERT S.	February, 1919	Equipment	5,000.00
	January, 1925	Maternity Pavilion Building	100,000.00
	December, 1928	Radium Fund	5,000.00
	December, 1934	Herbert S. Holt Foundation	28,000.00
HOSMER, MR. C. R.	January, 1913	General Fund	5,000.00
HOSMER, MR. C. R. (Estate)	January, 1928	General Fund	100,000.00
MARTIN, MR. ALFRED AND 2 BROTHERS	May, 1917 (In memory of their Mother, Mrs. Bertha Martin)	General Fund	5,000.00
MCCONNELL, MR. J. W.	December, 1928	Radium Fund	5,000.00
MCDONALD, REGD., W. C.	December, 1923	General Fund	12,000.00
MEREDITH, SIR VINCENT, BART.	December, 1928	Radium Fund	5,000.00
MONTREAL, CITY OF	August, 1932	Maternity Pavilion Fund	6,000.00
QUEBEC, PROVINCE OF	September, 1925 (Grant payable in half-yearly instal- ments with interest over period of 20 years).	Maternity Pavilion Building	200,000.00
ROCKEFELLER, MR. J. D., JR.	June, 1923	Insulin Fund	10,000.00
ROSS, MR. JAMES	January, 1911	Buildings	15,000.00
	February, 1911	Buildings and Equipment	10,171.27
ROSS, MR. JAMES (Es- tate)	December, 1913	Buildings	50,000.00

## DONATIONS AND BEQUESTS—*Continued*

NAME	DATE	PURPOSE	AMOUNT
Ross, Mr. J. K. L.	October, 1916	Foundation	\$700,000.00
	(Deed of Gift of Ross Memorial Pavilion)		
SCOTT, THE MISSES			
ELIZABETH AND JEAN	July, 1934	Janet Scott Fellowship	*12,000.00
SHAUGHNESSY, THE RT.			
HON. LORD, K.C.V.O.	April, 1918	General Fund	5,000.00
SMITH, THE HON. SIR			
DONALD A., K.C.M.G.	June, 1887	Foundation	500,000.00
	June, 1894	General Fund	20,000.00
	June, 1895	General Fund	10,000.00
	February, 1896	General Fund	10,000.00
STRATHCONA AND			
MOUNT ROYAL, LORD	December, 1902	Foundation	6,126.00
	(Donation of land)		
STRATHCONA AND			
MOUNT ROYAL, LORD	December, 1915	General Fund	471,250.00
(Estate)			
STEPHEN, THE HON. SIR			
GEORGE, BART.	June, 1887	Foundation	500,000.00
	June, 1894	General Fund	20,000.00
	June, 1895	General Fund	10,000.00
	February, 1896	General Fund	10,000.00
STEPHEN, THE RT. HON.			
LORD MOUNT	February, 1922	General Fund	9,060.00
STEPHEN, THE RT. HON.			
LORD MOUNT AND			
SMITH, THE HON. SIR			
DONALD A., K.C.M.G.	January, 1895	Foundation	86,203.08
	July, 1896	General Fund	800,000.00
STRATHCONA AND			
MOUNT ROYAL, THE	March, 1927	General Fund	121,386.50
BARONESS (Estate)			
STEWART, MR. WALTER			
M.	January, 1925 to		
	October, 1925	Maternity Pavilion Bldg.	45,000.00
	December, 1924	General Fund	12,000.00
	March, 1928, June, 1928	Installation and Maintenance of Tower Clock	7,314.96
TURNER, WILLIAM (Estate)			
	July, 1931	General Fund	34,597.30
	(Securities and Cash bequeathed)		
			\$4,161,778.37

\*Revenue to be devoted to Department of Obstetrics and Gynæcology.

# REPORT OF THE DEPARTMENT OF MEDICINE

*For the Year Ended December 31st, 1934.*

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

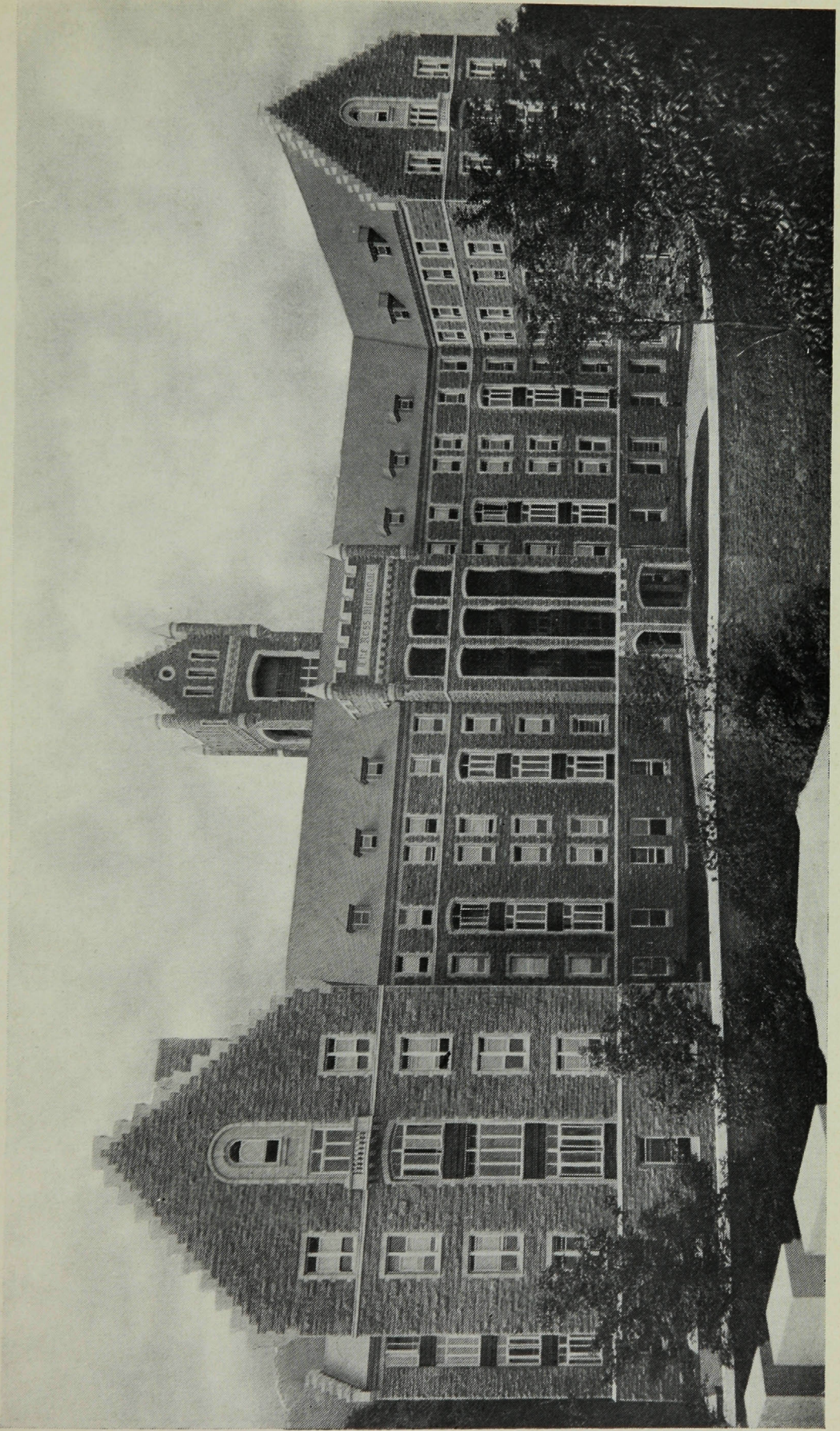
I beg to submit the following Report for the Department of Medicine for the year 1934.

During the past year the organization of the Medical Department into four Divisions or Services has been completed. These Divisions consist of two in General Medicine, one in Metabolism, and one in Pædiatrics. Each Service has its respective Outdoors and the Staff attached to each, both Attending and Interne, operate as a unit, thus permitting greater continuity in the care and follow-up of patients. This is functioning with increasing efficiency.

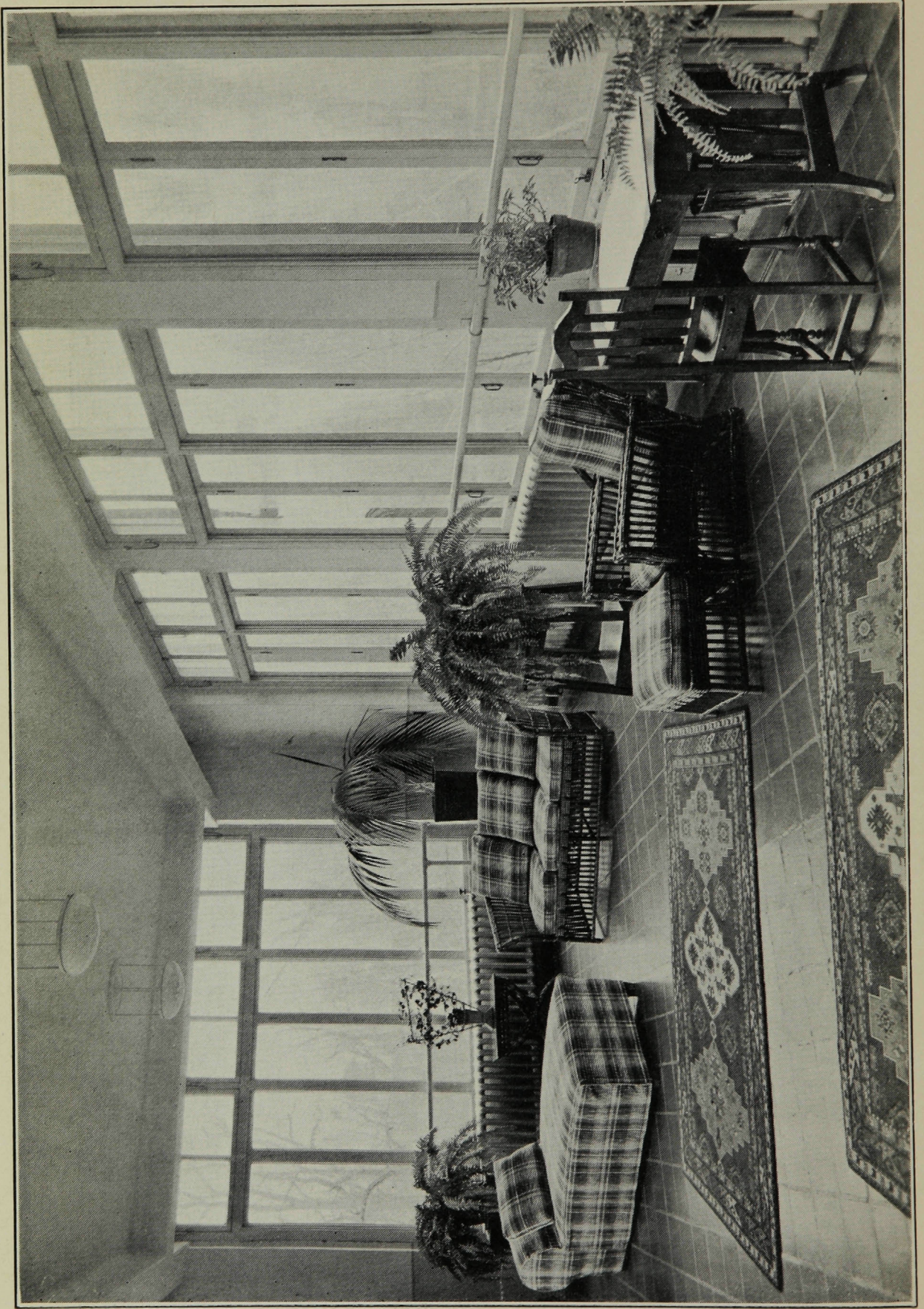
A continuous attempt has been made to eliminate patients from the Outdoor who are attending many Clinics, oftentimes for the same diseases. As this survey has continued it has been frequent to find one patient attending as many as twelve Outdoors. This has led to great waste of time and space in Clinics which are already much congested.

In order to conserve our efforts and at the same time make better use of our restricted quarters, certain of the Special Outdoors have been combined, namely, the Cardiac and Renal Clinics have been united into a Cardiovascular-Renal Clinic, while the Pulmonary and the Clinic devoted to Asthma and other diseases of allergy have been united into one Allergic and Pulmonary Clinic. This last step has been made possible through the practical elimination of chronic cases of tuberculosis from the Pulmonary Clinic, as mentioned in our report for 1933. This has been possible through the close co-operation with the Royal Edward Institute.

The Clinic for Congenital Syphilis in the Pædiatric Division has enlarged its scope. Whereas originally only individual cases of congenital syphilis were taken under consideration, this has gradually been extended until a survey of all members of the family is being carried out as far as possible. It is hoped by this means that cases of unsuspected syphilis will be detected not only amongst the parents but also the children in syphilitic families, in the hope that many more cures may be effected and the late results of this insidious disease may be prevented. Steps are being taken to co-operate more closely with the Maternity Service where it has been found that somewhat over 2.5% of all mothers in the Public Department are infected with this disease. By this means many cases of congenital syphilis in the new-born are being detected, and with the survey of the rest of the children many unsuspected cases are being unearthed which in the future would manifest advanced lesions of this disease.



ROSS MEMORIAL PAVILION



SUN PARLOR OF THE ROSS MEMORIAL PAVILION

By early treatment we expect these will be prevented. Great assistance has been given in this work by the addition to our Staff of Doctor Frank E. Cormia who has had extensive training as a Syphilologist.

The work in the Medical Laboratories of the University Clinic has continued at full capacity and with wider scope. This has been greatly facilitated by the removal of Neuropathology, which for the past five years had occupied space in the University Clinic, to the Montreal Neurological Institute. This released much-needed space for our activities which had been severely handicapped through congestion during the past three years. We have now been able to develop modern work in endocrinology and progress is being made in the assay of various hormones. This is one of the most important advances in the work of a modern hospital at the present time. Great hopes are held out for the future that the solution of many of the elusive problems in Medicine that have defied the physician may now be brought to the bedside. This work has been under the direction of Doctor J. S. L. Browne, who is eminently equipped to carry it out with increasing profit.

Through the generosity of Doctor Loomis, Doctor Ronald V. Christie and two Student Assistants, Messrs. Evelyn and Cipriani, worked in his laboratories at Tuxedo Park during the summer months. With the technical assistance provided by him much new apparatus was constructed. This was very generously donated to the Clinic by Doctor Loomis and has been a great boon to our work, allowing of much additional investigation and opening up many avenues of approach that will be of benefit to the patients. We wish at this time to record our great appreciation of all the assistance which Doctor Loomis has given to the Department not only this year but last year also. This assistance can not be measured in financial outlay alone, but in a much deeper way by his constant encouragement and advice in the solution of many difficult technical problems.

The organization of the Interne Service of the Department was somewhat modified during the year. In addition to the Resident Physician there were appointed four Assistant Resident Physicians, all of whom were graduates of one or more years standing. This has brought more mature judgment into the personnel of this portion of the Staff and has led a number of our previous Internes to remain for a second year, much to our benefit and, we hope, to theirs. I am gratified to report that Doctor Horsfall, Resident Physician during the year 1933-34, was offered an important position in the Hospital of the Rockefeller Institute, New York City. His place was taken by Doctor A. J. Fleming, McGill 1932, who had acted as Assistant Resident under Doctor Horsfall, and before that had spent a year in the Department of Physiology at the University.

Following are statistical statements covering the work of the various sections of the Department for the year 1934 in comparison with 1933.

In conclusion, I wish to thank the Administrative and Nursing Staffs and other Departments of the Hospital for their unfailing co-operation.

Respectfully submitted,

J. C. MEAKINS,

*Physician-in-Chief.*

**TABLE 1**

INDOOR DEPARTMENT				
	1933		1934	
	Patients remaining, Dec. 31st.....	118		121
“ admitted during year.....	2684		2805	
“ discharged during year.....		2681		2819
“ remaining, Dec. 31st.....		121		107
	2802	2802	2926	2926
	Total	% Discharges	Total	% Discharges
Deaths during the year.....	192	7.16	188	6.66
Consultations.....		1014*		806

\*This figure includes consultations between the Sub-Departments of Medicine.

**TABLE 2**

MEDICAL OUT-PATIENT DEPARTMENT						
	1933			1934		
	Old Cases	New Cases	Ratio	Old Cases	New Cases	Ratio
A. 1. Medical Clinic.....	8749	2484	3.52	8223	1970	4.17
2. Cardio-Renal.....	2095	257	8.15	2148	240	8.95
3. Pulmonary Clinic.....	1438	256	5.61	914	159	5.74
4. Gastro-Intestinal.....	3317	339	9.78	2549	264	9.65
5. Asthma Clinic.....	2972	176	16.88	3459	125	27.59
6. Hæmatology.....	382	131	2.91	448	112	4.00
7. Rectal Clinic.....	.....	.....	.....	1591	194	8.20
B. Pædiatric Clinic.....	4951	967	5.12	5095	869	5.86
C. Neurological Clinic.....	4367	397	11.00	4051	256	15.82
D. Dermatological Clinic.....	3337	1006	3.31	2978	801	3.71
E. Metabolism Clinic.....	2294	125	18.35	1875	90	20.83
F. Psychiatric Clinic.....	567	88	6.45	961	136	7.06
G. Rabies Clinic.....	24	15	1.60	.....	.....	.....
H. Thyroid Clinic.....	576	156	3.69	510	135	3.56
Total.....	35069	6397	5.48	34802	5351	6.50
Average.....			5.48			6.50



**TABLE 3**

	Cases	
	1933	1934
	Chemical Determinations.....	19,393
Basal Metabolic Determinations.....	1,647	1,752
Electrocardiograms.....	1,954	1,918
	22,994	22,698

**TABLE 4**

<b>PHYSIO-THERAPY DEPARTMENT</b>		
	Private	Public
Hydro and Electrical Treatments....	2,990	6,298
Massage Treatments.....	396	2,321
Number of Treatments given. ..	3,386	8,619
Department Total.. . . . .	12,005	

*PUBLICATIONS*

Dr. J. C. MEAKINS:

“Canada’s Scattered Population Causes Unequal Distribution of Health Services.”

*Canadian Hospital*, p. 18; Sept., 1933.

“The Early Diagnosis of Carcinoma of the Lung.”

*Can. Med. Assn. Jour.*, 30; pp. 283-285, March, 1934.

(with Dr. RONALD V. CHRISTIE)

“Intrapleural Pressure in Congestive Heart Failure and Its Clinical Significance.”

*Jour. Clin. Invest.*, 13; No. 2, pp. 323-345, March, 1934.

“Symptomatology of Amœbic Dysentery.”

*Bull. d’Hygiene, Montreal, Dept. of Health*, 20; No. 2, Mar.-Apr., 1934.

(with Dr. RONALD V. CHRISTIE)

“Treatment of Emphysema.”

*Jour. Amer. Med. Assn.*, 103; pp. 384-387, Aug. 11, 1934.

"The Mechanism of Heart Failure."

*Modern Concepts of Cardiovascular Disease*, 3; No. 10, Oct., 1934,  
and 3; No. 11, Nov. 1934.

"Dyspnoea" (Clinical lecture at Cleveland Session).

*Jour. Amer. Med. Assn.*, 103: pp. 1442-1445, Nov. 10, 1934.

"Arteriolar Infarction."

*Ann. Int. Med.*, 8: No. 6, pp. 661-668, Dec., 1934.

Dr. MAUDE E. ABBOTT:

"Clinical Lecture on the Differential Diagnosis of Congenital Cardiac Disease."

*International Clinics*, 3: Series 44, p. 15, 1934.

"Osler's Publications, with Special Reference to His Contributions on Heart Disease."

*Can. Med. Assn. Jour.*, 30: p. 556, 1934.

"The Faculty of Medicine of McGill University."

*Surg. Gynæc. and Obst.*, 60: 242-253, Feb. 1935.

Dr. G. R. BROW:

(with Dr. D. V. HOLMAN)

"Electrocardiographic Study During a Paroxysm of Angina Pectoris."

*Amer. Heart Jour.*, 9: No. 2, p. 259, Dec., 1933.

Dr. RONALD V. CHRISTIE:

(with Dr. C. A. McINTOSH)

"The Measurement of the Intrapleural Pressure in Man and Its Significance."

*Jour. Clin. Invest.*, 13: No. 2, pp. 279-293, March, 1934.

"The Elastic Properties of the Emphysematous Lung and Their Clinical Significance."

*Jour. Clin. Invest.*, 13: No. 2, pp. 295-321, March, 1934.

(with Dr. J. C. MEAKINS)

"The Intrapleural Pressure in Congestive Heart Failure and Its Clinical Significance."

*Jour. Clin. Invest.*, 13: No. 2, pp. 323-345, March, 1934.

(with Dr. J. C. MEAKINS)

"Treatment of Emphysema."

*Jour. Amer. Med. Assn.*, 103: pp. 384-387, Aug. 11, 1934.

"The Respiratory and Circulatory Readjustments to Pneumothorax." (Abstract.)

*Trans. Thirteenth Annual Meeting of the National Tuberculosis Assn.*, 1934.

Dr. W. W. EAKIN:

"Gonococcal Endocarditis."

*Can. Med. Assn. Jour.*, 31: No. 3, pp. 269-272, Sept., 1934.

Dr. G. T. EVANS:

"Glycogen Content of the Rat Heart."

*Jour. Physiol.*, 82: No. 4, p. 468, 1934.

Dr. J. FEIGENBAUM:

(with Dr. DAVID HOWAT)

"The Relation Between Physical Constitution and the Incidence of Disease."

*Jour. Clin. Invest.*, 13: No. 1, pp. 121-138, Jan., 1934.

Dr. R. GOTTLIEB:

"Bilirubin Formation and the Reticulo-Endothelial System.  
1. The Kupffer Cells and Their Relation to the Reticulo-Endothelial System."

*Can. Med. Assn. Jour.*, 30: pp. 256-258, 1934.

"Bilirubin Formation and the Reticulo-Endothelial System.  
2. Anatomical Block of the Reticulo-Endothelial System."

*Can. Med. Assn. Jour.*, 30: pp. 365-367, 1934.

"Bilirubin Formation and the Reticulo-Endothelial System.  
3. Functional Block of the Reticulo-Endothelial System."

*Can. Med. Assn. Jour.*, 30: pp. 512-515, 1934.

Dr. GRAHAM ROSS:

"Vitamin A. Deficiency."

*Practitioner's Library of Med. & Surg.*, Vol. 7, 1934.

Dr. D. V. HOLMAN:

(with Dr. G. R. BROW)

"Electrocardiographic Study During a Paroxysm of Angina Pectoris."

*Amer. Heart Jour.*, 9: No. 2, p. 259, Dec., 1933.

Dr. A. KRAKOWER:

"Fecal 'Fat' and Its Relation to Fat in the Diet."

*Amer. Jour. Physiol.*, 107: No. 1, pp. 49-54, Jan., 1934.

"The Blood Pressure of Chinese Living in Eastern Canada."

*Amer. Heart Jour.*, 9: No. 3, p. 396, Feb., 1934.

Dr. L. J. NOTKIN:

"Rumination: With Report of Two Cases."

*Can. Med. Assn. Jour.*, 30: pp. 414-418, 1934.

Dr. W. de M. SCRIVER:

“A Problem in the Diagnosis of Renal Disease.”

*Can. Med. Assn. Jour.*, 30: pp. 295-297, 1934.

(with Dr. E. M. VENNING)

“Observations Upon the Calcium and Phosphorus Metabolism  
in Certain Diseases of Bone.”

*Jour. Clin. Invest.*, 13: No. 1, pp. 139-153, Jan., 1934.

Dr. DAVID SLIGHT:

“Codeine Addiction.”

*Can. Med. Assn. Jour.*, 31: pp. 69-71, Jan., 1935.

