

**Fiftieth report of the Board of Visitors of Brooklyn State Hospital to the
Department of Mental Hygiene for the fiscal year ended March 31, 1945.**

Contributors

Brooklyn State Hospital.
Partridge, Charles.
Whitehall, Grace Wilson.
Bellinger, Clarence H.
Heilman, John R.

Publication/Creation

Utica : State Hospitals Press, [1945]

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STATE OF NEW YORK

FIFTIETH REPORT

OF THE

BOARD OF VISITORS

OF

Brooklyn State Hospital

TO THE

DEPARTMENT OF MENTAL HYGIENE

For the Fiscal Year Ended March 31, 1945

State Hospitals Press
Utica, N. Y.

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OFFICERS

DEPARTMENT OF MENTAL HYGIENE

FREDERICK MACCURDY, M. D., *Commissioner*

BOARD OF VISITORS

Charles Partridge, <i>President</i>	Term expires December 31, 1945
Grace W. Whitehall, <i>Secretary</i>	Term expires December 31, 1947
Jacob H. Goetz	Term expires December 31, 1949
Edwin W. Kleinert	Term expires December 31, 1951
Joseph J. Sartori	Term expires December 31, 1946
Edwiene Schmitt	Term expires December 31, 1950
John B. Byrne, Jr., M. D.	Term expires December 31, 1948

CONSULTING AND VISITING STAFF

NEUROLOGY AND PSYCHIATRY

Frederick C. Eastman, M. D.	278 Hancock Street, Brooklyn
*Orman C. Perkins, M. D.	829 Carroll Street, Brooklyn
Irving Sands, M. D.	202 New York Avenue, Brooklyn

NEUROSURGERY

E. J. Browder, M. D.	96 Joralemon St., Brooklyn
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SURGERY

John L. Bauer, M. D.	934 Bushwick Avenue, Brooklyn
J. Earl Miles, M. D.	416 Ocean Avenue, Brooklyn
Charles C. Cochrane, M. D.	909 President Street, Brooklyn
*H. Norman Runsdorf, M. D.	510 Elmwood Avenue, Brooklyn
John C. Alesi, M. D.	1006 Willoughby Avenue, Brooklyn
Alan A. Kane, M. D.	2709 Newkirk Avenue, Brooklyn

UROLOGY

*William F. McKenna, M. D.	125 Gates Avenue, Brooklyn
Mark Fishberg, M. D.	80 Hanson Place, Brooklyn

OPHTHALMOLOGY

Rodolph M. Cutino, M. D.	79 Pierrepont Street, Brooklyn
Charles A. Marciano, Jr., M. D.	241 Carroll Street, Brooklyn

OTORHINOLOGY

John Ross, M. D.	4 East 70th Street, Brooklyn
Carl W. Lupo, M. D.	215 St. John's Place, Brooklyn

DERMATOLOGY

Alfred Potter, M. D.	370 Sterling Place, Brooklyn
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INTERNAL MEDICINE

Henry M. Moses, M. D.	108 Prospect Park West, Brooklyn
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CARDIOLOGY

Burton L. Zohman, M. D.	7223 Ft. Hamilton Parkway, Brooklyn
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*Military service.

ROENTGENOLOGY

*B. Ehrenpreis, M. D.	338 New York Avenue, Brooklyn
*A. H. Levy, M. D.	756 Crown Street, Brooklyn
I. H. Silverstein, M. D.	1354 Carroll Street, Brooklyn

GASTROENTEROLOGY

Irving Gray, M. D.	41 Eastern Parkway, Brooklyn
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PHYSIOTHERAPY

John J. Hauff, M. D.	112 Prospect Park West, Brooklyn
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BRONCHOSCOPY

Harry Meyersburg, M. D.	338 Clermont Avenue, Brooklyn
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ORTHOPEDIC SURGERY

Kenneth T. Young, M. D.	Rockville Center, N. Y.
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PODIATRY

Daniel Morgan, D. S. C.	13 W. 9th Street, New York
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PSYCHOLOGY

Mrs. Mary G. Earle, Ph.D.	378 Burns Street, Forest Hills
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RESIDENT OFFICERS

Clarence H. Bellinger, M. D.	<i>Director</i>
Nathan Beckenstein, M. D.	<i>Assistant Director</i>
Christopher E. Terrence, M. D.	<i>Assistant Director</i>
Gedeon Eros, M. D.	<i>Director of Clinical Laboratories</i>
Simon Moore, M. D.	<i>Senior Physician</i>
Anna M. Agnew, M. D.	<i>Senior Physician</i>
Albert S. Palombo, M. D.	<i>Senior Physician</i>
John A. Bianchi, M. D.	<i>Senior Physician</i>
*Mark Zeifert, M. D.	<i>Senior Physician</i>
*James E. Rappa, M. D.	<i>Senior Physician</i>
Carmelo J. Chiarello, M. D.	<i>Senior Physician</i>
Sidney L. Tamarin, M. D.	<i>Senior Physician</i>
John M. Murphy, M. D.	<i>Senior Physician</i>
Leonard S. Gold, M. D.	<i>Senior Physician</i>
Vincent Iuspa, M. D.	<i>Senior Physician</i>
*Joseph K. Zimmerman, M. D.	<i>Physician</i>
James F. Durand, M. D.	<i>Physician</i>
Samuel H. Korman, M. D.	<i>Physician</i>
*Paul I. Tarantola, M. D.	<i>Physician</i>
Theodore P. Goldstein, M. D.	<i>Physician</i>
Frank A. Sportiello, M. D.	<i>Physician</i>
Elma M. Comer, M. D.	<i>Physician</i>
*S. Reginald Kesselman, M. D.	<i>Resident Physician</i>
Paul D. Lotesta, M. D.	<i>Resident Physician</i>
*Albert L. Deutsch, M. D.	<i>Resident Physician</i>

