DEPARTMENT OF PROVINCIAL SECRETARY

•

MENTAL HOSPITALS

PROVINCE OF BRITISH COLUMBIA

ANNUAL REPORT

FOR 12 MONTHS ENDED MARCH 31st

1946

VICTORIA, B.C.:
Printed by Don McDiarmid, Printer to the King's Most Excellent Majesty.
1947.

To His Honour C. A. BANKS,
Lieutenant-Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully submits herewith the Annual Report of the General Superintendent of the Mental Hospitals for the fiscal year ended March 31st, 1946.

GEO. S. PEARSON,
Provincial Secretary.

Provincial Secretary's Office.

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DEPARTMENT OF THE PROVINCIAL SECRETARY.

Hon. GEORGE S. PEARSON, *Provincial Secretary.*

P. WALKER, *Deputy Provincial Secretary.*

A. L. CREASE, M.D., C.M., *General Superintendent and Provincial Psychiatrist.*

E. J. RYAN, M.D., C.M., *Medical Superintendent.*

GOWAN S. MACGOWAN, *Business Manager.*

OFFICERS AND STAFF, ESSONDALE.

Medical:

A. M. GEE, M.D., C.M., L.M.C.C.
U. P. BYRNE, M.B., D.P.H., L.M.C.C.
J. M. JACKSON, M.D., L.M.C.C.
A. E. DAVIDSON, B.A., M.D., L.M.C.C.
T. G. CAUNT, M.D., L.M.C.C.
G. KIRKPATRICK, M.D., L.M.C.C.
A. J. WARREN, M.D., D.P.M., L.M.C.C. (on Active Service).
L. G. C. D'EASUM, M.B., L.M.C.C.
B. F. BRYSON, M.D., L.M.C.C.
R. C. NOVAK, M.D., L.M.C.C.
F. E. MCNAIR, B.A., M.D., C.M., L.M.C.C.
R. L. WHITMAN, B.SC., M.B., D.P.M., L.M.C.C.
R. M. RICE, B.SC., M.B., L.M.C.C.
MILTON JONES, D.D.S.

C. B. WATSON, M.A., *Psychologist* (on Active Service).
W. R. BROWN, *Director of Recreation.*
K. WOOLCOCK, *Pharmacist.*
W. CREBER, *Chief Attendant.*
Miss M. PARSONS, R.N., *Director of Nursing.*
Miss E. M. PULLAN, R.N., *Instructress of Nurses.*
Miss J. F. KILBURN, R.N., *Social Service.*
Miss B. COOPER, *Dietitian.*
Miss D. A. TISDALL, *Occupational Therapist.*
Mrs. I. H. WEDGE, *Branch Secretary.*
Miss A. DINGLE, *Clinical Clerk.*

Business:

THOS. WEEKS, *Paymaster.*
F. A. MATHESON, *Assistant Bursar.*
W. HEADRIDGE, *Steward.*

J. F. ANDERSON, *Cost Accountant.*
Miss J. K. GORDON, *Stenographer.*
W. E. SKILLICORN, *Book-keeper.*

Chaplains:

Rev. W. BARLOW, *Protestant.*

Rev. Father J. M. BARRY, *Roman Catholic.*

Trades, Essondale:

J. L. MALCOLM, *Engineer.*
J. RENTON, *Outside Overseer.*
W. G. ARMOUR, *Baker.*
H. LONSDALE, *Foreman of Works.*
A. COOTER, *Chief Cook.*

W. WORRALL, *Laundryman.*
T. HARRISON, *Electrician.*
G. MATTHEWS, *Plumber.*
A. L. BLAIR, *Barber.*
B. T. BROWN, *Auto Mechanic.*

R. T. HALL, *Occupational Therapy.*

OFFICERS AND STAFF, NEW WESTMINSTER.

Medical:

L. E. SAURIOL, M.D., C.M., L.M.C.C., *Medical Supervisor.*
C. E. BENWELL, M.B., L.M.C.C.
K. B. SUNDERLAND, M.B., L.M.C.C.
F. GILLARD, *Clinical and Receiving Clerk.*
Miss V. M. SANDERS, R.N., *Superintendent of Nurses.*
Miss W. FIGHTER, R.N., *Assistant Superintendent of Nurses.*
CHARLES MONTEITH, *Chief Attendant.*

Business:

A. FRASER, *Steward.*

Chaplains:

Rev. J. L. SLOAT, *Protestant.*
Rev. Father A. B. BERGIN, *Roman Catholic.*

Trades, New Westminster:

R. GOW, *Carpenter.*
C. STAPLETON, *Gardener.*
J. H. WILSON, *Chief Engineer.*
H. BAILEY, *Farmer.*
G. COULSON, *Laundryman.*
J. MCMILLAN, *Shoemaker.*
WM. POWELL, *Painter.*
G. CARRUTHERS, *Acting Head Tailor.*
C. M. DOYLE, *Plumber.*

COLONY FARM.

P. H. MOORE, B.A., B.S.A., *Superintendent.*

OFFICERS AND STAFF, COLQUITZ.

GEO. HALL, M.D., C.M., *Visiting Physician.*

T. A. MORRIS, *Supervisor.*
P. MCLEOD, *Chief Attendant.*

Report of the Medical Superintendent

for the Twelve Months ended March 31st, 1946.

PART I.—MEDICAL.

PROVINCIAL MENTAL HOSPITAL,
ESSONDALE, B.C., April 1st, 1946.

The Honourable the Provincial Secretary,
Parliament Buildings, Victoria, B.C.

SIR,—I have the honour to submit herewith for your consideration the Seventy-fourth Annual Report of the Provincial Mental Hospitals at Essondale, New Westminster, and Saanich.

The following table gives a brief summary of the movements of the Hospital population during the year April 1st, 1945, to March 31st, 1946:—

Movement of Population.	Male.	Female.	Total.
In residence, April 1st, 1945	2,399	1,620	4,019
On probation, but remaining on registers	63	97	160
On escape, but remaining on registers	1	.....	1
New admissions during current year	446	388	834
Total under treatment	2,909	2,105	5,014
Discharged in full during year	252	227	479
Continued on probation at end of year	81	102	183
Died during year	161	79	240
Total discharged during year	494	408	902
In residence, March 31st, 1946	2,415	1,697	4,112

(1.) Increase in number of admissions	12
(2.) Net increase in population	93
(3.) Rate of deaths to total treated	5.84
(4.) Rate of discharges to admissions (exclusive of deaths)	57.43

ADMISSIONS.

An analysis of the birth column shows that, of the number admitted, 429 (or 51.44 per cent.) were Canadian born, 235 (or 28.16 per cent.) were born in other parts of the British Empire, and 164 (or 19.70 per cent.) were of foreign extraction; 6 were unknown.

DISCHARGES.

The following table shows that the shorter the duration of the mental illness prior to admission, the greater are the chances of recovery through treatment:—

TABLE SHOWING ALLEGED DURATION OF INSANITY, PRIOR TO ADMISSION, IN THOSE DISCHARGED FROM THE THREE INSTITUTIONS DURING THE YEAR APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Less than six months	240
Over six months	117
Not insane	11
Duration unknown	111
Total	479

During the year 479 patients were discharged in full. Of this number, 117 were discharged as recovered, 232 as improved, 119 as unimproved, and 11 as not insane.

In the last few years psychiatry has come greatly to the fore as a real medical specialty. The great impetus rendered to this study has been caused in no small measure by the open criticism given to it by the public write-ups of mental hospitals in the press and the stories told over the radio. It has come about through many factors, such as mental illness affecting so large a number, low salaries given to employees caring for the patients, very low *per capita* cost for their treatment, together with the fact that these services are supposed to share the same as other services where the real expenditure has been better understood. There is also unreasonable delay in supplying accommodation for the proper treatment and care of those suffering from mental illness, and there is definite lack in furnishing ample prevention and research. It is indeed a great satisfaction to our employees, patients, and the vast number of relatives to know that you have attacked this situation rather than remain neutral or retreat from this perplexing problem.

The stress you have placed on education and raising the standard of the staff, giving them more security, the raising of the pitifully low *per capita* cost, the provision for recreation, occupation and the treatment of the patients, provision for prevention of mental illness, encouraging research, furnishing more accommodation—all these are basic needs on which better mental hygiene is actually founded.

Before the war education of the nursing staff, both female and male, was carried on but with a skeleton service. During the war this phase suffered greatly, but since the war, it has been brought up to a more generally accepted standard. It has taken time. The employees are unanimous in expressing the fact that these courses follow those standards set by the Canadian and American Mental Hygiene Commissions, which are gradually enhanced as newer phases of teaching develop and higher standards of applications are required. A larger number of doctors are employed, and here again teaching has been instituted and provision made for higher education. This course follows the premises of the total personality rather than the phase of just psychiatry alone. Fortunately, we have on our staff a considerable number of specialists to carry out this phase of the work. The teaching includes the broad programme of treatment and also preventive work in connection with both the adult and child. Recreation and occupational work are receiving attention and are being placed in the field of general treatment. The study of neurology, as well as psychiatry, is being forwarded, and considerable neurosurgery (most competently done under Dr. Frank Turnbull) has resulted in much benefit to both the patients and hospital. This is a newer phase of treatment which is now accepted by the noted neurological surgeons of America.

TREATMENT.

(*a.*) The insulin treatment has been continued, as it has proven its value over the years in aiding the schizophrenic and other cases. The number of those treated and the resultant state as to the degree of assistance given to these patients is set out in the following table:—

	Total.	Per Cent.
Recovered	23	26
Much improved	11	12
Improved	35	39
Unimproved	20	23
Total	89	

Disposal—	Total.	Per Cent.
Discharged	52	58
Discharged later	5	6
Transferred to electro-shock	11	12
Remaining	21	24
Total	89	----

One naturally looks primarily at the benefit the patient receives, but the saving in the large amount of money to the hospital must not be overlooked in any form of treatment administered.

(*b.*) The electric shock treatment has shown more and more beneficial results. It has wide application in the various cases, which is set out clearly below, and the complete course was given to 239 patients:—

	Male.	Female.	Total.	Percentage.
Recovered	13	25	38	15.89
Much improved	15	19	34	14.23
Improved	19	67	86	35.89
Unimproved	25	56	81	33.89
Totals	72	167	239	.....
Disposal—				
Discharged	23	55	78	32.64
Discharged later	9	14	23	9.62
Discharge pending	2	2	4	1.67
Discharged to insulin shock therapy	10	25	35	14.64
Transferred to lobotomy	....	4	4	1.67
Remaining in hospital	24	66	90	37.65
Died later	4	1	5	2.09
Totals	72	167	239	.....

We were very fortunate to obtain the interest and services of Dr. Frank Turnbull to guide our neurological branch; he operates on, and watches over, the after-treatment of our lobotomy cases. He has already done nine cases, with much benefit to the patients and the hospital. Positively the most outstanding types were chosen—those who were most difficult to treat and who did not respond to any other known methods. Results are not given for the reason that Dr. Turnbull will report them later on when the numbers are sufficient for a special article.

In recent years the method of treating the venereal disease cases has improved tremendously. Last year 54 such patients underwent remedial care.

At the present time the X-ray Department is doing chest X-rays on all the admissions and on the general whole patient population each year. This enables tubercular cases to be diagnosed very early, and proper treatment instituted in the incipient stages. As a result, our incidence of tuberculosis is greatly reduced. There are at the present time 69 active tubercular cases under treatment at Essondale. This same procedure is carried on at the New Westminster branch, and a total of 14 active cases are under treatment there. The work in this department has greatly increased. The chests of the patients are checked on admission and at stated periods. The staff is also carefully watched. These procedures are naturally to the advantage of the hospital and Province at large, but it makes this branch of our service busier than ever, as can be seen in the report, and it is now considered that a full-time head should take over. Dr. Gee has always done this work, but now must be relieved of this ever-growing demand.

The optometrist was able to examine and prescribe for 143 patients and, in addition, carry on the required repairs arising in this field. There has been much relief given to those suffering from eye strain.

The laboratory has done excellent work and under difficult circumstances of being understaffed due to war conditions; nevertheless, it has always been of great aid to the medical service. The volume of work has been considerable, and the overcrowded conditions affect this situation to a great degree, but, even with the presence of these difficulties, the reports come through in fairly good time, and the entire number of examinations totalled in all 18,873.

In the Physiotherapy Department much good work has been accomplished, yet sufficient staff has not been available to enable us to extend this treatment to the degree we have in mind.

Psychology has been instituted in the hospital to a more practical degree, as will be seen by the report given elsewhere. This study is to be placed in the educational field and worked up as circumstances permit. The present battery of test carried on gives the doctors a clearer insight into the status of the personality.

Dr. Milton Jones has been very active in the dental service to the patients. Much was done in the way of treatments, fillings, repair, and prophylaxis, with considerable relief and satisfaction to those cared for.

The activity in the Occupational Department has continued during the year. Great difficulty is still experienced in obtaining the proper materials, and there again shortage of staff is in evidence. This service is much appreciated by the patients and is a satisfactory method of treatment for those engaged in it.

The work in the beauty-parlour is progressing favourably. We are hoping to have more operators; those already in this department are interested and enthusiastic and anxious to build it up. They have opened a manicuring-booth and are doing some facials and scalp treatments as well as marcels and finger-waves. Patients are also receiving haircuts regularly, and a big improvement has been noted in this respect. A radio has been installed and has proven to have beneficial effects; the patients are quieter and there are fewer disturbed reactions.

Miss Parsons, R.N., was made Director of Nursing following the resignation of Mrs. Duke. Miss Pullan, in turn, took over Miss Parsons' place as senior instructress in the nursing-school. In order to build up the teaching personnel, two chosen nurses were sent to the nursing-school at McGill, where they had service in the Allan Memorial Psychiatric Institute. Their experience has been most valuable to the hospital, especially in the training of personnel. Miss Parsons is pleased at the progress made in our school, and it has been difficult to carry on, as you are all aware what a stringent shortage there is in the whole field of nursing.

The Social Service Department has had a large load to carry. It is a long, tedious road to travel to gain sufficient trained staff. This is natural because it is a recent service, and excess trained personnel is not available. However, the growth of the service is steady and of great value to the patients in receiving information about the family situation and preparing the family for the return of the patient and his re-establishment. The field service throughout the Province has always been a great aid in furthering the rehabilitation of the patient in the home as well as giving a full picture of the situation from which he came.

The work of the Child Guidance Clinic has increased. The growth and demand for clinical service for children have made it necessary to appoint Dr. Byrne as Director of Clinics. He is arranging for a full-time clinic in Vancouver and Victoria, and also a travelling clinic to periodically cover the whole Province. They are able to go to only the principal towns on occasions. There is difficulty in selecting personnel, and it is

not possible to do more than is being done at the present time. There is need of a second clinical team in Vancouver, but this will be arranged for at a later date.

In order to relieve the monotony of institutional life and enhance the treatment of patients, a Director of Recreation has been appointed. In the experience of the institution, rarely has anything been received with such outspoken favour by patients and staff as adding recreation to our programme. In the past, moving pictures have been shown weekly, but not all could attend, so now shows are put on actually in the wards by using the 16-mm. machine. In this way picture shows are available to every patient. Music is supplied at the dances and other entertainments. In folk-singing, pieces are shown on the screen. Outdoor music is used also by the public address hook-up system.

CHANGES IN STAFF.

V-E Day, May 7th, 1945, and V-J Day, August 14th, 1945, were days of great rejoicing to us all. Not only did it mean the end of hostilities, but it meant that our doctors who were on active service would be coming back to us, and also that our numerous trained attendants and other personnel would be returning as well.

Mrs. Duke, who had been our Superintendent of Nurses for many years, left to be with her husband, following his return from overseas.

Dr. R. L. Whitman, D.P.M., joined our staff, following his retirement from the Army.

Harry Bailey, attendant at our institution in New Westminster, and Mr. Adams, engineer at Essondale, were superannuated July 31st, 1945. Also, on March 31st, 1946, H. E. Bristow and C. E. S. Wilkinson, attendants at New Westminster, were superannuated, and the institution feels the loss of these valued employees who have served us long and faithfully.

COMMENTS.

The cottages for the treatment of elderly patients are well under way and will serve to accommodate some of those who have been admitted during the period of construction, and will thus assist a little towards relieving the overcrowding. The buildings are comfortable, well planned, pleasant, durable, and are of cheaper construction.

The new treatment unit is under construction, the excavations having started in January, 1946. This is a unit which is long overdue. Here will be housed the newly admitted cases, who will receive treatment in the most modern setting. The doctors are eagerly waiting to see its completion so that they will be able to have the proper facilities for treating their patients and can classify them in a proper degree.

RECOMMENDATIONS.

In the over-all mental hygiene programme our former suggestions (if they are carried out) will round out a proper form of dealing with the situation; but there is one outstanding gap, and that is the provision for out-patient treatment of adult cases, and also preventive care. The purpose of this clinic is to handle early psychotics, pre-psychotics, psychoneurotics, and psychosomatic cases. In our humble opinion the out-patient service of the future will be greater than the in-patient treatment, in the light of modern knowledge of mental hygiene. It will be much more satisfactory to the patients, relatives, and employees, and furthermore it will be a great deal more economical.

ACKNOWLEDGMENTS.

I would like to extend my very grateful thanks to all those who have assisted in the work of the hospital. In this connection I wish to especially mention Dr. Ryan and Dr. Gee, whose keen interest in and deep knowledge of all hospital matters have done so much towards its smooth running.

I also wish to voice my appreciation of all those who have worked so faithfully during the year and whose unfailing co-operation has done much towards helping the hospital maintain its programme.

I wish to thank the returned soldier organizations for their continued interest in our many returned soldier patients, and for the extra comforts and entertainment provided them.

Our thanks are due to the members of the Provincial Police Department for their courteous co-operation at all times.

The work of our branch at New Westminster, which, as you are aware, cares for our subnormal class of patient, is most ably carried on under the directorship of Dr. L. E. Sauriol. Regular school classes are held, which are in charge of five graduate school-teachers. Notable progress is being made, and the children are greatly interested in their studies. More recreation is provided; there is now an industrial arts teacher who assists in the occupational therapy department. Altogether, these children are cheerful, busy, and happy, and we feel grateful to those who have been untiring in their efforts to promote the welfare of these cases, which are often more difficult of treatment.

I wish also to make favourable mention of Mr. Macgowan, our business manager, upon whose department falls the heavy responsibility of the financial and business side of this large institution, and it is only due to their keen interest and foresight that the hospital has not suffered unduly from the current shortages of materials and foodstuffs.