Dr. E. M. VENNING:

(with Dr. W. deM. SCRIVER)

“Observations Upon the Calcium and Phosphorus Metabolism  
in Certain Diseases of Bone.”

*Jour. Clin. Invest.*, 13: No. 1, pp. 139-153, Jan., 1934.

# DEPARTMENT OF MEDICINE

## RECORD OF DISEASES

For the Year Ended December 31st, 1934

	Total	Died		Total	Died
Specific infections and general diseases . . . . .	662	56	Nose and accessory sinuses . .	41	
Animal parasites . . . . .	26		Mouth, lips, pharynx, etc. . .	140	1
Metabolism . . . . .	152	9	Jaw, teeth, gums . . . . .	16	
Diseases of infancy . . . . .	79	5	Tongue . . . . .	1	
Physical agents . . . . .	8		Oesophagus . . . . .	8	
Poisonings, intoxications . . . .	97	9	Stomach . . . . .	94	1
Tumours:			Intestines . . . . .	239	3
Benign . . . . .	34	2	Liver and gall-ducts . . . . .	106	1
Malignant . . . . .	108	9	Pancreas . . . . .	1	
Congenital abnormalities . . . .	49	2	Abdomen and peritoneum . . .	44	
General injuries . . . . .	32		Rectum and anus . . . . .	42	
Special skin diseases . . . . .	111		Larynx . . . . .	20	
Circulatory system:			Trachea and bronchi . . . . .	203	5
Arteries . . . . .	339	24	Lungs . . . . .	45	2
Heart . . . . .	406	17	Pleura and mediastinum . . .	63	2
Veins . . . . .	26		Kidney and ureter . . . . .	153	10
Lymphatic system . . . . .	14		Bladder . . . . .	17	
Blood . . . . .	76	4	Urethra . . . . .	3	
Ductless glands:			Male generative organs . . . .	38	
General . . . . .	4		Female generative organs . . .	92	
Pituitary . . . . .	16		Puerperal state . . . . .	18	1
Suprarenal . . . . .	3	1	Anaphylaxis . . . . .	3	
Thymus . . . . .	2		Abnormalities of urine . . . .	4	
Thyroid . . . . .	133	1	Unclassified . . . . .	210	
Diseases of nervous system:			Total discharges 1934 . . . . .	2819	
Brain . . . . .	130	19	Total admissions 1934 . . . . .	2805	
Meninges . . . . .	11	2		14	
Mental affections . . . . .	191	1	No. in Hospital first of year 1934	121	
Miscellaneous . . . . .	39		No. in Hospital end of year 1934	107	
Peripheral nerves . . . . .	48			14	
Spinal cord . . . . .	28		No. of patients cured . . . . .	326	
Myopathies . . . . .	5		No. of patients improved . . . .	1360	
Sympathetic nervous system	5		No. of patients not improved . .	324	
Bones and joints . . . . .	123	2	No. of patients investigated . . .	629	
Eye . . . . .	53		No. of patients died . . . . .	189	
Ear . . . . .	41				

# REPORT OF THE DEPARTMENT OF SURGERY

*For the Year Ended December 31st, 1934.*

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

In presenting the report of the Department of Surgery for the year ending December 31st, 1934, it is hardly necessary to repeat the general remarks which were made in the report of last year. The work has gone on satisfactorily in the Indoor and Outdoor services, and the number of patients attending the special Outdoor Clinics has shown definite increase. These special clinics have certainly justified their existence in so far as skilled service to the patient is concerned, and also as regards the number of patients attending.

In the Indoor Department the total number of operations for the year was 3,546, which is a decrease of 183.

In the Surgical Outdoor Department there were 13,612 visits, representing an increase of 842. The staff remains as before. Reports of the special clinics are appended.

The Sub-Department of Neurosurgery has, of course, disappeared in the new Neurological Institute. Nevertheless the Department of Neurology retains twelve beds, by agreement, in the Surgical Wards, for the treatment particularly of injuries to the nervous system. The work of these beds, naturally, is included in the report of the Neurological Institute.

What was said in last year's report concerning co-operation between various departments of the Hospital might well deserve reiteration. In particular we feel that the assistance of the Bacteriological Department is perhaps insufficiently recognized. The Surgical Department has made increasing use of Dr. Murray's valuable help, and this has been possible not only because of his wide knowledge, but also because of the fact that he has gradually built up for the Hospital work a very fine laboratory. Mention is made of this fact for a particular purpose, which is that, as Chief of this Department, I feel strongly that there is much great need for a revision and investigation of the whole of our equipment and methods in regard to asepsis in operating. It is urged that the Administration apportion certain funds to conduct this investigation. Professor Murray is the proper man to undertake it, but the work is so considerable that it can hardly be done without additional help and additional money.

Dr. Webster returned from this year of study in Germany and England, and assumed the position of Resident in this Department. Dr. Stuart Baxter was granted the Travers Allan Traveling Scholarship for the year 1934-35, and proceeded to Edinburgh, London, and the Continent for post-graduate study.

A list of addresses published by members of the staff during the past year is appended.

The reports of the Sub-Departments of Orthopædics, Anæsthesia and Dentistry follow.

Respectfully submitted,

EDWARD ARCHIBALD, M.D.,  
*Surgeon-in-Chief.*

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PUBLICATIONS BY MEMBERS OF THE  
SURGICAL STAFF

ARCHIBALD, Dr. EDWARD:

“The Technic of Total Unilateral Pneumonectomy.”

*Ann. Surg.*, 1934, Oct.

“Lobectomy for Chronic Non-Tuberculous Suppurative Bronchiectasis.”

*Proc. Interstate Post-graduate Medical Assembly of North America*, 1934.

McEUEEN, Dr. C. S.:

(with Dr. D. L. Thomson)

“The Growth of the Walker Rat Tumour in Young and Old Animals.”

*Brit. Jour. Exper. Path.*, 1934, Vol. XV, p. 224.

(with Dr. H. Selye and Dr. D. L. Thomson)

“The Effect of Malignant Tumours on the Hypophysis.”

*Brit. Jour. Exper. Path.*, 1934, Vol. XV, p. 221.

McINTOSH, Dr. C. A.:

“Intrapleural Pressure in its Clinical Significance.”

*Jour. Chem. Investigation*, 1934, March.

ROSS, Dr. DUDLEY:

(with Dr. C. Mead)

“Mesenteric Cysts.”

*Can. Med. Assn. Jour.*, 1934, March.

SAUNDERS, Dr. F. W.:

"The Modern Trend of Dental Anæsthesia."

*Dom. Dental Jour.*, 1934, Feb.

"Evipal and Avertin in Dental Anæsthesia."

*Dental Cosmos*, 1934, Sept.

TURNER, Dr. W. G.:

"Deformities due to Tuberculosis."

*Health*, 1934, June.

"Deformities due to Disease."

*Report of Internat. Cripple Soc.*, 1934.

### SUB-DEPARTMENT OF ORTHOPÆDICS

The Department has been busy throughout the year with approximately the same attendance in the Outdoor and Indoor services.

Owing to the few cases, we have abandoned our observations on the maggots treatment in osteomyelitis.

Dr. Patterson, as assistant, and Dr. Breitman, as voluntary worker, have been present during the past year.

W. G. TURNER, M.D.

### SUB-DEPARTMENT OF ANÆSTHESIA

Anæsthetics were administered for 5,960 operations during the year 1934. A detailed account is shown in the accompanying table:

	Main Operating Room	Ross Operating Room	Women's Pavilion	Neurological Institute	Eye, Ear, Nose and Throat	Surgery	Ward L.	TOTAL
Nitrous Oxide and Oxygen.....	570	152	302	2	67	170	3	1266
Nitrous Oxide and Ether.....	579	320	515	....	784	....	3	2201
Nitrous Oxide and Chloroform.....	1	....	....	....	....	....	....	1
Ether.....	69	11	3	7	287	43	....	420
Rectal Ether.....	4	....	....	1	....	....	....	5
Avertin.....	158	63	17	13	....	....	1	252
Avertin and Nitrous Oxide.....	126	119	51	....	....	....	....	296
Avertin and Ether.....	76	133	....	37	....	....	....	246
Avertin and Cyclo-propane.....	....	....	1	....	....	....	....	1
Cyclo-propane.....	....	....	10	....	....	....	....	10
Evipan.....	51	8	11	....	....	....	....	70
Spinal.....	874	208	28	1	....	....	81	1192
Total.....	2508	1014	938	61	1138	213	88	5960

W. B. HOWELL, M.D.



*SUB-DEPARTMENT OF DENTISTRY*

This Department has again shown an increase in work accomplished, over the year preceding. Two thousand seven hundred and eight patients were examined, as compared with 2316 in 1933. Patients receiving oral prophylaxis numbered 232. Teeth were removed for 414 and 118 of these received a general anæsthetic. Dentures were supplied for 51 patients, and 7 fractured jaws were treated. One cleft palate obturator and one obturator for a case of rodent ulcer were supplied. In 1933, 9 vulcanite radium carriers were made by this Department, whereas in 1934 we were not called upon to supply a single one.

Dr. E. T. Bourke was a welcome addition to our staff.

Our members have addressed numerous societies, and several articles by them have appeared in various dental journals.

F. W. SAUNDERS, D.D.S.

*REPORT OF THE NEOPLASTIC CLINIC*

The period under review completes the second year of the activities of the Neoplastic Clinic.

During the past year, 141 new cases were entered on our records. Six of these were non-malignant and 135 were malignant. There were 150 separate admissions, including old cases, to the public surgical wards and 404 visits to the Clinic.

Fifty-two patients received radium treatment.

Of the 135 cases of malignant disease, 68 were too advanced for treatment, or received palliative treatment only, and in 67 cases radical cure was undertaken.

The malignant cases for the two years' duration of this Clinic total 269. Of these 109 have died, 60 deaths having been reported in 1934.

Out of a total of 293 cases on our records, we have been unable to trace only 5.

One hundred and twenty-seven follow-up letters and 166 post cards were sent out.

It is as yet too early in the life of the Clinic to venture any opinion as to the results of treatment, which, however, in the course of time, should be apparent.

## Classification of cases:

*Carcinomas*

Skin.....	16
Lip.....	16
Oral cavity, tongue and sinuses.....	8
Oesophagus.....	3
Stomach.....	15
Gall bladder and bile ducts.....	1
Bowel.....	12
Rectum.....	14
Breast.....	22
Lung.....	3
Thyroid.....	3
Miscellaneous.....	5

*Sarcomas*..... 17

135 Malignant cases.

*Benign*

Skin tumor.....	1
Giant cell tumor.....	4
Miscellaneous.....	1

6 Benign cases.

H. L. DAWSON, M.D.

*REPORT OF THE PERIPHERAL VASCULAR CLINIC*

This Clinic has shown a satisfactory increase over the amount of work done in previous years. The preponderance of patients come under the group of varicose veins, with very few new additions to the arterial disease group. The treatment of post-phlebotic complications still presents a problem, but in some cases a fairly satisfactory outcome has been obtained by the use of a modified Kondoleon operation.

MARK KAUFMANN, M.D.

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*REPORT OF THE CLINIC FOR RECTAL AND  
COLONIC DISEASES*

This Clinic has finished its first complete year, with gratifying results. Over 200 new patients were admitted to the Clinic, and the average attendance was about 22. About 80% of the patients with hæmorrhoids applying to the Hospital have been treated in the Clinic by the injection method with success, thus constituting a great saving to both the Hospital and the patient. Many smaller operations have also been done. Dr. Miller, representing the Surgical side, and Dr. William Moffatt the Medical side, are conducting this work, with Dr. Daniels as a voluntary worker.

G. GAVIN MILLER, M.D.

# OPERATIONS IN THE SURGICAL DEPARTMENT

For the year Ended December 31st, 1934

Alimentary System.....	1,725
Cardio-Vascular System.....	21
Lymphatic System.....	29
Ductless Glands.....	53
Muscular System.....	36
Nervous System.....	246
Osseous System.....	590
Respiratory System.....	192
Diseases of the Breast.....	95
Integumentary System.....	297
General Injuries.....	142
Miscellaneous.....	72
Female Genital Organs.....	8
<b>Total.....</b>	<b>3,506</b>
Total number of operations for the year ending December, 1933.....	3,729
Decrease of.....	223

In addition to this general statement the figures which follow have been selected from the general records as indicating the work of the Hospital in certain lines of particular interest.

## NERVOUS SYSTEM:

Craniotomy, Exploration.....	1
"    Removal of Tumour.....	1
"    Partial Removal of Tumour.....	1
"    Drainage of Abscess of Occipital Lobe.....	1
"    Drainage of Abscess of Parietal region.....	2
"    Removal of Subdural Hæmatoma.....	1
"    Aspiration and Cauterization of Cyst.....	1
"    Biopsy.....	1
Osteoplastic Craniotomy, Exploration.....	10
"    "    Removal of Tumour.....	16
"    "    Partial Removal of Tumour.....	2
"    "    Excision of Cicatrix.....	7
"    "    Removal of Subdural Hæmatoma.....	2
"    "    Subtemporal Decompression.....	1
"    "    Amputation of Frontal Lobe.....	1
Subtemporal Craniotomy, Trigeminal Rhizotomy, subtotal..	4
"    "    Decompression.....	8
"    "    "    and Drainage of Extradural Hæmatoma.....	2
"    "    "    and Biopsy.....	1
"    "    Separation of Adhesions.....	1
Myoplastic Subtemporal Craniotomy, Removal of Meningocerebral Cicatrix...	1
"    "    "    Decompression.....	1

**NERVOUS SYSTEM—Continued**

Suboccipital Craniotomy, Exploration.....	4
“ “ Rhizotomy, Trigeminal.....	3
“ “ Removal of Tumour.....	4
“ “ Partial Removal of Tumour.....	2
“ “ Drainage of Subdural Hæmatoma .	1
“ “ Evacuation of Subdural Cyst.....	1
“ “ Removal of Adhesions.....	1
Myoplastic Suboccipital Craniotomy, Removal of Tumour...	3
Plastic Repair of Spina Bifida .....	1
“ “ “ Meningocele .....	1
“ “ “ Meningomylocele.....	1
Laminectomy, Exploration.....	4
“ “ Decompression.....	2
“ “ Spino-thalamic Tract Section.....	1
“ “ Rhizotomy.....	2
Hemilaminectomy.....	1
“ “ Rhizotomy.....	1
“ “ Spino-thalamic Tract Section.....	1
“ “ Separation of Adhesions.....	1
Alcohol Injection of Nerve.....	1
Ventriculography, Occipital Trepanation.....	20
Ventricular Puncture, Occipital Trepanation.....	8
Encephalography.....	48
Subdural Insufflation of Air.....	1
Occipital Trepanation.....	9
“ “ and Biopsy.....	1
“ “ Drainage of Subdural Hæmatoma .....	1
Temporal Trepanation.....	1
“ “ and Biopsy.....	1
“ “ Evacuation of Cyst.....	1
Parietal Trepanation.....	1
Sympathetic Ganglionectomy.....	5
Elevation of Depressed Skull Fracture.....	2
Exploration of Ulnar Nerve.....	2
Nerve Suture.....	.3
Neurexairesis.....	1
Resection of Nerves.....	4
Suture of Lacerated Wound of Scalp.....	15

**Unclassified:**

Plastic Repair of Wound.....	3
Aspiration of Softened Brain.....	2
Reopening of Bone Flap and Removal of Tumour.....	1
“ “ “ “ “ “ “ “ Extradural Hæmatoma.....	2
Reopening of Osteoplastic Flap Craniotomy.....	1
Reopening of Subtemporal Decompression and Section of Posterior Root Fibres.....	1
Reopening of Laminectomy Wound and Further Section of Spino-thalamic Tract.....	1
Incision and Drainage of Cerebellar Abscess.....	2
“ “ “ “ “ “ “ “ Frontal Lobe Abscess.....	4
Excision of Hernia Cerebri.....	1
Exploration of Subdural Space.....	1
Exploration of Discharging Sinus at Site of Operation.....	1

Total..... 246

**THORACIC SURGERY:****Operations in Pulmonary Tuberculosis:**

Thoracotomy and Drainage.....	2
Phrenicectomy.....	26
Phrenicoclasia.....	4
Jacobæus Operation.....	10
Extrapleural Thoracoplasty.....	72
“ “ “ “ for Tuberculous Empyema.....	4
Schede Thoracoplasty for Tuberculous Empyema.....	2
Pneumectomy.....	1

**Operations for Non-Tuberculous Disease:**

Rib Resection with Open Drainage for Acute Empyema.....	26
Thoracotomy with Closed Drainage for Acute Empyema.....	3
Schede Thoracoplasty for Chronic Empyema.....	4
Thoracoscopic Exploration.....	5
Lobectomy for Bronchiectasis.....	5
Incision and Drainage of Abscess of Chest Wall.....	1
“ “ “ “ Suphrenic Abscess.....	5
Excision of Sinus of Chest Wall.....	1
Dilatation of Sinus of Chest Wall.....	1
Excision of Hæmatoma of Chest Wall.....	1
Excision of Hæmatoma of Pleura.....	1
Excision of Cyst of Pleura.....	1
Excision of Subpleural Air Bleb.....	1
Closure of Bronchopleural Fistula.....	1
Plastic Operation on Chest Wall.....	2
Exploration of Rib.....	1
Sternotomy.....	1
Thoracotomy, Exploratory (unclassified).....	5

**Operations for Neoplasms of Chest:**

Pneumectomy for Carcinoma (Attempted).....	1
Excision of Carcinoma of Chest Wall.....	2
Excision of Lipoma of Chest Wall.....	1
Thoracotomy, Exploratory for Carcinoma of Lung.....	2
“ “ “ “ Sarcoma of Lung.....	3
“ “ “ “ Sarcoma of Mediastinum.....	1

**ALIMENTARY SYSTEM:**

Operations on the Stomach.....	82
Operations on the Intestines (a) Small Bowel.....	33
“ “ (b) Large Bowel.....	106
Repair of Hernia.....	250
(Fascial suture used in 115)	
Laparotomy for Various Conditions.....	50

521

**Appendix:**

Appendectomy without Drainage.....	636
“ with Drainage.....	150
Drainage alone of Appendicular Abscess.....	14
“ of Pelvic Abscess.....	5

805

**ALIMENTARY SYSTEM—Continued****Liver, Gall Bladder and Bile Ducts:**

Cholecystectomy . . . . .	86
Cholecystostomy . . . . .	14
Choledochostomy . . . . .	6
Choledochlithotomy . . . . .	3
Cholecystogastrostomy . . . . .	1
Exploration of Common Duct . . . . .	3
Cutting of Sphincter Oddi . . . . .	1
Incision and Drainage of Subhepatic Abscess . . . . .	1

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 115

Other Operations on the Alimentary System . . . . . 284

Total . . . . . 1725

**DUCTLESS GLANDS:**

Operations for various types of Thyroid Disease . . . . . 53

**OSSEOUS SYSTEM:**

Amputations . . . . .	45
Various Operations . . . . .	309

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 354
**Fractures:**

Open Setting of Fractures (Bone-plating—15) . . . . .	31
Closed Setting of Fractures . . . . .	185
(Colles—45; Pott's—10)	
Suturing of Fracture of Patella . . . . .	6
"    "    "    "    Olecranon . . . . .	3
Bone Grafting (Non-union) . . . . .	11

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 236

Total . . . . . 590

# DEPARTMENT OF SURGERY

## RECORD OF DISEASES

For the Year Ended December 31st, 1934

		Total Died				Total Died
Specific infections and general diseases.....	549	18		Ductless glands.....		73
Animal parasites.....	5			Nervous system.....	237	5
Metabolism.....	28			Bones, joints, muscles, etc....	250	2
Diseases of infancy.....	3			Eye and ear:		
Physical agents.....	22	1		Eye.....		12
Poisonings, intoxications....	7			Ear.....		16
Tumours:				Nose and accessory sinuses...		7
Benign (grouped).....	131			Mouth, lips, cheeks, etc.....		17
Malignant:				Jaw, teeth, gums.....		11
Bone.....	24	3		Tongue.....		3
Breast.....	49			Oesophagus.....		5
Buccal cavity.....	35	2		Stomach.....	65	2
Female generative organs	3			Intestines.....	853	30
Male generative organs...	2	1		Liver and gall-ducts:		
Skin.....	20	1		Liver.....		9
Peritoneum, intestines,				Gall-ducts.....	153	2
rectum, etc.....	59	10		Pancreas.....		5
Stomach, liver, etc.....	41	6		Abdomen and peritoneum....	303	10
Regions not elsewhere				Rectum and anus:		
mentioned.....	61	6		Rectum.....		115
Tumours nervous system,				Anus.....		63
benign and malignant.	65	12		Larynx.....		2
Congenital malformations...	34	3		Trachea and bronchi.....		25
General injuries:				Lungs.....		22
Abrasions.....	21			Pleura and mediastinum....		63
Bites of animals.....	3			Kidney and ureter:		
Contusions.....	63			Kidney.....		31
Crush.....	1			Ureter.....		13
Dislocations.....	49			Bladder.....		9
Foreign bodies.....	19			Urethra.....		3
Fractures.....	378	9		Male generative organs....		28
Fractures with dislocations.	16			Female generative organs....		36
Gangrene, traumatic.....	1	1		Puerperal state.....		3
Hæmatoma.....	29	1		Diseases of the breast.....		20
Head injuries:				Anaphylaxis.....		2
Fracture, concussion, etc.	80	2		Abnormalities of urine.....		7
Lacerations, contusions..	43			Unclassified.....	163	1
Rupture, traumatic.....	2					
Separation of epiphysis....	7			Total discharges 1934.....		3901
Severed ligaments, muscles,				Total admissions 1934.....		3869
tendons.....	12					32
Severed nerves.....	4			No. in Hospital first of year 1934		140
Sprains.....	12			No. in Hospital end of year 1934		108
Sprains.....	16					32
Subluxations.....	3			No. of patients cured.....		1448
Wounds (grouped).....	120			No. of patients improved.....		1749
Special skin diseases.....	44			No. of patients not improved...		237
Circulatory system.....	123	3		No. of patients investigated....		331
Lymphatic system.....	40			No. of patients died.....		136
Blood.....	17	1				



# REPORT OF THE DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

October 1st to December 31st, 1934.

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

Inasmuch as the Neurological Institute was formally opened on the 27th of September, 1934, I beg to submit the following report for the Department of Neurology and Neurosurgery for the months of October, November and December. January 1st until October 1st, 1934, the work of this Department is to be found in the reports of the Departments of Surgery and of Medicine as in previous years. This present report, therefore, covers the first three months of the operation of the Neurological Institute and includes statistics of the patients cared for in this Department during that time both in the Royal Victoria Hospital and in the Neurological Institute.

The hospitalization of patients in the Institute has been administered by the Superintendent of the Royal Victoria Hospital and his staff with the result that the care of neurological and neurosurgical patients in both buildings has been co-ordinated in a highly satisfactory manner. There have been admitted 215 patients; 145 being public, 24 semi-private and 46 private. One hundred and fifty-seven operations have been carried out, a list of which will be found below.

It is a pleasure to be able to announce that Dr. Colin Russel has been elected President of the American Neurological Association, the highest honour to be bestowed upon a neurologist on this continent. He has further been elected Vice-President of the International Neurological Congress which is to meet in London in 1935.

During the year Dr. J. Norman Petersen, in addition to his clinical duties, has succeeded Dr. Joseph P. Evans as Registrar of the Department and much of the administration of the Department has been placed in his hands. Both Dr. Donald McEachern and Dr. Haddow Keith have gone to London for a period of advanced study before returning to their work in Montreal. Clinical studies have been continued by various members of the Department on multiple sclerosis, focal epilepsy, post-traumatic headache, brain abscess *et al.*

The X-ray Department of the Neurological Institute has been organized by Dr. C. Brooks so as to co-operate with that department

in the Royal Victoria Hospital. Dr. A. Childe is assisting Dr. Brooks and carrying out research in Röntgenology of the nervous system.