*Military service.

Stephen Nordlicht, M. D.	<i>Resident Physician</i>
*Edward J. McGuinness, M. D.	<i>Resident Physician</i>
*Alfred J. Raphael, M. D.	<i>Resident Physician</i>
*Joseph John Villara, M. D.	<i>Resident Physician</i>
Sylvester T. Centrone, M. D.	<i>Resident Physician</i>
Angelo Emma, M. D.	<i>Resident Physician</i>
*Martin Perlmutter, M. D.	<i>Resident Physician</i>
*Remo R. Cerulli, M. D.	<i>Resident Physician</i>
*William Schreiber, M. D.	<i>Resident Physician</i>
*Jerome H. Davis, M. D.	<i>Resident Physician</i>
*Louis J. Mautone, M. D.	<i>Resident Physician</i>
Louis E. DeRosis, M. D.	<i>Resident Physician</i>
Albert Goodman, M. D.	<i>Resident Physician</i>
Vincent Ferreri, M. D.	<i>Resident Physician</i>
*Max Fox, M. D.	<i>Resident Physician</i>
Amerigo Bertolini, M. D.	<i>Resident Physician</i>
*Joseph M. Meinhofer, M. D.	<i>Resident Physician</i>
Leon Olinger, M. D.	<i>Resident Physician</i>
Antonio Bottino, M. D.	<i>Resident Physician</i>
Herman Tanowitz, M. D.	<i>Resident Physician</i>
Herman Kass, M. D.	<i>Resident Physician</i>
Dennis A. Kelleher, M. D.	<i>Resident Physician</i>
*John J. McCauley, D. D. S.	<i>Senior Dentist</i>
*Raymond A. O'Connell, D. D. S.	<i>Dentist</i>
Joseph Zeger, D. D. S.	<i>Resident Dentist</i>
Jack Resnick, D. D. S.	<i>Resident Dentist</i>
John R. Heilman	<i>Senior Business Officer</i>
Bruno Oshinski	<i>Principal Account Clerk</i>
Peter J. Romeo, Ph.G.	<i>Pharmacist</i>
Florance R. Unwin, R. N.	<i>Principal of Nurses' Training School</i>
Laura L. Kampe, R. N.	<i>Assistant Principal of Nurses' Training School</i>
Lucilla J. Zimmerman, R. N.	<i>Instructor of Nursing</i>
Anne F. Flynn, R. N., B. S.	<i>Instructor of Nursing</i>
*Susan C. Wilson	<i>Senior Occupational Therapist</i>
Esther E. Niblock, B. A., M. A.	<i>Occupational Instructor</i>
Mildred H. Lockwood, B. S., M. S. S.	<i>Supervisor of Social Work</i>
Gertrude L. Peet, B. S.	<i>Senior Social Worker</i>
Sophia M. Steese, A. M.	<i>Social Worker</i>
Ida Braiman, B. A.	<i>Social Worker</i>
Patricia H. Farrell, B. A.	<i>Social Worker</i>
Roslyn J. Richmond, B. A.	<i>Social Worker</i>
Leonora Siegman, B. A.	<i>Social Worker</i>
Esther Moskowitz, B. A.	<i>Social Worker</i>
Fred T. Ross	<i>Head Stationary Engineer</i>
James M. Mohan	<i>Maintenance Supervisor</i>

*Military service.

ATTENDING CLERGYMEN

Rev. Samuel H. Lowther	157 St. Paul's Place, Brooklyn
Rev. Alexander Wouters	144-04 Roosevelt Avenue, Flushing
Rev. John S. Smith	236 Fenimore Street, Brooklyn
Rev. Charles McAlpine	546 E. 9th Street, Brooklyn
Rev. James F. Daly	Carroll Street and Nostrand Avenue, Brooklyn
Rev. Samuel Wolk	150 E. 18th Street, Brooklyn

REPORT OF THE BOARD OF VISITORS

To the Department of Mental Hygiene,

Honorable Frederick MacCurdy, M. D., *Commissioner:*

This, the fiftieth annual report of Brooklyn State Hospital for the year beginning April 1, 1944 and ending March 31, 1945, is submitted for your consideration. The reports of the director and of the senior business officer and treasurer, which contain detailed records of the operation of the hospital, are attached hereto and made a part of this report.