I would also wish to speak of the excellent co-operation and assistance I have received from T. A. Morris, supervisor of our branch institution at Saanich, and also from Mr. Lonsdale, the foreman of works at Essondale.

Finally, to you, sir, and the Deputy Minister, and the officers of the Public Works Department, I wish to extend my sincere gratitude for your keen sympathy and appreciation of the many problems which arise in maintaining a mental hospital of this size. We have come a long way and are still looking forward, but our progress has only been made possible by the close co-operation and assistance rendered by your Department.

I have the honour to be,
Sir,
Your obedient servant,

A. L. CREASE,
General Superintendent.

LABORATORY REPORT.

PROVINCIAL MENTAL HOSPITAL,
ESSONDALE, B.C., March 31st, 1946.

A. L. Crease, Esq., M.D.,
General Superintendent, Provincial Mental Hospital, Essondale, B.C.

SIR,—The following is the report of the work performed in the laboratory at Essondale from April 1st, 1945, to March 31st, 1946:—

Blood—

Kahn, positive	75
Kahn, negative	809
Red blood-count and hæmoglobin	1,384
White blood-count and differential	1,757

Blood—*Continued.*	
Sedimentation rate	444
Coagulation time	5
Bleeding time	5
Platelet count	3
Reticulocyte count	8
Prothrombin time	3
Fragility	3
Grouping	322
Cross-agglutination	35
Schilling count	3
Glucose	79
Glucose tolerance	3
Non-protein nitrogen	52
Urea nitrogen	4
Uric acid	1
Creatinine	4
Cholesterol	4
Bromide	38
Rh. agglutination	27
Iron	5
Culture	20
Widal	79
Agglutination for *B. abortus*	17
Paul Bunnell	1
Serum—	
Calcium	10
Phosphorus	3
Icterus index	17
Van den Bergh	28
Phosphatase (alkali)	3
Phosphatase (acid)	1
Hanger flocculation	15
Spinal fluid—	
Kahn, positive	53
Kahn, negative	52
Cell-count	19
Colloidal gold	103
Total protein	2
Sugar	1
Urines—	
Routine general	4,435
Acetone	1,653
Quantitative sugar	530
Bromides	651
Benzidene	456
Quantitative albumin	46
Ascheim-Zondek	17
Bile	45
T.B.	1
Urobilinogen	52
Barbiturate	1

Smears—	
Miscellaneous	451
Gonococcus	90
T.B.	17
Vincent's angina	28
Malaria	17
Trichomonas	5
Fontana	4
Sputum for T.B.	88
Cultures—	
Miscellaneous	105
T.B.	1
Typhoid	702
Dysentery	1,171
Fæces—	
Parasites	6
Occult blood	7
Injections—	
Typhoid vaccine	504
Diphtheria vaccine	15
Staphylococcus toxoid	91
Pollen antigen	12
Scarlet fever toxin	72
Skin tests—	
Tuberculin (Vollmer)	179
Pollen sensitivity	25
Dick test	38
Schick test	10
Schultz Charlton	3
Smallpox vaccinations	95
Gastric analysis	9
Gastric for T.B.	7
B.M.R.'s	54
Biopsies	3
Autopsies	38
Animal autopsies	25
Sections	674
Donors supplied	20
Water for bacterial count	1
Water for pH	12
Water for total acidity	1
Agglutinations for dysentery	585
Agglutinations for typhoid	183
Electrocardiographs	32
Penicillin assay	1
Ascorbic acid determinations	43
Pneumo typing	1
Dark field	2

Ascitic fluid for cell count	1
Ascitic fluid for Rivalta test	1
Total number of examinations	18,793

I have, etc.,

ALICE HAGEN,
Technician.

X-RAY REPORT.

A. L. Crease, Esq., M.D.,
General Superintendent, Provincial Mental Hospital, Essondale, B.C.

SIR,—The following is the report of the work performed in the X-ray department of the hospital from April 1st, 1945, to March 31st, 1946:—

Number of films taken	7,573
Number of patients X-rayed	6,777

	Patients.	Films.
Chests	6,114	6,166
Gastro-intesinal	27	68
Pelvis	125	155
Extremities	268	639
Heads	39	87
Spine	68	153
Shoulders	32	61
Urinary bladder	2	3
Kidney	3	3
Jaws	17	30
Sinuses	12	29
Teeth	30	84
Mastoid	6	16
Ribs	14	28
Colon	5	17
Gall-bladder	8	23
Soft tissue	2	4
Nose	5	7
	6,777	7,573

I have, etc.,

A. M. GEE,
Physician and Roentgenologist.

PHYSIOTHERAPY REPORT.

A. L. Crease, Esq., M.D.,
General Superintendent, Provincial Mental Hospital, Essondale, B.C.

SIR,—Following is a report of the treatments which were given in the physiotherapy department at Essondale from July 1st, 1945, to March 31st, 1946:—

	Male.	Female.	Total.
Continuous baths	189	655	844
Cold wet packs	.....	55	55
Foam baths	109	43	152
Electric cabinet baths	47	.....	47
Needle showers, rain douches, etc.	30	.....	30
Massage, active and passive movements	210	295	505
Inductothermy	298	305	603
Infra-red radiation	95	172	267
Ultra-violet radiation	175	229	404
Miscellaneous	188	.....	188
Total number of treatments	1,341	1,754	3,095
Total number of patients treated	186	252	438

I have, etc.,

ALLEN E. DAVIDSON,
Physician.

PSYCHOLOGISTS' REPORTS.

PROVINCIAL MENTAL HOSPITAL.

A. L. Crease, Esq., M.D.
General Superintendent, Provincial Mental Hospital, Essondale, B.C.

SIR,—Following is a report of work performed for the fiscal year ended March 31st, 1946:—

Stanford-Binet	10
A.S. Reaction Study	24
Bell Adjustment Inventory	33
Bernreuter Personality Inventory	32
Gamin	34
Guilford-Martin Inventory	33
Kuder Preference Record	16
Minnesota Multiphasic	24
Personality Schedule	25
Purdue Pegboard	10
Harrower-Erickson Rorschach Test	8
S.T.D.C.R.	30
Strong Inventory	3
Wechsler-Bellevue	47
Willoughby E-M Scale	13
Behaviour Rating Scale	5
Total	347

I have, etc.,

Z. THOMPSON,
Psychologist.

CHILD GUIDANCE CLINIC.

A. L. Crease, Esq., M.D.,
General Superintendent, Provincial Mental Hospital, Essondale, B.C.

SIR,—Following is a report of work performed for the fiscal year ended March 31st, 1946:—

	Vancouver.	Victoria.	Nanaimo and Courtenay.	Chilliwack.	New Westminster.	Penticton.	Vernon.	Total.
Stanford Binet	537	91	19	19	15	3	4	688
Cattell Infant Intelligence	40	....	....	1	....	....	....	41
California Mental Maturity	12	....	....	....	....	....	....	12
Porteus Maze	3	....	....	....	....	....	....	3
Betts Telebinocular	200	....	....	....	....	....	....	200
California Test of Personality	150	34	8	5	10	....	2	209
Minnesota Multiphasic	91	12	....	....	....	....	....	103
Humm-Wadsworth	17	....	....	....	....	....	....	17
Stogdill Behaviour Cards	1	....	....	....	....	....	....	1
Monroe Reading	83	13	4	4	5	....	2	111
Haggerty Reading	43	15	2	6	6	....	2	74
Gray's Oral Reading	1	....	....	....	....	....	....	1
Iota Word Test	2	....	....	....	....	....	....	2
Word Discrimination Test	1	....	....	....	....	....	....	1
Detroit Word Recognition	1	....	....	....	....	....	....	1
Columbia Vocabulary	1	....	....	....	....	....	....	1
Ayres Spelling	29	3	4	5	5	....	....	46
Stanford Arithmetic	43	9	6	7	5	....	....	70
Strong Vocational Interest	20	....	....	....	....	....	....	20
California Occupational Interest	10	1	....	....	....	....	....	11
Minnesota Clerical Aptitude	3	....	....	....	....	....	....	3
Turse Shorthand	2	....	....	....	....	....	....	2
Nursing Aptitude	1	....	....	....	....	....	....	1
Stanford Scientific Aptitude	6	....	....	....	....	....	....	6
Meier Art Judgment	9	....	....	....	....	....	....	9
Bennett Mechanical Comprehension	13	....	....	....	....	....	....	13
MacQuarrie Mechanical Aptitude	1	....	....	....	....	....	....	1
Crawford Tri-dimensional	5	....	....	....	....	....	....	5
Minnesota Rate of Manipulation	2	....	....	....	....	....	....	2
Purdue Pegboard	32	....	....	....	....	....	....	32
Tweezer Dexterity	3	....	....	....	....	....	....	3
Ishihara Colour-blindness	1	....	....	....	....	....	....	1
Special Observation	1	1	....	....	....	....	....	2
Vocational Guidance Interviews	40	....	....	....	....	....	....	40
Tutoring in Reading	8 hrs.	....	....	....	....	....	....	8
Totals	1,412	179	43	47	46	3	10	1,740

I have, etc.,
MARJORIE MUNRO,
Psychologist.

DENTAL REPORT.

A. L. Crease, Esq., M.D.,
General Superintendent, Provincial Mental Hospital, Essondale, B.C.

SIR,—Following is the annual report of the dental department from April 1st, 1945, to March 31st, 1946:—

PROVINCIAL MENTAL HOSPITAL, ESSONDALE.

All patients able to be present were examined, and dental charts filed. All acute conditions were given precedence, and all suffering relieved the same day as reported.

Dentures were made for patients recommended by members of the medical staff. Restorations of carious teeth have been made as far as possible.

Summary.

Examinations	645
Extractions	728
Fillings inserted	258
Treatments	137
Local anæsthetics	392
Dentures repaired	58
Dentures rebased	12
Dentures made	40
Bridges repaired	2
Alveolotomy	11
Prophylaxis	142
Davis crown	1

PROVINCIAL MENTAL HOSPITAL, NEW WESTMINSTER.

All new patients were examined and record charts made.

Summary.

Examinations	305
Diseased teeth extracted	140
Local anæsthetics	85
Abscess treatments	6
Fillings inserted	74
Gingivitis treatments	19
Pyorrhœa treatments	47
Palliative treatments	91
Vincent's infection treatments	11
Dentures repaired	4

We have, etc.,

MILTON JONES, D.D.S.
EMERY JONES, D.D.S.

BEAUTY-PARLOUR REPORT.

A. L. Crease, Esq., M.D.,
General Superintendent, Provincial Mental Hospital, Essondale, B.C.

SIR,—The following is the annual report of the appointments in the beauty-parlour from April 1st, 1945, to March 31st, 1946:—

Marcels	312
Curls	350
Finger-waves	1,034
Shampoos	2,436
Manicures	1,950
Haircuts	7,093
Oil treatments	27

I have, etc.,

J. WHITE.

TRAINING-SCHOOL REPORT.

The Provincial Mental Hospital school of nursing completed the fiscal year ended March 31st, 1946, with the following personnel: Registered nurses, 24; mental graduates, 30; student-nurses, 194—making a total staff of 248. This is approximately the same number of staff members as last year. Resignations for the year were 102 and replacements were 107. Three of our mental graduates returned to the hospital after successfully completing their course in general nursing. Two staff members are attending the one-year course in psychiatric nursing at the University of McGill and will return to the hospital at the termination of the course.

Another forward step has been taken in the training of male members of the staff. The three-year course, which was resumed last fall, was temporarily set aside, and a qualifying course for all men was set up. The training of the men has been carried on entirely by male instructors, namely, Mr. Pritchard and his assistants R. Strong and R. Palm. Mr. Palm is responsible for the New Westminster branch employees. To date 60 charge and deputy charge attendants received a very short course, while 26 men received 100 hours' instruction. New Westminster branch had 19 men instructed in the short course and 34 in the 100-hour course.

This year 29 nurses received diplomas for the three-year course in psychiatric nursing. This is the largest group to graduate in the history of the school. Two registered nurses completed their six-month course in postgraduate study. Certificates were awarded to 26 men at the graduation ceremonies. Forty-eight students from four general hospitals received a two-month affiliation course in psychiatric nursing, and 27 nurses from the public health division of the University of British Columbia were given a week of active observation in the departments of the hospital.

This year an attempt has been made to provide recreational facilities for nurses. Miss Pullan and Mrs. Blythe formed an Arts and Crafts Club, and many nurses availed themselves of the opportunity and enjoyed one evening a week. Mr. Brown, Recreational Director, is planning further recreation in swimming, badminton, and moving-picture shows, etc. At the beginning of the school term, Mrs. Hopkins, who assisted with classes last year, returned to the X-ray department. Miss K. Soames joined the teaching staff. In March Miss M. E. Parsons replaced Mrs. Linea Duke as Superintendent of Nurses, and Miss E. Pullan was appointed Instructress of Nurses. Mrs. Duke very ably directed the school through the formative stage and guided it during the trying war period.

With new student-nurses and an active teaching programme, we are much indebted to the medical staff, nursing staff, and other teaching personnel who have given so freely of their time and counsel.

MONA E. PARSONS, R.N.,
Superintendent of Nurses.

SOCIAL SERVICE REPORT.

This is the first report of this department after its amalgamation with the Social Assistance Branch of the Department of the Provincial Secretary. Because the work involves both the social services of the Child Guidance Clinic and the social services of the Provincial Mental Hospital, the report has been divided into two sections—Child Guidance Clinic and Essondale Mental Hospital. Figures do not mean a great deal, and although statistics have been kept and are available, they are not being used in the report of the Child Guidance Clinic because of the space involved.

Child Guidance Clinics.

The two stationary clinics, Vancouver and Victoria, are now each staffed with a permanent psychiatric social worker who, in addition to management of the clinic routine, carries a case-load of privately referred cases, as well as giving consultative services to other social workers who have the follow-up within their own agencies of clinical examinations. This move has been a decided advancement in the work, as there is now an opportunity to give help at the time needed rather than through correspondence.

By "privately referred" cases we mean those cases not known or active with another social agency. As parents come to respect the advisability of asking help for emotional difficulties which they encounter with their children, they lose the false shame of attending a child guidance clinic and of receiving help through that source. They then very vigorously advise their friends to seek advice, and so with the improvements of service given the demand for this type of examination increases. However, we are far from secure in this endeavour. We should have sufficient psychiatrically trained personnel to give the required help. With the lack of adequate staff we are not only unable to sufficiently help the parents who come of their own volition and are thus ready to help, but too great emphasis is placed upon quick results and not enough thought and continual contact is given to ensure more lasting improvement.

Family doctors refer cases and often ask that case-work within the home should be carried by the psychiatric social worker. These are cases we should have time for, or else the private physician gets the idea that our services cannot assist him and the child guidance programme has little to offer in the remedial or preventive field of emotionally maladjusted individuals.

This department, because it represents one of the Provincial services, should be keyed to leadership in this particular field, and for this reason do a more proficient piece of work.

There were 127 private children's cases carried by the two social workers; 26 of these were referred by the family physician, 18 by private schools, and the remaining 83 were referred by some member of the family—52 by the mother, 8 by the father, and 5 by the brother or sister.

In aditidon to the latter, each worker had a number of pre-psychotic adults on which they did case-work following clinical appointments. When a worker has this type of service to give, she should have particularly good training and should have had the actual contact and training with the psychotic patient in hospital setting in order to be proficient in psychiatric social work, either in the preventive or the remedial centre. Mental hospital social service experience is most essential.

Throughout the year the social workers of the clinic have carried on a teaching programme to social service and public health students, as well as giving a number of addresses to interested groups, such as women's and youth organizations, as well as giving psychiatric counselling to social workers who asked for it in conjunction with their case-loads.

As much opportunity as possible is given each social worker to avail herself of further training while in the service by attending series of lectures given by staff psychiatrists at Essondale and by courses in advanced case-work given by the Department of Social Work at the University of British Columbia.

PROVINCIAL MENTAL HOSPITAL AND HOME FOR THE AGED.

STATISTICAL.

Number of cases referred to Social Service Department, including those cases referred for probation and therapy visits only:—

In Vancouver	409	
Out of Vancouver	425	
		834
Disposition—		
Discharged on probation—		
In Vancouver	164	
Out of Vancouver	323	
		487
Discharged in full—		
In Vancouver	20	
Out of Vancouver	80	
		100
Died—		
In Vancouver	44	
Out of Vancouver	196	
		240

Report of social service work carried out by member of Social Service Department at Essondale:—

Initial interviews to obtain social histories—		
In Vancouver	347	
Out of Vancouver	5	
		352
Probation visits—		
In Vancouver	170	
Out of Vancouver	------	
		170
Therapy visits—		
In Vancouver	5,608	
Out of Vancouver	------	
		5,608
Collateral		1,612
Letters		1,111

The above statistics picture a volume of work achieved by three full-time and two part-time social workers. It is needless to say that good routine is essential, but even at that thorough work cannot be done, nor can as small a staff give adequate help to the field service throughout the Province, to whom supervision must be carried on by mail. If the Social Service Department can hope to fulfil the rôle of working in partnership with the hospital psychiatrists, they must have time as well as knowledge to follow out plans made by the group, and to plan for adequate treatment within the home environment to ensure the investment already made by the hospital treatment.

As soon as patients arrive at the hospital, plans for their "after care" must be considered, and the machinery put in motion. This is especially essential since treatments for the mentally ill are so actively used and where patients must be discharged as soon as possible because of the overcrowded condition of the hospital.

The after-care can generally be accomplished through good case-work being done within the patient's own family group, but to do this, good co-operation between the

home and hospital must be established and kept. The social worker is generally the person best known to both. She represents the "outside" to the patient and the "inside" to the relative. Families need to be encouraged to accept their responsibilities, and to do this they need to know that someone is near to give a helping hand.

In the last year six patients have been rehabilitated in homes other than with relatives or personal friends. These patients were boarded in homes approved by municipal authorities and paid for by the social assistance received from the area from which the patient originally came. One patient had a chest condition, for which she had to remain in Vancouver to receive active treatment. She finally progressed well enough to be self-supporting. A second is partly self-supporting, and two have returned to different Provinces and to their own relatives. One has returned to the mental hospital for further care, and the other is self-supporting and welcomed by her own family who were formerly much against her ever leaving the hospital.