It is with deep regret that I have to record the deaths of two members of our Department: Dr. Wilbur Sprong, who last year was Neuropathological Fellow and would otherwise have become Resident, died at the home of his parents in Los Angeles on November 23rd, 1934. Dr. Robert Harwood, who was carrying out promising chemical studies of multiple sclerosis, died on September 30th, 1934.

Dr. Lyle Gage, having spent four years with us, terminated his service as Resident and accepted a responsible position in the British-American Hospital in Callao, Peru, where he will have charge of the neurosurgical work and share the responsibility for general surgery. He has been succeeded as Resident by Dr. Theodore Erickson.

Dr. Joseph P. Evans has relinquished his position as Registrar and is at present doing neurological research at Cambridge University on a General Education Board Fellowship. Dr. William Grant has succeeded Dr. Wilbur Sprong as Neuropathological Fellow. Dr. Jerzy Chorobski, after three years of work with us in neurological surgery, has returned to his home in Warsaw, Poland, where he has received an appointment in the neurological department of the University of Warsaw in charge of neurological surgery. He thus becomes the first neurosurgeon in Poland. Dr. Arne Torkildsen, after four years of work here in neurological surgery, as interne, externe and fellow, has returned to his home in Oslo, Norway, to begin the practice of neurology, and neurosurgery. Dr. Olan Hyndman, after serving a year as externe, is continuing advanced work in Boston on a Rockefeller Fellowship and will shortly return to the University of Iowa to take charge of neurological surgery at the Iowa University Hospital.

Three surgeons have joined our staff to do advanced work in clinical surgery; Dr. Lorne McConnell of Saskatoon, Dr. J. Sanchez Perez from Madrid, who comes here with a fellowship from the Junta para Ampliacion de Estudios, and Dr. Lister Reid from the University of Melbourne. The following men have joined our staff as research fellows: Dr. Nathan Norcross, Dr. Webb Haymaker, Dr. Isadore Tarlov, Dr. Francis McNaughton and Mr. William Gibson.

Respectfully submitted,

WILDER PENFIELD, M.D.

## PUBLICATIONS

## Dr. PENFIELD:

"Neuropathology of the Brain."

*From The Problem of Mental Disorder, edited by Madison Bentley, McGraw-Hill, N.Y.C., June.*

"The Influence of the Diencephalon and Hypophysis upon General Autonomic Function."

*Can. Med. Assn. Jour. 30: 589-598.*

"Tradition in Medicine".

*Western Journal of Surgery, Obstetrics and Gynecology, April.*

"Surgery in the Treatment of Epilepsy."

*Editorial, Surg., Gynec. and Obstetrics. Vol. 58: 1041.*

"The Training of a Neurologist."

*Arch., Neurol. and Psychiat. 31: 842-844, April.*

"Princeton and Medicine."

*Princeton Alumni Weekly. 34: 34, June.*

"Achievement in Medicine." Address at Convocation, Queen's University.

*The Queen's Review. Vol. 8, No. 6.*

"Les Effets des Spasmes Vasculaires dans l'Epilepsie."

*L'Union Medicale du Canada, December. Read at Congress de Québec.*

## Dr. CONE:

"Lead as a Possible Cause of Multiple Sclerosis."

(Cone, W., Russel, C. K., and Harwood, R. U.)

*Arch., Neurol. and Psychiat. 31: February.*

(See Publication with Grant, W. T.)

## Dr. RUSSEL:

(See Publication with Cone, W. and Harwood, R. U.)

"The Montreal Neurological Institute."

*The McGill News, Vol. 15., No. 4, p. 6.*

"The Syndrome of the Posterior Inferior Cerebellar Artery."

(Russel, C. K., and Stavrakys, George W.)

*Can. Med. Assn. Jour. 30: 358-364.*

## Dr. ELVIDGE:

"The Portal of Entry and Transmission of the Virus of Poliomyelitis." (Elvidge, A. R., and Brodie, Maurice.)

*Science 79: p. 235.*

## Dr. GRANT:

"Graduated Jugular Compression in the Lumbar Manometric Test." (Grant, W. T., and Cone, W.)

*Arch. Neurol. and Psychiat. 32.*

Dr. HARWOOD:

(See Publication with Cone, W., and Russel, C. K.)

“The Microchemical Detection of Lead:” Modification of the Fairhall Method. (Harwood, R. U., and Brophy, D.)

*Jour. of Indust. Hygiene, 16. No. 1, January.*

Dr. SPRONG:

“The Disappearance of Blood from the Cerebrospinal Fluid in Traumatic Subarachnoid Hæmorrhage: The ineffectiveness of repeated lumbar puncture.”

*Surg. Gynæc. and Obstetrics. 58: 705-710, April.*

Dr. TORKILDSEN:

“Gross Anatomy of Lateral Ventricles.”

*Jour. Anat. 68: 480-491. July.*

“Interpretation of Ventriculograms, with special reference to tumours of temporal lobe.” (Torkildsen, A., and Pirie, A. H.)

*Amer. Jour. Ræntgenol. 32: 145-153, August.*

Dr. STAVRAKY:

(See publication with Russell, C. K.)

“The Reversal Effect of Chorda Tympani Stimulation.”

*Journal of Pharmacology and Experimental Therapeutics. Vol. L, No. 1, January.*

DORIS BROPHY:

(See Publication with Harwood, R. U.)

# DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

## ADMISSIONS:

Public.....	145
Semi-private.....	24
Private.....	46
	215
 Deaths .....	15
Echinococcosis with cyst formation.....	1
Leptomeningeal adhesions with internal hydrocephalus.....	1
Medulloblastoma cerebelli.....	1
*Chronic adhesive arachnoiditis with hydrocephalus.....	1
Trigeminal neuralgia and post-operative broncho-pneumonia.	1
Glioblastoma multiforme.....	1
Pneumococcus abscess of temporal lobe.....	1
*Head injury; subarachnoid hæmorrhage and contusion of brain	1
*Head injury; fracture of base of skull and subdural and sub-	
arachnoid hæmorrhage.....	1
Head injury; multiple skull fractures and extradural hæmatomas	1
Head injury; basal skull fracture, acute pneumococcus menin-	
gitis.....	1
*Head injury; fracture of skull, cerebral contusion, subarach-	
noid hæmorrhage, acute alcoholism .....	1
Tuberculous meningitis.....	1
*Cerebral hæmorrhage.....	1
Streptococcus meningitis.....	1

\*Admitted in coma.

# OPERATIONS IN THE DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

October 1st to December 31st, 1934

Craniotomy, drainage of abscess.....	1
Osteoplastic Craniotomy, Exploration and subtemporal decompression	1
“ “ Removal of tumour.....	7
“ “ Partial removal of tumour.....	4
“ “ Reopening, removal of tumour.....	1
“ “ Reopening, partial removal of tumour.....	2
“ “ Removal of blood clot.....	1
Subtemporal Craniotomy, Drainage of subarachnoid space, subtemporal decompression.....	1
“ “ Decompression, removal anterior pole of temporal lobe.....	2
“ “ Removal of tumour.....	1
“ “ Trigeminal rhizotomy, complete.....	2
Myoplastic Subtemporal Craniotomy, Separation of adhesions.....	1
“ “ “ Removal of tumour.....	1
Suboccipital Craniotomy, Exploration.....	1
“ “ Excision of cicatrix.....	1
“ “ Trigeminal rhizotomy, subtotal.....	2
“ “ Reopening, trigeminal rhizotomy.....	1
Myoplastic Suboccipital Craniotomy, Removal of tumour.....	3
“ “ “ Partial removal of tumour.....	2
“ “ “ Separation of adhesions.....	1
“ “ “ Section of glossopharyngeal nerve.....	1
“ “ “ Reopening of temporal wound..	1
Plastic Repair of Meningoencephalocele.....	1
“ “ “ Spina bifida.....	1
“ “ “ “ “ with myelomeningocele.....	2
Laminectomy, Exploration.....	2
“ Partial removal of tumour.....	1
“ Decompression.....	2
“ Drainage of subarachnoid space.....	1
“ Spinal fusion.....	1
“ Separation of adhesions and removal of cartilaginous tissue.....	1
“ Section of nerve roots and fusion.....	1
Ventriculography, Occipital trepanation.....	9
Ventricular puncture, trepanation.....	3
Encephalography.....	70
Arterial Encephalography, Injection of thorostrast.....	3
Occipital Trepanation.....	1
“ “ Intraventricular injection of neutral P.S.P.....	1
Trepanation and Biopsy.....	3
Sympathetic Ganglionectomy.....	1
Elevation Depressed Skull Fracture and evacuation of extradural clot.	1
“ “ “ “ “ and removal of depressed fragments.....	1
Nerve Anastomosis, Facial Hypoglossal.....	1
Exploration of brachial plexus.....	1
Miscellaneous.....	11
Total.....	157

# DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

## CLASSIFICATION OF DISEASES

October 1st to December 31st, 1934

### NERVOUS SYSTEM GENERALLY:

Aplasia (absence) of septum pellucidum.....	1
Encephalomyelitis.....	3
Cerebrospinal syphilis.....	1
General paresis.....	1
Tabes dorsalis.....	2
Multiple sclerosis.....	8
Amyotrophic lateral sclerosis.....	1
Cerebral arteriosclerosis.....	2
Diagnosis deferred.....	2

### MENINGES:

Meningocele.....	2
Chronic adhesive arachnoiditis.....	4
Acute leptomeningitis.....	4
Extradural hæmorrhage, post-traumatic.....	1
Subdural hæmorrhage, post-traumatic.....	1
Subarachnoid hæmorrhage.....	5
Subarachnoid hæmorrhage, post-traumatic.....	12

### BRAIN:

Cerebral atrophy.....	5
Cerebral degeneration.....	1
Abscess.....	2
Encephalopathy, chronic.....	2
“ post-infectional.....	1
“ due to lead.....	1
Multiple tuberculomata.....	1
Dystonia musculorum.....	1

### Paroxysmal disorders:

Epilepsy, petit mal, non-focal.....	3
“ grand mal, non-focal.....	15
“ combined grand mal and petit mal, non-focal... ..	5
“ due to congenital syphilis.....	1
“ post-traumatic, focal cortical seizures.....	1
“ focal cortical seizures, motor.....	6
Narcolepsy.....	1
Cerebral thrombosis.....	3
Cerebral hæmorrhage.....	2
Hydrocephalus.....	3
Cephalalgia.....	2
Encephalocele.....	1
Echinococcosis with cyst formation.....	1

### SPINAL CORD:

Myelomeningocele.....	1
Compression of spinal cord.....	3
Myelitis.....	2
Cyst of cauda equina.....	1
Dorso-lateral sclerosis.....	1
Adhesions, cauda equina.....	1

**PERIPHERAL NERVES:**

Toxic amblyopia.....	2
Trigeminal neuralgia.....	7
Trigeminal anæsthesia and hypalgesia.....	1
Glossopharyngeal neuralgia.....	1
Laryngeal paralysis.....	1
Ulnar nerve paralysis, traumatic.....	1
Multiple neuritis.....	2

**TUMORS:**

Meningeal fibroblastoma.....	1
Perineurial fibroblastoma.....	3
Chromophobe adenoma of the pituitary.....	1
Fibro-epithelioma hypophyseal duct.....	1
Pinealoma.....	1
Astrocytoma.....	5
Ependymoma.....	1
Glioblastoma multiforme.....	5
Medulloblastoma.....	2
Oligodendroglioma.....	2
Spongioblastoma polare.....	1
Glioma.....	5
Intramedullary glioma of cord.....	1
Neuroma.....	1
Tumor suspect.....	1
Metastatic carcinoma of brain.....	1

**TRAUMA:**

Cerebral concussion..	16
Cerebral contusion.....	5
Fracture of skull.....	9
Fracture of vertebral column.....	1
Dislocation of vertebra.....	1
Other fractures.....	9
Lacerations.....	12
Contusions.....	6
Abrasions.....	5
Hæmatoma.....	3
Avulsion cervical roots.....	1
Gunshot wound left antrum.....	1
Foreign body in orbit.....	1
Post-traumatic syndrome, headache and dizziness.....	3
Transverse section of spinal cord.....	1

**AUTONOMIC NERVOUS SYSTEM:**

Vasomotor instability.....	1
Vagotonia.....	2
Hypoglycemia.....	2
Causalgia.....	2

**MISCELLANEOUS:**

Facio-scapulo-humeral muscular dystrophy.....	1
Flaccid paralysis, right leg.....	1
Atrophy left shoulder, cause unknown.....	1
Spina bifida.....	4
Cranium bifidum.....	1
Foreign body between 4th and 5th lumbar vertebræ.....	1
Dislocation nucleus pulposus.....	1
Tuberculosis of vertebra (Pott's disease).....	1



**MENTAL DISEASES:**

Alcohol addiction, periodic.....	4
Ethyl alcohol poisoning, acute.....	1
Psychoneurosis .....	3
"    neurasthenic type.....	10
"    hysterical type.....	2
Compulsive state, facial tic.....	1
Simple depression.....	1
Manic depressive psychosis.....	1
"    "    "    depressed type.....	2
"    "    "    manic type.....	1
Schizophrenia.....	3
"    paranoid type.....	2
Delirium, unknown origin.....	1

**OTHER SYSTEMS:**

For examination only.....	1
Diffuse tuberculosis.....	1
General arteriosclerosis.....	2
Arteriosclerotic heart disease.....	1
Hypertensive cardio-vascular disease.....	2
Syphilitic aortitis.....	1
Bradycardia.....	1
Thrombo-angiitis obliterans.....	1
Carcinoma of lung.....	1
Bronchopneumonia.....	5
Pulmonary tuberculosis.....	1
Massive collapse of lung.....	1
Pleurisy, allergic.....	1
Secondary anemia.....	1
Thrombocytopenic purpura.....	1
Lymphogranulomatosis (Hodgkin's disease).....	1
Carcinoma colon.....	1
Carcinoma liver.....	1
Carcinoma tongue.....	1
Cirrhosis of liver.....	1
Sinus in perineum.....	1
Diabetes mellitus.....	1
Non-toxic nodular goitre.....	3
Pluriglandular syndrome.....	1
Infected scalp wound.....	2
Dermatitis venenata.....	1
Myositis.....	2
Infectious arthritis.....	1
Sacro-iliac arthritis.....	1
Metastatic carcinoma, pelvis and femur.....	1
Acute conjunctivitis.....	1
Acute suppurative otitis media.....	1
Chronic suppurative otitis media.....	3
Acute mastoiditis.....	1
Purulent paranasal sinusitis.....	1

# REPORT OF THE DEPARTMENT OF OBSTETRICS AND GYNÆCOLOGY

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*For the Year Ended December 31st, 1934.*

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To the BOARD OF GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

The annual report of the Department of Obstetrics and Gynæcology will show for the year many notable features.

The continued and progressive lowering of the Maternal death rate.

The low post-operative death rate.

The improvement in results of the treatment of Cancer of the Cervix.

The value of an isolation unit in the Hospital as a contributory factor in the improvement in results.

During the year the Hospital has handled a greater volume of emergent obstetrical cases than ever before and is thereby contributing to the community in general an even greater service than in the past.

Respectfully submitted,

JOHN R. FRASER,  
*Obstetrician and  
Gynaecologist-in-Chief.*

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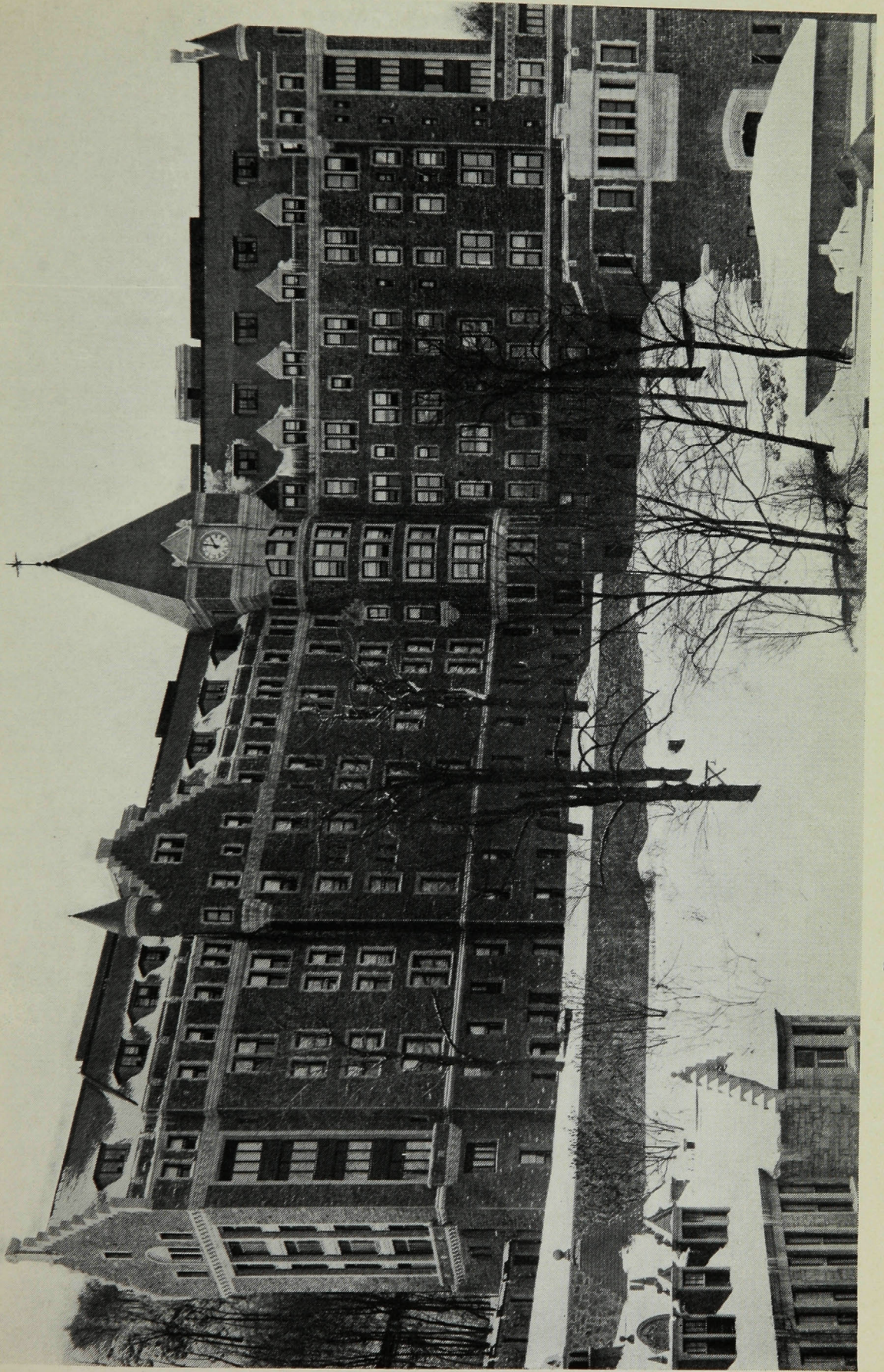
## OBSTETRICAL AND GYNÆCOLOGICAL REPORT

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**For the Year Ended December 31st, 1934**

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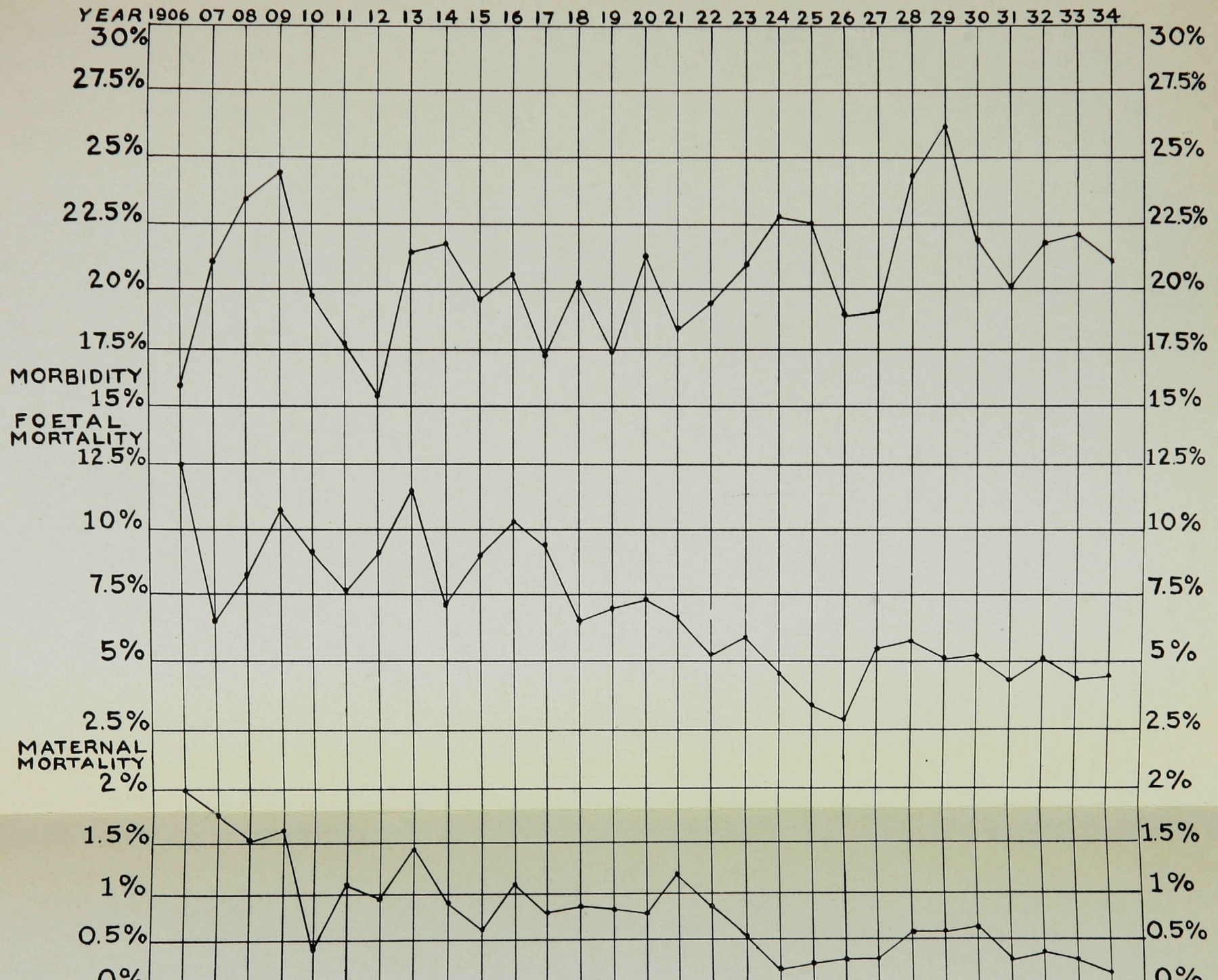
Deliveries in Hospital . . . . .	1,962
Deliveries at home . . . . .	500
Maternal Mortality . . . . .	0.25%
Combined Foetal Mortality . . . . .	4.09%
Gynæcological operations . . . . .	1,253
Post-operative Mortality . . . . .	0.52%



ROYAL VICTORIA—MONTREAL MATERNITY PAVILION



# THE ROYAL VICTORIA MATERNITY HOSPITAL 1934





# OBSTETRICAL REPORT

For the Year Ended December 31st, 1934

## ROYAL VICTORIA MONTREAL MATERNITY

Total Number of Admissions.....	2179
Total Number of Confinements (2 B. Numbers)....	1962
Total Number of Discharges.....	2181
*Morbidity (Hospital Cases).....	21.1%
Mortality (Hospital Cases):	
Maternal.....	.25%
Foetal.....	4.79%

### PATIENTS TRANSFERRED TO OTHER SERVICES

No.	Ward	Diagnosis	Condition on Discharge
18940	N.(baby)	Cerebral Hæmorrhage . . . . .	Died.
19934	K.	Nephritis.....	Died.
20073	Gyn.	Hydramnios—Twins.....	Cured.
19464	Gyn.	Abdominal Pregnancy (dead-born baby)....	Cured.
20280	M.(baby)	G. C. Ophthalmia.....	Cured.
20417	E.	Ischio-Rectal Abscess.....	Improved.
20533	Gyn.	Acute Toxæmia—Transferred to Gyn. for Therapeutic Abortion. . . . .	Improved.
18727	Gyn.	Chronic Nephritis—Transferred to Gyn. for Therapeutic Abortion.. . . .	Improved.
19015	N.(baby)	Vomiting.....	Not Improved.
18905	Gyn.	Mitral Stenosis—Transferred to Gyn. for Therapeutic Abortion. . . . .	Improved.
19760	N.(baby)	Cleft Palate. . . . .	Improved.
19764	B.	Cardiac decompensation, not pregnant. . . . .	Improved.
19739	N.(baby)	Cleft Palate, Hare Lip, Spina Bifida. . . . .	Cured.
18476	Gyn.	Carcinoma Cervix—Transferred to Gyn. for Cæsarean Section . . . . .	Improved.
18357	E.	Pyo-Pneumothorax. . . . .	Improved.
18600	E.	Post-Partum Breast Abscess. . . . .	Improved.
18591	Gyn.	Ante-Partum Toxæmia—Transferred to Gyn. for Therapeutic Abortion and Sterilization.	Improved.
18697	E.	Peritonitis.....	Died.
18524	M.	Acute Tonsilitis and Laryngitis—Miliary Tuberculosis.....	Died.