Changes in the Board of Visitors during the year were as follows:

April 12, 1944 Edwiene Schmitt was appointed to succeed Mrs. Grace W. Whitehall, whose term expired December 31, 1943. On June 12, 1944 Mrs. Grace D. Druhan resigned because of illness; June 17, Mrs. Grace W. Whitehall was appointed to fill the unexpired term of Mrs. Druhan; February 2, 1945 Edwin W. Kleinert was re-appointed for a full term.

At the annual meeting held October 7, 1944 Charles Partridge was elected president and Mrs. Grace W. Whitehall, secretary. The following standing committees were appointed: building and repairs, including lighting, heating, sanitation and fuel supply, Edwin K. Kleinert and Jacob H. Goetz; care and treatment of patients and inspection of wards, Mrs. Grace W. Whitehall and Doctor John B. Byrne; food supplies and inspection of kitchens and dining rooms, Edwiene Schmitt and Joseph J. Sartori; revisions and disallowances by the Department of Mental Hygiene, Charles Partridge.

Regular monthly meetings were held each month during the year except the month of August.

The board continued its practice of assigning one member each month to make an inspection of the institution, with the requirement that a detailed report with recommendations if any, be submitted at the following meeting of the board.

The recorded attendance at meetings and of visits to the hospital of each member is as follows:

	Meetings attended	Visits to hospital
Charles Partridge	11	14
Grace W. Whitehall	5	12
Dr. John B. Byrne	8	82
Edwiene Schmitt	9	13
Jacob H. Goetz	9	12
Joseph J. Sartori	7	9
Edwin W. Kleinert	7	9

NOTE: Mrs. Whitehall was appointed after the June meeting.

Doctor Frederick MacCurdy, Commissioner, made an official visit to the hospital on October 7, 1944, attended the annual meeting of the board and discussed the budget requests for the fiscal year beginning April 1, 1945 with the director, the senior business officer and members of the board.

In the present national emergency 19 physicians from the staff and approximately 300 nurses and employees were called into military service. We call particular attention to the efficient service rendered by our director, Doctor Clarence H. Bellinger, in promptly filling these positions at a time when many other hospitals, public and private, were unable to fill similar vacancies.

While some of the new doctors were young and some of the new employees were old, the doctors were graduates of accredited colleges and the new employees were assigned to duties which they could perform. As a result the hospital was able not only to continue all of the various forms of shock therapy and maintain its usual high standard of medical, surgical and psychiatric treatment of patients, but during the year expanded its clinic and outpatient facilities.

The hospital conducts and staffs the following mental clinics for outpatients and the public: Polhemus Clinic, Friday afternoon by three doctors; Brooklyn Hospital Clinic, Monday and Thursday afternoons by four doctors; Israel Zion Hospital clinic, Monday afternoon by two doctors; Ft. Greene Health Center, Monday night, 7 to 10 p. m., known as the Brooklyn Neuropsychiatric Clinic, Flatbush Avenue Extension, conducted by Doctor Clarence H. Bellinger, assisted by seven doctors; the Child Guidance Clinic, 201 Montague Street, conducted Monday afternoon, Doctor Christopher F. Terrence in charge; the Child Guidance Clinic at Brooklyn Hospital, conducted by Doctor Nathan Beckenstein on Tuesday afternoon; Brooklyn State Hospital, two clinics for patients on convalescent status, Thursday afternoon and Saturday morning, three physicians in charge.

During the year an average of 1,137 patients, 440 men and 697 women, were on convalescent care in their homes under the supervision and guidance of 18 social workers, demonstrating the beneficial effects of the care and treatment which they received while in the hospital.

The board again calls attention to the need for a new fireproof reception building to accommodate 2,000 patients to replace the present building which accommodates only 360 patients. During the year 2,504 new patients were admitted to the present building, the admissions in some months exceeding 300 patients. It is obvious that with this volume of admissions, new patients cannot remain in the building long enough to permit proper observation and study. In addition the present building has been in use for years, the wards are too small, there is not suitable space for the administration of any form of shock therapy, and it is poorly arranged for use in modern treatment of mental disease.

The board again requests that a new employees' home for at least 300 employees be erected to provide accommodations for at least 50 married couples, 100 single men, and 100 single women. The board feels that the present practice of permitting young, unmarried employees to live outside the hospital is detrimental to the best interests of the hospital.

A number of the married couples are now housed in the north wing of the nurses home with the result that the balance of this home is so overcrowded that in some instances two students are forced to occupy single rooms.

The board understands that an appropriation has been made by the Legislature for the purchase of a strip of land on Utica Avenue adjoining the hospital, and for additional land between Winthrop Street and Rutland Road, to provide sites for urgently needed recreational facilities and for future development. The board suggests that title to this land be vested at the earliest possible moment as prices are advancing and the present owners may begin building operations now that material and labor is becoming available.

The board wishes to thank the officers and employees of the institution for their excellent work during the year.