The social service workers at the hospital have not participated in the Child Guidance Clinic this past year. Consequently, there has been more continuity in the service given to the hospital and to the social work carried on by the field workers of the Social Assistance Branch. If it was not for the latter workers, our patients and their families would receive little help. For this reason, every effort is used to give good supervision to the field service and to give as much help to them while they are at the hospital during their orientation period.

Lectures to the Essondale school of nursing were given, and student training was participated in both for the University of British Columbia social work students and postgraduate nurses attached to the hospital. The newly developed family service of the Social Assistance Branch has been a very great help in the family care of our patients' dependents.

The private social agencies of Vancouver and Victoria and the municipal workers have been most co-operative throughout the Province.

We will be very glad when we can report even a fair coverage for all our patients, but to do so we will need many more workers attached right to the hospital and more psychiatric training for field workers throughout the Province.

JOSEPHINE F. KILBURN.

CHILD GUIDANCE CLINIC.

Attached herewith is a consolidated report of the work done in the Child Guidance Clinic from April 1st, 1945, to March 31st, 1946.

There has been a noticeable increase in the number of clinics held, the number of cases seen, the agencies referring the cases, and in the requests for services of the clinic in areas of the Province not already visited.

In meeting the needs of the Province by extending and improving clinics there are two difficulties that must be overcome, namely, geographical and personnel. It is felt that adequate coverage within the standards recommended by the American Psychiatric Association can be provided by four psychiatric teams. Each team would consist of one psychiatrist with special training in child psychiatry, two clinical psychologists, four psychiatric social workers, including a case-work supervisor, and necessary clerical help.

At present the nuclei of two teams have been carrying on the work in Vancouver, Victoria, Nanaimo (including Courtenay), New Westminster, and Chilliwack (including Mission). During the past year clinics have been held for the first time in Vernon and Penticton. Plans have been completed to conduct clinics in Nelson, Prince Rupert, and Prince George in the near future.

With the acquisition of additional trained personnel to complete four psychiatric teams, it is planned to station one team in Victoria, where facilities are already available, to serve Victoria and Vancouver Island. The psychiatrist from this team would act also as consulting psychatrist to the Provincial Mental Home at Colquitz. Two teams would be stationed in Vancouver to serve the Lower Mainland area, and the fourth team would act as a travelling team to cover the rest of the Province. In the meantime the work is being carried out from the Vancouver clinic.

In addition to the work in child guidance, the clinic, in working outside Vancouver's metropolitan area, has provided clinical services where indicated for pre-psychotic adults, the aged, and for patients on probation from the mental hospital.

A function of the clinical service that has shown very rapid growth is a consultative service, which is available to parents in regard to difficulties in child training and to social agencies who discuss difficulties they are finding and need to adjust while awaiting a clinic appointment for their clients. Frequently, as a result of the consultative conference, it becomes unnecessary for the client to be examined at the clinic, thus relieving the case-load.

The staff of the clinic spends considerable time attending meetings and discussion groups, where an opportunity is presented to disseminate information about the clinic's functions and types of cases treated to those agencies that can make use of the clinic services in helping to solve their perplexing problems.

The work of the clinic has been aided materially by the understanding co-operation of the various referring agencies who have submitted the initial case-histories and assisted in making possible the recommended treatment.

STATISTICS.

	Vancouver.	Victoria.	Nanaimo.	Chilliwack.	New Westminster.	Penticton.	Vernon.	Total.
Number of clinics held	216	23	5	3	3	1	1	252
New cases	528	91	12	10	14	2	4	661
Males—								
Adults	33	9	.....	.....	.....	.....	.....	42
Children	260	43	9	7	12	1	1	333
Females—								
Adults	88	16	.....	1	.....	.....	.....	105
Children	147	23	3	2	2	1	3	181
Repeat cases	104	21	9	4	1	2	.....	141
Males—								
Adults	8	2	.....	.....	.....	1	.....	11
Children	55	11	7	3	1	.....	.....	77
Females—								
Adults	10	1	.....	.....	.....	.....	.....	11
Children	31	7	2	1	.....	1	.....	42
Total cases	632	112	21	14	15	4	4	802
Physicals	585	91	21	14	15	4	4	734
Male	321	52	16	10	13	2	1	415
Adults	41	9	.....	.....	.....	1	.....	51
Children	280	43	16	10	13	1	1	364
Female	264	39	5	4	2	2	3	319
Adults	92	16	.....	1	.....	.....	.....	109
Children	172	23	5	3	2	2	3	210
Urinalysis	480	91	21	14	15	4	4	629
Play-room observation	450	.....	.....	.....	.....	.....	.....	450
P.H.N. home visits	54	.....	.....	.....	.....	.....	.....	54
P.H.N. school visits	15	.....	.....	.....	.....	.....	.....	15
P.H.N. students	15	.....	.....	.....	.....	.....	.....	15
Case conferences	578	86	21	16	8	5	4	718
Consulting conferences	32	.....	.....	.....	.....	11	7	50
Psychiatric interviews	667	191	27	26	15	11	8	945
Vocational guidance	18	.....	.....	.....	.....	.....	.....	18

Sources of Cases.

Source.	Vancouver.	Victoria.	Nanaimo.	Chilliwack.	New Westminster.	Penticton.	Vernon.
Adult Probation Service	5	.....	.....	.....	.....	.....	.....
Boys' Industrial School	47	.....	.....	.....	.....	.....	.....
Catholic Children's Aid Society	27	.....	.....	.....	.....	.....	.....
Child Guidance Clinic	101	24	.....	.....	.....	.....	.....
Child Welfare Division	35	.....	.....	.....	.....	.....	.....
Children's Aid Society	231	27	.....	.....	.....	.....	.....
City Social Service Department	8	2	.....	.....	.....	.....	.....
Fairbridge Farm School	.....	.....	2	.....	.....	.....	.....
Family Welfare Association	.....	22	.....	.....	.....	.....	.....
Family Welfare Bureau	38	.....	.....	.....	.....	.....	.....
Girls' Industrial School	9	.....	.....	.....	.....	.....	.....
Juvenile Court	25	.....	.....	.....	.....	.....	.....
Metropolitan Health Committee	15	.....	.....	.....	.....	.....	.....
Preventorium	1	.....	.....	.....	.....	.....	.....
Physicians	12	.....	1	.....	.....	.....	.....
Provincial Mental Hospital	1	1	.....	.....	.....	.....	.....
Public Health Nurse	9	4	6	9	14	1	.....
Saanich Health Department	.....	7	.....	.....	.....	.....	.....
Social Assistance Branch	65	18	12	5	1	3	4
Social Service Department—							
Royal Jubilee Hospital	.....	1	.....	.....	.....	.....	.....
Vancouver General Hospital	2	.....	.....	.....	.....	.....	.....
T.B. Social Service	1	.....	.....	.....	.....	.....	.....
Victorian Order of Nurses	.....	6	.....	.....	.....	.....	.....

ULTAN P. BYRNE, M.B., D.P.H.,
Director.

STATISTICAL TABLES.

TABLE NO. 1.—SHOWING THE OPERATIONS OF THE HOSPITALS, ESSONDALE, NEW WESTMINSTER, AND SAANICH, FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Movement of Population.	Male.	Female.	Total.	Total.		
				Male.	Female.	Total.
In residence, Essondale, March 31st, 1945	1,761	1,369	3,130			
In residence, New Westminster, March 31st, 1945	363	251	614			
In residence, Saanich, March 31st, 1945	275	.....	275			
On probation, carried forward from 1944–45, Essondale	58	94	152			
On probation, carried forward from 1944–45, New-Westminster	3	2	5			
On probation, carried forward from 1944–45, Saanich	2	.....	2			
Escaped, carried forward from 1944–45, Essondale	.....	.....	.....			
Escaped, carried forward from 1944–45, New Westminster	.....	.....	.....			
Escaped, carried forward from 1944–45, Saanich	1	.....	1			
				2,463	1,716	4,179
Admitted during the year 1945–46—						
By ordinary forms	400	361	761			
By urgency forms	18	9	27			
By voluntary forms	18	15	33			
From the Yukon	2	.....	2			
Order in Council	8	3	11			
				446	388	834
Total under treatment, Essondale, New Westminster, and Saanich, April 1st, 1945, to March 31st, 1946	.....	.....	.....	2,909	2,105	5,014
Discharged during period April 1st, 1945, to March 31st, 1946—						
(*a.*) From Essondale—						
As recovered	55	62	117			
As improved	115	110	225			
As unimproved	63	45	108			
Not insane	5	5	10			
On probation and still out	72	98	170			
Escaped, but not discharged	1	.....	1			
Died	137	71	208			
	448	391	839			
(*b.*) From New Westminster—						
As improved	5	2	7			
As unimproved	7	3	10			
On probation and still out	5	4	9			
Escaped, but not discharged	.....	.....	.....			
Died	11	8	19			
	28	17	45			
(*c.*) From Saanich—						
As improved	1	.....	1			
As unimproved	1	.....	1			
On probation and still out	3	.....	3			
Escaped, but not discharged	1	.....	1			
Died	13	.....	13			
	19	.....	19			
Total discharged from Essondale, New Westminster, and Saanich	.....	.....	.....	495	408	903
Total in residence, Essondale, New Westminster, and Saanich	.....	.....	.....	2,414	1,696	4,110

TABLE NO. 1.—SHOWING THE OPERATIONS OF THE HOSPITALS, ESSONDALE, NEW WESTMINSTER, AND SAANICH, FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946—*Continued.*

Movement of Population.	Male.	Female.	Total.	Total.		
				Male.	Female.	Total.
Essondale—						
Total on books, March 31st, 1945	1,819	1,463	3,282			
Admissions during 1945–46	446	388	834			
Received from New Westminster	18	11	29			
Received from Saanich	7	.....	7			
				2,290	1,862	4,152
Discharged during 1945–46	448	391	839			
Transferred to New Westminster	37	30	67			
Transferred to Saanich	36	.....	36			
				521	421	942
Total in residence, Essondale, March 31st, 1946	.....	.....	.....	1,769	1,441	3,210
New Westminster—						
Total on books, March 31st, 1945	366	253	619			
Received from Essondale	37	30	67			
				403	283	686
Discharged during 1945–46	28	17	45			
Returned to Essondale	18	11	29			
Transferred to Saanich	.....	.....	.....			
				46	28	74
Total in residence, New Westminster, March 31st, 1946	.....	.....	.....	357	255	612
Saanich—						
Total on books, March 31st, 1945	278	.....	278			
Received from Essondale	36	.....	36			
Received from New Westminster	.....	.....	.....			
				314	.....	314
Discharged during 1945–46	19	.....	19			
Returned to Essondale	7	.....	7			
				26	.....	26
Total in residence, Saanich, March 31st, 1946	.....	.....	.....	288	.....	288
Total in residence, Essondale, March 31st, 1946	1,769	1,441	3,210			
Total in residence, New Westminster, March 31st, 1946	357	255	612			
Total in residence, Saanich, March 31st, 1946	288	.....	288			
Grand total in residence, Essondale, New Westminster, and Saanich, March 31st, 1946	.....	.....	.....	2,414	1,696	4,110

Daily average population	4,057.64
Percentage of discharged on admissions (not including deaths)	57.43
Percentage of recoveries on admission	14.02
Percentage of deaths on whole number under treatment	5.84

TABLE NO. 2.—SHOWING IN SUMMARY FORM THE OPERATIONS OF THE HOSPITAL SINCE ITS INCEPTION.

Year.	Admissions.	Discharges.		Deaths.	Number Resident at the Close of each Year.	Increase.	Decrease.	Whole Number treated.	Percentage of Recoveries to Admissions.	Percentage of Discharges to Admissions (Deaths excluded).	Percentage of Deaths to Whole Number under Treatment.
		Recovered.	Not recovered.								
1872	18	1	.....	1	16	.....	.....	18	5.55	5.55	5.55
1873	15	10	2	5	14	.....	2	31	66.66	80.00	16.12
1874	12	4	.....	3	19	5	.....	26	33.33	33.33	11.53
1875	29	3	3	10	32	13	.....	48	10.34	26.89	20.83
1876	22	11	3	5	35	3	.....	54	50.00	63.63	9.35
1877	14	4	4	3	38	3	.....	49	28.57	78.57	6.12
1878	16	7	3	8	36	.....	2	54	43.75	62.50	16.16
1879	18	4	1	8	41	5	.....	54	22.22	27.77	14.81
1880	17	5	.....	5	48	7	.....	58	29.41	29.41	8.62
1881	13	5	3	5	48	.....	.....	61	38.46	61.54	8.19
1882	7	3	1	2	49	1	.....	55	42.85	57.14	3.63
1883	8	4	1	3	49	.....	.....	57	50.00	62.50	5.26
1884	10	2	4	2	51	2	.....	59	20.00	60.00	3.33
1885	20	5	.....	5	61	10	.....	71	25.00	25.00	6.94
1886	27	10	6	6	66	5	.....	88	37.03	59.25	6.81
1887	36	15	5	5	77	11	.....	102	41.66	55.55	4.80
1888	26	12	6	3	82	5	.....	103	46.15	69.23	2.87
1889	41	14	5	4	100	18	.....	123	34.15	46.34	3.25
1890	52	17	6	12	117	17	.....	152	32.69	44.23	7.64
1891	49	19	4	20	123	6	.....	166	38.77	46.94	11.69
1892	52	17	10	13	135	12	.....	175	32.69	51.92	6.95
1893	44	14	18	14	133	.....	2	179	31.81	72.72	7.60
1894	80	13	19	19	162	29	.....	213	16.25	40.00	8.92
1895	62	29	11	20	164	2	.....	224	46.77	64.51	8.92
1896	64	23	25	9	171	7	.....	228	35.93	75.00	3.94
1897	74	20	8	14	203	32	.....	246	27.03	37.83	5.69
1898	81	27	13	19	221	18	.....	285	33.33	49.38	6.66
1899	101	31	32	21	234	13	.....	327	30.69	62.37	6.42
1900	113	38	27	29	258	24	.....	356	33.63	57.52	8.14
1901	115	40	20	25	284	26	.....	377	34.78	52.17	6.63
1902	121	30	31	25	311	27	.....	413	24.79	50.41	6.06
1903	139	38	37	26	349	38	.....	466	27.34	53.96	5.57
1904	115	46	26	26	321	.....	28	480	40.00	62.61	5.42
1905	123	43	33	27	348	27	.....	505	33.33	61.78	5.34
1906	150	36*	43	28	388	43	.....	552	23.03	52.06	5.04
1907	221	48	43	39	461	73	.....	666	21.30	41.20	5.08
1908	230	68*	56	57	507	46	.....	765	28.30	53.90	7.44
1909	232	73†	77	40	536	29	.....	816	31.00	64.60	6.40
1910	280	84	82	41	595	48	.....	896	30.00	59.28	4.57
1911	332	67‡	114	60	690	105	.....	1,034	19.57	54.42	5.83
1912	375	74*	128	76	752	62	.....	1,065	18.90	53.80	7.02
1913	380	90§	146	67	919	167	.....	1,264	22.63	62.10	5.30
1914	402	58	126	74	1,027	108	.....	1,364	14.43	45.77	5.43
1915	332	83	91	89	1,090	63	.....	1,437	25.00	52.41	6.19
1916	353	73†	96	80	1,205	115	.....	1,527	20.68	47.87	5.24
1917	371	88	78	106	1,301	96	.....	1,650	23.72	44.74	6.42
1918	375	75	95	132	1,347	46	.....	1,753	20.00	45.33	7.47
Jan. 1, 1919, to March 31, 1920	574	116	221	132	1,458	111	.....	2,025	20.20	58.71	6.51
1920–1921	489	88	173	122	1,566	108	.....	2,043	14.17	72.60	5.97
1921–1922	478	96	178	114	1,649	83	.....	2,137	20.08	57.32	5.33
1922–1923	438	91	167	133	1,697	48	.....	2,180	20.77	59.36	6.10
1923–1924	447	84†	121	163	1,784	87	.....	2,234	18.56	64.20	7.25
1924–1925	461	63	242	138	1,884	100	.....	2,327	13.66	66.16	5.93
1925–1926	475	57‖	240	142	1,995	111	.....	2,434	12.00	62.53	5.83
1926–1927	494	76§	171	161	2,125	130	.....	2,565	15.38	50.00	6.27

* Three not insane. † One not insane. ‡ Two not insane. § Four not insane. ‖ Six not insane.

TABLE NO. 2.—SHOWING IN SUMMARY FORM THE OPERATIONS OF THE HOSPITAL SINCE ITS INCEPTION—*Continued.*

Year.	Admissions.	Discharges.		Deaths.	Number Resident at the Close of each Year.	Increase.	Decrease.	Whole Number treated.	Percentage of Recoveries to Admissions.	Percentage of Discharges to Admissions (Deaths excluded).	Percentage of Deaths to Whole Number under Treatment.
		Recovered.	Not recovered.								
1927–1928	542	75*	252	147	2,269	144	.....	2,743	13.28	60.33	5.36
1928–1929	543	92†	294	181	2,347	78	.....	2,914	16.76	71.07	6.21
1929–1930	602	118*	311	223	2,411	64	.....	3,063	19.10	71.26	7.28
1930–1931	632	70*	235	191	2,550	139	.....	3,148	10.60	64.24	6.06
1931–1932	562	58¶	299	181	2,676	126	.....	3,214	10.32	63.52	5.63
1932–1933	635	44§	323	195	2,824	148	.....	3,390	6.92	58.42	5.75
1933–1934	610	61‡	309	200	2,960	136	.....	3,530	10.00	60.65	5.66
1934–1935	653	71*	349	221	3,080	120	.....	3,721	10.87	64.32	5.94
1935–1936	679	63*	304	291	3,180	100	.....	3,838	9.27	54.05	7.58
1936–1937	783	78‡	300	268	3,301	121	.....	4,067	9.96	63.60	6.59
1937–1938	834	74	330	207	3,487	186	.....	4,255	8.87	67.30	4.86
1938–1939	827	72‡	345	208	3,612	125	.....	4,471	8.71	78.72	4.65
1939–1940	869	111**	455	230	3,710	98	.....	4,713	11.39	88.50	4.88
1940–1941	864	107¶	410	254	3,836	126	.....	4,781	12.38	79.97	5.31
1941–1942	834	71††	400	255	3,902	66	.....	4,843	8.51	56.46	6.54
1942–1943	803	91‡‡	443	260	3,925	23	.....	4,919	11.32	66.50	5.31
1943–1944	840	87	423	309	3,960	35	.....	4,965	10.36	61.66	6.02
1944–1945	822	96§§	377	300	4,019	59	.....	4,960	10.46	58.39	6.04
1945–1946	834	117††	351	240	4,112	93	.....	5,014	14.02	57.43	5.84

* Three not insane. † One not insane. ‡ Two not insane. § Four not insane. ¶ Five not insane.
** Twelve not insane. †† Ten not insane. ‡‡ Eight not insane. §§ Seven not insane.