\*A single rise in temperature to 100.6° (after the first twenty-four hours) classes the case as morbid.

### MATERNAL MORTALITY

#### 19024 Puerperal Septicæmia.

Para I, and a known chronic nephritic. Admitted and treated for developing toxæmia. Labour induced by bougie and later by artificial rupture of the membranes. Delivered of a dead-born foetus. Immediately post-partum, intermittent fever occurred and the urinary output markedly diminished. Jaundice appeared and gradually became more pronounced. Blood culture showed streptococcus hæmolyticus. Patient died tenth day post-partum.

#### 20063 Abdominal Pregnancy with Septicæmia.

A primipara who had been seen frequently during pregnancy was admitted at eight months having a high fever and slight vaginal bleeding. A diagnosis of abdominal pregnancy was made. Cœliotomy was performed and a dead foetus removed. The amniotic cavity contained foul-smelling infected fluid. This fluid and also the blood revealed a culture of colon bacilli. The patient died forty-eight hours post-partum.

#### 19013 Post-Partum Hæmorrhage.

Para VI. Admitted in strong labour and delivered spontaneously of a healthy child. Blood loss amounted to 800 ccs. before the placenta separated and was expressed. A very slight blood loss occurred during the subsequent fourteen hours, when the hæmorrhage became more pronounced and a clot of 500 ccs. was expressed. The patient showed marked signs of blood loss and during the administration of a blood transfusion, she died.

#### 19127 Post-Operative Hæmorrhage.

A primipara, 43 years, and having multiple fibromyomata uteri in association with a generally contracted pelvis. A Porro Cæsarean was done at term. Toward the end of the operation, a fairly marked hæmorrhage occurred and the patient went into a state of severe shock. She did not respond to a blood transfusion, or to stimulants and she died shortly after the completion of the operation.

#### 18480 Ruptured Heart.

Para XIV. Very obese and a treated luetic. She was admitted for pre-eclamptic toxæmia. After a labour of forty-eight hours, she had a spontaneous delivery. The placenta was adherent and after two hours was manually removed with moderate blood loss. The uterine cavity was packed. Seven hours post-partum, she went into acute shock and died almost immediately.

Autopsy examination revealed a ruptured right ventricle and marked hæmorrhage into the pericardial sac.

### INFANTILE MORTALITY

Total number of Fœtal Deaths.....	94
Full Term.....	47
Premature (28 weeks).....	47
Infantile Mortality for the year 1934.....	4.79%



**INFANTILE MORTALITY—Continued**

<b>Full Term</b>		
Total number.....		47
Born Dead.....	26	
Died Ante-Partum.....	8	
Died Intra-Partum.....	18	
Still-Born.....	9	
Died Post-Partum.....	12	
	47	
<b>Premature (28 weeks)</b>		
Total number.....		47
Born Dead.....	25	
Died Ante-Partum.....	14	
Died Intra-Partum.....	11	
Still-Born.....	2	
Died Post-Partum.....	20	
	47	
In addition to these:—		
Non-Viable Deaths (6½ months and under).....		25

<b>Full Term</b>		
Total number.....		47
<b>Born Dead (Died Ante-Partum)</b> .....	8	
Maternal Toxæmia.....	6	
Foetal Asphyxia.....	4	
Generalized Anasarca.....	1	
Retro Placental Hæmorrhage.....	1	
Abnormalities.....	2	
Anencephalus.....	2	
<b>Born Dead (Died Intra-Partum)</b> .....	18	
Trauma of Labour.....	15	
Craniotomy (over term).....	1	
Coils of Cord.....	1	
Foetal Asphyxia.....	3	
Foetal Atelectasis.....	1	
Intra-Cranial Hæmorrhage.....	3	
Placenta Prævia.....	1	
Prolapsed Arm.....	1	
Prolapsed Cord.....	4	
Maternal Toxæmia.....	2	
Foetal Asphyxia.....	2	
Abnormality.....	1	
Hydrocephalus.....	1	
<b>Still-Born</b> .....		9
Trauma of Labour.....	6	
Difficult Extraction.....	1	
Intra-Cranial Hæmorrhage.....	2	
Intra-Uterine Asphyxia.....	2	
Prolonged Labour.....	1	

INFANTILE MORTALITY—*Continued*

Abnormalities.....	3	
Anencephalus.....	2	
Hydrocephalus.....	1	
<b>Died Post-Partum.....</b>		<b>12</b>
Trauma of Labour.....	5	
Foetal Atelectasis.....	1	
Intra-Cranial Hæmorrhage.....	3	
Prolonged Labour.....	1	
Maternal Toxæmia.....	1	
Icterus Gravis.....	1	
Abnormalities.....	4	
Congenital Heart.....	3	
Microcephalus.....	1	
Miscellaneous.....	2	
Congenital Syphilis.....	1	
Naso-Pharyngitis (with Meningitis).....	1	
<b>Premature (28 weeks)</b>		
Total number.....		<b>47</b>
<b>Born Dead (Died Ante-Partum).....</b>		<b>14</b>
Maternal Toxæmia.....	11	
Foetal Asphyxia.....	2	
Prematurity.....	4	
Retro-Placental Hæmorrhage.....	5	
Abnormality.....	1	
Anencephalus.....	1	
Miscellaneous.....	2	
Abdominal Pregnancy.....	1	
Placenta Prævia.....	1	
<b>Born Dead (Died (Intra-Partum).....</b>		<b>11</b>
Trauma of Labour.....	6	
Impacted Transverse.....	1	
Prolapsed Cord.....	5	
Maternal Toxæmia.....	4	
Foetal Asphyxia.....	1	
Prematurity.....	2	
Retro-Placental Hæmorrhage.....	1	
Abnormality.....	1	
Hydrocephalus (Craniotomy).....	1	
<b>Still-Born.....</b>		<b>2</b>
Trauma of Labour.....	1	
Intra-Cranial Hæmorrhage.....	1	
Maternal Toxæmia.....	1	
Prematurity.....	1	
<b>Died Post-Partum.....</b>		<b>20</b>
Trauma of Labour.....	6	
Foetal Atelectasis.....	3	
Intra-Cranial Hæmorrhage.....	2	
Prematurity.....	1	

**INFANTILE MORTALITY—Continued**

Maternal Toxæmia.....	7
Prematurity.....	7
Abnormality.....	1
Patent Ductus Arteriosus.....	1
Miscellaneous.....	6
Broncho-Pneumonia.....	2
Foetal Atelectasis.....	2
Placenta Prævia.....	1
Prematurity.....	1

**OBSTETRICAL MORBIDITY**

Breast.....	57	
Intra-Uterine Infection.....	270	
Pyelitis and Cystitis.....	31	
Single Rise.....	19	
Pelvic Peritonitis.....	3	
Deaths.....	5	
Doubtful.....	5	
Phlebitis.....	10	
Miscellaneous.....	14	
	—	414
Total Deliveries.....	1960	

\*Morbidity Rate:  
R.V.H. Standard.....21.1%

\*A single rise in temperature to 100.6° (after the first twenty-four hours) till discharge classes the case as morbid.

**SUMMARY OF OBSTETRICAL OPERATIONS—1934**

**LOW FORCEPS**

Foetal distress.....	62	
Perineal dystocia.....	90	
Elective.....	60	
Maternal Exhaustion.....	7	
Maternal Toxæmia.....	6	
Maternal Cardiac Disease.....	1	
Maternal Bronchitis.....	1	
Contracted Outlet.....	3	
	—	230
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	6	

**MID FORCEPS**

Foetal distress.....	36	
Failure to Rotate.....	62	
Lack of Descent.....	28	
Maternal Exhaustion.....	22	
Elective.....	14	
Uterine Inertia.....	5	
Maternal Toxæmia.....	2	
Brow Presentation.....	2	
	—	171
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	12	

**SUMMARY OF OBSTETRICAL OPERATIONS—Continued****HIGH FORCEPS**

Foetal Distress.....	1	
Persistent Posterior.....	2	
Lack of Descent.....	1	
Uterine Inertia.....	1	
	—	5
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	0	

**FORCEPS ON AFTERCOMING HEAD**

Breech Extraction.....	6	
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	0	

**CÆSAREAN SECTION****(Low Cervical)****(With Sterilization)**

Contracted Pelves.....	4	
Maternal Toxæmia.....	2	
Cardiac Disease.....	1	
	—	7
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	1	

**CÆSAREAN SECTION****(Low Cervical)****(Without Sterilization)**

Contracted Pelves.....	10	
Disproportion.....	6	
Maternal Toxæmia.....	2	
Placenta Prævia.....	2	
Ovarian Cyst (removed).....	1	
Previous Injury to Coccyx.....	1	
Maternal Exhaustion.....	1	
Atresia of Vagina.....	1	
Elective.....	1	
	—	25
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	1	

**SUMMARY OF OBSTETRICAL OPERATIONS—Continued**

**CÆSAREAN SECTION  
(Classical)  
(With Sterilization)**

Contracted Pelves.....	4	
Disproportion.....	1	
Maternal Cardiac Disease.....	3	
Previous Cæsarean Section.....	3	
High Amputation of Cervix.....	1	
Placenta Prævia.....	1	
Sterilization.....	2	
Poliomyelitis as a child.....	1	
Ischio-Rectal Abscess, T.B.C.....	1	
	—	17
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	1	

**CÆSAREAN SECTION  
(Classical)  
(Without Sterilization)**

Contracted Pelves.....	7	
Maternal Toxæmia.....	2	
Cardiac.....	1	
Pyelitis.....	1	
Carcinoma of Cervix.....	1	
Pelvic Kidney.....	1	
Previous Cæsarean Section.....	1	
Placenta Prævia.....	1	
Elective.....	2	
	—	17
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	0	

**CÆSAREAN SECTION  
(Porro)**

Contracted Pelves.....	2	
Placenta Prævia.....	1	
Maternal Toxæmia, Ovarian Cyst, Simple (re- moved).....	1	
Prolapsed Arm, Dead Baby.....	1	
Impacted Transverse Presentation.....	1	
Previous Amputation of Cervix.....	1	
	—	7
<b>RESULTS:</b>		
Mothers died.....	1	
Children died.....	3	

**SUMMARY OF OBSTETRICAL OPERATIONS—Continued**

**INDUCTION OF LABOUR**

Medical Induction..... 174

**BAG INDUCTION**

Pre-Eclampsia.....	24	
Eclampsia.....	2	
Chronic Nephritis.....	2	
Contracted Pelves.....	7	
Pyelitis.....	2	
Placenta Prævia.....	3	
Uterine Inertia.....	2	
Accidental Hæmorrhage.....	1	
Cardiac Disease.....	1	
Vomiting of Pregnancy.....	1	
	—	45
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	16	

**BOUGIE INDUCTION**

Pre-Eclampsia.....	6	
Contracted Pelves.....	2	
	—	8
<b>RESULTS:</b>		
Mothers died.....	1	
Children died.....	2	

**CRANIOTOMY**

Hydrocephalus.....	3	
Disproportion with dead baby.....	1	
	—	4
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	4	

**MANUAL REMOVAL OF PLACENTA**

Retained Placenta.....	5	
Adherent Placenta.....	11	
Placenta Accreta.....	1	
	—	17
<b>RESULTS:</b>		
Mothers died.....	1	
Children died.....	5	

**SUMMARY OF OBSTETRICAL OPERATIONS—Continued**

**VERSION AND EXTRACTION**

Transverse Presentation.....	2	
Twins.....	1	
Large Floating Head.....	1	
Hydrocephalus.....	1	
Contracted Pelvis.....	1	
Arm and Cord Presentation.....	1	
Prolapsed Arm.....	1	
	—	8
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	4	

**COMPLETE TEAR**

Spontaneous Delivery.....	4	
Low Forceps.....	1	
Mid Forceps.....	3	
	—	8
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	1	

**BREECH EXTRACTION**

Normal Extraction.....	77	
Forceps on After Coming Head.....	6	
Medical Induction.....	6	
Rupture of Membranes Induction.....	3	
Bag Induction.....	2	
Craniotomy.....	1	
Hook Extraction.....	1	
Internal Pinard.....	1	
Version and Extraction.....	1	
	—	98
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	18	

**COMPLICATIONS OF PREGNANCY**

<b>CARDIAC CONDITIONS.....</b>		30
LABOUR SPONTANEOUS.....	19	
LABOUR INDUCED.....	7	
CÆSAREAN SECTION.....	3	
MEDICAL INDUCTION.....	5	
<b>RESULTS:</b>		
Mothers died.....	0	
Children died.....	0	

Nos. 18786, 19637, 19839, 20365, 20483.

**CARDIAC CONDITIONS—Continued**

RUPTURE OF MEMBRANES INDUCTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	1
No. 19972.	
BAG INDUCTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	1
SPONTANEOUS DELIVERY.....	18
RESULTS:	
Mothers died.....	1
Children died.....	3
Nos. 18415, 18268, 18688, 18753, 18868, 18989, 18822, 18966, 19201, 19281, 19441, 19547, 19902, 19852, 20328, 20454, 20496, 20518.	
LOW AND MID FORCEPS.....	4
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 18485, 19336, 19739, 20483.	
CÆSAREAN SECTION.....	3
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 19886, 19834, 18814.	
NOT CONFINED.....	9
RESULTS:	
Mothers all improved but two.	

**TOXÆMIA OF PREGNANCY**

<b>PRE-ECLAMPSIA.....</b>	<b>258</b>
LABOUR SPONTANEOUS.....	145
LABOUR INDUCED.....	100
CÆSAREAN SECTION.....	13
<hr/>	
MEDICAL INDUCTION.....	34
RESULTS:	
Mothers died.....	0
Children died.....	2
Nos. 18484, 18441, 18522, 18786, 18754, 18691, 18933, 19859, 19165, 19133, 19043, 19045, 18990, 19155, 19246, 19288, 19361, 19583, 19719, 19890, 19925, 19994, 19963, 20031, 20331, 20287, 20256, 20389, 20501, 20459, 20538, 20549, 20508, 20525.	



**TOXÆMIA OF PREGNANCY—Continued**

RUPTURE OF MEMBRANES INDUCTION.....	38
RESULTS:	
Mothers died.....	0
Children died.....	4
Nos. 18483, 18409, 18587, 18573, 18586, 18713, 18897, 19106, 19008, 19187, 19377, 19340, 19338, 19379, 19460, 19428, 19363, 19730, 19634, 19832, 19857, 19844, 19855, 19851, 19927, 19930, 19945, 19966, 19739, 20038, 20236, 20330, 20168, 20305, 20415, 20392, 20474, 19063.	
BAG AND BOGIE INDUCTION.....	28
RESULTS:	
Mothers died.....	1
Children died.....	7
Nos. 18475, 18473, 18516, 18493, 18558, 18649, 18969, 19024, 19387, 19490, 19802, 19721, 19844, 19523, 19945, 20137, 20347, 20286, 20409, 20419, 20369, 20333, 20461, 20296, 20511, 20468, 20527, 18544.	
SPONTANEOUS DELIVERY.....	110
RESULTS:	
Mothers died.....	2
Children died.....	9
Nos. 18482, 18522, 18451, 18480, 18417, 18492, 18647, 18629, 18604, 18581, 18697, 18665, 18655, 18476, 18708, 18769, 18789, 18728, 18862, 18802, 18894, 18906, 18931, 18922, 19013, 18953, 18794, 18916, 19069, 19097, 18977, 19028, 19070, 19128, 19137, 19157, 19139, 19084, 19071, 19108, 19147, 19216, 19205, 19222, 19223, 19305, 19323, 19241, 19291, 19404, 19391, 19331, 19343, 19405, 19488, 19413, 19473, 19591, 19541, 19619, 19664, 19649, 19678, 19642, 19728, 19754, 19735, 19669, 19911, 19863, 19866, 19983, 19933, 20153, 19945, 20143, 20095, 20116, 20162, 20205, 20126, 20124, 20109, 20077, 20160, 20336, 20241, 20244, 20298, 20242, 20180, 20301, 20212, 20304, 20157, 20240, 20382, 20276, 20421, 20402, 20374, 20475, 20413, 20422, 20425, 20557, 20574, 20568, 20568, 20522, 20535.	
BREECH EXTRACTION.....	14
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 18451, 18647, 18573, 18649, 18746, 18862, 19084, 19187, 19223, 19413, 19866, 20178, 20516, 18691.	
LOW AND MID FORCEPS.....	53
RESULTS:	
Mothers died.....	0
Children died.....	4
Nos. 18429, 18536, 18389, 18544, 18493, 18453, 18583, 18845, 18893, 18835, 18794, 19156, 18995, 19053, 18954, 19143, 19188, 19259, 19334, 19466, 19420, 19415, 19524, 19546, 19589, 19630, 19622, 19702, 19666, 19634, 19710, 19857, 19945, 19739, 19963, 20044, 20170, 20119, 20347, 20253, 20330, 20388, 20305, 20300, 20256, 20409, 20389, 20385, 20333, 20474, 20511, 20538, 10561.	
HIGH FORCEPS.....	2
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 18571, 18483.	

**TOXÆMIA OF PREGNANCY—Continued**

CÆSAREAN SECTION.....	13
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 18427, 18457, 19014, 18991, 19085, 19329, 19560, 19629, 19611, 19523, 19935, 20063, 20046.	
CRANIOTOMY.....	2
RESULTS:	
Mothers died.....	0
Children died.....	2
Nos. 18473, 20516.	
NOT CONFINED.....	33
RESULTS: Mothers all improved, save one.	
Nos. 18550, 18474, 18630, 19591, 19044, 19109, 19092, 19210, 19233, 19252, 19098, 19768, 19577, 19738, 19807, 19898, 20021, 20005, 20000, 20042, 20165, 20169, 20233, 20338, 20460, 20458, 20521, 20470, 20469, 20509, 20440, 20608, 20533.	
<b>ECLAMPSIA.....</b>	<b>6</b>
LABOUR SPONTANEOUS.....	3
LABOUR INDUCED.....	3
MEDICAL INDUCTION.....	0
RUPTURE OF MEMBRANES INDUCTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	1
No. 19335.	
BAG INDUCTION.....	2
RESULTS:	
Mothers died.....	0
Children died.....	2
Nos. 19184, 19805.	
SPONTANEOUS DELIVERY.....	1
RESULTS:	
Mothers died.....	0
Children died.....	0
No. 18817.	
BREECH EXTRACTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	0
No. 20513.	
LOW FORCEPS.....	2
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 18672, 19335.	

**TOXÆMIA OF PREGNANCY—Continued**

<b>CHRONIC NEPHRITIS</b> .....	21
LABOUR SPONTANEOUS.....	7
LABOUR INDUCED.....	10
CÆSAREAN SECTION.....	3
—————	
MEDICAL INDUCTION.....	4
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 19027, 19219, 20224, 20291.	
RUPTURE OF MEMBRANES INDUCTION.....	4
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 19100, 19257, 19897, 20002.	
BAG INDUCTION.....	2
RESULTS:	
Mothers died.....	0
Children died.....	2
Nos. 18683, 19359.	
SPONTANEOUS DELIVERY..	6
RESULTS:	
Mothers died.....	0
Children died.....	2
Nos. 18709, 18941, 18871, 19785, 19878, 20177.	
BREECH EXTRACTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	0
No. 18941.	
LOW AND MID FORCEPS.....	2
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 19335, 20291.	
HIGH FORCEPS.....	1
RESULTS:	
Mothers died.....	0
Children died.....	0
No. 20002.	
CÆSAREAN SECTION.....	3
RESULTS:	
Mothers died.....	0
Children died.....	2
Nos. 19606, 20111, 18768.	

**TOXÆMIA OF PREGNANCY—Continued**

VERSION AND EXTRACTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	1
No. 18858.	
NOT CONFINED.....	5
RESULTS:	
Mothers improved.....	2
Mothers transferred to Gynæcology.....	3
Nos. 18727, 19154, 19350, 20020, 20373.	
<b>VOMITING OF PREGNANCY.....</b>	<b>6</b>
LABOUR SPONTANEOUS.....	2
LABOUR INDUCED.....	1
MEDICAL INDUCTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	0
No. 18761.	
SPONTANEOUS DELIVERY.....	2
RESULTS:	
Mothers died.....	1
Children died.....	1
Nos. 18867, 18872.	
NOT CONFINED.....	3
RESULTS: Mothers all improved.	
Nos. 18830, 18563, 20476.	

**HÆMORRHAGE**

<b>PLACENTA PRÆVIA CENTRALIS.....</b>	<b>0</b>
<b>PLACENTA PRÆVIA LATERALIS.....</b>	<b>3</b>
LABOUR INDUCED.....	2
CÆSAREAN SECTION.....	1
RUPTURE OF MEMBRANES INDUCTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	1
No. 19756.	
BAG INDUCTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	1
No. 18475.	
CÆSAREAN SECTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	0
No. 18457.	

<b>PLACENTA PRÆVIA MARGINALIS</b> .....	25
LABOUR SPONTANEOUS. ....	10
LABOUR INDUCED.....	11
CÆSAREAN SECTION.....	4
MEDICAL INDUCTION. . . . .	2
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 19378, 19900.	
RUPTURE OF MEMBRANES INDUCTION.....	6
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 19277, 19748, 19961, 20110, 20254, 20351.	
BAG INDUCTION.....	3
RESULTS:	
Mothers died.....	0
Children died.....	2
Nos. 19567, 19775, 20266.	
SPONTANEOUS DELIVERY.....	9
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 18515, 18840, 19144, 19367, 19688, 19949, 19977, 20200, 20357.	
LOW AND MID FORCEPS. ....	2
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 19182, 19748.	
CÆSAREAN SECTION.....	4
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 18926, 19039, 19439, 20159.	
 <b>RETRO-PLACENTAL HÆMORRHAGE (Toxic)</b> .....	 13
LABOUR SPONTANEOUS. ....	7
LABOUR INDUCED.....	5
RUPTURE OF MEMBRANES INDUCTION.....	5
RESULTS:	
Mothers died.....	0
Children died.....	4
Nos. 19119, 19927, 19851, 19972, 19897.	

**RETRO-PLACENTAL HÆMORRHAGE (Toxic)—Continued**

SPONTANEOUS DELIVERY .....	6
RESULTS:	
Mothers died .....	0
Children died .....	5
Nos. 18941, 18906, 18897, 18916, 18966.	
BREECH EXTRACTION .....	2
RESULTS:	
Mothers died .....	0
Children died .....	1
Nos. 18812, 19972.	