In closing, the board expresses to Honorable Thomas E. Dewey, Governor of the State of New York, to Doctor Frederick MacCurdy, Commissioner of Mental Hygiene, to Commissioner White of the Division

of Architecture, to members of the Legislature and of various State departments, its deep appreciation of their continued interest in Brooklyn State Hospital and thanks them for the assistance which they have rendered throughout the year.

Respectfully submitted,

CHARLES PARTRIDGE,
President, Board of Visitors,
Brooklyn State Hospital

GRACE WILSON WHITEHALL, *Secretary*

Dated: New York, March 31, 1945

REPORT OF THE DIRECTOR

To the Board of Visitors:

In accordance with the provisions of Mental Hygiene Law, I respectfully submit this, the Fiftieth Annual Report of Brooklyn State Hospital for the year ended March 31, 1945. The records of the senior business officer and deputy treasurer are included in, and made a part of, this report.

Notwithstanding the many handicaps caused by wartime conditions, we have maintained a high standard of medical, surgical and psychiatric treatment of patients admitted to the institution during the year. The outpatient department, consisting of two child guidance clinics and several mental hygiene clinics, has continued to function at a high standard of efficiency and without interruption. Although it has been necessary for us to employ many inexperienced persons, we have maintained a program of intensive instruction to the end that after a short period of time these employees were able to obtain such information as they needed to carry on their work, thereby enabling them to render efficient service.

The shock therapy units have continued to function uninterruptedly throughout the year. Attached to and made a part of this report, will be found tables which show the extent of treatments administered and results obtained.

Notwithstanding their many duties at the hospital, the members of the medical staff, social workers, nurses and employees have given liberally of their time to various community projects, particularly those pertaining to civilian defense. Members of the staff have given courses of lectures to the public in first aid and home nursing. The director, as chairman of the Consumer's Committee of the 71st Precinct, was closely associated with all of the civilian defense activities in the police precinct in which the hospital is located.

The care of the aged has become an increasingly important problem, as is indicated by the percentage increase of first admissions of patients suffering from senile psychosis and cerebral arteriosclerosis both throughout the State and at this hospital. In the hospital we endeavor to segregate these patients into groups where they are given careful nursing care and attention, and are not subjected to the likelihood of injury through contact with younger patients on the other wards in the hospital.

During the past year 185 veterans were admitted for care and treatment. A large number of these were given shock therapy and soon im-

proved to the extent that they were able to leave the hospital on convalescent status. Those who did not respond favorably to shock therapy and therefore continued to require care and treatment have been placed in veterans' facilities wherever possible, but due to the overcrowded condition of these institutions and their inability to take our patients, we have sent a considerable number to the Veterans' Memorial Division of the Kings Park State Hospital, which was provided some years ago for the care and treatment of this type of patient. As more veterans return from the service we anticipate that the number of those with mental disease requiring admission to this hospital will increase. It is also highly probable that the number applying for care and treatment in the clinics maintained as the outpatient department will increase quite materially. The problem of the psychiatric care of the returning veteran in general should be a federal one, and it is hoped that the Federal government will not delay in providing adequate hospitals for the psychiatric care and treatment of the men and women who have been called from their homes to do active duty with the armed forces.

MOVEMENT OF PATIENTS

During the year 2,504 patients, 1,102 men and 1,402 women, were admitted to the hospital. This decrease from the preceding year was brought about by the order of the Commissioner of Mental Hygiene which discontinued admissions from the psychiatric wards of Bellevue and Kings County Hospitals from September 1 to October 15, 1944 and for the entire month of February, 1945. During the year we transferred only 322 patients to other institutions, which is approximately one-third the number transferred in former years. There were 1,375 cases, 529 men and 846 women, placed in convalescent care. Discharged cases numbered 1,280, and deaths 942. This number of deaths is due mainly to the fact that 48.4 per cent of our first admissions were aged persons, many of whom came to us in poor physical condition.

The law covering commitment of patients to State hospitals was changed during the year so that at the present time patients are certified to the hospital by a judge, where they may be held for 60 days. If the director of the institution finds that they are in need of further care at the end of this time, he makes a certificate to that effect, filing one copy with the Department of Mental Hygiene and one with the clerk of the county from which patient was admitted. This law took effect October 1,

1944 following which 699 patients were admitted on judicial certification, 595 of which were subsequently certified by the director.

There were 682 patients admitted on physician's certificate, 45 of which were subsequently judicially certified. There were 82 patients who entered the hospital voluntarily, one of which was later judicially certified. Twenty-three patients were admitted on emergency certificate; 8 men were admitted on criminal orders.

Patients admitted for the first time numbered 1,916, 845 men and 1,071 women. Of these, 28.8 per cent were cases of psychosis with cerebral arteriosclerosis, 19.6 per cent senile psychosis, 24 per cent dementia præcox, 9.3 per cent involutional psychosis; 5.6 per cent manic-depressive psychosis, and 2.4 per cent general paresis, as compared to 29.5, 21.5, 23.7, 7.7, 3.7 and 2.6 per cent respectively for the preceding year. The patients afflicted with psychosis with cerebral arteriosclerosis and senile psychosis, therefore, accounted for 48.4 per cent of first admissions, a slight decrease from the 50.6 per cent for last year.