TABLE NO. 3.—SHOWING THE TOTAL NUMBER OF ADMISSIONS, DISCHARGES, AND DEATHS FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Months.	Admissions.			Discharges.			Deaths.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
1945.									
April	38	29	67	18	23	41	15	9	24
May	44	35	79	17	19	36	8	6	14
June	42	42	84	16	18	34	14	3	17
July	31	24	55	26	18	44	15	6	21
August	35	28	63	15	20	35	11	5	16
September	29	31	60	15	20	35	9	4	13
October	38	42	80	28	18	46	15	6	21
November	38	30	68	16	12	28	21	6	27
December	32	24	56	25	23	48	19	11	30
1946.									
January	44	38	82	33	20	53	9	9	18
February	29	30	59	19	17	36	16	10	26
March	46	35	81	24	19	43	9	4	13
Totals	446	388	834	252	227	479	161	79	240

TABLE NO. 4.—SHOWING THE CIVIL STATE OF PATIENTS ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Civil State.	Male.	Female.	Total.
Married	136	175	311
Single	238	120	358
Divorced	9	5	14
Widowed	39	74	113
Separated	21	14	35
Unknown	3	.....	3
Totals	446	388	834

TABLE NO. 5.—SHOWING RELIGIOUS DENOMINATIONS OF PATIENTS ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Religious Denominations.	Male.	Female.	Total.
Buddhist	2	.....	2
Christian Science	4	3	7
Confucian	8	.....	8
Doukhobor	4	6	10
Evangelist	1	.....	1
Father Devine	.....	1	1
Four-square Gospel	.....	1	1
Fundamentalist	1	.....	1
Greek Catholic	2	.....	2
Greek Orthodox	6	2	8
Hebrew	1	2	3
Jehovah Witness	2	.....	2
Latter-day Saint	.....	3	3
Lutheran	38	22	60
Mennonite	.....	2	2
Mohammedan	1	.....	1
Mussalman	1	.....	1
Nazarene	1	.....	1
None	11	1	12
Pentecostal	4	2	6
Plymouth Brethren	2	.....	2
Protestant	268	271	539
Quaker	1	1	2
Roman Catholic	73	59	132
Russian Orthodox	2	1	3
Salvation Army	2	4	6
Seventh-day Adventist	2	1	3
Sikh	1	.....	1
Spiritualist	.....	1	1
Unitarian	.....	2	2
Unknown	8	3	11
Totals	446	388	834

TABLE NO. 6.—SHOWING THE DEGREE OF EDUCATION OF THOSE ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Degree of Education.	Male.	Female.	Total.
Superior	14	12	26
Good	79	94	173
Common	214	195	409
Poor	90	45	135
None	38	37	75
Unknown	11	5	16
Totals	446	388	834

TABLE NO. 7.—SHOWING THE NATIONALITY OF THOSE ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Nationality.	Male.	Female.	Total.
Australia	1	1	2
Austria	4	2	6
Belgium	1	1	2
China	11	3	14
Czechoslovakia	3	2	5
Denmark	1	1	2
England	69	75	144
Estonia	1	.....	1
Finland	2	3	5
France	1	2	3
Germany	6	2	8
Holland	1	1	2
Hungary	3	1	4
India	4	4	8
Ireland	7	13	20
Italy	1	2	3
Iceland	1	.....	1
Japan	2	2	4
Norway	12	5	17
Poland	10	6	16
Rumania	3	1	4
Russia	7	4	11
Scotland	30	20	50
South Africa	1	1	2
Sweden	7	3	10
Syria	1	.....	1
United States	18	23	41
Unknown	3	3	6
Wales	6	3	9
Yugoslavia	3	1	4
Canada—			
Alberta	20	18	38
British Columbia	93	92	185
Manitoba	17	12	29
New Brunswick	2	1	3
Nova Scotia	7	5	12
Ontario	56	38	94
Prince Edward Island	3	.....	3
Quebec	6	5	11
Saskatchewan	22	32	54
Totals	446	388	834

TABLE NO. 8.—SHOWING WHAT DISTRICTS CONTRIBUTED PATIENTS FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Place of Residence.	Male.	Female.	Total.
Abbotsford	2	1	3
Agassiz	1	.....	1
Annacis Island	1	.....	1
Armstrong	1	1	2
Arras	1	.....	1
B.C. Penitentiary	1	.....	1
Bella Coola	1	.....	1
Blueberry	.....	1	1
Bonaparte Valley	.....	1	1
Bradner	1	.....	1
Bridal Falls	1	.....	1
Brigade Lake	.....	1	1
Brighouse	1	.....	1
Brookmere	1	.....	1
Buffalo Creek	.....	1	1
Burnaby	8	12	20
Burns Lake	1	.....	1
Burton	.....	1	1
Canyon	1	.....	1
Castlegar	.....	1	1
Caulfeild	1	.....	1
Chase River	.....	1	1
Chilliwack	9	6	15
Cloverdale	.....	1	1
Coal Creek	1	.....	1
Cobble Hill	2	.....	2
Coghlan	1	2	3
Coquitlam	4	1	5
Courtenay	.....	3	3
Cranbrook	4	1	5
Crescent Valley	.....	1	1
Creston	2	2	4
Cumberland	.....	1	1
Dawson	2	.....	2
Denman Island	.....	1	1
Dewdney	1	.....	1
Duncan	1	5	6
Eagle Bay	.....	1	1
Eburne	2	.....	2
Egmont	.....	1	1
Esquimalt	.....	3	3
Fawn	1	.....	1
Fernie	.....	1	1
Field	.....	1	1
Ganges	1	3	4
Gibsons Landing	.....	1	1
Giscome	.....	1	1
Grand Forks	.....	1	1
Great Central Lake	2	.....	2
Groundbirch	1	.....	1
Hammond	1	1	2
Haney	2	1	3
Harrop	.....	1	1
Hazelton	1	.....	1
Hedley	.....	2	2
High Bar Indian Reserve	1	.....	1
Hollyburn	.....	1	1
Hudson Hope	.....	1	1
Kamloops	4	3	7
Keithley Creek	.....	1	1
Kelowna	3	2	5
Keremeos	.....	1	1
Carried forward	69	72	141

Place of Residence.	Male.	Female.	Total.
Brought forward	69	72	141
Kimberley	3	.....	3
Kleecoot	.....	1	1
Ladner	6	2	8
Ladysmith	1	.....	1
Lake Cowichan	.....	1	1
Lake Errock	1	.....	1
Lang Bay	.....	1	1
Langley	1	2	3
Langley Prairie	4	4	8
Lillooet	.....	1	1
Lynn Valley	1	.....	1
Maillardville	1	1	2
Marpole	1	1	2
Matsqui	1	1	2
Mayne Island	2	.....	2
Merritt	1	.....	1
Minstrel Island	.....	1	1
Mission	3	4	7
Montney	1	.....	1
Mount Lehman	1	.....	1
Moyie	1	1	2
Nanaimo	2	4	6
Naramata	1	.....	1
Nelson	6	3	9
Neskainlith Indian Reserve	.....	1	1
New Denver	.....	2	2
New Westminster	26	21	47
North Cowichan	1	.....	1
North Kamloops	.....	2	2
North Pender Island	1	.....	1
North Vancouver	12	3	15
Oakalla Prison Farm	7	2	9
Osoyoos	.....	1	1
Paldi	.....	1	1
Penticton	2	2	4
Pioneer Mine	.....	1	1
Pitt Meadows	1	.....	1
Port Alberni	4	3	7
Port Alice	.....	1	1
Port Coquitlam	2	4	6
Port Edward	.....	1	1
Port Hammond	.....	2	2
Port Mann	3	1	4
Pouce Coupe	1	.....	1
Powell River	1	2	3
Prince George	5	1	6
Prince Rupert	5	4	9
Princeton	4	.....	4
Procter	.....	1	1
Qualicum Beach	.....	1	1
Quesnel	.....	1	1
Red Pass	1	.....	1
Revelstoke	1	1	2
Richmond	1	.....	1
Roberts Creek	.....	1	1
Rock Creek	1	.....	1
Rosedale	1	.....	1
Rose Prairie	1	.....	1
Rossland	1	1	2
Rutland	1	.....	1
Saanich	4	4	8
Carried forward	194	165	359

TABLE NO. 8.—SHOWING WHAT DISTRICTS CONTRIBUTED PATIENTS FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946—*Continued.*

Place of Residence.	Male.	Female.	Total.	Place of Residence.	Male.	Female.	Total.
Brought forward	194	165	359	*Brought forward*	209	178	387
Salmo	1	.....	1	Taylor Flats	.....	1	1
Salmon Arm	2	1	3	Trail	2	4	6
Sardis	.....	1	1	Tranquille	1	.....	1
Savona	1	.....	1	Trinity Valley	1	.....	1
Seton Lake	1	.....	1	Vancouver	197	159	356
Shoreacres	.....	1	1	Vanderhoof	.....	1	1
Sidney	.....	1	1	Vernon	3	1	4
Sinclair Mills	1	.....	1	Victoria	18	30	48
Silver Creek	.....	1	1	Webster's Corners	2	.....	2
Smithers	2	.....	2	Wellington	.....	1	1
Soda Creek	1	.....	1	Wells	2	.....	2
Sointula	1	.....	1	West Grand Forks	.....	1	1
South Wellington	.....	1	1	West Vancouver	3	4	7
Squilax	.....	1	1	Westview	1	.....	1
Steveston	.....	1	1	White Rock	2	6	8
Stuart Island	1	.....	1	Whonnock	1	1	2
Sumas	1	.....	1	Willow River	1	.....	1
Surrey	3	4	7	Winlaw	1	.....	1
Tashme	.....	1	1	Woodfibre	2	.....	2
Carried forward	209	178	387	Youbou	.....	1	1
				Totals	446	388	834

TABLE NO. 9.—SHOWING THE OCCUPATIONS OF THOSE ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Occupation.	Male.	Female.	Total.	Occupation.	Male.	Female.	Total.
Accountant	2	1	3	*Brought forward*	212	255	467
Artist	1	.....	1	Logger	19	.....	19
Attendant	1	.....	1	Lumberman	3	.....	3
Bank clerk	1	.....	1	Machine-printer	1	.....	1
Barber	2	.....	2	Machinist	5	1	6
Bar-tender	1	.....	1	Manager	1	.....	1
Blacksmith	4	.....	4	Merchant	1	.....	1
Book-keeper	3	.....	3	Merchant seaman	1	.....	1
Bottle-washer	.....	1	1	Milkman	1	.....	1
Bricklayer	3	.....	3	Milliner	.....	1	1
Brick-manufacturer	1	.....	1	Mill-worker	6	1	7
Bull cook	1	.....	1	Miner	10	.....	10
Caddy	1	.....	1	Musician	1	.....	1
Cannery-worker	2	.....	2	None	61	78	139
Caretaker	1	.....	1	Nurse	.....	8	8
Carpenter	10	.....	10	Nursing orderly	2	.....	2
Chambermaid	.....	1	1	Painter	2	.....	2
Chimney-sweep	1	.....	1	Passer-boy	1	.....	1
Civil servant	1	.....	1	Physician	1	.....	1
Clerk	11	3	14	Piano-tuner	1	.....	1
Coal-miner	2	.....	2	Plumber	3	.....	3
Conductor	1	.....	1	Policeman	1	.....	1
Cook	10	.....	10	Presser	1	.....	1
Crane-worker	1	.....	1	Printing-pressman	3	.....	3
Dairyman	2	.....	2	Prospector	1	.....	1
Dentist	1	.....	1	Pumpman	1	.....	1
Dishwasher	1	.....	1	Rancher	1	.....	1
Domestic	.....	17	17	Repairman	1	.....	1
Draughtsman	1	.....	1	Reporter	1	.....	1
Electrician	1	.....	1	Retired	40	13	53
Elevator operator	1	.....	1	Sailor	1	.....	1
Engineer	5	.....	5	Sales clerk	1	3	4
Engineer, apprentice	1	.....	1	Salesman	10	.....	10
Engineer, locomotive	1	.....	1	Sawyer	1	.....	1
Engineer, mechanical	1	.....	1	School-teacher	5	9	14
Engineer, steam	1	.....	1	Sea captain	1	.....	1
Expressman	1	.....	1	Seaman	2	.....	2
Factory-worker	.....	1	1	Seamstress	.....	2	2
Farmer	42	.....	42	Sectionman	3	.....	3
Farm-labourer	5	1	6	Service-station operator	1	.....	1
Fisherman	5	.....	5	Shipwright	1	.....	1
Flunkey	1	.....	1	Shipyard-worker	1	.....	1
Fortune-teller	.....	1	1	Shoemaker	1	.....	1
Foundry-worker	1	.....	1	Smelterman	1	.....	1
Freight clerk	2	.....	2	Soldier	13	.....	13
Fruit-grower	2	.....	2	Steam-shovel operator	1	.....	1
Gardener	3	.....	3	Stenographer	.....	3	3
Hairdresser	.....	1	1	Student	5	6	11
Homemaker	.....	217	217	Tailor	2	.....	2
Hospital maid	.....	1	1	Telegrapher	2	.....	2
Hotel caretaker	1	.....	1	Telephone-worker	2	.....	2
Housekeeper	.....	6	6	Tile-setter	1	.....	1
Insurance agent	3	.....	3	Trackman	1	.....	1
Iron-worker	1	.....	1	Trapper	3	.....	3
Janitor	1	.....	1	Truck-driver	3	.....	3
Jeweller	1	.....	1	Usherette	.....	1	1
Labourer	66	.....	66	Waitress	.....	6	6
Laundress	.....	3	3	Weaver	.....	1	1
Lawyer	.....	1	1	Welder	2	.....	2
Carried forward	212	255	467	Totals	446	388	834

TABLE No. 10.—SHOWING THE AGES OF THOSE ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Age.	Male.	Female.	Total.
Under 15 years	26	23	49
,, 20 ,,	15	19	34
,, 25 ,,	31	30	61
,, 30 ,,	36	30	66
,, 35 ,,	36	30	66
,, 40 ,,	32	40	72
,, 45 ,,	37	28	65
,, 50 ,,	23	26	49
,, 55 ,,	25	27	52
,, 60 ,,	28	28	56
,, 65 ,,	32	26	58
,, 70 ,,	30	22	52
,, 75 ,,	31	20	51
,, 80 ,,	32	21	53
Over 80 ,,	32	18	50
Totals	446	388	834

TABLE No. 11.—SHOWING THE NUMBER OF ATTACKS IN THOSE ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Number of Attacks.	Male.	Female.	Total.
First	257	226	483
Second	46	71	117
Third	17	28	45
Fourth	13	13	26
Fifth	2	7	9
Sixth	.....	3	3
Seventh	1	2	3
Eighth	1	.....	1
Several	9	9	18
Not insane	4	4	8
Unknown	96	25	121
Totals	446	388	834

TABLE No. 12.—SHOWING THE ALLEGED DURATION OF ATTACK PRIOR TO ADMISSION FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Duration of Attack.	Male.	Female.	Total.
Under 1 week	39	32	71
,, 1 month	67	64	131
,, 3 months	47	52	99
,, 6 months	25	34	59
,, 12 months	13	26	39
,, 2 years	25	21	46
,, 5 years	30	37	67
,, 10 years	13	22	35
,, 15 years	2	9	11
Over 15 years	6	7	13
Not insane	4	4	8
Unknown	132	48	180
Life	43	32	75
Totals	446	388	834

TABLE No. 13.—SHOWING STATISTICS OF HEREDITY IN THOSE ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Heredity.	Male.	Female.	Total.
Paternal branch	3	5	8
Maternal branch	8	9	17
Heredity	11	13	24
Heredity, inferred	6	2	8
Heredity, unknown	414	355	769
Not insane	4	4	8
Totals	446	388	834

TABLE No. 14.—SHOWING THE ALLEGED CAUSE OF ATTACK IN THOSE ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Alleged Cause.	Male.	Female.	Total.
Alcohol	15	4	19
Arteriosclerosis	34	36	70
Cancer	1	.....	1
Cerebral atrophy	.....	1	1
Cerebral hæmorrhage	1	.....	1
Cerebral trauma	1	2	3
Childbirth	.....	1	1
Congenital	8	10	18
Constitutional	207	203	410
Coronary thrombosis	1	.....	1
Diabetes	1	.....	1
Disseminated sclerosis	.....	1	1
Drugs	3	.....	3
Encephalitis lethargica	2	2	4
Epilepsy	12	11	23
Gun-shot wound	1	.....	1
Heredity	11	13	24
Heredity, inferred	6	2	8
Heredity, maternal	8	9	17
Heredity, paternal	3	5	8
Hypertension	.....	1	1
Hyperthyroidism	.....	2	2
Huntington's chorea	2	3	5
Injury, birth	1	2	3
Injury, head	1	.....	1
Lues (syphilis)	23	6	29
Meningitis	1	.....	1
Multiple sclerosis	.....	1	1
Not insane	4	4	8
Pneumonia	1	.....	1
Progressive cerebellar degeneration	1	.....	1
Progressive lenticular degeneration	.....	1	1
Senility	88	60	148
Trauma	.....	1	1
Tuberculosis	1	.....	1
Unknown	5	1	6
Worry	3	6	9
Totals	446	388	834

TABLE NO. 15.—SHOWING THE STATE OF BODILY HEALTH IN THOSE ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Bodily Condition.	Male.	Female.	Total.
In good health	156	135	291
In average health	245	190	435
In reduced health	45	63	108
Totals	446	388	834

TABLE NO. 16.—SHOWING THE FORM OF MENTAL DISORDER IN THOSE ADMITTED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Form of Disorder.	Male.	Female.	Total.
Arteriosclerotic dementia	34	36	70
Epilepsy with psychosis	12	13	25
General paresis	23	5	28
Imbecility and idiocy	32	30	62
Involutional melancholia	9	6	15
Manic depressive	33	66	99
Mental deficiency with psychosis	9	11	20
Moron	12	8	20
Not insane	4	4	8
Parkinson's syndrome	1	1	2
Pre-senile psychosis	.....	1	1
Psychoneurosis	9	9	18
Psychopathic inferior with psychosis	6	3	9
Psychosis with meningo-vascular syphilis	.....	1	1
Psychosis with somatic disease	10	8	18
Schizophrenia	143	121	264
Senile dementia	88	59	147
Toxic psychosis (alcohol)	15	4	19
Toxic psychosis (drugs)	3	.....	3
Toxic psychosis (hyperthyroid)	.....	2	2
Toxic psychosis (pneumonia)	1	.....	1
Traumatic psychosis	2	.....	2
Totals	446	388	834

TABLE NO. 17.—SHOWING THE NUMBER ALLOWED OUT ON PROBATION AND RESULTS FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Results.	Male.	Female.	Total.
Discharged recovered	55	62	117
Discharged improved	121	112	233
Discharged unimproved	71	48	119
Not insane	5	5	10
Returned to hospital	46	42	88
Still out at end of the year	81	102	183
Totals	379	371	750

TABLE No. 18.—SHOWING THE ALLEGED DURATION OF INSANITY PRIOR TO ADMISSION IN THOSE DISCHARGED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Alleged Duration.	Male.	Female.	Total.
Less than 1 week	20	23	43
,, ,, 1 month	45	59	104
,, ,, 2 months	21	19	40
,, ,, 3 months	11	8	19
,, ,, 6 months	14	20	34
,, ,, 12 months	7	19	26
,, ,, 2 years	16	12	28
,, ,, 3 years	5	4	9
Three years and over	28	27	55
Not insane	5	5	10
Unknown	80	31	111
Totals	252	227	479

TABLE No. 19.—SHOWING THE LENGTH OF RESIDENCE OF THOSE DISCHARGED FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946.