**RETRO-PLACENTAL HÆMORRHAGE (Non-Toxic) .....** 6

LABOUR SPONTANEOUS .....	4
LABOUR INDUCED .....	2
<hr/>	
RUPTURE OF MEMBRANES .....	1
RESULTS:	
Mothers died .....	0
Children died .....	0
No. 19817.	
BAG INDUCTION .....	1
RESULTS:	
Mothers died .....	0
Children died .....	1
No. 20528.	
SPONTANEOUS DELIVERY .....	3
RESULTS:	
Mothers died .....	0
Children died .....	0
Nos. 18395, 18766, 18732.	
MID FORCEPS .....	1
RESULTS:	
Mothers died .....	0
Children died .....	0
No. 19472.	

**ANTE-PARTUM HÆMORRHAGE (Not Confined) .....** 10

RESULTS: Mothers all improved.  
 Nos. 18511, 18512, 18538, 18630, 19020, 19207, 19382, 19438, 20014, 20523.

<b>POST-PARTUM HÆMORRHAGE</b> .....	23
SPONTANEOUS DELIVERY .....	13
RESULTS:	
Mothers died .....	1
Children died .....	0
Nos. 19679, 18517, 18540, 18480, 18575, 18766, 18811, 18822, 19398, 19519, 19433, 20074, 20531.	
MEDICAL INDUCTION .....	1
RESULTS:	
Mothers died .....	0
Children died .....	0
No. 19583.	
RUPTURE OF MEMBRANES INDUCTION .....	1
RESULTS:	
Mothers died .....	0
Children died .....	0
No. 19748.	
BREECH EXTRACTION .....	1
RESULTS:	
Mothers died .....	0
Children died .....	1
No. 19527.	
LOW FORCEPS .....	6
RESULTS:	
Mothers died .....	0
Children died .....	0
Nos. 19186, 19326, 19748, 18658, 18705, 20450.	
CÆSAREAN SECTION .....	1
RESULTS:	
Mothers died .....	0
Children died .....	0
No. 18748.	
<b>PYELITIS (Ante-Partum)</b> .....	21
SPONTANEOUS DELIVERY .....	8
RESULTS:	
Mothers died .....	0
Children died .....	4
Nos. 19073, 19121, 19232, 19418, 19463, 19888, 19875, 19942.	
MEDICAL INDUCTION .....	2
RESULTS:	
Mothers died .....	0
Children died .....	0
Nos. 19178, 20384.	

**PYELITIS (Ante-Partum)—Continued**

BAG AND BOUGIE INDUCTION.....	2
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 19365, 19742.	
MID FORCEPS.....	4
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 19801, 19742, 19997, 20529.	
ABDOMINAL PREGNANCY—LAPARATOMY.....	1
RESULTS:	
Mothers died.....	1
Children died.....	1
No. 20068.	
<b>PYELITIS (Ante-Partum) (Not Confined).....</b>	<b>4</b>
RESULTS: Mothers all discharged improved.	
Nos. 18671, 18797, 19516, 20083.	
<b>PYELITIS (Post-Partum).....</b>	<b>41</b>
SPONTANEOUS DELIVERY.....	20
RESULTS:	
Mothers died.....	0
Children died.....	4
Nos. 18648, 18872, 19048, 19067, 18974, 19073, 19121, 19232, 19368, 19407, 19441, 19412, 19816, 19747, 19875, 19888, 19979, 19958, 20331, 20486.	
MEDICAL INDUCTION.....	2
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 18958, 19924.	
RUPTURE OF MEMBRANES INDUCTION.....	4
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 19106, 19538, 19853, 19811.	
BAG INDUCTION.....	2
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 18544, 18995.	
BREECH EXTRACTION.....	3
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 18507, 19853, 19866.	



**PYELITIS (Post-Partum)—Continued**

LOW AND MID FORCEPS.....	5
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 18544, 18997, 18995, 19702, 19997.	
CÆSAREAN SECTION.....	5
RESULTS:	
Mothers died.....	0
Children died.....	1
Nos. 18926, 19039, 19265, 19439, 20063.	

**SYPHILIS..... 12**

SPONTANEOUS DELIVERY.....	10
RESULTS:	
Mothers died.....	0
Children died.....	2
Nos. 18487, 18731, 18759, 19325, 20065, 19974, 20411, 20422, 20413, 20545.	
MEDICAL INDUCTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	1
No. 19349.	
RUPTURE OF MEMBRANES INDUCTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	0
No. 20493.	

**Note.**—During the year there were 1,051 Blood Wassermann tests taken in our Outdoor Clinics. Thirty-four patients were diagnosed Luetic (2.4%). Treatments were carried out in twenty-nine of these thirty-four cases.

Twenty-two patients awaiting delivery.

**ACUTE NEISSER..... 2**

SPONTANEOUS DELIVERY.....	2
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 18725, 18712.	

**PSYCHOSIS..... 3**

MEDICAL INDUCTION.....	1
RESULTS:	
Mothers died.....	0
Children died.....	0
No. 18526.	
LOW FORCEPS.....	2
RESULTS:	
Mothers died.....	0
Children died.....	0
Nos. 19624, 19818.	

<b>TUBERCULOSIS</b> .....		<b>2</b>
B.B.A.....		<b>1</b>
RESULTS:		
Mothers died.....	<b>0</b>	
Children died.....	<b>0</b>	
No. 18626.		
<b>SPONTANEOUS DELIVERY</b> .....		<b>1</b>
RESULTS:		
Mothers died.....	<b>0</b>	
Children died.....	<b>0</b>	
No. 19783.		
<b>TWINS (25 Pairs)</b> .....		<b>50</b>
<b>SPONTANEOUS DELIVERY</b> .....		<b>19</b>
RESULTS:		
Mothers died.....	<b>0</b>	
Children died.....	<b>2</b>	
Nos. 18522, 18564, 18647, 18773, 18746, 18809, 19221, 19869, 18977, 19603, 19413, 19374, 19615, 19256, 18993, 19221, 19760, 18498, 19796.		
<b>MEDICAL INDUCTION</b> .....		<b>1</b>
RESULTS:		
Mothers died.....	<b>0</b>	
Children died.....	<b>0</b>	
No. 18573.		
<b>RUPTURE OF MEMBRANES INDUCTION</b> .....		<b>4</b>
RESULTS:		
Mothers died.....	<b>0</b>	
Children died.....	<b>2</b>	
Nos. 18498, 18573, 19760, 20319.		
<b>BREECH EXTRACTION</b> .....		<b>15</b>
RESULTS:		
Mothers died.....	<b>0</b>	
Children died.....	<b>2</b>	
Nos. 18522, 18564, 18573, 18647, 18773, 18746, 18871, 19327, 19603, 19413, 19374, 19221, 18860A, 19706 (both).		
<b>LOW AND MID FORCEPS</b> .....		<b>4</b>
RESULTS:		
Mothers died.....	<b>0</b>	
Children died.....	<b>0</b>	
Nos. 18928, 19256 (both), 19327.		
<b>VERSION AND EXTRACTION</b> .....		<b>1</b>
RESULTS:		
Mothers died.....	<b>0</b>	
Children died.....	<b>0</b>	
No. 18860A.		

**CLASSIFICATION OF PELVES**

Normal.....	1769
Rachitic, Flat.....	50
Funnel.....	23
Generally Contracted.....	111
Unclassified.....	9
	—

1962

**OUTDOOR DEPARTMENT—OBSTETRICS**

Number of applications for treatment at Hospital. . . . .	917
Number of applications for treatment at Settlement Clinics.	785
Number of Ante-Partum visits to Settlement Clinics.....	4852
Number of Ante-Partum visits to Hospital Clinics.....	4189
Number of cases delivered.....	500
Number of Post-Partum visits paid by Doctors. . . . .	2500
Number of Post-Partum visits paid by Nurses. . . . .	7338
Number of patients transferred to Victorian Order for post-partum care. . . . .	103
Number of Post-Partum examinations in Hospital and Settlement Clinics.....	909

There were no Maternal deaths on the Outside Service.

**INFANTILE MORTALITY**

**Term**

- No. 3189. Dead-born. Lues.
- No. 3460. Died Post-Partum. Intra-Cranial Hæmorrhage.

**Premature**

- No. 3190. (7 months.) Died Post-Partum. Foetal Atelectasis.
- No. 3225. (7 months.) Dead-born. Foetal Asphyxia.
- No. 3385. (7 months.) Died Post-Partum. Foetal Atelectasis.
- No. 3539. (8 months.) Dead-born. Maternal Toxæmia.
- No. 3563. (7 months.) Died Post-Partum. Polycystic Kidney.

Of the above cases, four were admitted post-partum to Hospital and died. In addition to these—Non-viable Deaths, 3.

**DEPARTMENT OF OBSTETRICS**

Number of Patients Discharged.....	2181
Number of Post-partum Cases Discharged Cured.....	1987
Number of Ante-partum Cases Discharged Improved.....	189
Number of Deaths.....	5
	2181

# GYNÆCOLOGICAL REPORT

For the Year Ended December 31st, 1934

## ROYAL VICTORIA MONTREAL MATERNITY

	1934	1933
No. of Admissions . . . . .	1,191	1,251
“ “ Private . . . . .	234+12 Ross	295
“ “ Semi-Private . . . . .	236	227
“ “ Public . . . . .	709	729
“ “ Patients Operated Upon . . . . .	955	987
“ “ Operations Performed . . . . .	1,253	1,279
“ “ Deaths . . . . .	8	9
“ “ “ (following Operations) . . . . .	5	5
Gross Mortality . . . . .	0.67%	0.72%
Operative “ . . . . .	0.52%	0.50%

## MALIGNANT DISEASE

Cases treated and *discharged* during the Year. These figures do not agree with the Report of the Radium Clinic, because the Radium Clinic bases its Report on *Admissions* during the Year.

<b>VULVA</b> . . . . .	3
Carcinoma of Vulva, Primary Epithelioma . . . . .	3
<b>VAGINA</b> . . . . .	4
Carcinoma Vagina, Primary . . . . .	2
Carcinoma Vagina, Secondary . . . . .	2
<b>CERVIX</b> . . . . .	35
Carcinoma Cervix, Squamous . . . . .	32
Metastases Carcinoma Cervix, Squamous . . . . .	2
Chronic Cervicitis (Carcinoma Suspect) . . . . .	1
<b>UTERUS</b> . . . . .	11
Adeno-carcinoma Corporis Uteri . . . . .	9
Fibromyoma with Sarcoma . . . . .	1
Sarcomatosis . . . . .	1
<b>OVARIES</b> . . . . .	15
Adeno-carcinoma . . . . .	3
Metastases Adeno-carcinoma . . . . .	3
Cyst-adenoma Papilliferum Malignum . . . . .	9
<b>MISCELLANEOUS</b> . . . . .	6
Adeno-carcinoma of Cæcum . . . . .	1
Adeno-carcinoma of Sigmoid . . . . .	1
Adeno-carcinoma of Rectum . . . . .	1
Adeno-carcinoma of Breast . . . . .	2
Adeno-carcinoma of Origin Uncertain . . . . .	1

NON-MALIGNANT DISEASES

<b>URETHRA</b> .....		4
Stricture.....	1	
Adenoma (Caruncle).....	3	
<b>VULVA</b> .....		17
Vulvo-vaginitis (Trichomonas Vaginalis).....	6	
Furuncle.....	1	
Ulceration of.....	1	
Pruritis.....	1	
Condyloma.....	1	
Papillomata.....	1	
Bartholinitis Chronic (Cyst).....	2	
Cysts other than Bartholinian.....	1	
Perineal Scar.....	2	
Granuloma of Clitoris.....	1	
<b>CERVIX</b> .....		17
Cervical Stenosis (Atresia).....	2	
Cervical Stenosis with Hæmatometra.....	1	
Cervical Stenosis with Pyometra.....	2	
Polyp Fibrous.....	10	
Polyp Unclassified.....	1	
Papilloma of Cervix.....	1	
<b>UTERUS</b> .....		167
Bicornis.....	2	
Didelphys.....	1	
<b>Deviations:</b>		
Retroversion, Mobile.....	18	
Retroversion, Fixed.....	2	
<b>Neoplasms:</b>		
Fibromyoma.....	135	
Fibromyoma with hard polyp.....	5	
Fibromyoma with degeneration.....	2	
Fibromyoma with malignant degeneration. (See Malignancy Fyle).		
Subinvolution.....	1	
Foreign body in Uterus.....	1	
<b>TUBES</b> .....		1
Cyst of Hydatid of Morgagni.....	1	
<b>OVARIES</b> .....		56
<b>Cysts:</b>		
Follicle Cysts of Ovary.....	11	
Corpus Luteum Cysts.....	3	
<b>Neoplasms:</b>		
Dermoid.....	11	
<b>Connective Tissue Tumours:</b>		
Fibroma of Ovary.....	3	

**OVARIES—Continued****Epithelial Tumours:**

Simple, Non-papilliferous.....	8
Simple, Non-papilliferous, Benign.....	2
Compound Non-papilliferous.....	5
Compound Papilliferous, Benign.....	4
Compound Unclassified.....	5
Infected, Right.....	1
Struma Ovarii.....	1
Cysts of Paroophoron (Parovarian cystoma).....	1
Ovarian Cyst with Torsion of Pedicle.....	1

**ENDOMETRIOSIS..... 26**

Endometriosis of Uterus (Adenomyosis).....	9
“ of Uterus (Implants on surface).....	1
“ of Tube (Adenomyosis).....	1
“ of Ovary (Chocolate Cysts).....	14
“ in Cervical Stump.....	1

**SACRO-PUBLIC HERNIA..... 164****Complete:**

With Cystocœle, Rectocœle and Complete Prolapsus Uteri (Procidentia).....	15
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**Incomplete:**

With Cystocœle, Rectocœle, Retroversion and Partial Prolapsus Uteri.....	27
“ Cystocœle, Rectocœle, Partial Prolapsus Uteri and Complete tear.....	1
“ Cystocœle, Rectocœle, Retroversion.....	11
“ “ “ and Partial Prolapsus Uteri.....	27
“ Cystocœle, Rectocœle.....	43
“ “ “ and Complete Tear.....	1
“ Cystocœle.....	6
“ Rectocœle.....	25
“ Partial Prolapsus Uteri (Sliding Hernia).....	2
“ Rectocœle and Complete Perineal Laceration.....	6

**ENDOCRINE DYSTROPHY..... 189**

With Genital Infantilism of Internal Organs, Mullerian Tract and Ovaries.....	2
“ “ “ “ External Organs.....	1
“ Amenorrhœa, Secondary.....	5
“ Dysmenorrhœa.....	7
“ Sterility.....	6
“ Pruritus Vulvæ.....	1
“ Senile Vaginitis.....	6
“ Glandular Polyp of Cervix.....	30
“ Endometrial Polyp.....	11
“ Metropathia Hæmorrhagica.....	103
“ Hyperthyroidism.....	2
“ Hypothyroidism.....	5
“ Menopause.....	7
“ Post-menopausal Bleeding.....	3

<b>PELVIC INFECTIONS, ACUTE.</b> .....	21
With Acute Vulvitis. ....	4
“    “    Bartholinitis. ....	3
“    “    Vaginitis. ....	2
“    “    Cervicitis. ....	1
“    “    Salpingitis. ....	2
“    “    Parametritis. ....	5
“    “    Pelvic Peritonitis. ....	1
“    “    Salpingo-oophoritis. ....	3
<b>PELVIC INFECTIONS, CHRONIC WITH ACUTE EXACERBATION</b> .....	27
With Acute Bartholinitis. ....	8
“    “    Vaginitis. ....	2
“    “    Salpingitis. ....	2
“    “    Parametritis. ....	11
“    “    Pelvic Peritonitis. ....	1
“    “    Pelvic Abscess. ....	2
“    “    Salpingo-oophoritis. ....	7
“    “    Tubo-ovarian Abscess. ....	4
<b>PELVIC INFECTIONS, CHRONIC.</b> .....	290
With Chronic Bartholinitis. ....	4
“    “    Vaginitis. ....	4
“    “    Cervicitis. ....	122
“    “    Endometritis. ....	15
“    “    Tuberculous Endometritis. ....	2
“    “    Salpingitis. ....	13
“    “    Tuberculous Salpingitis. ....	2
“    “    Parametritis. ....	53
“    “    Pelvic Peritonitis with Adhesions. ....	5
“    “    Pelvic Abscess. ....	2
“    “    Salpingo-oophoritis. ....	54
“    “    Tubo-ovarian Abscess. ....	2
“    “    Sterility, Secondary. ....	12
<b>SYPHILIS</b> .....	8
Secondary. ....	1
Tertiary. ....	7
<b>PREGNANCY</b> .....	351
Uterine, Normal. ....	29
Toxic. ....	19
With Vomiting. ....	3
“    Pernicious Vomiting. ....	5
“    Chronic Nephritis. ....	10
“    Pre-eclampsia. ....	1
With Cardiac Disease. ....	15
Myocarditis Chronic. ....	1
Mitral Stenosis. ....	6
Aortic Stenosis. ....	3
Mitral Insufficiency. ....	1
Aortic Insufficiency. ....	1
Cardio-vascular disease. ....	1
Hypertension. ....	2
With Tuberculosis, Pulmonary. ....	5
With Abortions. ....	230
Attempted Abortion. ....	3

**PREGNANCY—Continued**

Abortion, Threatened.....	15	
“ Inevitable.....	4	
“ Incomplete.....	137	
“ Complete.....	30	
“ Missed.....	2	
With Therapeutic Abortion.....		29
Cardiac Disease.....	7	
Chronic Nephritis.....	9	
Psychosis.....	3	
Tuberculosis, Pulmonary.....	3	
Former Cæsarean.....	2	
“ Eclampsia.....	1	
Hypertension.....	2	
Pleurisy.....	1	
Other Complications (Debility).....	1	
With Bleeding (Placenta Prævia).....		3
“ Infection Post-partum or Post-abortion.....		25
Intrauterine Infection.....	9	
Parametritis, Acute.....	3	
Thrombo-phlebitis, Pelvic.....	1	
“ “ Femoral.....	2	
Septicæmia.....	2	
Pelvic Peritonitis, Acute.....	1	
Pyelitis.....	7	
With Retroversion.....		2
Incarcerated.....	2	
With Mole, Hydatidiform.....		2
“ Ectopic.....		11
Tubal Rupture.....	2	
Tubal Abortion.....	8	
Abdominal.....	1	
With Psychosis.....		3
Mental Defect.....	1	
Other Complications.....	1	
Hydramnios.....	1	
Retained Portion of Placenta with bleeding Post-partum.....		2
Ovarian Dermoid.....		1
“ Cystoma.....		1
<b>POST-OPERATIVE COMPLICATIONS.....</b>		<b>21</b>
Ureteral Fistula.....		1
Fæcal Fistula.....		1
Lung Abscess.....		1
Wound Infection.....		2
“ “ with Partial Breaking Down.....		1
Peritonitis, Pelvic, Acute.....		3
Pelvic Abscess.....		1
Peritonitis, General.....		1
Thrombo-phlebitis, Femoral.....		1
“ “ Saphenous.....		1
Phlegmasia Alba Dolens.....		1
Secondary Hæmorrhage.....		1
Parametritis, Post-operative.....		3
Pyelitis, Post-operative.....		1
Parotitis, Acute.....		1
Vesico-cervical Fistula.....		1



<b>MISCELLANEOUS DISEASES</b> .....		<b>147</b>
No Gynæcological Disease.....	17	
Tuberculous Peritonitis.....	1	
Breasts.....	3	
Mastitis, Acute.....	1	
Acute, with Abscess.....	1	
Adenoma.....	1	
Diabetes Mellitus.....	2	
Liver and Gall Bladder.....	11	
Cholecystitis, Acute.....	3	
"    Chronic.....	1	
Cholelithiasis.....	7	
Bladder and Kidneys.....	12	
Pyelitis, Acute.....	2	
Nephroptosis.....	2	
Chronic Nephritis.....	3	
Hydronephrosis.....	4	
Renal Calculus.....	1	
Lungs.....	15	
Influenza.....	1	
Upper Respiratory Infection (Colds).....	5	
Lobar Pneumonia.....	1	
Pleurisy.....	2	
Asthma.....	1	
Bronchitis, Acute.....	1	
Tuberculosis, Pulmonary.....	3	
Pulmonary Embolus (non-post-operative).....	1	
<b>CARDIO-VASCULAR SYSTEM</b> .....		<b>24</b>
Mitral Insufficiency.....	1	
Stenosis.....	4	
Myocarditis.....	12	
Hypertension (Arterio-Sclerosis).....	5	
Thrombo-phlebitis.....	1	
Sub-acute Bacterial Endocarditis.....	1	
<b>BLOOD</b> .....		<b>7</b>
Anæmia, Secondary.....	6	
Myelogenous Leukæmia.....	1	
<b>GASTRO-INTESTINAL</b> .....		<b>20</b>
Ulcer, Gastric.....	2	
"    Duodenal.....	1	
Appendicitis, Acute.....	2	
"    Chronic.....	5	
Colitis and Constipation.....	1	
Hæmorrhoids.....	6	
Anal Fissure.....	1	
Diverticulitis.....	1	
Sigmoiditis.....	1	
<b>PANCREATIC CYST</b> .....		<b>1</b>
<b>SKIN</b> .....		<b>1</b>
Luminal Rash.....	1	

**MISCELLANEOUS DISEASES—Continued**

NERVOUS SYSTEM.....		18
Psychoisis.....	4	
Epilepsy.....	2	
Neurosis.....	8	
Sciatica.....	1	
Hysteria.....	1	
Mentally Defective.....	2	
HERNIA.....		9
Inguinal.....	1	
Umbilical.....	4	
Ventral.....	4	
ARTHRITIS.....		3
Acute.....	1	
Lumbo-sacral.....	2	
TONSILITIS .....		1
COCCYGEAL CYST (Teratoma).....		2

**OPERATIONS**

<b>VAGINAL OPERATIONS.....</b>		<b>Total</b>
		<b>801</b>
VULVA.....		29
Electro-coagulation,.....	1	
Electro-coagulation partial.....	1	
Biopsy of Vulvar Tissue.....	2	
Incision of Bartholinian Abscess.....	7	
Excision of Bartholinian Abscess.....	4	
Excision of Bartholinian Cyst.....	3	
Cauterization Urethral Caruncle.....	3	
Dilatation of Urethra.....	2	
Cauterization Urethral Caruncle.....	2	
Cauterization of Condyloma.....	1	
Incision Perineal Scar.....	2	
Removal Vulvar Papilloma.....	1	
VAGINA.....		36
Dilatation Unruptured Hymen.....	1	
Incision Vaginal Stricture.....	1	
Excision Vaginal Cyst (Gartner's Duct).....	1	
Posterior Colpotomy.....	8	
Examination under Anæsthesia.....	22	
Repair of Perineal Fistula.....	1	
Secondary Suture of Cystocœle Repair.....	1	
Incision Vaginal Cyst.....	1	
CERVIX AND UTERUS.....		582
Excision Cervical Polyp.....	1	
Dilatation and Exploration.....	433	
Cauterization of Cervix.....	53	
Removal Cervical Polyp by Torsion.....	13	
"        "        "        "        Cautery.....	6	
"        "        "        "        Excision.....	9	