During the year 1,277 patients were discharged either outright or from convalescent status. Of these, 424, or 33.2 per cent, were considered recovered; 395, or 30.9 per cent, were much improved; and 438 or 33.5 per cent, were improved. In other words 64.1 per cent of the patients discharged had made a very good readjustment.

There were five writs of habeas corpus served during the fiscal year. Three were dismissed and the patients remanded to the hospital. Two other writs were served in the case of one patient. The first was withdrawn and the patient returned to the hospital. The second was sustained and the patient was discharged.

There were 942 deaths during the year, which was a decrease from 1,192 for the preceding fiscal year. Patients with senile and arteriosclerotic psychoses accounted for approximately 83 per cent of the deaths. Heart condition continues to be the outstanding cause of death, accounting for 76.8 per cent, which is an increase over 71.3 per cent for the preceding year. Respiratory diseases dropped to 5.9 per cent from 10.9 for the last year. Deaths from exhaustion rose slightly to 2.2 per cent from 1.4 per cent for the preceding year. Cancer was responsible for 3.5 per cent of the deaths.

GENERAL HEALTH OF PATIENTS AND EMPLOYEES

On entering the hospital all new patients and employees receive a thorough physical examination which includes an X-ray examination of

the chest to determine whether or not they have tuberculosis. Food handlers are subjected to laboratory tests to make sure that they are free from any type of contagious disease. In addition to this, weight charts are kept on all patients so that any undue loss of weight can be easily detected and the cause found and corrected.

Whenever a patient is found to be suffering from tuberculosis, arrangements are promptly made to have him removed to the tuberculosis pavilion of the Kings Park State Hospital. During the year 25 tuberculous patients were transferred to that hospital.

Both patients and employees are given vaccines to protect them against smallpox and typhoid fever and, wherever indicated by a positive routine Schick test, they are immunized against diphtheria.

During the year 145 men and 225 women employees, a total of 370, were admitted to the sickbay, the average period of treatment being 6.6 days.

During the year one homicide occurred in the hospital when a disturbed patient ran across the room and jumped upon an aged man, inflicting injuries which resulted in death. The matter was promptly referred to the medical examiner and the office of the district attorney of Kings County. Steps were promptly taken to have the patient, who heretofore had never shown dangerous tendencies, transferred to the Matteawan State Hospital at Beacon, N. Y.

Two suicides occurred in the hospital and there were four unsuccessful suicidal attempts. Forty-five patients, 42 men and 3 women, escaped from the institution. Four were later apprehended and transferred to other State hospitals; all except seven were promptly returned to the hospital. One hundred nineteen fractures and five dislocations occurred among the patients; 17 employees sustained injuries.

TREATMENT OF PATIENTS

We have continued to make every effort to provide our patients with the best possible medical, surgical and psychiatric care and treatment. Sulfa drugs and penicillin have been of tremendous value in the treatment of pneumonia and severe infections.

During the year there was a daily average of 940 patients confined to bed because of physical illness; the number of patients fed from trays averaged 1,005 and those spoon-fed, 378. The average number of medications was 4,369, dressings 253, special treatments 599. A daily average of 1,146 patients received special diets.

Consulting and visiting specialists in the various fields of medicine and surgery have continued to make regular visits and to respond to any calls to assist the resident staff in diagnosis and treatment of our patients and employees. In our well equipped operating room 44 major operations, 15 minor operations and 74 miscellaneous procedures, such as biopsies, were performed.

The X-ray department has continued active throughout the year. We have a trained technician in charge, assisted by a junior technician and a student nurse. This department is under the supervision of a senior member of the medical staff. Regular visits are made by the consulting roentgenologist who assists in directing the work of the department and interpreting the X-ray plates. During the past year 6,183 X-ray films were taken. Eight hundred seventy-six X-ray treatments were given, the majority of which were for the treatment of cancer. During the year 2,326 films taken with the electrocardiograph were processed in this department. Two thousand eight hundred thirty-seven patients were photographed and all of these films were processed in the dark room of the X-ray department.

Our senior dentist and our dentist are both in the armed services. In their absence the dental work was carried on by two part time dentists. However, on February 15 we were able to obtain a dentist with the approval of the War Manpower Commission, and another one on March 1. The mouths of all newly admitted patients were examined and an effort made to place them in the best possible hygienic condition.

The hydrotherapy and physiotherapy departments are under the supervision of a resident senior physician assisted by two head nurses who have had special training, and student nurses assigned for two week periods. During the year 7,817 treatments were given in hydrotherapy and 9,778 in physiotherapy. In addition to this, 1,372 massages and corrective exercises were administered.

Newly admitted patients are given careful gynecological examinations by our resident senior female physician. Nine pregnant women patients were admitted and delivered. All of the children were either taken by relatives or placed in suitable homes.