Length of Residence.	Discharged Recovered.		Discharged Improved.		Discharged Unimproved.		Not Insane.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Under 1 month	6	1	8	2	41	21	3	1
,, 2 months	11	10	14	14	3	2	2	....
,, 3 months	8	10	13	12	2	2	....	....
,, 6 months	21	22	30	27	4	7	....	1
,, 12 months	7	13	25	16	6	8	1	2
,, 2 years	1	5	12	16	7	3	....	1
,, 3 years	....	....	3	9	1	2	....	....
,, 4 years	....	1	5	3	3	1	....	....
,, 5 years	....	....	3	2	2	1	....	....
5 years and over	1	....	7	11	2	1	....	....
Totals	55	62	120	112	71	48	6	5

TABLE No. 20.—RECORD OF DEATHS FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946, ESSONDALE, NEW WESTMINSTER, AND SAANICH.

Register No.	Initials.	Sex.	Age.	Time in Hospital.			Certified Cause.
				Years.	Months.	Days.	
3869	J. H. S.	M.	67	31	4	16	Pulmonary tuberculosis.
8039	C. F.	M.	70	21	3	14	Exhaustion due to arteriosclerotic dementia.
10354	C. A. B.	M.	48	16	6	7	Chronic myocarditis.
17021	E. L.	F.	85	6	7	8	Exhaustion due to arteriosclerotic dementia.
22204	E. A. D.	M.	76	0	4	30	Exhaustion due to senility.
9912	B. R.	M.	60	17	4	30	Coronary thrombosis.
22386	W. A.	M.	68	20	2	17	Exhaustion due to senile dementia.
21829	M. W.	F.	56	0	10	14	Cerebral hæmorrhage.
4585	B. M.	F.	53	29	6	11	Lobar pneumonia.
22246	S. M. T.	F.	72	0	4	20	Exhaustion due to senile dementia.
16079	G. R.	M.	74	7	9	14	Chronic myocarditis.
21424	D. P. M.	M.	78	1	4	5	Exhaustion due to arteriosclerotic dementia.
21711	E. S.	F.	25	1	0	20	Disseminated sclerosis; undulant fever.
2556	J. P. C.	F.	65	35	3	1	Pulmonary tuberculosis.
22250	R. S. McK.	M.	76	0	4	24	Exhaustion due to senile dementia.
22179	G. E. H.	M.	55	0	5	22	Cancer of the head of the pancreas.
14683	W. R. H.	M.	34	9	7	13	Pulmonary tuberculosis.
22499	M. R. F.	M.	66	0	1	9	Exhaustion due to general paresis.
15405	F. N.	F.	63	8	7	27	Chronic myocarditis.
22406	W. McC.	M.	67	0	2	7	Exhaustion due to senility.
14100	N. S.	F.	56	10	6	6	Pulmonary tuberculosis.
6882	A. A.	M.	58	23	11	16	Chronic myocarditis.
20426	M. A.	F.	25	2	8	7	Pulmonary tuberculosis.
22619	M. K. B.	F.	54	0	0	9	Cerebral arteriosclerosis; hæmorrhage into the pons.
21487	J. F. R.	M.	59	1	4	15	Exhaustion due to Alzheimer's disease.
18975	W. P.	M.	71	4	5	14	Pulmonary tuberculosis.
20773	W. E. C.	F.	63	2	3	11	Carcinoma of liver.
21631	P. R. McL.	M.	63	1	2	19	Subacute combined degeneration; pernicious anæmia.
12332	H. R. W.	M.	40	13	5	11	Bronchopneumonia.
22403	H. A.	F.	71	0	3	19	Exhaustion due to senile dementia.
21890	F. J.	F.	68	0	11	8	Exhaustion due to senile dementia.
20661	F. G. S.	M.	18	2	5	12	Pulmonary tuberculosis.
22387	J. P.	M.	69	0	4	3	Exhaustion due to senile dementia.
22668	M. C.	M.	67	0	0	5	Chronic myocarditis.
22675	J. E. F.	M.	73	0	0	4	Chronic myocarditis.
21883	P. G.	M.	60	0	11	16	Exhaustion due to arteriosclerotic dementia.
22394	S. S.	F.	65	0	4	4	Exhaustion due to arteriosclerotic dementia.
16107	W. V.	M.	58	7	10	24	Chronic myocarditis.
18009	A. C. T.	M.	55	5	7	26	Exhaustion due to general paresis.
22438	W. T. C.	M.	74	0	3	26	Acute myocarditis.
11875	M. B. F.	M.	61	14	3	6	Chronic myocarditis due to general paresis.
9701	J. C.	M.	64	18	0	18	Chronic myocarditis.
12693	O. H. N.	M.	74	12	11	4	Chronic myocarditis due to arteriosclerosis.
22674	F. G. W.	M.	60	0	0	25	Exhaustion due to involutional melancholia.
11859	G. H. B.	M.	71	14	4	5	Exhaustion due to arteriosclerotic dementia.
22297	C. W. W.	M.	84	0	6	11	Exhaustion due to senile dementia.
15002	A. B.	M.	65	9	3	29	Exhaustion due to arteriosclerotic dementia.
22436	G. R.	M.	58	0	4	13	Exhaustion due to general paresis.
13369	H. H.	M.	67	11	10	5	Chronic myocarditis.
22710	A. McK.	F.	73	0	0	22	Chronic myocarditis.
20393	E. N.	F.	55	2	10	22	Exhaustion due to arteriosclerotic dementia.
5634	J. A. B.	M.	58	26	9	10	Coronary thrombosis.
18670	T. M.	M.	61	4	11	6	Chronic myocarditis.
22720	A. L.	M.	65	0	0	21	Chronic myocarditis.
18809	G. McC.	F.	55	4	9	14	Cerebral hæmorrhage.
22732	C. McK.	M.	66	0	0	20	Coronary thrombosis.
22489	A. P.	F.	73	0	4	2	Exhaustion due to arteriosclerotic dementia.
18226	W. R.	M.	74	5	5	23	Chronic myocarditis due to arteriosclerosis.
22103	S. A. F.	M.	81	0	9	22	Chronic myocarditis; chronic passive congestion of the lungs and spleen; intracapsular fracture of neck of left femur.

TABLE NO. 20.—RECORD OF DEATHS FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946, ESSONDALE, NEW WESTMINSTER, AND SAANICH—*Continued.*

Register No.	Initials.	Sex.	Age.	Time in Hospital.			Certified Cause.
				Years.	Months.	Days.	
22703	E. D. W.	F.	38	0	1	12	Exhaustion due to acute mania.
6976	W. N.	M.	70	23	11	17	Pulmonary tuberculosis.
16003	Y. A.	M.	26	8	1	21	Pulmonary tuberculosis.
22635	L. F.	M.	66	0	2	10	Exhaustion due to general paresis.
22692	L. B.	M.	73	0	1	21	Chronic myocarditis.
20190	K. F.	F.	44	3	2	12	Intestinal obstruction due to adhesion following perforation of the ileum.
22678	S. I.	F.	44	0	2	3	Pulmonary tuberculosis.
21195	W. McL.	M.	63	1	11	9	Squamous cell carcinoma.
22826	A. H.	M.	57	0	0	6	Cerebral hæmorrhage; hypertension.
12287	M. W.	F.	64	13	8	17	Pulmonary tuberculosis.
22397	F. W. M.	M.	80	0	6	13	Coronary thrombosis.
22727	M. B.	F.	74	0	2	1	Chronic myocarditis.
2657	O. L. W.	F.	88	35	2	0	Chronic myocarditis.
22495	F. W. O.	M.	70	0	5	6	Right bronchopneumoia.
22598	W. J. V.	M.	46	0	3	27	Chronic myocarditis due to syphilis.
21911	H. R.	M.	72	1	1	24	Exhaustion due to arteriosclerotic dementia.
23308	A. J. D.	M.	62	0	7	25	Chronic myocarditis due to arteriosclerosis.
22165	S. W. W.	M.	46	0	9	27	Exhaustion due to general paresis.
19888	W. C.	M.	51	3	7	11	Coronary thrombosis.
20489	H. L. W.	M.	60	2	10	28	Pulmonary tuberculosis.
14050	M. P.	F.	71	9	11	17	Chronic myocarditis.
22673	A. B.	M.	86	0	3	17	Exhaustion due to senile dementia.
22001	R. J. N.	M.	89	1	1	8	Exhaustion due to senile dementia.
16161	W. P. R.	M.	53	8	1	11	Exhaustion due to general paresis.
10326	A. C. E.	F.	67	17	1	3	Carcinoma of breast.
22625	W. C.	M.	43	0	4	18	Coronary thrombosis.
22667	A. E. B.	F.	78	0	3	30	Chronic myocarditis.
19722	K. C.	F.	67	3	10	25	Pulmonary tuberculosis.
16208	F. T.	M.	76	8	1	4	Exhaustion due to senile dementia.
20542	C. L. L.	M.	62	2	10	27	Exhaustion due to general paresis.
22838	H. B.	M.	65	0	1	24	Exhaustion due to senile dementia.
22591	F. H.	M.	82	0	5	8	Exhaustion due to senile dementia.
22946	J. G. W.	F.	76	0	0	2	Chronic myocarditis.
21934	E. E.	M.	66	1	2	24	Coronary thrombosis due to chronic myocarditis.
21263	J. R.	F.	67	2	0	3	Cerebral hæmorrhage.
6994	J. L.	M.	59	24	1	17	Chronic nephritis due to hydronephrosis.
22723	W. D.	M.	72	0	2	11	Exhaustion due to senile dementia.
22881	A. R.	M.	81	0	0	16	Exhaustion due to senile dementia.
22848	M. E. H.	F.	69	0	1	24	Cerebral hæmorrhage.
18353	E. C. T.	M.	69	5	6	27	Chronic degenerative myocarditis.
22784	S. D.	M.	63	0	3	1	Exhaustion due to arteriosclerotic dementia.
22962	A. L. H.	F.	58	0	0	5	Chronic myocarditis associated with diabetes and arteriosclerotic dementia.
10744	L. G. B.	M.	62	16	11	12	Chronic myocarditis due to arteriosclerotic dementia.
22913	J. M. D.	M.	89	0	0	29	Exhaustion due to senile dementia.
21710	I. S.	M.	67	1	6	17	Exhaustion due to arteriosclerotic dementia.
16023	H. H.	M.	50	8	4	10	Cerebral hæmorrhage due to cerebral arteriosclerosis.
22686	J. McI.	M.	59	0	4	15	Exhaustion due to progressive muscular atrophy.
4748	D. M.	M.	54	29	6	10	Right bronchogenic carcinoma with lung abscess with metastasis to left ninth and tenth ribs.
17888	J. M.	M.	71	6	1	0	Exhaustion due to general paresis.
22869	D. J. H.	F.	13	0	2	3	Acute encephalitis; non-epid congenital hydrocephalus.
17407	G. M.	F.	66	6	8	11	Cerebral hæmorrhage.
13794	J. M.	M.	56	11	5	26	Exhaustion due to paranoidal schizophrenia.
22707	E. E. G.	F.	86	0	4	25	Chronic myocarditis.

TABLE NO. 20.—RECORD OF DEATHS FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946, ESSONDALE, NEW WESTMINSTER, AND SAANICH—*Continued.*

Register No.	Initials.	Sex.	Age.	Time in Hospital.			Certified Cause.
				Years.	Months.	Days.	
2476	C. H. I.	M.	73	36	1	6	Pulmonary tuberculosis.
11171	A. G. R.	M.	53	15	9	14	Chronic degenerative myocarditis.
22743	S. K. K.	M.	72	0	4	16	Exhaustion due to senile dementia.
6711	S. P.	M.	57	24	9	26	Pulmonary tuberculosis.
22830	J. E. H.	F.	78	0	3	5	Adenocarcinoma of uterus.
23041	L. M. R.	F.	74	0	0	3	Chronic myocarditis.
23046	T. M. S.	M.	50	0	0	3	Exhaustion due to meningovascular syphilis.
23039	A. V. E.	M.	62	0	0	7	Diabetes mellitus.
23033	J. McD.	M.	51	0	0	9	Exhaustion due to schizophrenia.
21899	M. R.	F.	68	1	4	20	Chronic myocarditis.
23016	E. S.	M.	85	0	0	17	Exhaustion due to senile dementia.
22407	N. Y.	M.	65	0	9	9	Chronic myocarditis due to arteriosclerosis.
22977	S. A. P.	M.	79	0	1	2	Exhaustion due to senile dementia.
20900	A. J. B.	F.	79	2	7	1	Bilateral lobar pneumonia.
23048	T. S. P.	M.	85	0	0	10	Exhaustion due to senile dementia.
22874	E. S. McR.	M.	63	0	2	24	Cerebral hæmorrhage.
22252	F. B.	M.	77	0	11	21	Exhaustion due to senile dementia.
22157	A. T. H.	M.	80	1	0	26	Exhaustion due to senile dementia.
22785	H. C.	M.	78	0	4	9	Exhaustion due to senile dementia.
23064	C. A. B.	M.	76	0	0	6	Cerebral hæmorrhage.
23056	C. M. L.	F.	70	0	0	12	Cerebral thrombosis.
19134	W. B. N.	M.	64	4	9	8	Chronic myocarditis.
22275	A. N. S.	F.	57	0	11	21	Carcinoma of tongue.
10837	A. M.	F.	62	16	5	7	Pulmonary tuberculosis and general paresis.
20515	Y. S.	F.	51	3	1	16	Cancer of bladder.
23078	E. R.	M.	80	0	0	11	Chronic myocarditis.
17066	J. N.	M.	74	7	2	14	Exhaustion due to senile dementia.
22840	J. P.	M.	64	0	3	30	Exhaustion due to general paresis.
9615	J. C.	F.	82	18	8	1	Coronary thrombosis.
9844	E. C. B.	M.	83	23	2	29	Chronic myocarditis.
23040	F. C.	M.	58	0	1	5	Exhaustion due to involutional melancholia.
23057	M. J. C.	F.	67	0	1	2	Exhaustion due to Huntington's chorea.
22955	E. M.	F.	87	0	2	10	Chronic myocarditis.
5836	T. R.	M.	56	26	8	17	Shock due to spontaneous eruption; hydronephrosis and pulmonary tuberculosis.
14076	A. T.	M.	73	11	2	16	Exhaustion due to schizophrenia.
22050	M. E.	F.	70	1	3	20	Exhaustion due to senile dementia.
22991	J. S.	M.	72	0	1	29	Chronic myocarditis; bronchopneumonia.
23074	E. P.	F.	81	0	1	3	Chronic myocarditis.
22949	J. F. O'N.	M.	75	0	2	19	Exhaustion due to senile dementia.
22497	K. N.	M.	65	0	8	25	Exhaustion due to general paresis.
17260	R. McM.	M.	25	7	0	7	Complications of lacerations of throat.
23093	W. B. E.	M.	78	0	0	26	Chronic myocarditis.
11529	T. K.	M.	52	15	4	9	Pulmonary tuberculosis.
10518	R. V.	M.	35	17	0	12	Complications of pulmonary tuberculosis.
22268	J. R.	M.	82	1	1	6	Exhaustion due to senile dementia.
23000	F. S. W.	M.	68	0	2	24	Gangrene of the transverse and descending colons and hæmorrhage.
23177	J. S. K.	M.	63	0	0	5	Chronic myocarditis.
10248	O. L.	M.	68	17	6	29	Angina pectoris.
20882	A. B.	M.	83	2	9	14	Exhaustion due to senile dementia.
22478	J. R.	F.	30	0	10	5	Bacillary dysentery.
22767	M. M. C.	F.	37	0	6	13	Bacillary dysentery.
23171	S. B. Z.	F.	9 mo.	0	0	14	Bronchopneumonia.
20883	M. C.	F.	60	2	9	11	Chronic myocarditis.
22849	F. H. S.	F.	77	0	5	7	Cerebral hæmorrhage.
22566	B. L. S.	F.	72	0	9	11	Exhaustion due to senile dementia.
21623	C. D.	F.	83	1	10	23	Chronic myocarditis.
23203	J. H.	M.	63	0	0	4	Acute bronchopneumonia.
5240	M. J. P.	F.	79	28	4	20	Coronary thrombosis.
22997	G. R. G.	M.	77	0	3	7	Exhaustion due to senile dementia.