**VAGINAL OPERATIONS—Continued**

Biopsy Cervical Tissue.....	10	
Repair Cervix by Amputation Circular.....	16	
"    "    "    Emmet's.....	3	
Immediate Repair of Cervix.....	1	
Therapeutic Abortion by Dilatation and Evacuation.....	17	
"    "    "    Ant.-Vag. Hysterotomy.....	3	
"    "    "    Post-Vag. Hysterotomy.....	1	
Removal Uterine Polyp by Torsion.....	1	
"    "    "    Excision.....	3	
Reposition Pregnant Uterus.....	1	
"    Uterus with Pessary.....	2	
Induction of Labour by Gauze Pack.....	2	
"    "    "    "    Bag.....	3	
"    "    "    "    Rupture of Membranes.....	3	
Posterior Vaginal Hysterotomy.....	1	
<b>TUBES.....</b>		<b>19</b>
Rubin's Test.....	12	
Lipiodal Installation.....	7	

**APPLICATION OF RADIUM**

"SEE REPORT OF RADIUM CLINIC"

<b>RADICAL CURE SACRO-PUBIC HERNIA.....</b>		<b>135</b>
By Chipman Operation, Complete.....	47	
"    "    Partial with Radical Cure of Cystocœle and Rectocœle....	36	
"    "    Partial with Radical Cure of Cystocœle.	3	
"    "    Partial with Radical cure of Rectocœle and/or Perineorrhaphy.....	38	
By Repair Complete Perineal Tear.....	5	
"    Watkins Interposition.....	1	
"    Le Fort Operation.....	4	
"    Vaginal Hysterectomy.....	1	

**ABDOMINAL OPERATIONS..... 432**

<b>UTERUS.....</b>		<b>163</b>
<b>TOTAL HYSTERECTOMY.....</b>		<b>26</b>
For Fibroid.....	12	
"    Carcinoma of Uterine Cervix.....	2	
"    "    "    "    Body.....	6	
"    Endometriosis Uteri.....	2	
"    Chronic Pelvic Infections.....	2	
"    Ovarian Tumour, Benign.....	1	
"    Miscellaneous Indications.....	1	

**ABDOMINAL OPERATIONS—Continued**

SUB-TOTAL HYSTERECTOMY.....	105
" Fibroid.....	74
" Uterine Bleeding.....	6
" Endometriosis Uteri.....	3
" " Ovarii.....	1
" Ovarian Tumour, Benign.....	3
" " " Malignant.....	1
" Chronic Pelvic Infections.....	8
" Therapeutic Abortion.....	4
" Miscellaneous Indications.....	5
OTHER OPERATIONS UPON UTERUS.....	32
Myomectomy.....	3
Therapeutic Abortion by Abdominal Hystero-	
tomy.....	7
Olshausen's Suspension.....	11
Baldy Webster Suspension.....	3
Gilliam Suspension.....	1
BY OTHER METHODS:	
Removal of Cervical Stump.....	1
Suspension of Uterus.....	6
ADNEXÆ.....	190
Salpingectomy, Right.....	4
" Left.....	6
" Bilateral.....	1
Salpino-Oophorectomy, Right.....	28
" Left.....	40
" Bilateral.....	49
Oophorectomy, Right.....	8
" Left.....	6
Resection of Ovary, Right.....	8
" " Left.....	1
Sterilization by Resection of Tubes, Bilateral.....	21
" " Resection of Cornual ends of	
Tubes.....	4
" " Resection of Ligation of Tubes.....	12
Removal of Broad Ligament Fibromyoma...	1
" " Fimbriated end of Tube (Hydatid	
of Morgagni).....	1
OTHER ABDOMINAL OPERATIONS.....	79
Appendectomy in Conjunction with a Gynæ-	
cological Operation.....	55
Evacuation of Appendicular Abscess.....	1
Exploratory Laparotomy.....	4
Excision of Retro-peritoneal Cyst.....	1
Radical Cure Ventral Hernia.....	1
" " Umbilical Hernia.....	2
" " Inguinal Hernia.....	11
Biopsy of Tumour, Abdominal.....	1
Secondary Suture Abdominal Wound.....	1
Resection of Sigmoid.....	1
Laparotomy-Removal of Abdominal Pregnancy.....	1

<b>MISCELLANEOUS OPERATIONS.</b>		19
Hæmorrhoidectomy.....	6	
Cystoscopy..	7	
Excision Breast Tumour.....	1	
Incision Abscess.....	1	
Miscellaneous.....	4	
 X-RAY STERILIZATION.....		8
 DEEP X-RAY THERAPY .....		6

### DEPARTMENT OF GYNÆCOLOGY

Number of Patients Discharged.....	1176
Number of Patients Discharged Cured.....	554
Number of Patients Discharged Improved .....	459
Number of Patients Discharged Not Improved.....	9
Number of Patients Not Treated.....	35
Number of Patients Investigated.....	110
Number of Deaths.....	9
	<hr/>
	1176

## MORTALITY RETURNS

### **Adeno-Carcinoma of Uterine Body.**

Age 51. Patient had been under treatment in July, 1933, and was advised to return for further treatment after fever due to pyometra had subsided. She was admitted April 30th, and an attempt was made to treat the carcinoma with radium. This was impossible on account of the extensive nature of the disease.

### **Carcinoma of the Cervix. Struma Ovarii. Peritonitis Post-Operative.**

Age 50. Total Hysterectomy and Bilateral Salpingo-oophorectomy were performed after a preliminary radiation of carcinoma of the cervix. Her condition following operation was good but she developed a general peritonitis from which death occurred. No autopsy obtained.

### **Endothelioma of Dura Fibroma Uteri.**

Age 57. This patient was admitted to the Ross Pavilion for a deep X-ray therapy. The cause of death was shown by Autopsy to be an endothelioma of the dura with many metastases.

### **General Peritonitis following an attempted Criminal Abortion.**

Age 25. Bleeding and abdominal pain commenced December 20th, following an attempt to induce abortion. She was admitted December 27th. At operation uterus was found to be perforated and there was wide-spread general peritonitis. Total hysterectomy and bilateral salpingo-oophorectomy were done, and the abdomen drained through the vagina. Her condition became worse and she died 48 hours later. No autopsy obtained.

### **Bilateral Salpingo-oophoritis. Mitral Stenosis. Myocarditis, Chronic Peritonitis(?)**

Age 45. Supra-vaginal hysterectomy and bilateral Salpingo-oophorectomy were performed after a consultation re her cardiac condition. Immediately following operation her condition was fair. Vomiting and distention soon developed and her heart condition became worse. Death occurred from cardiac failure 8 days after operation. No autopsy obtained.

### **Abortion Incomplete, Dilatation and Evacuation. Transfusion with Reaction. Parotitis, Acute Right.**

Age 30. Admitted as an incomplete abortion at the end of third month of pregnancy. Uterus was explored and packed. A portion of placenta, however, remained and was removed, and later a moderate amount of bleeding followed.

Following this she was transfused. This was followed by a severe reaction with jaundice and hæmoglobinuria and partial suppression of renal function. These conditions were all improving satisfactorily when 12 days after the operation she developed an acute right parotitis.

Death occurred 3 days later. No autopsy obtained.

### **Sub-Acute Bacterial Endocarditis.**

Age 56. Patient had throughout the greater part of her pregnancy sub-acute bacterial endocarditis. She was delivered in April of a premature baby and was discharged on May 5th. She returned May 13th, with an acute Bartholinian abscess which ruptured spontaneously two days later. Patient's condition became progressively worse, and she died May 26th. No autopsy obtained.

### **Pulmonary Embolus. Non-malignant Papilliferous Cyst-Adenoma of Left Ovary.**

Age 49. Patient was admitted by ambulance at 12.15 p.m., December 21st, and died within a few minutes after admission. An autopsy showed a large pulmonary embolus, and a large non-malignant cyst of the left ovary.

## OUTDOOR DEPARTMENT

1934

Number of New Cases . . . . .	985
Revisits . . . . .	3,768

## BLOOD TRANSFUSIONS

During the year 1934 there were given 275 transfusions to 209 patients. These were divided among the different services as follows:—

	1934	1933
Obstetrics . . . . .	141	155
Gynæcology . . . . .	121	131
Babies . . . . .	14	18
	<u>276</u>	<u>304</u>

Donors for these transfusions were obtained from the following sources:

Professional Donors . . . . .	47
Relatives of the patient. . . . .	159
Friends of the patient. . . . .	34
Voluntary donors from the Toc H and Junior Board of Trade . . . . .	36

For these transfusions there were 1,000 separate blood groupings. The greatest number of separate transfusions given to any one patient was 7. Three patients had 5 transfusions each; one patient had 4; eight patients had 3 transfusions each; and many had 2 each.

The indications for which transfusions have been used are the same as in the past. Experience gained tends to confirm the opinion previously expressed of the value of transfusion as a means of fighting many cases of infection, including Streptococcic Septicæmia.

During the year the Emergency Fund provided by the Ladies' Auxiliary Board was called upon to provide for 18 transfusions and the Toc H provided 36 voluntary blood donors. The value of these services to the patients and to the Staff of this Department cannot be exaggerated.

# REPORT OF THE RADIUM CLINIC

For the Year Ended December 31st, 1934

## Cancer Cervix Uteri

Total Admissions.....	34
New Patients.....	21
Treated with Radium.....	18
Treated with Radium and X-ray.....	3
Living at end of year.....	18

## Chronic Cervicitis—Carcinoma Suspect

Total Admissions.....	1
New Patients.....	1
Treated with Radium.....	1
Living at end of year.....	1

## Cancer Corpus Uteri

Total Admissions.....	9
New Patients.....	8
Treated with Radium.....	1
Treated by Radium and Hysterectomy.....	2
Treated by Hysterectomy.....	4
Treated by Hysterectomy and X-ray.....	1
Living at end of year.....	5

## Cancer of Vulva

Total Admissions.....	2
New Patients.....	2
Treated by Surgery (Electro Cautery Knife).....	1
Untreated.....	1
Living at end of year.....	1

## Cancer of Vagina

Total Admissions.....	2
New Patients.....	2
Treated with Radium.....	2
Living at end of year.....	2

## Cancer of Ovary

Total Admissions.....	15
New Patients.....	11
Treated by Surgery.....	4
Treated by Surgery and X-ray.....	3
Treated by X-ray only.....	2
Inoperable—Examination only.....	2
Living at end of year.....	8



**Sarcoma of Uterus**

Total Admissions.....	2
New Patients.....	2
Treated with Radium.....	1
Treated by Surgery and X-ray.....	1
Living at end of year.....	2

**Cancer of Peritoneum (origin uncertain)**

Total Admissions.....	1
New Patients.....	1
Treated by Surgery (Examination only).....	1
Living at end of year.....	1

**Cases other than Carcinoma Treated with Radium**

Total Admissions.....	75
New Patients.....	72
Endocrine Dystrophy.....	42
Retreated for Endocrine Dystrophy.....	3
Cervical Polyp.....	7
Uterine Polyp.....	6
Cervicitis.....	2
Chronic Metritis.....	3
Fibromyoma.....	12
Total Number of Radium Treatments given during the year.....	134

**Carcinoma of Cervix Uteri treated with Radium since August, 1926**

		Living	Unaccounted for
1926.....	15	4	2
1927.....	45	8	2
1928.....	21	3	1
1929.....	26	6	1
1930.....	27	5	2
1931.....	36	15	..
1932.....	31	14	..
1933.....	28	14	1
Total number of Follow-up Visits.....			359

**FOLLOW-UP REPORT OF CASES OF METRORRHAGIA AND MENORRHAGIA (NON-CANCEROUS) TREATED WITH RADIUM**

1932

Number of Cases Treated.....	91
Menstruation ceased.....	48
Menstruation still present.....	10
Improved in general health.....	46
Not improved.....	10
Suffering from pre-operative symptoms.....	25
Relieved of above.....	29
New Complaints.....	19
Operated upon since Radium Treatment.....	2
Retreated with Radium.....	1
Number of patients who failed to reply to inquiries.....	33

**1933**

Number of Cases Treated.....	76
Menstruation ceased.....	43
Menstruation still present.....	4
Improved in general health.....	41
Not improved.....	6
Suffering from pre-operative symptoms.....	15
Relieved of above.....	31
New Complaints.....	21
Operated upon since Radium Treatment.....	1
Retreated with Radium.....	1
Number of patients who failed to reply to inquiries.....	29

**RESULTS OF CASES OF CARCINOMA CERVIX UTERI TREATED WITH RADIUM**  
**August, 1926—December, 1934**

Year	Cases	½ yr.	%	¾ yr.	%	1 yr.	%	1½ yr.	%	2 yr.	%	3 yr.	%	4 yr.	%	5 yr.	%	6 yr.	%	7 yr.	%	8 yr.	%	9 yr.	Unac- counted for
1926	15	10	66.6	7	46.6	6	40.9	5	33.3	4	26.6	4	26.6	4	26.6	4	26.6	4	26.6	4	26.6	4	26.6		2
1927	45	38	84.4	33	73.3	26	57.7	17	35.5	13	28.8	12	26.7	10	22.2	10	22.2	9	20	8	17.7				2
1928	21	18	85.7	14	66.6	12	57.1	9	42.8	6	28.5	6	28.5	3	14.2	3	14.2	3	14.2						1
1929	26	20	68.9	19	73.2	18	69.2	13	50	13	50	9	34.6	6	23.07	6	23.07								1
1930	27	23	85.1	19	70.3	18	66.6	11	40.7	10	37.03	8	29.6	5	18.5										2
1931	36	28	77.7	26	72.2	24	66.6	21	58.3	16	44.4	15	41.6												
1932	31	28	90.3	26	83.9	23	74.1	19	61.6	14	45.1														
1933	28	24	85.7	21	75	14	50																		1
1934	21																								

**RESULTS OF CASES OF CARCINOMA CORPUS UTERI TREATED WITH RADIUM, X-RAY AND SURGERY**  
**August, 1926—December, 1934**

Year	Cases	½ yr.	%	¾ yr.	%	1 yr.	%	1½ yr.	%	2 yr.	%	3 yr.	%	4 yr.	%	5 yr.	%	6 yr.	%	7 yr.	%	8 yr.	%	9 yr.	Unac- counted for
1926	1	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	0					
1927	2	2	100	2	100	2	100	2	100	2	100	2	100	2	100	2	100	2	100	2	100				
1928	2	2	100	2	100	2	100	1	50	1	50	1	50	1	50	1	50	1	50						1
1929	5	5	100	5	100	4	80	4	80	3	60	3	60	3	60	3	60								
1930	11	10	90	10	90	9	80	8	70	8	70	8	70	7	63.6										
1931	9	9	100	9	100	7	77.7	6	66.6	6	66.6	6	66.6												1
1932	6	6	100	6	100	5	83.3	5	83.3	4	66.6														
1933	5	4	80	3	60	3	60	3	60																
1934	3																								

## PUBLICATIONS

Dr. J. R. FRASER:

“Complications of Pregnancy.”  
*Proceedings Interstate Med. Assem.*, 1934.

Dr. P. J. KEARNS:

“Anatomy and Pathology of Placental Circulation.”  
*Amer. Jour. of Obstet. and Gynæc.*, June, 1934.

During the year the following Addresses were given:—

Dr. A. D. CAMPBELL:

“The Evolution of Gynæcology and Gynæcologists.”  
*Undergraduate Med. Soc. of McGill University*, February, 1934.

“The Damaged Birth Canal and its Repair.”  
*Can. Med. Assn.*, Calgary, June, 1934.

“Repair of Urethra Vesico Vaginal Fistula.”  
*Can. Med. Assn.*, Calgary, June, 1934.

“Some Aspects of Endocrine Therapy in Disorders of Menstruation.”  
*Assn. for Study of Internal Secretions*, Cleveland.

Dr. J. R. FRASER:

“Hæmorrhage in late Pregnancy.”  
*Ontario Medical Association*, Hamilton.

“The Clinical Significance of Pelvic Inflammatory Disease.”  
*Ontario Medical Association*, Hamilton.

Dr. J. P. KEARNS:

“The Pathology of Placenta Prævia.”  
*Medico-Chirurgical Society*, Montreal.

Dr. IVAN PATRICK:

“Midwives and Maternal Mortality.”  
*Lafleur Reporting Society*, Montreal.

Dr. N. W. PHILPOTT:

“Ovarian Function in Relation to Uterine Changes.”  
*McGill Reporting Society*, Montreal.

Dr. WESLEY BOURNE:

“Divinyl Oxide Anæsthesia in Obstetrics.”  
*Bourne, Wesley. The Lancet*, March 17th, 1934, p. 566. Read,  
*Mont. Med. Chir. Soc.*, November 17th, 1933.

“Cyclopropane Anæsthesia in Obstetrics.”  
*Bourne, Wesley, The Lancet*, July 7th, 1934, p. 20.

“Some Aspects of Vinyl Ether (Vinethene) Anæsthesia.”  
*Bourne, Wesley and Sparling, D. W. Anæs. and Analg.* 14.  
 No. I, 4-7, 1935. Read by invitation, *Congress of Anæsthetists*,  
 Boston, October 19th, 1934.

# REPORT OF THE OPHTHALMOLOGICAL DEPARTMENT

For the Year Ended December 31st, 1934.

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

During the past year there was a considerable reduction in the total number of patients in the Department of Ophthalmology, due almost entirely to a decrease in those applying for refraction of the eye. The explanation of the decrease lies in the application of recent regulations governing the admission of patients to the outdoor clinic, and in the economic situation.

On the other hand, the unrestricted admission of those suffering from ophthalmic disorders other than eye strain has been responsible for the continuance of the increase in the number of in-patients and of operations. In this connection, special mention should be made of our cases of detachment of the retina. Of the fourteen patients admitted with this disease during the past twelve months, thirty percent were cured by the new method of electrocoagulation. In view of the fact that until quite recent times detachment of the retina was looked upon as a hopeless condition, these results of treatment must be regarded as highly gratifying.

The work of the pathological laboratory has been fully maintained, and numerous contributions have been made by members of the staff to the programmes of ophthalmologic societies.

Respectfully submitted,

W. GORDON M. BYERS,  
*Ophthalmologist-in-Chief.*

# DEPARTMENT OF OPHTHALMOLOGY

## RECORD OF DISEASES

For the Year Ended December 31st, 1934

General diseases of the eye.....	50	<b>RECORD OF OPERATIONS</b>	
Lids..	14	Advancement and recessions.....	50
Lacrimal apparatus.....	18	Biopsy.....	1
Conjunctiva.....	21	Cauterization for prolapse iris....	1
Cornea.....	54	Electro cautery for detachment of retina.....	14
Anterior chamber.....	2	Elliott's sclero-corneal trephining	15
Sclera.....	7	Enucleations.....	24
Lens.....	110	Examination under anæsthesia..	2
Uveal tract—General.....	3	Excision cyst eyelid... ..	1
Iris. . . . .	10	Excision cyst orbit.. . . . .	1
Ciliary body.	34	Excision granuloma conjunctiva..	1
Choroid.. . . . .	17	Excision lacrimal sac.....	11
Retina.....	23	Excision optic nerve.....	1
Vitreous.....	1	Excision prolapsed iris.. . . . .	1
Optic nerve.....	13	Excision tarsus—Kuhnt Heiserath	2
Eyeball.....	18	Exenteration orbit.....	1
Orbit.....	11	Expression follicles trachoma.....	1
Disturbances of motion.....	64	Extraction cataract... ..	58
Miscellaneous diseases.....	8	Extraction cataract intracapsular	3
		Extraction foreign body with magnet	5
		Incision cellulitis orbit.. . . . .	2
		Incision lacrimal abscess.....	1
		Iridectomy.. . . . .	56
		Iridectomy with conjunctival flap repair.....	3
		Iridencleisis.....	1
		Needling.....	25
		Paracentesis.....	7
		Plastic on lids.. . . . .	4
		Probing of lacrimal duct.....	2
		Removal foreign body cornea....	2
		Removal and insertion radium... .	2
		Repair wound with conjunctival flap . . . . .	5
		Resection external rectus... . . . .	8
		Saemisch section cornea.....	1
		Sclerectomy.....	1
		Sclerotomy.....	2
		Skin graft orbit.....	2
		Suturing lids.....	2
		Tenotomy . . . . .	2
		Transplantation lacrimal sac.....	1
Total admissions 1934.. . . . .	410		
Total discharges 1934.. . . . .	407		
	3		
No. in Hospital end of year 1934	11		
No. in Hospital first of year 1934	8		
	3		
No. cured.....	218		
No. improved.....	130		
No. not improved.....	51		
No. investigated.....	8		
No. died.....	0		

# REPORT OF THE DEPARTMENT OF OTO-LARYNGOLOGY

*For the Year Ended December 31st, 1934.*

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

The year 1934 was characterized by progress in the work of the Department. There was an increase in the number of both public and private admissions, as well as in the number of operations performed.

The various services of the Department were extremely active with daily operations and clinics. The increase in the number of operations and the inability to adequately carry out certain procedures and treatments during the regular clinic periods necessitated the holding of daily minor clinics. These clinics have undoubtedly contributed to greater efficiency.

1,747 public and private patients were admitted during 1934, an increase of 124 over 1933. Of these 380 were private patients, an increase of 15; 139 semi-private patients, an increase of 5; and 1,228 public patients, an increase of 104.

1,870 public and private operations were performed during the year 1934, an increase of 180 operations over 1933. There were 1,545 public operations, an increase of 145; and 325 private operations, an increase of 35. These figures do not include many minor operations performed in the out-patient department.

1,560 new patients and 4,979 old patients were treated in the clinics. This total of 6,539 represents a decrease of 763. In all, 11,400 patients were treated in this department during 1934, a decrease of 583.

272 bronchoscopic examinations were performed. Thirteen foreign bodies were removed from the tracheobronchial tree and the œsophagus, without fatality.

An actual increase in the number of patients with carcinoma was noted. The combination of a radical operation with the application of large doses of radium continues to give satisfactory results in the treatment of cancer of the nose, and the paranasal sinuses.

Röntgen Ray therapy by Coutard's method is being employed in the treatment of extrinsic carcinoma of the larynx; laryngofissure and laryngectomy for the intrinsic types.

During the year there were three cases of scarlet fever and one of erysipelas.

There were seven deaths: four from intracranial complications secondary to mastoiditis; one from carcinoma of the œsophagus; one from pulmonary and laryngeal tuberculosis, and one from staphylococcus meningitis secondary to cellulitis of the nose and upper lip.

Dr. H. S. Birkett was honoured by being appointed President of the Mackay Institute for the Deaf and Dumb. He was also invited to contribute to Prof. Kubo's Festschrift and he wrote on "Lipoma of the Larynx—Intrinsic in Origin." (*Jour. Laryng. & Otol.*, Dec., 1934.)

Dr. W. J. McNally was reappointed Research Fellow in Oto-Laryngology by the American Academy of Ophthalmology and Oto-Laryngology. He was appointed Chairman of the Section on Oto-Laryngology of the Canadian Medical Association. He was awarded the Degree of Doctor of Science by McGill University for Research on the Physiology of the Ear.

During the year Dr. Ballou presented to the Department a series of twenty-six original paintings of normal and pathological conditions of the larynx, pharynx and nasopharynx.

### PUBLICATIONS

Dr. W. J. McNALLY:

(with Prof. JOHN TAIT)

"Some Features of the Action of the Utricular Maculæ (and of the Associated Action of the Semicircular canals) of the Frog."

*Accepted for publication Jan. 2nd, 1934, in the Philosophical Transactions of the Royal Society of London, Series B.*

(with Prof. JOHN TAIT)

"Disabilities Consequent upon Ablation of Particular Receptors in the Labyrinth of Frogs (with Movie Demonstration)."

*Read before the American Otological Society, April, 1934, and published in the Jubilee Volume dedicated to Prof. W. I. Wojatschek, Leningrad, U.S.S.R., 1934.*

"Some Consideration about Acute Suppurative Frontal Sinusitis, Four Fulminating Cases."

*Published in the 1934 Transactions of the American Laryngological Association.*



Dr. G. E. TREMBLE:

"Pneumatization of the Temporal Bone."  
*Arch. Oto-Laryng.* 19: 172-182. Feb., 1934.

"Early Diagnosis of Cancer of the Larynx."  
*Can. Med. Assoc. Jour.* 30: 280-283, 1934.