Three hundred eighty-eight patients were treated with some form of anti-syphilitic therapy during the year. There were 3,932 treatments with bismuth and 1,662 treatments with arsenicals. Forty-eight patients received fever therapy with malaria as the activating agent, and 32 with typhoid fever vaccine.

We have continued to use shock therapy extensively in the care and treatment of patients. It is our experience that the earlier in the disease that patients are treated, the better are the results. We prefer insulin shock treatment in all cases of schizophrenia of short duration. Three hundred eleven patients were treated with insulin shock therapy, of which number 163, or 53 per cent, improved sufficiently to leave the hospital.

Metrazol treatment was administered to 257 patients suffering from dementia præcox, many of whom had failed to respond to insulin shock therapy. Of this number, 199, or 46.3 per cent, improved sufficiently to leave the hospital. Thirty-three cases of manic-depressive psychosis received metrazol of which number, 25, or 75.5 per cent, improved sufficiently to leave the institution. Twenty-one patients diagnosed as involutional psychosis, several of whom had failed to respond to electric shock therapy, received metrazol. Of this number, 11, or 52.3 per cent, recovered sufficiently to leave the hospital.

We have continued to use electric shock therapy quite extensively in the treatment of affective psychoses and have found it particularly beneficial in those cases of manic-depressive psychosis where depression and anxiety are prominent symptoms, and in cases of involutional psychosis. We have also used electric shock therapy in the treatment of schizophrenia, but our results have not been as favorable as with insulin, and when remissions did occur it is our experience that they are not as complete and lasting as those obtained from insulin or metrazol.

During the year 249 patients with dementia præcox were treated with electric shock therapy, of which number 92, or 32.9 per cent, improved sufficiently to leave the hospital. Eighty-two manic-depressive patients received electric shock therapy. Sixty-eight, or 82.9 per cent, recovered sufficiently to return to their homes.

Of the 95 patients with involutional psychosis treated with electric shock therapy, 66, or 69.4 per cent, recovered to the extent that they were able to return home.

Personnel in the occupational therapy and physical training departments consists of one occupational therapist, eight instructors and two aides in occupational therapy, one instructor and one assistant instructor in physical training.

Craft classes were held in occupational therapy centers and on certain wards. There was a considerable amount of work done at the bed-

side and on the wards with infirm patients who were unable to go to the centers. The average number of patients in the occupational therapy and physical therapy classes during the year was 547.

During the winter months and in inclement weather the physical training department made use of the gymnasium alternately for men patients in the morning and women patients in the afternoon. When the weather permitted, outdoor classes were held on the playground, and daily walks were arranged for the patients. The bowling alleys were used by our patients four afternoons each week, two for male and two for female patients. There were several outdoor picnics and a considerable number of parties for patients in the assembly hall and on the wards. On alternate Saturdays throughout the year motion pictures were shown in the assembly hall for the benefit of all patients who were able to attend.

The twentieth annual field day was held on September 16, when 675 patients witnessed the program, of which number 70 participated in the events.

The Christmas season was celebrated in the usual manner. The wards were tastefully decorated, each ward being furnished with a tree. The Christmas entertainment was held in the assembly hall, which was filled to capacity. The Passover holidays were properly observed. Kosher meals were prepared by the Daughters of Jocheved in the Kosher kitchen in the basement of the reception building. A Seder service was held in the assembly hall, which was attended by all of the Jewish patients whose condition was such as to warrant their attendance. The meal was prepared by the Daughters of Jocheved who, with some of the relatives of patients and the employees of the hospital, served it.

The patients' library is being effectively used on Thursday and Friday afternoon. There is a large variety of books. Patients who are able to do so are permitted to come to the library and select the books which they read on the wards, outside of library hours.

PATHOLOGICAL AND LABORATORY WORK

During the year considerable equipment was purchased for the pathological laboratory, which has been reorganized throughout and is under the immediate supervision of a director of laboratories who is a diplomate of the American Board of Pathology.

A special training course was given to the laboratory staff by the director of the laboratory, which included instruction in bacteriology, para-

sitology and hematology. Later in the year the State Department of Health certified the laboratory as approved for both pathology and bacteriology. At the present time the laboratory staff is made up of a director of laboratories, one senior technician, three technicians, one stenographer and one morgue keeper.

There were 21,862 examinations of various types made in the laboratory. Autopsies were performed in 117 cases, or 12.4 per cent, of the deaths.

RESEARCH WORK

Considerable research work was carried on in neuropathology with special reference to schizophrenia, cerebral arteriosclerosis, and the circulatory disturbances of the central nervous system.

Research on shock therapy was continued. The results of insulin shock therapy at this hospital were summarized in a booklet issued by the Temporary Commission on State Hospital Problems, which created much interest throughout the country.

The director delivered a paper on the results with shock therapy at this hospital at the meeting of the American Hospital Association, held in Cleveland, Ohio, on October 5.

A study of the increased incidence of psychoses in aged persons was made by Doctors Beckenstein and Gold. This showed that there has been a marked increase in the number of patients with senile and arteriosclerotic psychoses admitted to State hospitals during the past 25 years. They also presented prognostic factors in these conditions. Their paper on the subject was read at a meeting of the New York Society for Clinical Psychiatry on February 8, and has been accepted for publication in the *PSYCHIATRIC QUARTERLY*.