TABLE NO. 20.—RECORD OF DEATHS FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946, ESSONDALE, NEW WESTMINSTER, AND SAANICH—*Continued.*

Register No.	Initials.	Sex.	Age.	Time in Hospital.			Certified Cause.
				Years.	Months.	Days.	
17732	I. R.	M.	26	6	6	18	Bilateral pulmonary tuberculosis.
22689	A. S. W.	F.	76	0	7	25	Chronic myocarditis.
23083	M. J. S.	F.	69	0	2	5	Chronic myocarditis.
9492	K. F. A.	F.	64	19	0	27	Chronic myocarditis.
23072	G. W. S.	M.	83	0	2	13	Exhaustion due to senile dementia.
23197	W. G. S.	M.	72	0	0	12	Chronic myocarditis.
22715	S. A.	F.	92	0	7	20	Carcinoma of the breast.
8772	D. W. B.	M.	88	20	6	15	Chronic myocarditis; arteriosclerosis.
22685	V. G.	F.	77	0	8	0	Arteriosclerosis; chronic myocarditis.
22722	J. P. B.	M.	62	0	7	20	Exhaustion due to arteriosclerotic dementia.
23035	M. T.	F.	51	0	3	0	Cancer of breast with metastases.
23027	K. S.	M.	66	0	3	8	Left renal thrombosis; perinephric hæmorrhage; arteriosclerosis.
13838	R. W. G.	M.	46	11	8	14	Pulmonary tuberculosis.
15566	A. W.	M.	63	9	2	23	Coronary thrombosis.
3887	A. C.	F.	82	32	2	8	Chronic myocarditis.
22661	Y. S. L.	M.	58	0	8	24	Exhaustion due to general paresis.
5081	H. W.	M.	65	28	9	15	Coronary thrombosis.
22852	E. W.	F.	82	0	6	2	Chronic myocarditis.
23232	L. D.	F.	47	0	0	14	Lobar pneumonia.
22906	W. S. McK.	M.	80	0	5	23	Exhaustion due to senile dementia.
21069	N. K.	F.	62	2	7	25	Coronary occlusion.
23044	C. L.	F.	63	0	3	14	Chronic myocarditis.
23210	A. G. J.	M.	72	0	1	0	Exhaustion due to senile dementia.
8829	E. V. V.	M.	90	20	5	23	Carcinoma of head of pancreas.
23124	H. R.	M.	62	0	2	8	Exhaustion due to general paresis.
15524	M. S.	F.	70	9	3	29	Diabetes mellitus.
22170	J. P. R.	M.	69	1	4	2	Cerebral vascular accident.
23090	D. M.	M.	53	0	3	0	Acute mania.
2506	L. F.	M.	61	36	3	14	Bronchopneumonia.
20714	M. K.	M.	39	3	1	19	Tubercular peritonitis due to tuberculosis.
17917	A. M. McL.	F.	70	6	5	23	Coronary thrombosis.
21109	D. D.	M.	67	2	8	2	Exhaustion due to senile dementia.
23311	I. G. M.	F.	71	0	0	10	Cerebral hæmorrhage; arteriosclerosis; diabetes.
23325	P. G.	M.	59	0	0	12	Acute mania; acute myocarditis.
23245	C. H.	F.	67	0	1	18	Chronic myocarditis.
6455	W. G. B.	M.	63	25	8	17	Idiopathic epilepsy with psychosis.
20826	L. W.	M.	53	3	0	20	Pulmonary tuberculosis.
5783	H. F. F.	M.	58	18	1	4	Coronary thrombosis.
7435	A. S.	M.	62	22	10	10	Coronary thrombosis.
7326	M. S.	M.	68	23	3	25	Myocardial degeneration.
14252	M. J. W.	M.	65	12	0	16	Cerebral hæmorrhage.
6164	C. L. M.	M.	63	25	10	13	Interstitial nephritis.
9394	C. S.	M.	45	19	0	30	Cancer of stomach.
9091	H. D.	M.	50	19	7	9	Cancer of liver.
4827	E. C. S.	M.	79	29	4	29	Myocardial degeneration.
7086	L. C.	M.	63	24	0	24	Carcinoma of stomach.
17130	M. G.	M.	38	7	2	2	Acute bronchitis.
6017	C. L.	M.	72	26	5	17	Coronary thrombosis.
3731	D. R.	M.	76	32	7	19	Myocardial degeneration.
9799	M. J. D.	M.	45	18	7	5	Cardio-renal disease.

TABLE NO. 20.—RECORD OF DEATHS FROM APRIL 1ST, 1945, TO MARCH 31ST, 1946, ESSONDALE, NEW WESTMINSTER, AND SAANICH—*Continued.*

New Westminster.

Register No.	Initials.	Sex.	Age.	Time in Hospital.			Certified Cause.
				Years.	Months.	Days.	
18731	W. A. B.	M.	8 mo.	....	5	21	Exhaustion due to idiocy.
19660	C. M. M.	F.	24	3	6	8	Iliocolitis.
22358	G. K.	M.	6 mo.	....	3	6	Hydrocephalus.
14676	M. J. C.	F.	24	9	7	9	Pulmonary tuberculosis.
22610	B. E. N.	M.	1	....	....	6	Status epilepticus.
22647	G. A. C.	F.	1	....	....	23	Exhaustion due to idiocy.
20858	S. A. MacK.	F.	9	2	2	17	Juvenile general paresis ; congenital syphilis.
17559	P. P. B.	M.	29	6	2	26	Pulmonary tuberculosis.
16369	L. B.	M.	36	7	7	5	Pulmonary tuberculosis.
16106	D. A.	F.	50	8	1	15	Pulmonary tuberculosis.
22911	L. L.	M.	1	....	2	10	Exhaustion due to hydrocephelus.
21825	J. B.	F.	2	1	6	4	Exhaustion due to idiocy.
13586	A. B.	F.	53	11	10	18	Chronic endocarditis.
18882	V. O.	M.	26	5	2	....	Bronchopneumonia.
11282	C. E. G.	M.	48	15	8	21	Bronchopneumonia.
22893	D. C.	F.	12	....	3	17	Bronchopneumonia.
16410	L. S.	M.	30	8	....	27	Status epilepticus.
23149	A. S.	M.	10 mo.	....	1	2	Hydrocephalus.
21705	R. R.	M.	2	1	10	14	Bronchopneumonia.

PART II.—FINANCIAL.

BUSINESS MANAGER'S REPORT.

ESSONDALE, B.C., December 17th, 1946.

A. L. Crease, Esq., M.D., C.M.,
General Superintendent of Mental Hospitals,
Essondale, B.C.

SIR,—I beg to submit herewith for your consideration the financial report of the Provincial Mental Hospitals of British Columbia for the year ended March 31st, 1946, including balance-sheets, profit and loss accounts, and various other tables and reports.

The gross operating costs of the three institutions, *see* Table C, amount to $2,228,565.13, exclusive of the cost-of-living bonus, an increase of $257,462.48 over the previous year. When the cost-of-living bonus is included for both years, the increase amounts to $272,627.63. This gives a gross daily *per capita* per patient of $1.63 as against $1.48 in 1944–45, an increase of 15 cents per day. This increase of 10 per cent. is due in part to steady price increases in all lines and to additional services and treatment for patients. X-ray, recreational, and occupational departments have been enlarged and made far greater use of. The medical and nursing staffs have also been increased by the return of employees from the services and by the addition of staff to permit the full operation of the attendants' school and other services.

Maintenance and sundry collections increased from $317,735.15 in 1944–45 to $350,163.87.

Our daily average patient population increased 101—from 3,957 to 4,058. Patients in residence on March 31st, 1946, numbered 4,110.

Recreational and occupational therapy have been paid particular attention during the year, although the latter has been very handicapped through lack of and inability to secure equipment.

The psychopathic division, conducting clinics throughout the Province, expended $20,446.59, and this has been incorporated into our cost statements; also included is Public Works Department expenditures of $152,006.83, covering maintenance of buildings, plant, and grounds.

Purchases from Colony Farm of milk, vegetables, pork, and other produce amounted to $193,623.92 and forms part of our dietary costs.

Respectfully submitted.

GOWAN S. MACGOWAN,
Business Manager.

PROVINCIAL MENTAL HOSPITAL, NEW WESTMINSTER.

BALANCE-SHEET, MARCH 31ST, 1946.

Assets.

Cemetery		$610.89
Buildings	$953,186.38	
Plant and equipment	21,200.82	
Furniture and fixtures	32,233.46	
		1,006,620.66
Inventories (unissued stores)—		
Medical care, drugs, etc.	$1,896.54	
Nursing and ward service supplies	19,552.96	
Dietary	5,770.13	
Fuel	1,827.06	
		29,046.69
Buildings, grounds, and general maintenance supplies		3,667.75
Petty Cash Account—		
Cash on hand and in bank		150.00
		$1,040,095.99

Liabilities.

Government of the Province of British Columbia—	
Capital expenditure	$1,039,945.99
Provincial Mental Hospital, Essondale—	
Accountable advance	150.00
	$1,040,095.99

PROVINCIAL MENTAL HOSPITAL, ESSONDALE.

BALANCE-SHEET, MARCH 31ST, 1946.

Assets.

Land		$117,763.50
Buildings	$4,361,106.54	
Furniture and fixtures	113,709.72	
Plant and equipment	59,016.98	
		4,533,833.24
Inventories (unissued stores)—		
Medical care	$14,291.59	
Nursing and ward service supplies	48,481.77	
Dietary	23,571.30	
Fuel	4,296.14	
		90,640.80
Buildings, grounds, and maintenance supplies		33,537.59
Business Manager's Petty Cash Account—		
Advance, New Westminster institution	$150.00	
Vouchers collectable	981.98	
Cash on hand and in bank	868.02	
		2,000.00
Pay-roll Account—		
Provincial Government vouchers collectable	$84,769.27	
Less overdraft at bank	83,769.27	
		1,000.00
Patients' Trust Fund—		
Cash on hand and in bank		39,525.74
		$4,818,300.87

Liabilities.

Government of the Province of British Columbia—		
Capital expenditure	$4,775,775.13	
Business Manager's petty cash advance	2,000.00	
Pay-roll Account advance	1,000.00	
		$4,778,775.13
Patients' Trust Account—		
Cash on hand and in bank		39,525.74
		$4,818,300.87

PROVINCIAL MENTAL HOME, SAANICH.

BALANCE-SHEET, MARCH 31ST, 1946.

Assets.

Buildings	$291,174.59	
Furniture and fixtures	20,095.91	
		$311,270.50
Airing and recreation courts		750.00
Inventories (unissued stores)—		
Nursing and ward service supplies	$11,741.59	
Dietary	3,323.96	
Fuel	1,751.00	
Laundry	467.17	
		17,283.72
Buildings, grounds, and maintenance supplies		983.05
Cash on hand and in bank—		
Petty Cash Account	$200.00	
Patients' Trust Fund	539.91	
		739.91
		$331,027.18

Liabilities.

Government of the Province of British Columbia—		
Capital expenditure	$330,287.27	
Current advance	200.00	
		$330,487.27
Patients' Trust Account—		
Cash on hand and in bank		539.91
		$331,027.18

PSYCHOPATHIC DEPARTMENT.

Expense Statement, March 31st, 1946.

Salaries	$15,951.76
Office supplies	855.23
Telephone and telegraph	418.34
Travelling expenses	1,301.99
Fuel	178.71
Water	11.95
Light and power	123.20
Janitor's service and supplies	221.38
Incidental expenses	1,384.03
	$20,446.59

Note.—The above expenses absorbed into the New Westminster, Essondale, and Saanich statements on basis of population.

	Per Cent.
Essondale	78
New Westminster	15
Colquitz	7

HEADQUARTERS DEPARTMENT.

Expense Statement, March 31st, 1946.

Salaries	$26,758.67	
Office supplies	1,911.23	
Travelling expenses	229.61	
		$28,899.51
Less rent credits		327.50
		$28,572.01

Note.—The above expenses absorbed into the New Westminster, Essondale, and Saanich statements on basis of population.

	Per Cent.
Essondale	78
New Westminster	15
Colquitz	7

PROVINCIAL MENTAL HOSPITAL, NEW WESTMINSTER.

Receipts and Disbursements for Twelve Months ended March 31st, 1946.

Receipts.

Maintenance—		
Receipts for patients' maintenance		$52,317.34
Excess of disbursements over receipts		343,395.29
		$395,712.63

Disbursements.

Office, stores, and general		$15,496.08
Medical care		20,799.11
Nursing and ward service	$193,449.87	
Less credits, including rent deductions	12,970.20	
		180,479.67
Dietary	$83,276.74	
Less credits, including board deductions	22,201.22	
		61,075.52
Light, heat, water, and power		53,775.66
Laundry		5,235.32
Cars and trucking		199.10
Occupational therapy		7,017.30
Miscellaneous expenses		10,272.63
Provincial Secretary's Department vouchers		$354,350.39
Less increase in inventories		604.04
		$353,746.35
Buildings, grounds, and general maintenance—		
Public Works Department vouchers	$41,824.03	
Plus decrease in inventories	142.25	
		41,966.28
		$395,712.63

PROVINCIAL MENTAL HOSPITAL, ESSONDALE.

RECEIPTS AND DISBURSEMENTS FOR TWELVE MONTHS ENDED MARCH 31ST, 1946.

Receipts.

Maintenance—		
Receipts for patients' maintenance		$272,050.19
Miscellaneous—		
Sale of sundry O.T. articles		1,399.98
Total receipts		$273,450.17
Excess of disbursements over receipts		1,363,140.95
		$1,636,591.12

Disbursements.

Office, stores, and general		$54,725.95
Medical care		136,400.93
Nursing and ward service	$775,170.83	
Less credits, including rent deductions	43,477.64	
		731,693.19
Dietary	$508,362.12	
Less credits, including board deductions	127,684.59	
		380,677.53
Light, heat, water, and power		150,729.40
Laundry		14,949.16
Cars and trucking		11,534.53
Occupational therapy		24,395.82
Miscellaneous expenses		35,779.24
Provincial Secretary's Department vouchers		$1,540,885.75
Plus decrease in inventories		4,888.62
		$1,545,774.37
Buildings, grounds, and general maintenance—		
Public Works Department vouchers	$100,802.06	
Less increase in inventories	9,985.31	
		90,816.75
		$1,636,591.12

PROVINCIAL MENTAL HOME, SAANICH.

Receipts and Disbursements for Twelve Months ended March 31st, 1946.

Receipts.

Maintenance—		
Receipts for patients' maintenance		$24,414.76
Excess of disbursements over receipts		171,846.62
		$196,261.38

Disbursements.

Office, stores, and general		$9,475.65
Medical care		6,087.78
Nursing and ward service	$84,423.39	
Less credits, including rent deductions	1,558.07	
		82,865.32
Dietary	$45,027.92	
Less credits, including board deductions	11,291.81	
		33,736.11
Light, heat, water, and power		23,287.46
Laundry		2,315.28
Cars and trucking		3,238.65
Occupational therapy		5,321.78
Miscellaneous expenses		20,384.37
Provincial Secretary's Department vouchers		$186,712.40
Plus decrease in inventories		37.31
		$186,749.71
Buildings, grounds, and general maintenance—		
Public Works Department vouchers	$9,380.74	
Plus decrease in inventories	130.93	
		9,511.67
		$196,261.38

FINANCIAL TABLES.

TABLE A.—SHOWING THE AVERAGE NUMBER OF PATIENTS IN RESIDENCE EACH YEAR, THE TOTAL AMOUNTS SPENT FOR MAINTENANCE, AND GROSS PER CAPITA COST.

(For Past Ten Years.)

Year.	Average Number in Residence.	Maintenance Expenditure.	*Per Capita* Cost.
1936–37, New Westminster	510.65	$219,117.21	$429.09
1936–37, Essondale	2,448.90	844,164.44	344.71
1936–37, Saanich	258.38	98,070.47	379.56
1937–38, New Westminster	532.41	225,208.71	423.00
1937–38, Essondale	2,602.17	934,572.97	359.15
1937–38, Saanich	261.52	102,822.42	393.17
1938–39, New Westminster	596.25	251,759.54	422.24
1938–39, Essondale	2,710.32	990,851.72	365.58
1938–39, Saanich	261.62	107,104.86	409.39
1939–40, New Westminster	603.03	263,036.99	436.19
1939–40, Essondale	2,796.69	1,044,253.55	373.38
1939–40, Saanich	271.35	115,171.63	424.43
1940–41, New Westminster	611.17	269,354.39	440.71
1940–41, Essondale	2,884.96	1,114,944.32	386.46
1940–41, Saanich	279.95	114,496.86	408.99
1941–42, New Westminster	607.40	265,107.15	436.46
1941–42, Essondale	2,976.62	1,080,329.80	362.93
1941–42, Saanich	286.40	134,961.02	471.23
1942–43, New Westminster	605.17	272,710.60	450.76
1942–43, Essondale	3,042.06	1,111,175.96	365.28
1942–43, Saanich	284.06	140,988.20	496.43
1943–44, New Westminster	601.15	282,859.56	470.65
1943–44, Essondale	3,047.75	1,232,172.03	404.25
1943–44, Saanich	279.61	153,428.62	547.96
1944–45, New Westminster	606.25	339,375.79	559.80
1944–45, Essondale	3,072.84	1,437,497.52	467.81
1944–45, Saanich	277.87	194,229.34	698.99
1945–46, New Westminster	610.36	395,712.63	648.32
1945–46, Essondale	3,163.61	1,636,591.12	517.32
1945–46, Saanich	283.67	196,261.38	691.86

TABLE B.—SHOWING GROSS EXPENDITURE IN PROFIT AND LOSS ACCOUNTS FOR PAST TEN YEARS, ANALYSED UNDER ITS VARIOUS HEADINGS.