Dr. D. H. BALLON:

"Bronchoscopy in Pulmonary Tuberculosis."  
*To be published in the Transactions of the American Association for  
Thoracic Surgery.*

Respectfully submitted,

DAVID H. BALLON,  
*Oto-Laryngologist-in-Chief.*

# STATISTICS

## DEPARTMENT OF OTO-LARYNGOLOGY

### OPERATIONS ROSS MEMORIAL PAVILION, 1934

#### NOSE AND PARANASAL SINUSES:

Injection spheno-palatine ganglion. . . . .	1
Submucous resection of septum. . . . .	23
Turbinotomy. . . . .	6
Radical frontal sinus. . . . .	1
Removal nasal polypi. . . . .	3
Radical ethmoid. . . . .	4
Puncturing antrum. . . . .	2
Antrotomy. . . . .	3
Radical antrum. . . . .	11
Radical sphenoid. . . . .	2

#### NASO-PHARYNX, PHARYNX, TONSILS:

Adenoidectomy and tonsillectomy. . . . .	236
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#### NASO-PHARYNX, PHARYNX, TONSILS:—*Con.*

Paritonsillar abscess incised. . . . .	2
Incision growth palate. . . . .	2
Biopsy of pharynx. . . . .	1

#### LARYNX, BRONCHI, ŒSOPHAGUS:

Direct laryngoscopy. . . . .	1
Removal papilloma of larynx. . . . .	1
Direct bronchoscopy. . . . .	2
Direct œsophagoscopy. . . . .	3

#### EAR:

Incision of furuncle. . . . .	1
Paracentesis. . . . .	7
Simple mastoid. . . . .	12
Opening lateral sinus. . . . .	1

### OPERATIONS OUTDOOR OPERATING ROOM, 1934

#### NOSE AND PARANASAL SINUSES:

Setting fracture of nasal bones. . . . .	5
Submucous resection of septum. . . . .	96
Incision of septal abscess. . . . .	1
Excision of papilloma of septum with radium implantation. . . . .	1
Cauterization of septum. . . . .	2
Turbinotomy. . . . .	17
Biopsy of turbinate. . . . .	1
Endonasal drainage of frontal sinus. . . . .	1
Radical frontal sinus. . . . .	4
Removal of polypi. . . . .	20
Ethmoidectomy. . . . .	5
Antrotomy. . . . .	15
Radical antrum. . . . .	40
Radical antrum with radium implantation. . . . .	2
Radical antrum with removing foreign body. . . . .	1
Radical sphenoid. . . . .	5

#### NOSE AND PARANASAL SINUSES:—*Con.*

Modified Moure operation with radium implantation. . . . .	1
Incision of abscess of cheek. . . . .	2

#### NASO-PHARYNX, ORO-PHARYNX AND TONSILS:

Adenoidectomy. . . . .	30
Tonsillectomy. . . . .	338
Tonsillectomy and adenoidectomy. . . . .	536
Post-tonsillar hæmorrhage controlled. . . . .	4
Removal of nasopharyngeal foreign body. . . . .	1
Retro-pharyngeal abscess incised. . . . .	4
Biopsy of pharyngeal tumour. . . . .	2
Excision of papilloma of mouth. . . . .	1
Excision of papilloma of hard palate. . . . .	4
Biopsy of soft palate. . . . .	2

**OPERATIONS OUTDOOR OPERATING ROOM—Continued**

**EAR:**

Excision cyst of lobule.....	2
Incision of furuncle.....	3
Removing of foreign body.....	2
Paracentesis.....	58
Removal of polyp.....	8
Simple mastoid.....	42
Reopening mastoid.....	7
Exposing lateral sinus.....	4
Radical mastoid.....	23
Mastoid plastic.....	1
Modified radical (Heath).....	1
Ligation of jugular vein.....	3

**LARYNX, TRACHEA,  
BRONCHI, LUNG:**

Laryngo-fissure.....	1
Tracheotomy.....	3
Excision of keloid (post-tracheotomy).....	1
Low tracheoscopy.....	1
Removing growth in front of neck with implantation of radium.....	1
Incision abscess of neck.....	1
Biopsy gland of neck.....	1

**DIRECT LARYNGOSCOPY**

**FOR:**

Diagnosis.....	29
Biopsy.....	10

**DIRECT LARYNGOSCOPY**

**FOR:—Con.**

Intubation.....	1
Removal of foreign body (rivet and chicken bones).....	4
Removal of growth from vocal cord.....	5
Incising cyst of epiglottis.....	1
Lipiodol injection.....	7
Implantation of Radon seed in base of tongue.....	1
Implantation of radium in base of tongue.....	1

**DIRECT BRONCHOSCOPY**

**FOR:**

Diagnosis.....	91
Biopsy.....	10
Removal of foreign body (peanut and chicken bone).....	2
Lipiodol injection.....	10

**DIRECT ŒSOPHAGOSCOPY**

**FOR:**

Diagnosis.....	33
Biopsy.....	6
Implantation of Radon seeds... ..	1
Removal of foreign body.....	3
Miscellaneous.....	14

# DEPARTMENT OF OTO-LARYNGOLOGY

## RECORD OF DISEASES

For the Year Ended December 31st, 1934

		Died		
<b>DISEASES OF THE NOSE:</b>			Total discharges 1934.	1747
Nasal cavities.....	199		Total admissions 1934...	1744
Paranasal sinuses....	95			3
<b>NASO-PHARYNX, PHARYNX AND TONSILS....</b>	<b>1261</b>		No. in Hospital first of year 1934	18
<b>LARYNX, TRACHEA, BRONCHI AND LUNGS</b>	<b>78</b>	<b>1</b>	No. in Hospital end of year 1934	<b>15</b>
<b>ÆSOPHAGUS.....</b>	<b>18</b>	<b>1</b>		<b>3</b>
<b>MOUTH.....</b>	<b>9</b>	<b>1</b>	No. of patients cured..	1476
<b>EAR:</b>			No. of patients improved...	192
External.....	14		No. of patients not improved...	35
Middle.....	197	3	No. of patients investigated..	37
Internal. . . . .	11		No. of patients died..	7
<b>ASSOCIATED DISEASES..</b>	<b>98</b>	<b>1</b>		

# REPORT OF THE UROLOGICAL DEPARTMENT

For the Year Ended December 31st, 1934.

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

The following report is submitted from the Department of Urology.

During the year 1934 the work of the Department of Urology proceeded satisfactorily. The number of patients in the Indoor Service remained approximately the same as in the previous year, but there was a larger percentage of these on the Private Service. There was a moderate decrease in the number of patients treated in the Out-patient Department. There was no decrease in the number of major operations, but there was evidence of a decided tendency towards more conservative operative treatment. The number of nephrectomies decreased with a corresponding increase in the cases of plastic repair of diseased kidneys. Of the prostatic cases, the number treated by resection was surprisingly large; patients adjudged suitable for this type of operation were spared many weeks' stay in the hospital, with a consequent financial saving to the hospital, to themselves, or to their respective municipalities.

This year marks the achievement of a goal which for some years past we have been endeavouring to reach,—the opening of Laboratories, where we are now able to carry on research work in close proximity to the clinical material, and where clinical problems can be investigated from the laboratory and research view points. We will also be able to study more fully for research and teaching purposes, interesting specimens obtained.

Dr. A. B. Wallace, a trained research worker, who came to us from Edinburgh, is carrying out investigation in these laboratories, with the assistance of a trained technician. He is now studying the problem of lymphatic absorption from the lower urinary tract in its relation to renal infection.

The Department has recently secured the services of a medical illustrator—Mrs. H. H. Cheney; she has already completed a number of drawings and diagrams illustrating the work being done. These are of special value in teaching, and in addition form the nucleus of what will ultimately be a gallery of abnormal conditions found in this field.

These invaluable laboratories, and the resultant work, were made possible by the generosity of our Governors, to whom the warmest thanks of the Department are here most sincerely recorded.

The Department records its deep gratitude to Mr. and Mrs. Archibald C. Hodgson for the generous gift of a modern cystoscopic examination and X-ray table, which has been added to the Ross Division of the Service.

The publications from the Department for the year just ended were:

- “Bacillus Alkaescens Pyelonephritis with Blood Infection.”  
Review of the literature and report of a case with recovery.  
David W. MacKenzie and Max Ratner.  
*American Journal of Urology, May 1934, Vol. 31, No. 5.*
- “Malignant Growths in the Undescended Testis.” Review of  
the literature and report of two cases. David W. MacKenzie  
and Max Ratner.  
*American Journal of Urology, October 1934, Vol. 32, No. 4.*
- “Tumors of the Renal Pelvis and Ureter.” David W. MacKenzie.  
*Transactions of the International Society of Urology, 1935.*
- “Mechanical Factors in Renal Infections.” David W. MacKenzie.  
*Indiana State Medical Journal, January 1935.*
- “Sarcoma of the Prostate.” Review of the literature and re-  
port of one case. David W. MacKenzie and Allan B. Hawthorne.  
(*In publication.*)
- “Renal Tumors.” David W. MacKenzie.  
*Cabot's Modern Urology (in publication), Lea and Febiger.*

Respectfully submitted,

DAVID W. MACKENZIE,  
*Urologist-in-Chief.*

# OPERATIONS IN THE UROLOGICAL DEPARTMENT (Indoor)

For the Year Ended December 31st, 1934

Nephrectomy for renal tuberculosis . . . . .	8
“ and ureterectomy for renal tuberculosis . . . . .	1
“ for malignant tumor of kidney . . . . .	5
“ for renal calculus . . . . .	1
“ for congenital anomaly of kidney . . . . .	1
“ for ectopic kidney . . . . .	1
“ for pyonephrosis with calculus . . . . .	3
“ for hydronephrosis infected . . . . .	4
Nephrectomy and ureterectomy for hydronephrosis and hydroureter . .	3
Nephrectomy and ureterectomy for hydronephrosis and hydroureter with calculi . . . . .	1
Nephrotomy for renal calculus . . . . .	1
Pyelotomy for renal calculus . . . . .	13
“ “ “ “ with plastic on uretero-pelvic junction . . . .	1
Pyelotomy and ureterotomy for renal and ureteral calculus . . . . .	1
Nephropexy for nephroptosis and uretero-pelvic kink . . . . .	6
“ for nephroptosis with freeing of adhesions . . . . .	4
“ for nephroptosis with plastic on congenital anomaly . . . . .	1
“ for nephroptosis with plastic in solitary kidney . . . . .	1
Plastic on enormously enlarged renal pelvis . . . . .	2
“ on renal pelvis with removal of calculi . . . . .	1
Excision cyst of kidney . . . . .	1
Ureterotomy for calculus . . . . .	9
Transplantation of ureter into sigmoid . . . . .	1
Incision and drainage of perinephritic abscess . . . . .	5
“ “ “ of periurethral abscess . . . . .	3
Cystotomy suprapubic for drainage in prostatism . . . . .	6
“ “ “ “ “ “ with vasotomy . . . . .	38
“ “ “ “ “ carcinoma of the prostate . . . . .	1
“ “ “ “ “ carcinoma of the bladder and prostatism . . . . .	1
“ “ “ “ “ prostatism and carcinoma of rectum . . . . .	1
“ “ “ with coagulation of bladder tumor . . . . .	14
“ “ “ “ “ “ “ and implan- tation of Radium . . . . .	1
“ “ “ excision of bladder tumor, coagulation of base, and transplantation of right ureter . . . . .	1
“ “ “ coagulation of papilloma of vesical neck and roof of prostatic urethra . . . . .	1
“ “ “ coagulation of bladder tumor and one stage prostatectomy . . . . .	1
“ “ “ dilatation of vesical neck . . . . .	1
“ “ “ for drainage in stricture of urethra, uræmia . . . . .	1
“ “ “ “ “ rupture of urethra, traumatic . . . . .	1
“ “ “ with drainage of old prostatic abscess . . . . .	2
“ “ “ for bladder hæmorrhage . . . . .	2
“ “ “ with removal of calcareous deposits . . . . .	1
Prostatectomy (two stage) for prostatism . . . . .	46
“ “ “ “ with removal of calculus . . . . .	1
“ (one stage) “ . . . . .	3
“ “ “ “ with coagulation of bladder tumor . . . . .	1

148 OPERATIONS IN THE UROLOGICAL DEPARTMENT (Indoor)

Transurethral prostatic resection for prostatism . . . . .	30
“ “ “ “ carcinoma . . . . .	5
“ resection for contracted vesical neck . . . . .	9
“ “ of redundant tissue internal urethral orifice . . . . .	1
Plastic repair vesico-vaginal fistula . . . . .	4
“ “ urethral fistula . . . . .	1
“ “ cystocele with dilatation of urethra . . . . .	1
“ “ suprapubic sinus (post-operative) . . . . .	6
Removal of foreign body from urethra . . . . .	1
“ “ “ “ “ bladder . . . . .	1
Incision and drainage perivesical abscess . . . . .	1
Perineal section with drainage of periurethral phlegmon . . . . .	3
“ “ “ “ “ prostatic and periprostatic abscess . . . . .	2
“ “ for removal of blood clot (perineal hæmatoma) . . . . .	1
“ “ and suprapubic cystotomy for perineal fistula (urethral)	1
Excision perineal fistula . . . . .	1
Dilatation of urethra for stricture . . . . .	20
“ “ vesical neck (post-operative) . . . . .	3
Coagulation of urethral caruncle . . . . .	2
Circumcision for redundant prepuce . . . . .	13
“ “ carcinoma of prepuce . . . . .	1
“ “ phimosis . . . . .	2
“ “ adherent prepuce . . . . .	1
“ with removal of papilloma of penis . . . . .	1
Dorsal slit for paraphimosis . . . . .	1
Epididymectomy for tuberculous epididymitis . . . . .	5
“ and orchidectomy for tuberculous epididymitis . . . . .	1
Orchidectomy for carcinoma of the testis . . . . .	1
Placement of testis in scrotum for cryptorchidism . . . . .	6
Excision of testicle for torsion . . . . .	1
Radical cure of hydrocele . . . . .	11
Tapping of hydrocele . . . . .	1
Excision veins pampiniform plexus . . . . .	7
Excision growth of scrotal penile fold . . . . .	1
Incision and drainage scrotal abscess . . . . .	1
Excision cyst of epididymis . . . . .	1
Excision persistent loin sinus . . . . .	1
Exploratory on polycystic kidney . . . . .	1
“ “ left loin for possible tumor of adrenal gland . . . . .	1
Total Operations . . . . .	353
Cystoscopy for bladder examination only . . . . .	144
“ with ureteral catheterization . . . . .	70
“ with ureteral catheterization and pyelogram . . . . .	454
“ with pyeloureterogram . . . . .	10
“ with ureteral dilatation . . . . .	30
“ with fulguration of urethral papilloma . . . . .	1
“ with fulguration of bladder tumor . . . . .	9
Cystograms . . . . .	150
Uroselectan Series . . . . .	213
Total Cystoscopic Department . . . . .	1,081
OPERATIONS . . . . .	353
CYSTOSCOPIC DEPARTMENT . . . . .	1,081
Total . . . . .	1,434



# DEPARTMENT OF UROLOGY

## RECORD OF DISEASES

For the Year Ended December 31st, 1934

KIDNEY AND URETER:		Total Died	DISEASES OF THE		Total Died
<b>Kidney:</b>			<b>BLADDER:</b>		
Hydronephrosis.....	120	1	Abscess, perivesical.....	1	
Hydronephrosis infected...	52		Adhesion, perivesical.....	4	
Infarct renal.....	1		Atony of bladder.....	2	
Insufficiency renal.....	11		Calculus.....	19	
Nephritis acute.....	4		Cellulitis, perivesical.....	1	1
Nephritis suppurative acute	4		Contraction vesical neck...	21	
Nephritis chronic.....	3	1	Cystitis.....	51	
Nephrolithiasis.....	53	1	Diverticulum.....	33	
Nephroptosis.....	123		Enuresis.....	4	
Pyelitis.....	89	1	Fistula, urinary, perineal..	6	
Pyonephrosis.....	16		Fistula, urinary, suprapubic	4	
Tuberculosis.....	29		Fistula, vesico-vaginal.....	2	
Uræmia.....	21	1	Frequency micturition, cause unknown.....	3	
<b>Ureter:</b>			Hernia, vesical.....	2	
Calculus.....	90	1	Neurogenic bladder.....	3	
Hydroureter.....	44		Retention urine.....	5	
Kinked ureter.....	23		Trabeculation bladder.....	2	
Laceration ureter.....	1		Trigonitis.....	7	
Pyoureter.....	4		<b>Neoplasms:</b>		
Stricture ureter.....	10		<b>Benign:</b>		
<b>Congenital Conditions:</b>			Papilloma.....	13	1
Cystic kidneys.....	9		<b>Malignant:</b>		
Double pelvis and ureters..	20		Carcinoma.....	35	6
Ectopic kidney.....	5		Papilloma malignant.....	4	
Ectopic ureter.....	1		Tumour unspecified.....	2	
Horse-shoe kidney.....	4		<b>DISEASES OF URETHRA:</b>		
Hypoplasia of kidney.....	3		Abscess, peri-urethral.....	6	
Redundancy ureters.....	2		Caruncles.....	4	
<b>Neoplasms:</b>			Congestion prostatic urethra	1	
Carcinoma kidneys.....	4	1	Fistula, urethral.....	1	
Cyst.....	1		Fistula, urethro-perineal..	1	
Hæmangioma.....	2		Foreign body.....	1	
Hypernephroma.....	1	1	Phlegmon, peri-urethral....	3	
Leiomyosarcoma kidney...	1		Rupture—laceration.....	2	
Tumour unspecified.....	2				

	Total	Died		Total	Died
<b>DISEASES OF URETHRA:—<i>Con.</i></b>			<b>MALE GENERATIVE ORGANS:—<i>Con.</i></b>		
Stricture urethra (grouped)	49	4	<b>Testicle:</b>		
Urethritis acute, non-specific.....	1		Carcinoma.....	3	
Urethritis acute, gonorrhœal.....	15		Cyst, epididymis.....	1	
Urethritis chronic, non-specific.....	14		Epididymitis, acute, non-specific.....	10	
Urethritis chronic, gonorrhœal..	8		Epididymitis, acute, gonorrhœal.....	7	
Urethritis subacute, gonorrhœal.....	3		Epididymitis, chronic, non-specific.....	7	
Verumontanitis.....	1		Epididymitis, chronic, gonorrhœal.....	1	
			Epididymitis, subacute..	1	
<b>Congenital Conditions:</b>			Orchitis, acute.....	1	
Epispadias.....	4		Torsion, testicle.....	1	
Hypospadias.....	5		Undescended testicle.....	3	
Stricture.....	6		Undescended testicle with inguinal hernia. ....	2	
<b>Neoplasms:</b>			<b>Penis:</b>		
<b>Benign:</b>			Balanitis.....	1	
Papilloma.....	1		Balano-posthitis.....	1	
			Carcinoma.....	1	
<b>MALE GENERATIVE ORGANS:</b>			Fibrosis corpus cavernosum	1	
<b>General:</b>			Papilloma.....	3	
Tuberculosis (grouped)....	16		Paraphimosis.....	2	
			Phagdena.....	2	
<b>Scrotum:</b>			Phimosis.....	6	
Abscess.....	1		Redundant prepuce.....	16	
Carcinoma.....	1	1	Ulcer, chancroidal.....	1	
Cyst, spermatic cord.....	1		<b>Prostate:</b>		
Hydrocele.....	23		Abscess—inclusive.....	10	
Hæmatoma.....	1		Calculus.....	6	
Varicocele.....	12		Carcinoma.....	21	3
Wound, punctured.....	1		Prostatism.....	149	8
			Prostatitis, acute, non-specific.....	9	
<b>Seminal Vesicles:</b>			Prostatitis, acute, gonorrhœal.....	3	
Vesiculitis, seminal, acute, non-specific.....	1		Prostatitis, chronic, non-specific.....	52	
Vesiculitis, seminal, acute, gonorrhœal.....	3		Prostatitis, chronic, gonorrhœal.....	7	
Vesiculitis, seminal, chronic, non-specific.....	7		Prostatitis, subacute, non-specific.....	3	
Vesiculitis, seminal, chronic, gonorrhœal.....	1		Sarcoma.....	1	

	Total Died		Total Died
<b>FEMALE GENERATIVE ORGANS:</b>		<b>SPECIFIC INFECTIONS AND GENERAL DISEASES:—Con.</b>	
Associated conditions.....	48	<b>Associated Conditions:</b>	
<b>ABNORMALITIES OF URINE:</b>		Special skin diseases.....	10
Albuminuria.....	2	Circulatory system.....	111
Hæmaturia.....	4	Blood.....	6
<b>SPECIFIC INFECTIONS AND GENERAL DISEASES:</b>		Ductless glands.....	4
Abscess, anal.....	1	Nervous system.....	15
Abscess perineum.....	1	Bones, joints, etc.....	24
Abscess spinal cord.....	1	Eyes, ears, nose.....	7
Arthritis, gonorrhœa.....	4	Mouth, lips, cheeks, etc...	6
Cellulitis thigh.....	1	Stomach.....	4
Infection, P.O.....	1	Intestines.....	23
Pneumonia.....	4	Liver and gall-ducts.....	8
Septicæmia.....	3	Abdomen and peritoneum..	15
Sinus loin.....	3	Rectum and anus.....	5
Syphilis.....	21	Larynx, trachea, bronchi and lungs.....	32
Syphilis, primary.....	3	Pleura and mediastinum..	3
Syphilis, secondary.....	1	Puerperal state.....	3
Syphilis, tertiary.....	9	Unclassified.....	5
Syphilitic aortitis.....	1		
Tuberculosis bones and joints.....	3	Total admissions 1934.....	889
Tuberculosis larynx, lungs.	1	Total discharges 1934.....	883
Tuberculosis lungs.....	19		6
Tuberculosis lungs, miliary.	1	No. in Hospital end of year 1934	35
Typhoid fever.....	1	No. in Hospital first of year 1934	29
			6
<b>Associated Conditions:</b>		No. cured.....	194
Animal parasites.....	2	No. improved.....	573
Metabolism.....	14	No. not improved.....	70
Tumours—not elsewhere recorded.....	25	No. investigated.....	12
General injuries.....	4	No. died.....	34

# REPORT OF THE PATHOLOGICAL INSTITUTE

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*For the Year Ended December 31st, 1934.*

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To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

I herewith submit the Annual Report of the Pathological Institute of the Hospital, as usual, classified into divisions. It is noteworthy and speaks for the appreciation of the subject that the interest in the work of this Department has been fully maintained, in spite of many difficulties, and it has been able to meet these obligations as well as circumstances permitted.

The improvements in the autopsy service show an ever-widening interest from many quarters, and the records of this work and the publications emanating from it by members of the pathological staff, and in association with members of the clinical departments, indicate the scientific and practical value of this material. With certain improvements its sphere of usefulness could still be increased, but at present it is considered wise to delay further expansion.

The Division of Surgical Pathology has remained at about the same quantitative level as in previous years, while in the Department of Hæmatology a slight increase in the work is noted. The Technical Division also has been able to maintain its previous level, in spite of stringent economy. It may be said that on the whole the quality of work done by the Pathological Department has not suffered seriously and it has been able to meet the varied demands made upon it.

When it is considered that this Department has, in addition to the Hospital routine, duties imposed upon it as a teaching institution, as well as a considerable amount of personal investigation which is being constantly conducted and published, it seems fair to the Staff to record here their ever-ready willingness to carry these burdens. But with this satisfaction is also mingled the hope that in the not too distant future some relief may be obtained in order to improve the output of the Institute for practical and scientific purposes. This would require, of course, increases in personnel as well as in apparatus and supplies, but such attempts are at present out of question under a much restricted rigid system of economy.