Doctor Gedeon Eros, director of laboratories, is continuing research with respect to changes of the vascular pattern of the brain in cases of catatonic excitement. He gave a preliminary report of this work at a meeting of the New York Society for Clinical Psychiatry on February 8. He is also making extensive investigations in the field of cerebral arteriosclerosis.

The medical library is well supplied with books and periodicals relating to all fields of medicine. These are available to the medical staff and are freely used by them. New books are purchased from time to time so that the physicians may keep informed of the latest advances in medical and psychiatric procedures.

STAFF MEETINGS AND TEACHING ACTIVITIES

The assistant directors have continued to hold conferences on the various services regularly each week for the purpose of considering cases for diagnostic and convalescent status. At these times the cases are discussed with physicians on the services and in this way the new men are instructed in the various problems incidental to the care of the mentally ill. Patients having special problems are presented at staff meetings held on Tuesday morning for female patients and Friday morning for male patients. These meetings are attended by the medical officers, social workers and senior student nurses. Following the presentation of patients the cases are discussed at length.

During the past year the director of laboratories gave a course of instruction in neuroanatomy and neuropathology to the resident physicians. This consisted of a series of two hour sessions, half of which was devoted to lectures and the other half to the study of specimens, both gross and microscopic. Members of the staff are encouraged to take up the study of special problems. Individual members of the staff have written and presented several papers before scientific societies. The director and assistant directors have continued as members of the faculty of the Long Island College of Medicine and give lectures and clinical demonstrations to medical students from that college.

NURSING SERVICE

The faculty of the school of nursing consists of a principal, assistant principal, and three instructors. Supplementary teaching is carried on by the members of the medical staff, the supervisors, and the heads of the various departments. The course of study is arranged to meet the requirements of the State Department of Education, the training school committee of the Department of Mental Hygiene, the American Psychiatric Association and the United States Public Health Service (cadet nurse program). The school of nursing was approved for participation in the U. S. Cadet Nurse Corps program on November 1, 1943 and in line with wartime needs, students have been admitted for preclinical courses both in September and in March of each year.

An April 1, 1944, 131 students were enrolled, 21 men and 110 women. Of these, 26 were affiliating from general hospitals, while 28 of our students were affiliating either at Bellevue or Morrisania Hospitals, and 7 were in military service. On September 15, 1944, the census of the school was 132 students, 19 of whom were affiliates from general

hospitals. At the end of the fiscal year on March 31, 1945 the census of the school was 143, 39 of whom were affiliated from general hospitals, while 31 of our students were affiliating elsewhere.

During the year student nurses took a 3-month affiliation course at this hospital from Southampton Hospital, Prospect Heights Hospital, Amsterdam City Hospital, Wyoming County Community Hospital, Staten Island Hospital, Heaton Hospital, Vermont, and St. Catherine's Hospital, Brooklyn. Two senior cadet nurses came to us from Grace Hospital, Richmond, Virginia, for a 12-week affiliation course.

Graduating exercises were held June 10, 1944, at which time 43 students received their diplomas; three others were in military service at that time.

During the past year the faculty of the school of nursing has been increased by the appointment of Anne Flynn, R. N., B. S., as science instructor, and Lucille J. Zimmerman, R. N., B. S., as instructor in psychiatric nursing for affiliating students.

A new nursing arts laboratory is being equipped and will be ready for occupancy on September 1, 1945. A science laboratory is in process of construction and will be ready at the beginning of the next school year.

Each week throughout the year the graduate nurses were given a lecture and demonstration of one hour's duration by resident physicians on the staff. These lectures covered the latest nursing techniques and newer treatments in the various fields of medicine and psychiatry.

Several courses of lectures and demonstrations were given by the resident staff to attendants in order that they might be better equipped to care for the patients.

Florance R. Unwin, principal, was chairman of the Red Cross Recruitment Committee of the Brooklyn Chapter of the American Red Cross Nursing Service, also a member of the local Procurement and Assignment Committee for nurses of the Long Island War Council.

During the year the nursing staff attended the various community functions for nurses.

AFTERCARE WORK

Patients who leave the hospital are usually placed on convalescent status for one year during which time they are required to report to the clinics periodically or, if this cannot be arranged, they are visited in their homes by our social workers.

To meet the needs of the great number of patients on convalescent status, we have three clinics, two of which are held at the hospital on

Thursday afternoon and Saturday morning. The third is held at the Polhemus Clinic of the Long Island College Hospital on Friday afternoon.

Due to the fact that the availability of suitable homes for patients for family care is limited in New York City, we have placed only two on such status. However, when we find patients who are suitable for family care we endeavor to arrange to transfer them to another hospital in an area where family care homes are readily available.