Year.	Salaries.	Office Supplies and Postage.	Travelling Expenses.	Fuel, Water, Light, and Power.	Repairs and Renewals.	Furniture and Fixtures, Bedding, etc.	Provisions.	Clothing, Boots, and Slippers.	Medical and Surgical Supplies.	Examination, Committal, and Transportation.	Incidentals and Unforeseen.	Total Gross.
1936–37, New Westminster	$104,846.74	$1,667.96	$450.49	$18,750.29	$31,638.68	$2,015.90	$47,990.31	$6,919.68	$1,592.73	.....	$3,244.43	$219,117.21
1936–37, Essondale	340,186.56	8,863.05	2,986.73	83,107.14	99,074.30	14,420.55	210,695.72	42,764.92	10,209.22	$11,330.35	20,525.90	844,164.44
1936–37, Saanich	49,867.95	551.47	312.51	8,924.06	4,951.60	1,059.50	22,035.44	5,339.29	460.67	26.10	4,541.88	98,070.47
1937–38, New Westminster	113,592.79	1,591.74	366.52	21,599.90	23,147.83	887.34	49,192.98	9,280.94	1,724.62	.....	3,824.05	225,208.71
1937–38, Essondale	397,298.18	9,252.24	4,559.93	88,468.53	97,732.18	16,534.94	229,406.74	46,952.28	12,558.27	8,230.13	23,579.55	934,572.97
1937–38, Saanich	53,587.02	588.03	205.94	8,627.44	5,314.36	964.04	24,552.49	5,181.45	443.53	42.50	3,315.62	102,822.42
1938–39, New Westminster	124,006.36	1,518.58	946.15	24,387.61	24,740.57	4,129.62	53,595.96	10,390.98	2,362.72	.....	5,678.99	251,759.54
1938–39, Essondale	440,321.50	10,219.23	4,724.27	86,800.42	104,140.53	17,534.50	218,690.74	55,483.04	17,663.45	8,742.38	26,531.66	990,851.72
1938–39, Saanich	55,360.23	565.15	188.83	8,910.42	4,390.05	1,062.10	25,075.54	6,472.14	353.39	29.20	4,697.81	107,104.86
1939–40, New Westminster	133,925.99	1,928.44	330.28	24,003.73	27,793.63	7,545.19	50,095.26	7,804.25	3,737.77	2.00	5,870.45	263,036.99
1939–40, Essondale	456,871.25	10,087.68	3,393.48	89,501.08	110,942.70	21,385.28	237,710.79	52,416.03	22,342.31	11,596.07	28,006.88	1,044,253.55
1939–40, Saanich	57,754.10	659.02	278.03	8,385.87	9,754.18	2,068.99	25,225.34	6,931.59	443.66	10.00	3,660.85	115,171.63
1940–41, New Westminster	132,386.53	1,608.75	272.68	25,128.91	24,832.82	9,216.51	52,683.19	14,129.24	3,692.96	.....	5,402.80	269,354.39
1940–41, Essondale	460,268.98	9,175.05	3,653.37	92,831.28	104,110.10	28,397.46	261,418.03	65,609.35	21,626.89	9,716.41	58,137.40	1,114,944.32
1940–41, Saanich	56,456.72	524.78	154.74	8,460.16	9,934.43	1,249.80	28,306.83	5,070.33	436.84	201.05	3,701.18	114,496.86
1941–42, New Westminster	135,708.66	1,170.08	301.15	26,700.86	21,577.59	2,194.44	58,760.40	8,402.80	3,361.89	8.00	6,921.28	265,107.15
1941–42, Essondale	476,303.17	8,893.36	4,194.31	96,972.60	87,444.58	18,973.60	253,680.71	51,219.99	34,865.48	11,247.61	36,534.39	1,080,329.80
1941–42, Saanich	61,683.08	723.51	271.91	10,634.01	10,115.62	884.79	34,867.93	8,324.96	1,309.12	7.50	6,138.59	134,961.02

Above headings discontinued in 1942. *See* new table, B 1.

TABLE B 1.—SHOWING GROSS EXPENDITURE IN PROFIT AND LOSS ACCOUNTS FOR YEAR, ANALYSED UNDER ITS VARIOUS HEADINGS.

Year.	Salaries.	Office Stores and General	Medical Care.	Nursing and Ward Services.	Dietary.	Light, Water, Heat, and Power.	Laundry.	Cars and Trucking.	Occupational Therapy.	Miscellaneous Expense.	Buildings, Grounds, and General Maintenance.	Total Gross.
New Westminster, 1942–43	$144,927.75	$1,051.58	$1,284.50	$14,235.83	$57,282.00	$29,537.10	$611.05	$244.30	$25.36	$4,466.30	$19,044.83	$272,710.60
Essondale, 1942–43	488,751.46	8,806.79	40,543.88	76,986.24	287,670.62	96,122.55	1,864.26	2,853.32	1,511.39	25,290.38	80,775.07	1,111,175.96
Saanich, 1942–43	66,848.86	907.57	1,565.18	7,623.45	35,659.20	10,010.10	1,004.26	1,153.65	.....	8,879.13	7,336.80	140,988.20
New Westminster, 1943–44	152,484.40	1,224.48	3,440.68	11,427.55	62,061.84	26,645.63	393.38	330.12	25.15	4,941.17	19,885.16	282,859.56
Essondale, 1943–44	553,675.20	13,947.73	36,165.04	97,956.23	319,684.72	99,141.97	1,696.78	4,313.74	599.06	21,178.84	83,812.72	1,232,172.03
Saanich, 1943–44	72,714.71	1,192.39	1,112.03	12,028.31	38,714.10	10,552.81	10.53	1,255.13	44.06	8,699.39	7,105.16	153,428.62
New Westminster, 1944–45	*	13,687.27	18,921.99	164,667.51	49,658.65	46,895.53	5,946.13	215.27	5,012.42	11,956.05	23,314.97	339,375.79
Essondale, 1944–45	*	53,408.50	109,695.27	656,302.24	314,784.01	130,615.43	12,202.33	9,557.86	21,154.17	49,518.59	80,259.12	1,437,497.52
Saanich, 1944–45	*	8,100.32	5,170.23	72,514.51	41,585.24	22,709.00	1,579.98	3,581.63	4,071.49	25,310.65	9,606.29	194,229.34
New Westminster, 1945–46	*	15,446.81	20,228.57	180,468.22	62,679.46	52,198.79	5,235.32	199.10	7,017.30	10,272.78	41,966.28	395,712.63
Essondale, 1945–46	*	54,469.75	137,132.56	730,416.42	385,869.31	151,226.83	14,949.16	11,534.53	24,395.82	35,779.99	90,816.75	1,636,591.12
Saanich, 1945–46	*	9,452.65	6,087.78	82,757.48	34,388.90	22,453.01	2,665.02	3,238.65	5,321.78	20,384.44	9,511.67	196,261.38

* Salaries have been included in figures under the various headings.

TABLE C.—SUMMARY STATEMENT SHOWING THE GROSS AND NET PER CAPITA COST OF PATIENTS IN THE THREE INSTITUTIONS.

Gross operating costs—		
New Westminster	$395,712.63	
Essondale	1,636,591.12	
Saanich	196,261.38	
Gross cost for the three institutions		$2,228,565.13
Less collections remitted to Treasury		350,182.27
Net cost for the three institutions		$1,878,382.86
Cost-of-living bonus		184,638.23
		$2,063,021.09

Daily average population for the three institutions	4,057.64
Gross *per capita* cost, one year—	
Exclusive of cost-of-living bonus	$549.23
Including cost-of-living bonus	594.73
Gross *per capita* cost, one day—	
Exclusive of cost-of-living bonus	1.50
Including cost-of-living bonus	1.63
Net *per capita* cost, one year—	
Exclusive of cost-of-living bonus	462.93
Including cost-of-living bonus	508.43
Net *per capita* cost, one day—	
Exclusive of cost-of-living bonus	1.27
Including cost-of-living bonus	1.39

TABLE D.—EXPENSE STATEMENT OF THE NEW WESTMINSTER HOSPITAL FOR TWELVE MONTHS ENDED MARCH 31ST, 1946.

Salaries, Supplies, and Operating Expenses.	Vouchered Expenditure.	Service and Supplies from other Departments.			Inventory Adjustment.		Less Credits.	Actual Cost of Operations.	Yearly *Per Capita* Costs.
		Psychopathic.	Headquarters.	P.W.D.	Plus on Hand, March 31st, 1945.	Less on Hand, March 31st, 1946.			
Office, stores, and general	$11,136.34	$386.33	$4,335.07	.....	.....	.....	$361.66	$15,496.08	$25.39
Medical care	18,442.07	2,392.76	.....	.....	$1,326.00	$1,896.54	35.72	20,228.57	33.14
Nursing and ward service	193,498.99	.....	.....	.....	19,492.39	19,552.96	13,019.32	180,419.10	295.59
Dietary	83,276.74	.....	.....	.....	7,374.07	5,770.13	22,201.22	62,679.46	102.69
Light, water, heat, and power	53,868.86	47.08	.....	.....	250.19	1,827.06	140.28	52,198.79	85.52
Laundry	5,235.32	.....	.....	.....	.....	.....	.....	5,235.32	8.58
Cars and trucking	199.10	.....	.....	.....	.....	.....	.....	199.10	.33
Occupational therapy	7,017.30	.....	.....	.....	.....	.....	.....	7,017.30	11.50
Miscellaneous expense	10,050.47	240.81	.....	.....	.....	.....	18.65	10,272.63	16.83
Buildings, grounds, and general maintenance	.....	.....	.....	$41,824.03	3,810.00	3,667.75	.....	41,966.28	68.75
Totals	$382,725.19	$3,066.98	$4,335.07	$41,824.03	$32,252.65	$32,714.44	$35,776.85	$395,712.63	$648.32

TABLE E.—EXPENSE STATEMENT OF THE ESSONDALE HOSPITAL FOR TWELVE MONTHS ENDED MARCH 31ST, 1946.

Salaries, Supplies, and Operating Expenses.	Vouchered Expenditure.	Service and Supplies from other Departments.			Inventory Adjustment.		Less Credits.	Actual Cost of Operations.	Yearly *Per Capita* Costs.
		Psychopathic.	Headquarters.	P.W.D.	Plus on Hand, March 31st, 1945.	Less on Hand, March 31st, 1946.			
Office, stores, and general	$31,294.44	$2,008.94	$22,542.37	.....	.....	.....	$1,119.80	$54,725.95	$17.30
Medical care	127,257.96	12,442.37	.....	.....	$15,023.22	$14,291.59	3,299.40	137,132.56	43.35
Nursing and ward service	775,426.28	.....	.....	.....	46,949.55	48,481.77	43,733.09	730,160.97	230.80
Dietary	508,362.12	.....	.....	.....	28,763.08	23,571.30	127,684.59	385,869.31	121.97
Light, water, heat, and power	171,597.23	244.81	.....	.....	4,793.57	4,296.14	21,112.64	151,226.83	47.80
Laundry	16,899.16	.....	.....	.....	.....	.....	1,950.00	14,949.16	4.73
Cars and trucking	12,159.41	.....	.....	.....	.....	.....	624.88	11,534.53	3.64
Occupational therapy	24,395.82	.....	.....	.....	.....	.....	.....	24,395.82	7.71
Miscellaneous expense	35,920.94	1,252.22	.....	.....	.....	.....	1,393.92	35,779.24	11.31
Buildings, grounds, and general maintenance	.....	.....	.....	$100,802.06	23,552.28	33,537.59	.....	90,816.75	28.71
Totals	$1,703,313.36	$15,948.34	$22,542.37	$100,802.06	$119,081.70	$124,178.39	$200,918.32	$1,636,591.12	$517.32

TABLE F.—EXPENSE STATEMENT OF THE SAANICH HOSPITAL FOR TWELVE MONTHS ENDED MARCH 31ST, 1946.

Salaries, Supplies, and Operating Expenses.	Vouchered Expenditure.	Service and Supplies from other Departments.			Inventory Adjustment.		Less Credits.	Actual Cost of Operations.	Yearly *Per Capita* Costs.
		Psychopathic.	Headquarters.	P.W.D.	Plus on Hand, March 31st, 1945.	Less on Hand, March 31st, 1946.			
Office, stores, and general	$7,272.32	$180.29	$2,023.04	.....	.....	.....	.....	$9,475.65	$33.32
Medical care	4,971.15	1,116.63	.....	.....	.....	.....	.....	6,087.78	21.46
Nursing and ward service	84,446.32	.....	.....	.....	$11,610.82	$11,741.59	$1,581.00	82,734.55	291.74
Dietary	45,027.92	.....	.....	.....	3,976.75	3,323.96	11,291.81	34,388.90	121.23
Light, water, heat, and power	23,265.49	21.97	.....	.....	916.55	1,751.00	.....	22,453.01	79.15
Laundry	2,315.28	.....	.....	.....	816.91	467.17	.....	2,665.02	9.39
Cars and trucking	3,238.65	.....	.....	.....	.....	.....	.....	3,238.65	11.42
Occupational therapy	5,321.78	.....	.....	.....	.....	.....	.....	5,321.78	18.76
Miscellaneous expense	22,101.96	112.38	.....	.....	.....	.....	1,829.97	20,384.37	71.86
Buildings, grounds, and general maintenance	.....	.....	.....	$9,380.74	1,113.98	983.05	.....	9,511.67	33.53
Totals	$197,960.87	$1,431.27	$2,023.04	$9,380.74	$18,435.01	$18,266.77	$14,702.78	$196,261.38	$691.86

Remarks.

	New Westminster.	Essondale.	Saanich.
Total patients in residence, March 31st, 1946	612	3,210	288
Daily average population for one year	610.36	3,163.61	283.67
Gross maintenance *per capita* cost, one year	$648.32	$517.32	$691.86
Gross maintenance *per capita* cost, one day	1.78	1.42	1.90
Gross maintenance *per capita* cost, including cost-of-living bonus, one year	693.70	562.84	737.43
Gross maintenance *per capita* cost, including cost-of-living bonus, one day	1.90	1.54	2.02

REVENUE OF MENTAL HOSPITALS FOR PAST TEN YEARS.

1936–37	$185,269.93	1941–42	$238,532.90
1937–38	207,343.84	1942–43	261,986.32
1938–39	209,216.39	1943–44	322,522.87
1939–40	245,837.55	1944–45	317,735.15
1940–41	229,045.45	1945–46	350,182.27

TAILOR'S REPORT, 1945–46.

Provincial Mental Hospital, Essondale.

Stock	$8.00
Alterations	944.40
Relining	472.50
Pressing	1,100.50
Repairs	4,787.90
Total	$7,313.30

Provincial Mental Hospital, New Westminster.

Stock	$2,563.80
Alterations	551.00
Relining	382.50
Pressing	560.35
Repairs	3,941.10
Total	$7,998.75

STATEMENT OF TAILOR-SHOP, 1945–46.

Production—			
For Mental Hospital, Essondale		$7,313.30	
For Mental Hospital, New Westminster		7,998.75	
		$15,312.05	
Material on hand, March 31st, 1946		755.50	
			$16,067.55
Costs—			
Material on hand, March 31st, 1945		$575.48	
Salaries—			
Tailors	$1,860.00		
Seamstresses	2,000.00		
Shirt-maker	1,260.00		
		5,120.00	
Electric power	$100.00		
Electric light	60.00		
		160.00	
Material purchased, 1945–46		10,987.58	
			16,843.06
Loss on operations			$775.51

SHOEMAKER'S REPORT, 1945–46.

Provincial Mental Hospital, Essondale.

Repairs—		
586 pairs of boots		$1,219.40

Provincial Mental Hospital, New Westminster.

Repairs—		
300 pairs of men's boots	$634.10	
272 pairs of women's shoes	290.90	
		$925.00

Statement of Shoemaker-shop, 1945–46.

Production—		
Essondale	$1,219.40	
New Westminster	925.00	
	$2,144.40	
Material on hand, March 31st, 1946	149.40	
		$2,293.80
Costs—		
Salary of shoemaker	$1,740.00	
Materials purchased	502.79	
Light and power	35.00	
Material on hand, March 31st, 1945	135.92	
		2,413.71
Loss		$119.91

PRODUCTION TABLES.

Articles made in Sewing-room, Provincial Mental Hospital, New Westminster, Year ended March 31st, 1946.

Aprons, nurses'	146	Isolation gowns	14
Bedpan-covers	78	Laundry-bags, T.B.	1
Bedspreads, crib	4	Physicals	3
Belts, abdominal	2	Press-covers	36
Bibs, nurses'	194	Sheets	24
Caps, nurses'	71	Shrouds	26
Cuffs, nurses'	162	Silence-cloths	10
Curtains	24	Table-cloths	27
Camisoles	13	Tea-towels	118
Coffee-bags	40	T-straps	14
Chair-covers	2	Triangular bandages	8
Dresses, junior	4	Urn-bags	37
Food-covers	41	Uniforms, nurses'	67
Hoovers	6	Uniform waists	19
Ironing-board covers	23	Waist-bands	59

Buttonholes made 3,986

Articles repaired at Provincial Mental Hospital, New Westminster, Year ended March 31st, 1946.

For Female Wards.

Aprons, nurses'	108	Ironing-board covers	16
Aprons, kitchen	429	Isolation gowns	43
Bibs, nurses'	33	Kimonos	41
Bibs	59	Laundry-bags	15
Brassieres	10	Nightgowns	672
Blouses	74	Nightgowns, junior	416
Blankets	78	Pyjamas	69
Blankets, crib	228	Panties	1,051
Bedspreads	94	Panties, junior	319
Bedpan-covers	51	Pillow-slips	116
Bedjacket	1	Princess slips	641
Caps, nurses'	5	Princess slips, junior	359
Cuffs, nurses'	19	Runners	18
Caps, cooks'	2	Sheets	321
Camisoles	32	Sheets, crib	176
Corselettes	4	Sun-suits	54
Curtains	10	Sweaters	133
Dresses	1,248	Sweaters, junior	19
Dresses, junior	663	Silence-cloths	4
Diapers	34	Table-cloths	14
Hose	159	Towels	375
Hoovers	83	Vests	396
		Vests, junior	209

ARTICLES REPAIRED AT PROVINCIAL MENTAL HOSPITAL, NEW WESTMINSTER, YEAR ENDED MARCH 31ST, 1946—*Continued.*

For Male Wards.

Aprons, kitchen	68	Pillow-tick	1
Blankets	45	Sweaters	74
Bedspreads	92	Socks	2,078
Combinations	125	Sheets	155
Drawers	728	Topshirts	972
Drawers, junior	69	Topshirts, junior	152
Laundry-bags	2	Towels	183
Nightshirts	150	Undershirts	1,533
Nightshirts, junior	269	Undershirts, junior	287
Pyjamas	78	White coats	18
Pillow-slips	69		

OCCUPATIONAL THERAPY, MENTAL HOSPITAL, ESSONDALE, YEAR ENDED MARCH 31ST, 1946.

Wood-working Department.

	Cost of Material.	Value of Products.
1945.		
April	$131.70	$340.40
May	162.20	391.95
June	136.40	338.50
July	105.05	261.15
August	126.20	306.90
September	142.55	379.25
October	118.55	292.95
November	229.85	559.30
December	73.55	186.20
1946.		
January	155.00	363.40
February	113.00	274.25
March	238.60	571.35
	$1,732.65	$4,265.60

Upholstery Department.