Respectfully submitted,

HORST OERTEL,

*Pathologist-in-Chief.*

## I. DIVISION OF MORBID ANATOMY (Dr. CHASE in Charge)

During the year 1934, the Division of Morbid Anatomy made three hundred and ninety-four (394) autopsy examinations. Of these 221 were from the various departments of the Royal Victoria Hospital, while 173 autopsy requests (representing nearly 45% of the total) were received from other sources. Whereas the actual number of autopsies done for the Hospital was about the same, the relation to the number of deaths showed an increase of 3 percent over the autopsy permits received for the previous year.

Autopsy examinations from the Royal Victoria Hospital were classified as follows:—

Department	No. of Autopsies	Per- centage
Medicine (Public) . . . . .	104	53.9
Surgery (Public) . . . . .	46	50.0
Neurosurgery . . . . .	29	90.6
Special Departments . . . . .	13	40.6
Obstetrics and Gynæcology . . . . .	4	36.4
Babies, newborn . . . . .	84	68.3
Private . . . . .	7	16.7
	— Tot. Deaths	519
Total permits for post-mortem . . . . .	287	
Less babies not protocolled . . . . .	66	Percentage 55
	—	
	221	

The group of 66 newborn babies not protocolled includes many macerated fœtuses and those cases in which the routine technique showed no anatomical lesion. For these reasons they were not included in our protocolled records.

The following 173 autopsies came from outside sources:

Woman's General Hospital:		
Babies under one year . . . . .	33	
Children and adults . . . . .	46	79
Homeopathic Hospital . . . . .		26
Alexandra Hospital . . . . .		35
St. Mary's Hospital . . . . .		10
Grace Dart Hospital . . . . .		13
Royal Edward Institute . . . . .		1
Outside Requests . . . . .		6
City Morgue (Neurosurgery Cases) . . . . .		3
		—
Total autopsies from outside sources . . . . .		173

This total represents an increase of 37 cases over the previous year. The increase is mostly due to the larger number of examinations at the Woman's General Hospital where, through the organized efforts of the Staff, the percentage of autopsied deaths has been extremely high. The larger number of autopsies from the Alexandra Hospital includes a larger proportion of septic scarlet fever cases and broncho-pneumonia complicating whooping-cough.

## II. DIVISION OF SURGICAL PATHOLOGY

(Prof. WAUGH in Charge)

During the year 1934 the Department of Surgical Pathology examined two thousand, seven hundred and seventy (2,770) specimens, consisting of three thousand, four hundred and twenty (3,420) tissues and organs. From these, nine thousand, one hundred and five (9,105) histological sections were prepared for microscopic examination. These specimens were divided among the various services of the Hospital as follows:—Surgery, 1603; Obstetrics and Gynæcology, 806; Urology, 180; Oto-Laryngology, 109; Medicine, 40; Miscellaneous, 32. This represents approximately the same number of examinations as carried out in the previous year.

## III. DIVISION OF MORPHOLOGICAL HÆMATOLOGY

(Prof. WAUGH in Charge)

During the year 1934 the Department of Hæmatopathology carried out two hundred and seventy (270) blood examinations. These consisted almost entirely of complete morphological blood studies. They were divided among the various services of the Hospital as follows:—Medicine, 177; Oto-Laryngology, 8; Surgery, 48; Obstetrics and Gynæcology, 22; Urology, 2; Miscellaneous, 13. The amount of work in this department represents a slight increase over that of the previous year.

## IV. TECHNICAL DIVISION

(Mr. THOMLINSON in Charge)

The total number of slides prepared for the Pathological Department was 26,139. Of this number, 25,074 slides were prepared for the routine work in connection with the teaching, autopsy and surgical services, divided as follows: Teaching, 8,299; Autopsy Service, 7,670; Surgical Service, 5,454; Gynæcology, 3,651. The balance of 1,065 slides was made up of: large sections, 57; nerve stains, 43; miscellaneous, 965.

In the Photographic Department, approximately two hundred and thirty-five (235) photographs were taken, divided as follows: Gross specimens, surgical and autopsy, 63; microphotographs, 163; and coloured lantern slides, 9.

# REPORT OF THE DEPARTMENT OF BACTERIOLOGY

*For the Year Ended December 31st, 1934.*

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

The year under review is the first, during my tenure of office, that the Department as a whole has not been dominated by the Clinical Bacteriological investigations done for the Hospital. In the organization and development of the Department during the preceding three years, the greater urgency and more general appeal, attendant on the clinical applications of the science, justified a disproportionate favouring of the clinical work; but, throughout that time, the greater importance of the scientific and academic side of the subject was not lost sight of and sound provisions were gradually made for its development and security.

The recognition and treatment of bacterial infections are applications of the scientific knowledge gained by research and the better equipped this Department is for purely scientific work of a high order the more benefit the Hospital will gain through the clinical division. That this is recognized by several of the Attending Staff of the Hospital is evidenced by the frequency of their appeals for special investigations by the University Staff of this Department, and the unselfish co-operation of Doctor Frederick Smith in this regard, despite his many other duties, deserves the gratitude of the Hospital.

The change in relative importance of the two types of work within the Department has not interfered in any way with the improvement and enlargement in scope of the work done for the Hospital; this is amply evidenced by the figures given at the end of this report. It did necessitate a considerable readjustment of the conditions under which the work for the Hospital is carried out. The improvement this readjustment introduced, benefitting both the Hospital and the Department, is definitely appreciable even now, although it has not yet been fully developed. I feel confident that it will be possible to take advantage of the scope provided by the present arrangement, to introduce important changes which will materially amplify the usefulness of Bacteriology and Immunity in the service the Hospital renders to the sick.

Certain questions of very unusual importance, arising out of the practice of the Hospital and affecting various departments, have become recognized during recent months. These are pre-eminently

bacteriological problems and in certain respects it has been possible for the Department to improve the situation. But their complete investigation, which presents a number of serious difficulties, cannot be undertaken under present circumstances. I mention this matter because it is a good illustration of what is evident to a less degree in the increase in the work done in the Department, that the better the quality of the work done the more is expected and requested. Without in any way exaggerating the materialistic side of the question and assuming it to be evident that reasonable hours devoted to very exacting work should not be exceeded, although in practice they invariably are, I think it reasonable to expect valuable work to receive material recognition. Beyond any question of doubt, so far as this Hospital is concerned, very decided benefits have been derived from this Department during the past four years and the circumstances are open to the interpretation that altruism may still be imposed upon.

The analytical tables for this year show a further general increase in the work done. As in previous years technical improvements have been introduced; these have increased the accuracy of the work and extended its scope with proved value, particularly in a number of cases of special interest.

A comparison of the figures for the past six years show a considerable increase in the number of examinations made by the Department:

1929 . . . . .	7,782	1932 . . . . .	10,762
1930 . . . . .	10,018	1933 . . . . .	12,326
1931 . . . . .	11,055	1934 . . . . .	12,653

Coincident with the increase in work done, the facilities of the Department and the character of the work have been changed completely.

A detailed examination of the available figures presents many interesting features, but the discussion of them would necessarily be technical. Attention may be drawn to the most striking increase in the bacteriological examinations made for an individual department, Gynæcology and Obstetrics: 73 in 1931, 268 in 1932, 657 in 1933 and 893 in 1934. Of the 1934 figure 47 per cent are bacteriological examinations of throat cultures. This is no more than a numerical increase and it is only fair to say that the work requiring the greatest technical skill and knowledge is most frequently required by the Departments of Neurosurgery, Medicine and Surgery. Consultations with members of the clinical staff over cases in the wards have continued to be a remarkable feature of the development of the work of the Department.



The Department and the Hospital have suffered a great loss by the death of Doctor William Walter Beattie, in an accident on April 13th, 1934, while on leave of absence in England for purpose of special study in Doctor Colebrook's Department in the Baron Research Laboratories of Queen Charlotte's Hospital, London, England. Doctor Beattie was a very valued and skilled member of the Staff, admired and liked by all his colleagues and had been Assistant Bacteriologist to the Hospital since 1927. Great store had been set on his returning specially equipped to undertake particular investigations in Streptococcus infections.

The Department has received a graceful memorial of Doctor Beattie from his mother, Mrs. John Beattie, in the form of his microscope, microphotographic camera and several books. These are placed to his memory and used in the Clinical Bacteriology laboratories in which he himself worked.

Mr. D. H. Black, who served on the staff of the Clinical Bacteriology laboratory from December, 1931, to September, 1934, has resigned to complete his medical studies. Mr. Black contributed greatly to the development of the Department by his reliable and unremitting routine work for the Hospital during the most difficult times of the reorganization of the Department.

The vacancies thus created were filled by the appointment of Doctor T. E. Roy as Assistant in Bacteriology and the temporary appointment of Doctor Ruth P. Dow.

In conclusion, I wish to emphasize that the loyalty and interest of the entire Staff of the Department and the co-operation of the Attending Staff and Internes of the Hospital have enabled the continued progress made during the past year.

Respectfully submitted,

E. G. D. MURRAY,  
*Bacteriologist-in-Chief.*

## A. DISTRIBUTION OF GENERAL BACTERIOLOGY

	Medicine	Neurosurgery	Surgery	Urology	Gynæcology & Obstetrics	Ophthalmology	Oto-Laryngology	Pediatrics	Out-patients	Pathology	Various Departments	TOTALS
General Cultures. . .	440	43	492	199	854	74	158	117	272	33	..	2682
Blood Cultures. . . . .	130	4	76	20	36	..	18	10	4	4	..	302
Guinea-pig Inoculations. . . . .	45	2	23	66	3	..	..	5	19	..	..	163
Autogenous Vaccines. . . . .	51	..	..	..	..	..	8	4	98	..	..	161
Pneumococcus Typing. . . . .	60	..	10	1	..	..	3	1	3	4	..	82
Special Examinations. . . . .	..	..	..	..	..	..	..	..	..	..	136	136
<b>TOTALS . . . . .</b>	<b>726</b>	<b>49</b>	<b>601</b>	<b>286</b>	<b>893</b>	<b>74</b>	<b>187</b>	<b>137</b>	<b>396</b>	<b>41</b>	<b>136</b>	<b>3526</b>
<b>TOTALS for 1933. . . . .</b>	<b>688</b>	<b>..</b>	<b>708</b>	<b>225</b>	<b>657</b>	<b>67</b>	<b>170</b>	<b>134</b>	<b>429</b>	<b>62</b>	<b>..</b>	<b>3140</b>

## B. SEROLOGY

WASSERMANN TESTS		Total No. of Tests
Blood. . . . .	Strongly positive. . . . . 499	
	Weakly positive. . . . . 346	4904
Cerebrospinal Fluid. . . . .	Strongly positive. . . . . 79	
	Weakly positive. . . . . 40	651
LANGE TESTS		
Cerebrospinal Fluid. . . . .	Strongly positive. . . . . 27	
	Weakly positive. . . . . 56	131
KAHN TESTS		
Blood. . . . .	Strongly positive. . . . . 464	
	Weakly positive. . . . . 664	2576
GONO. COMPLEMENT FIXATION TESTS		
Blood. . . . .	Strongly positive. . . . . 46	
	Weakly positive. . . . . 118	676
AGGLUTINATION TESTS. . . . . 111		
ANTITOXIN TITRATIONS. . . . . 78		
TOTAL . . . . .		9127
TOTAL for 1933. . . . .		9186

# REPORT OF THE DEPARTMENT OF RADIOLOGICAL PHYSICS

*For the Year Ended December 31st, 1934.*

To the GOVERNORS OF THE  
ROYAL VICTORIA HOSPITAL.

Gentlemen:—

During 1934 the X-ray tubes of the department were changed from General Electric type to Westinghouse type in order to get increased safety to patients and attendants. When this was done it was the most effective means of protection against electrical accidents (shocks) for patients and attendants. A new dental machine was installed as the very old one in the Ross Pavilion was worn out.

The staff of the X-ray department had to be increased by one orderly, due to the time required for bringing and returning patients to the Neurological Building.

Plans for modernizing the X-ray department have been submitted to you.

The statistics show that fewer patients have been examined in the X-ray department but more films have been made than in 1933. The number of patients for X-ray treatment has remained almost the same and a few more X-ray treatments have been given than in 1933. In Urology there has been an increase in both the number of patients and X-ray films.

## TABULATION OF DATA, FIVE CONSECUTIVE YEARS

Year	Total number of patients for Skiagraphs.	Total number of films including dental.	Total number of dental films.	Total number of patients for X-ray treatments.	Total number of X-ray treatments.
1930	14,016	35,837	5,212	622	3,410
1931	14,829	34,437	5,269	733	4,117
1932	14,904	33,196	3,947	546	3,616
1933	14,549	30,646	4,169	589	3,737
1934	14,128	31,391	3,615	573	3,758

## MAIN X-RAY DEPARTMENT

1933	10,735	19,532	3,210	548	3,631
1934	10,358	20,888	3,548	517	3,611

## ROSS X-RAY DEPARTMENT

Year	Total number of patients for Skiagraphs.	Total number of films including dental.	Total number of dental films.	Total number of patients for X-ray treatments.	Total number of X-ray treatments.
1933	2,694	8,284	959	41	106
1934	2,602	7,196	67	56	147

## UROLOGY (ROSS AND "L")

1933	1,120	2,830			
1934	1,168	3,307			

## REPORT OF CASES TREATED WITH RADIUM DURING 1934

During 1934 the number of cases treated with Radium was 122, and the number of treatments was 364. There has been a steady increase during the last five months—December had the largest number of patients treated in five years. The majority of these cases are not admitted to hospital but receive daily treatment in the X-ray department.

Patients were referred from the following departments:—

Neoplastic Clinic.....	24
Dr. Pirie.....	60
Skin Department.....	20
Surgery.....	11
Nose and Throat.....	5
Eye Department.....	1
Urology.....	1
	122

Daily treatments were given as follows:—

Month	Total	Dr. Pirie and Skin Dept.	Neoplastic Clinic	Nose and Throat	Surgery	Eye	Urology
Jan.....	29	20	5	2	2	..	..
Feb.....	22	11	11	..	..	..	..
March....	10	6	3	..	1	..	..
April.....	15	8	3	..	3	1	..
May.....	32	24	5	1	2	..	..
June.....	23	16	6	..	1	..	..
July.....	30	25	5	..	..	..	..
Aug.....	38	36	2	..	..	..	..
Sept.....	22	21	..	..	1	..	..
Oct.....	31	24	6	..	..	..	1
Nov.....	48	35	10	2	1	..	..
Dec.....	63	60	2	..	1	..	..
	364	286	58	5	13	1	1

The following shows the conditions treated with Radium:—

Carcinoma of Antrum.....	3
“ “ Bladder.....	1
“ “ Breast (recurrent).....	7
“ “ Cheek, Jaw, Mouth, Palate, Tongue.....	15
“ “ Hand and Finger.....	2
“ “ Larynx.....	1
“ “ Lip.....	11
“ “ Orbit (post-operative).....	1
“ “ Skin (Back).....	1
“ “ Supraclavicular Glands.....	1
“ “ Tonsil.....	1
“ “ Thyroid.....	1
Corns and Calluses.....	1
Eczema.....	2
Fibrosarcoma of Palate.....	1
Glioma.....	1
Keloid.....	3
Leukoplakia.....	4
Lymphosarcoma.....	2
Nasal Polyps.....	2
Nævus.....	16
Parotid Tumor.....	2
Rodent Ulcers.....	30
Sarcoma.....	2
Senile Warts and Keratosis.....	6
Warts.....	5

Respectfully submitted,

A. HOWARD PIRIE,

*Ræntgenologist-in-Chief.*

# DEPARTMENT OF ROENTGENOLOGY

## CASES TREATED BY X-RAY DURING 1934

Disease	No. of Cases	Disease	No. of Cases
Acne.....	32	Glioma.....	2
Adenoma Pituitary.....	2	Gliomablastoma.....	3
Arthritis.....	8	Glandular Enlargement.....	2
Asthma.....	4	Goitre.....	6
Basal Celled Epithelioma.....	3	Hodgkin's Disease.....	9
Bazin Disease.....	1	Hyperidrosis.....	7
Boils.....	4	Herpeszoster.....	1
Brain Tumour.....	7	Indurated Plaque.....	1
Bromidrosis.....	1	Keloid.....	2
Bursitis.....	3	Leukæmia.....	5
Callus.....	1	Lichen Planus.....	5
Carcinoma Abdomen.....	5	Lupus Vulgaris.....	1
"    Antrum.....	1	Lymphadenoma.....	1
"    Bladder.....	2	Lymphosarcoma.....	1
"    Breast.....	12	Maiden's Foot.....	5
"    Buttock.....	1	Mediastinal Tumour.....	2
"    Cervix.....	5	Metrorrhagia.....	4
"    Face.....	5	Moles.....	2
"    Forehead.....	1	Neavus.....	4
"    Hip.....	1	Pituitary Gland.....	2
"    Kidney.....	4	Polypi.....	1
"    Larynx.....	2	Pruritis Ani.....	10
"    Lungs.....	2	"    Vulvæ.....	1
"    Palate.....	1	Psoriasis.....	6
"    Pelvis.....	6	Ringworm.....	9
"    Pharynx.....	1	Rodent ulcer.....	5
"    Prostate.....	4	Sarcoma Leg.....	2
"    Ovary.....	6	"    Lungs.....	3
"    Neck.....	1	"    Mediastinum.....	1
"    Glands.....	5	"    Parotid.....	1
"    Thumb.....	1	"    Shoulder.....	1
"    Sternum.....	3	"    Pelvis.....	4
"    Spine.....	8	"    Skull.....	1
"    Thyroid.....	2	"    Spine.....	1
"    Tongue.....	3	Septic Tonsils.....	9
"    Stomach.....	2	Shingles.....	1
"    Testis.....	2	Sterilization.....	17
"    Throat.....	1	Sycosis.....	11
"    Uterus.....	3	Tumour Pituitary.....	1
"    Vulva.....	1	"    Skull.....	1
"    Tonsils.....	1	Tuberculosis Breast.....	1
Corn.....	5	"    Elbow.....	1
Cyst.....	1	"    Adenitis.....	3
Dermatitis.....	98	"    Glands.....	9
Eczema.....	10	"    Frontal bone.....	1
Enlarged Glands.....	2	"    Peritonitis.....	1
Enlarged Thymus.....	15	Varicose Veins.....	1
Fibro Sarcoma.....	2	Vernal Conjunctivitis.....	2
Fibroid Uterus.....	4	Warts.....	38
Folliculitis.....	1	Unclassified.....	6
Ganglion.....	1		

# LIST OF CLINICS OUT-PATIENT DEPARTMENTS

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## MAIN BUILDING

Asthma.....	Wed. and Sat.....	9-10 A.M.
Bronchoscopic.....	Tues. and Fri.....	9-10 A.M.
Cancer.....	Mon. and Thurs.....	10-11 A.M.
Cardio-Renal.....	Tues. and Fri.....	9-10 A.M.
Dermatology.....	Mon. and Wed.....	1-2 P.M.
Epilepsy.....	Wednesday.....	1-2 P.M.
Fracture.....	Mon., Wed. and Fri.....	10-11 A.M.
Gastro-Intestinal.....	Mon. and Thurs.....	9-10 A.M.
General Medical.....	Daily.....	9-10 A.M.
Genito-Urinary.....	Female, Thurs.....	9-10 A.M.
	Male, Daily.....	11.30 A.M.-12.30 P.M.
Hæmatology.....	Wednesday.....	1-2 P.M.
Oto-Laryngology.....	Tues. and Fri.....	1-2 P.M.
Metabolism (Diabetic).....	Thursday.....	1-2 P.M.
“ (Ductless Glds.).....	Wednesday.....	9-10 A.M.
Neurosurgery.....	Tues. and Fri.....	1-3 P.M.
Neurology.....	Mon. and Thurs.....	1.30-2.30 P.M.
“ (New Cases).....	Daily.....	12-1 P.M.
Orthopædic.....	Tues. and Fri.....	1-2 P.M.
Ophthalmology.....	Tues. and Fri.....	1-2 P.M.
Psychiatry.....	Tues. and Fri.....	1-2 P.M.
Pædiatrics.....	Daily.....	9-10 A.M.
Pulmonary.....	Wed. and Sat.....	9-10 A.M.
Rectal.....	Mon. and Thurs.....	1-2 P.M.
Surgical.....	Daily.....	10-11 A.M.
Varicose Veins.....	Tues. and Thurs.....	10-11 A.M.

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## WOMEN'S PAVILION

Gynæcology.....	Daily Except Saturday...	2-3 P.M.
Pre-Natal.....	Daily Except Saturday...	2-3 P.M.

## REGULATIONS

### GOVERNING PUBLIC WARD PATIENTS

- ACCOUNTS** All patients' accounts are rendered weekly and are payable within two days from date rendered. The final account must be paid in full before the patient leaves the Hospital.
- CHEQUES** UNACCEPTED CHEQUES WILL NOT BE ACCEPTED BY THE HOSPITAL.
- CHAPLAINS** Clergymen, ministers of religion, and the authorized representatives of religious bodies, shall be admitted to the wards upon terms of equality for the purpose of visiting and extending religious ministrations to the sick inmates of their own creed or denomination, at such times and under such conditions as in the judgment of the Superintendent will not unduly interfere with the medical or surgical treatment and care of patients; they are, however, to confine their conversation to persons of their own creed or denomination, and to refrain from addressing or distributing books or pamphlets to other patients, unless by special invitation of the same when conveyed through or with the sanction of the Superintendent.
- TRANSFER** A patient who desires to be transferred from a Public Ward to a Private Room must first of all settle the Public Ward account and Deposit the sum of \$40.00. The patient will be responsible for all extra charges incurred (as per Schedule of Charges for Private Patients), and the Professional Fee of the Attending Physician, Surgeon or Specialist from date of admission to Private Room.
- VALUABLES** VALUABLES SHOULD BE HANDED OVER TO THE NURSE IN CHARGE OF THE WARD, WHO WILL ENTER THEM IN A BOOK FOR THAT PURPOSE, AFTER WHICH THEY WILL BE DEPOSITED IN THE HOSPITAL VAULT. THE HOSPITAL WILL NOT BE RESPONSIBLE FOR ANY MONEY OR VALUABLES RETAINED IN THE WARD BY A PATIENT. VALUABLES WILL BE DISPOSED OF IF UNCLAIMED WITHIN THIRTY DAYS AFTER DISCHARGE OR DEATH OF PATIENT.



# VISITORS

## PUBLIC WARDS

Friends are permitted to visit Public Ward Patients on the following days:—

Wednesday . . . . . 3 to 4 P.M.  
Friday . . . . . 3 to 4 P.M.  
Sunday . . . . . 3 to 4 P.M.

Visitors are not allowed in the Children's Wards "N" and "H" without obtaining special permission from the Office Manager.

No more than two visitors shall be admitted at once to see any patient.

Visitors must observe perfect order and propriety while in the Hospital; must confine their visits to their immediate friends; must not stay or loiter in the halls, corridors or offices or on the stairways, and must leave the building promptly at the end of the visiting hours.

## WOMEN'S PAVILION

### 2nd FLOOR

Husbands only are permitted to visit Public Patients on the following days:—

Sunday . . . . . 2 to 3 P.M.  
Tuesday and Thursday . 7 to 8 P.M.

Semi-Public Patients—Any two visitors are permitted to visit patients on the following days:—

Sunday }  
Tuesday } 2 to 3 P.M.  
Thursday }  
Every Night—7 to 8 P.M.—Husbands only.

### 5th FLOOR

Friends are permitted to visit the patients on the following days:—  
Public Patients:—

Sunday }  
Wednesday } 3 to 4 P.M.  
Friday }  
Wednesday—7 to 8 P.M.

Semi-Public Patients:—

Sunday }  
Wednesday } 3 to 4 P.M.  
Friday }  
Every Night—7 to 8 P.M.

Semi-Private Patients:—

Every day between the hours:  
10 A.M. to 12 Noon.      2 P.M. to 4 P.M.  
7 P.M. to 9 P.M.