	Cost of Material.	Value of Products.
1945.		
April	$357.50	$743.05
May	426.20	797.15
June	453.05	829.15
July	394.30	782.20
August	442.60	801.15
September	348.45	719.05
October	665.10	1,199.60
November	574.80	1,114.80
December	187.55	560.75
1946.		
January	299.15	690.25
February	451.65	874.90
March	456.90	930.90
	$5,057.25	$10,042.95

OCCUPATIONAL THERAPY, MENTAL HOSPITAL, ESSONDALE, YEAR ENDED MARCH 31ST, 1946—*Continued.*

Weaving Department.

1945.	Cost of Material.	Value of Products.
October	$4.80	$24.00

Basketry Department.

1945.	Cost of Material.	Value of Products.
April	$0.45	$2.70
August	28.20	88.20
October	5.05	24.75
November	1.00	5.00
December	2.30	11.00
	$37.00	$131.65

Shoe-making Department.

1945.	Cost of Material.	Value of Products.
April	$79.45	$183.45
May	67.45	155.25
June	102.45	235.30
July	75.10	170.60
August	63.55	141.25
September	87.10	193.95
October	81.50	180.20
November	83.00	188.75
December	44.15	100.10
1946.		
January	89.90	204.05
February	66.50	151.45
March	98.45	221.50
	$938.60	$2,125.85

Patients' Clothing Department.

Print dresses	1,382	Isolation gowns	180
Strong dresses	1,747	Open-back nightgowns	575
Slips	2,111	Panties	515
Vests	1,482	Men's nightshirts	405
Nightgowns	1,105	Ward jackets	384
Bloomers	997	Special dresses	2
Bed-jackets	4	Dining-room uniforms	1

Nurses' Uniforms (New).

Aprons	1,793	Caps	421
Bibs	957	Cuffs (pairs)	708
Belts	857	Uniforms	762

Nurses' Uniforms (Repairs).

Uniforms	386	Aprons	612

OCCUPATIONAL THERAPY, MENTAL HOSPITAL, ESSONDALE, YEAR ENDED MARCH 31ST, 1946—*Continued.*

Mattress Department.

Mattresses	638

Hospital Furnishing Department.

Hospital sheets	5,514	Sanitary belts	24
Pillow-slips	3,955	T-binders	74
Property-bags	250	Laparotomy towels	24
Hand-towels	1,474	Doctors' aprons	2
Slippers (pairs)	9	Nightshirts	483
Roller towels	336	Topshirts	2,292
Trousers altered (pairs)	8	Undershirts	3,550
Barber towels	100	Underdrawers	2,462
Nurses' sheets	392	Socks (pairs)	12,146
Table-napkins	359	Overalls	751
Coats altered	16	Jumpers	33
Table-cloths	289	Blankets	218
Suit altered	1	Spreads	814
Triangular bandages	84	Sheets	2,523
Chefs' caps	87	Pillow-cases	631
Tea-bags	218	Bath-towels	279
Cabinet-covers	31	Hand-towels	92
Face-cloths	500	Tea-towels	4
Surgical head-scarves	24	Roller towels	23
Dressing-bags	8	Table-cloths	48
Sterile supply-bags	156	Aprons	396
Air-ring covers	5	White coats	248
Table-covers	113	White overalls	18
Bedpan-covers	215	White pants	12
Kitchen aprons	102	Doctors' coats	45
Tea-towels	747	Pneumonia jackets	40
Net curtains (pairs)	39	Isolation gowns	443
Drapes lined	26	Laundry-bags	55
Lambrequins	9	Kimonos	70
Lambrequins lined	20	X-ray gowns	2
Doctors' caps	16	Screen curtains	16
Feeding-bibs	12	Ward jackets	45
Table-runners	3	Dresses	3,731
Milkers' hats	3	Nightgowns	2,519
Tray-cloths	112	Slips	913
Dining-room aprons	100	Vests	895
Screen-covers	75	Bloomers	721
Hot-water bottle covers	75	Baby nightgowns	3
Cushion-covers	9	Combinations	19
Cooks' aprons	72	Stupe wringers	12
Doctors' towels	84	Laundry-bags	18
T.B. laundry-bags	28	Sweaters	4
Surgical sheets	7	Tray-covers	2
Lithorotomy sheets	2	Bedpan-covers	2
Laporotomy sheets	1	Binders	12
Doctors' leggings	1	Bath-mats	6
Key-cords	24		

PART III.—COLONY FARM.

BUSINESS MANAGER'S REPORT ON COLONY FARM.

ESSONDALE, B.C., December 17th, 1946.

A. L. Crease, Esq., M.D., C.M.,
General Superintendent of Mental Hospitals,
Essondale, B.C.

SIR,—Herewith please find financial statements covering operations of Colony Farm for the year ended March 31st, 1946.

The profit and loss statement shows a loss on operations of $12,327.07 after charging up cost-of-living bonus and patient-labour. If patient-labour were not taken into account, a profit of $6,672.93 would result. The value of this farm in giving an occupational outlet to certain types of patients is something not reducible to figures, but is a point which should not be lost sight of.

The fact that the farm is also ineligible to benefit from Dominion Government subsidies, while maintaining a price in line with market quotations, naturally results in a loss of some thousands of dollars of revenue. This is evident in the report of the Dairy and Herds Department, where a loss of $3,405.66 is shown.

The only other department showing a loss is the Work-horses, Sales, and Deaths. The Hog, Orchard and Truck-garden, and Field Crop Departments all show substantial profits.

The bulk of the farm's produce has been received by the Essondale and New Westminster hospitals, whose purchases amounted to $171,992.07 and $21,631.85 respectively, while the Home for the Aged, the Boys' Industrial School of Port Coquitlam, and the Mental Home at Colquitz participated to a lesser extent.

Full particulars may be had from the profit and loss statements and other reports presented herewith.

Respectfully submitted.

GOWAN S. MACGOWAN,
Business Manager.

BALANCE-SHEET, YEAR ENDED MARCH 31ST, 1946.

ASSETS.

Land Account—			
Colony Farm		$117,484.86	
Wilson Ranch		108,164.35	
			$225,649.21
Buildings and plant			260,332.17
Water system			4,411.25
Bridge			17,535.89
Fencing, pavement, etc.			68,818.67
Inventories—			
Equipment		$28,675.50	
Bulls		3,500.00	
Cows		62,650.00	
Yearlings		14,150.95	
Calves		1,922.03	
Work-horses		3,370.00	
Hogs		20,509.00	
Feed		19,730.50	
Gasoline and sundry		945.25	
Orchard and truck-garden		12,409.10	
			167,862.33
Accounts receivable			35,370.62
Growing Crops Apportionment Account			5,891.42
			$785,871.56

LIABILITIES.

Surplus Account			$454,667.27
Profits to March 31st, 1945		$331,420.29	
Profits for year 1945–46	$18,784.00		
Less patient-labour	19,000.00		
		216.00	
			331,204.29
			$785,871.56

PROFIT AND LOSS ACCOUNT, YEAR ENDED MARCH 31ST, 1946.

Department.	Debits.	Credits.	Loss (Deaths and Destroyed).	Loss.	Gain.
Dairy and herds	$87,563.98	$84,158.32	.....	$3,405.66	.....
Cows	5,387.00	7,982.76	$1,045.00	.....	$3,640.76
Calves	842.05	4,695.42	45.00	.....	3,898.37
Yearlings	570.98	818.27	330.00	.....	577.29
Bulls	275.00	728.00	75.00	.....	528.00
Work-horses, sales and deaths	1,475.00	560.00	490.00	425.00	.....
Work-horses, labour account	15,344.57	15,790.00	.....	.....	445.43
Hogs	44,049.80	58,786.42	.....	.....	14,736.62
Cannery	28,622.39	28,824.91	.....	.....	202.52
Orchard and truck-garden	21,140.69	33,759.46	.....	.....	12,618.77
Tractors	3,476.74	4,964.00	.....	.....	1,487.26
Trucks	2,939.04	3,633.00	.....	.....	693.96
Farm maintenance	39,709.65	3,089.22	.....	36,620.43	.....
Field crops and pasturage	20,337.89	42,729.00	.....	.....	22,391.11
	$271,734.78	$290,518.78	$1,985.00	$40,451.09	$61,220.09
					40,451.09

Profit on operations (exclusive of loss from deaths, destroyed stock, and patient-labour)		$20,769.00
Deaths and destroyed stock	$1,985.00	
Patient-labour	19,000.00	
		20,985.00
Loss for year before providing for cost-of-living bonus		$216.00
Cost-of-living bonus		12,111.07
Loss for year after providing for all operating costs		$12,327.07

DAIRY AND HERDS DEPARTMENT.

Profit and Loss Account, March 31st, 1946.

Expenses.

Total expenses for year		$87,563.98

Production.

Dairy produce supplies	$81,658.32	
Credit for manure	2,500.00	
		84,158.32
Loss for year		$3,405.66

Production and Costs Account, March 31st, 1946.

Dairy—		
Salaries and upkeep		$2,648.63
General herd—		
Salaries and upkeep	$33,612.20	
Feed	48,782.99	
Pasturage and green feed	2,520.16	
		84,915.35
		$87,563.98
Less allowance for manure		2,500.00
		$85,063.98

Milk Production for Year 1945–46.

	Production. Lb.	Cost.
1945.		
April	200,185	
May	231,440	
June	216,068	
July	223,726	
August	228,535	
September	216,742	
October	218,632	
November	218,551	
December	223,246	
1946.		
January	238,295	
February	216,375	
March	236,188	
	2,667,983	$85,063.98

Average cost of production, pasteurization, etc., 31.9 cents per gallon.

MATURE COW DEPARTMENT.

Profit and Loss Account, March 31st, 1946.

	Asset Value.	Selling Price.
4 cows died or destroyed	$1,050.00	$5.00
2 cows sold	125.00	136.80
28 cows butchered	4,212.00	4,248.56
Gain on inventory		3,592.40
	$5,387.00	$7,982.76
		5,387.00
Profit for year		$2,595.76

CALVES DEPARTMENT.

Profit and Loss Account, March 31st, 1946.

	Asset Value.	Selling Price.
4 calves died or destroyed	$45.00	
23 calves sold	531.20	$3,635.00
39 calves vealed	265.85	860.42
Manure, credit		200.00
	$842.05	$4,695.42
		842.05
Profit for year		$3,853.37

YEARLING DEPARTMENT.

Profit and Loss Account, March 31st, 1946.

	Asset Value.	Selling Price.
2 yearlings died or destroyed	$335.00	$5.00
1 yearling butchered	153.90	103.27
1 yearling sold	82.08	200.00
Manure, credit		510.00
	$570.98	$818.27
		570.98
Profit for year		$247.29

BULL DEPARTMENT.

Profit and Loss Account, March 31st, 1946.

	Asset Value.	Selling Price.
1 bull sold	$100.00	$137.06
1 bull died or destroyed	75.00	----------
1 bull butchered	100.00	151.74
Gain on inventory	----------	439.20
	$275.00	$728.00
		275.00
Profit for year		$453.00

WORK-HORSE DEPARTMENT.

Sales and Deaths Account, March 31st, 1946.

	Asset Value.	Selling Price.
5 horses sold	$735.00	$550.00
2 horses died or destroyed	500.00	10.00
Loss on inventory	240.00	----------
	$1,475.00	$560.00
		1,475.00
Loss for year		$915.00

Work-horse Labour Account, March 31st, 1946.

Salaries and upkeep	$10,760.96
Feed and pasturage	4,583.61
	$15,344.57
Less credit for manure	250.00
	$15,094.57
Horse-labour charged to crop and other departments	15,540.00
Profit for year	$445.43

Note.—Against cost of $15,094.57, 25,172 hours of horse-labour were performed at a cost of 60 cents per horse-hour, including teamsters' wages.

HOG DEPARTMENT.

Profit and Loss Account, March 31st, 1946.

Receipts.

By sales—		
Live hogs	$3,389.23	
Pork supplied Essondale Hospital	31,259.54	
Pork supplied New Westminster Hospital	3,028.65	
By credit for manure	600.00	
Inventory, March 31st, 1946	20,509.00	
		$58,786.42

Expenses.

Salaries and upkeep	$6,064.65	
Feed	18,268.15	
Horse-labour	31.00	
Truck	696.00	
Tractor	58.00	
	$25,117.80	
Inventory, March 31st, 1945	18,932.00	
		44,049.80
Profit		$14,736.62

CANNERY.

Profit and Loss Account, March 31st, 1946.

Production.

Supplies to Mental Hospital, Essondale	$22,257.95	
Supplies to Mental Hospital, New Westminster	4,576.41	
Supplies to Mental Hospital, Colquitz	1,884.30	
Supplies to Sanatorium, Tranquille	94.25	
Supplies to Home for the Aged, Port Coquitlam	12.00	
		$28,824.91

Expenses.

Salaries	$4,200.00	
Repairs	801.37	
Fruit and vegetables	14,649.37	
Sugar, spice, etc.	3,109.30	
Cans, crates, and containers	4,116.85	
Truck-haulage	445.50	
Fuel	800.00	
Light, water, and power	500.00	
		28,622.39
Profit		$202.52

ORCHARD AND TRUCK-GARDEN.

Profit and Loss Account, March 31st, 1946.

Receipts.

Produce sold to sundry institutions	$374.14	
Produce sold to Essondale Hospital	19,171.10	
Produce sold to New Westminster Hospital	561.97	
Produce supplied to cannery	1,243.15	
Inventory, March 31st, 1946	12,409.10	
		$33,759.46

Expenses.

Salaries, seeds, etc.	$4,341.19	
Horse-labour	2,849.00	
Truck-haulage	43.50	
Tractor-work	348.00	
Manure and fertilizer	700.00	
Inventory, March 31st, 1945	12,859.00	
		21,140.69
Profit		$12,618.77

FIELD CROPS AND PASTURAGE.

Profit and Loss Account, March 31st, 1946.

Crop.	Acreage.	Yield (Tons).	Yield per acre.	Value.	
Potatoes	59.00	792.73	13.44	$26,978.02	
Oats	19.00	17.34	0.91	1,015.10	
Straw	19.00	32.18	1.69		
Hay	91.00	112.43	1.24	3,035.61	
Ensilage	50.50	925.50	18.32	4,164.75	
Onions	3.75	20.84	5.56	1,991.42	
Mangels	8.00	49.78	6.22	248.92	
Turnips	3.00	51.41	17.14	2,005.02	
Pasturage and green feed	291.75	.....	.....	3,290.16	
					$42,729.00

Costs.

Horse-labour	$6,059.00	
Tractor-work	3,317.00	
Trucking	505.50	
Manure	3,360.00	
Fertilizer and spray	3,035.02	
Seeds and sets	2,981.37	
Supervision	1,080.00	
		20,337.89
Profit		$22,391.11

TRACTOR.

PROFIT AND LOSS ACCOUNT, MARCH 31ST, 1946.

2,478 hours' work		$4,964.00
Expenses.		
Salaries and upkeep	$3,045.82	
Gasoline and oil	430.92	
		3,476.74
Profit		$1,487.26

TRUCKS.

PROFIT AND LOSS ACCOUNT, MARCH 31ST, 1946.

2,422 hours' work		$3,633.00
Expenses.		
Salaries and upkeep	$2,509.26	
Gasoline and oil	429.78	
		2,939.04
Profit		$693.96

GENERAL EXPENSES OF MAINTENANCE AND ADMINISTRATION.

PROFIT AND LOSS ACCOUNT, MARCH 31ST, 1946.

Salaries and vouchers	$27,306.43	
Horse-labour	1,088.50	
Truck-work	394.50	
Tractor	252.00	
Heating	60.00	
Gasoline, oil, etc.	352.11	
Sundry	1,152.25	
		$30,605.79
Proportion, Headquarters expense	$2,100.00	
General repairs through Public Works Department	7,003.86	
		9,103.86
		$39,709.65
Less sundry credits		3,089.22
		$36,620.43

MISCELLANEOUS STATEMENTS, INVENTORIES, ETC.

Mental Hospital, Essondale—Produce Supplied by Colony Farm for year ended March 31st, 1946.

Dairy produce—		
Milk, 1,602,546 lb.	$49,678.91	
Cream, 1,306 quarts	979.67	
Table cream, 7,414 gallons	11,837.40	
		$62,495.98
Meats—		
Veal, 3,990 lb.	$798.00	
Beef, 24,848 lb.	4,441.68	
Hearts, livers, tongues, 644 lb.	124.31	
Fresh pork, 167,218 lb.	30,935.34	
Pork plucks, 3,242 lb.	324.20	
		36,623.53
Fruits and vegetables—		
Fresh	$44,706.61	
Canned	22,257.95	
		66,964.56
Sundries—Horse-labour		5,908.00
		$171,992.07

Mental Hospital, New Westminster—Produce Supplied by Colony Farm for year ended March 31st, 1946.

Dairy produce—		
Milk, 181,700 lb.	$5,632.70	
Cream, 282 quarts	211.49	
Table cream, 1,089 gallons	1,742.40	
		$7,586.59
Meats—		
Fresh pork, 16,196 lb.	$2,996.25	
Pork plucks, 324 lb.	32.40	
		3,028.65
Fruits and vegetables—		
Fresh	$6,389.20	
Canned	4,576.41	
		10,965.61
Sundries—		
Tractor-work	$40.00	
Miscellaneous	11.00	
		51.00
		$21,631.85

Accounts Receivable, March 31st, 1946.

Sundry amounts due from live stock, etc., sold	$35,370.62

MISCELLANEOUS STATEMENTS, INVENTORIES, ETC.—*Continued.*

Remittances to Treasury.

Sundry remittances to Treasury during year 1945–46, in payment of live stock and produce	$226,376.78

Summary of Equipment Inventories, March 31st, 1946.

Equipment in dairy	$4,084.50
Equipment in cannery	3,890.20
Horse and cattle barns and piggery	4,139.00
Farm implements	12,359.30
Pumping-stations and land-clearing	3,186.00
Butcher-shop	166.00
Carpenter-shop	357.50
Blacksmith-shop	493.00
	$28,675.50

Orchard and Small Fruits.

Apple-trees	$730.00
Pear-trees	1,523.00
Cherry-trees	444.00
Prune-trees	1,752.00
Plum-trees	1,925.00
Strawberry-plants	300.00
Raspberry-canes	2,000.00
Rhubarb clumps	3,200.00
	$11,874.00

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