OUTPATIENT CLINICS AND SOCIAL SERVICE

Besides the three clinics for convalescent patients, physicians on the staff lend their services to the community by conducting mental hygiene clinics at the Brooklyn Hospital, the Israel Zion Hospital, the Brooklyn Child Guidance Center, and the Child Guidance Center of the Brooklyn Hospital. During the year 1,195 patients were treated at these clinics. Patients are referred to these clinics by various social agencies, schools, and physicians in general practice.

The staff of the social service department is made up of one supervisor of social service, one senior social worker, eight social workers, and eight apprentice social workers. Several changes have occurred in the staff during the past year, as a number of the older workers left to take more remunerative positions. This has necessitated our taking in a considerable number of apprentice workers, all of whom have proved satisfactory.

Work in the social service department increased throughout the year. There were approximately 10,500 interviews conducted, and 8,000 home visits made. Numerous investigations were made regarding the disposal of patients' property, court cases, employment of patients, and the death and interment of patients. Social workers are able to handle matters of this kind efficiently as they have contact with all of the other social agencies in the borough, with whom our department has always worked in harmony. The use of community agencies diminished somewhat because of their depleted personnel and the increased pressure on them incidental to the present national emergency.

Members of the department have continued throughout the year to serve on various committees of both local and metropolitan groups. More of our patients on convalescent status were employed than ever before and many are giving satisfactory service in war industries. The United

States Employment Service was most cooperative in helping us to place patients.

The department continues to make investigations for other state hospitals whenever requested. In our clinics at the beginning of the year we carried 32 convalescent patients from other state hospitals; at the end of the year the number was 14.

During the year, 150 clinics were held by the hospital for our patients on convalescent care, to which 4,722 reported in person and 2,057 by letter. The increase in the number of those reporting in person was due to the fact that we have allowed some of our working patients to report on their day off duty in order that it would not interfere with their employment and, therefore, would not reduce their earnings.

Lectures were given to senior and affiliating nurses. Members of the department conducted several college groups through the hospital.

One of the social workers was permitted to take advantage of the State plan for training and has been attending a course at the New York School of Social Work where she plans to complete the requirements for a degree in social work. This training will unquestionably result in the worker's being better fitted to handle her duties at the hospital when she returns following the completion of her course.

Several of the social workers have continued to serve in connection with the various Selective Service boards.

Due to the present national emergency many changes have occurred among the employees during the period covered by this report.

PERSONNEL WORK

Thirteen resident staff physicians left, a majority of whom entered the military service. The senior dentist and the dentist both entered military service. Nine members of the office force left and were replaced by eight new employees. During the year 386 ward employees left service and 331 were appointed. There were many changes among employees in the outside departments, many of whom entered the armed forces. However, we were able to fill all of the vacancies on the medical and dental staff, so that at the close of the year we had no vacancies for physicians or dentists. There were 42 vacancies on the ward service at the end of the year, which is a greater number than we had at any period during the fiscal year.

On March 31, 368 employees resided at the institution and 588 resided away from the hospital.

At the close of the year there were 198 men and 16 women, a total of 214 officers and employees in the military service.

The general attitude of the employees has continued to be one of friendliness and cooperation toward the management and I am happy to report that at no time during the period covered by this report have we had any "labor troubles."

BED CAPACITY AND PLANT MAINTENANCE

The certified capacity continues to be 2,603—1,299 male and 1,304 female. During the year the average daily resident patient population was 3,255—1,629 men and 1,626 women. This represents an average overcrowding of 625, or 25 per cent.

The building of new structures at the hospital was prevented to a considerable extent owing to the fact that most building materials required priorities, and skilled labor could not be secured.

A room in the basement of the west wing of the reception building has been renovated, redecorated and equipped with a demonstration table and a science table which will accommodate 24 student nurses. This will provide an excellent laboratory for teaching sciences to students in the school of nursing.

The five-family staff house was completed and occupied in April, 1944.

The sewing room in the basement of the West Building was transferred to the third floor of the shop building, which was added for that purpose some years ago by the W.P.A. This space in the West Building has been renovated, redecorated and equipped to make a most attractive laboratory for teaching the nursing arts.

All of the kitchens, sculleries and coolers throughout the hospital were renovated and repainted during the month of March, 1945.

The needs of the hospital have been included in the budget requests, foremost among which is included a new reception building to replace the one we now have, which is old and poorly constructed. It accommodates only 360 patients and is entirely inadequate for the needs of the hospital, to which approximately 3,000 patients are admitted annually. This new building should accommodate at least 1,000 patients and should provide space for the treatment of patients suffering from exhaustion, for the administration of all types of shock therapy, and for the school of nursing.

During the present national emergency many of our employees have lived outside of the hospital, but with the return of peace it is highly

probable that more employees will wish to reside in the institution, as many who heretofore lived outside are returning. If we are to have a new reception building, we must have a new home for employees to accommodate at least 100 men, 100 women and 50 married couples. This would release the two floors in the nurses' home now occupied by married employees, thereby relieving the present overcrowded condition of the quarters for student and graduate nurses.

Additional land is needed along Utica Avenue from Clarkson Avenue to Winthrop Street; this would provide for the improvement of the property immediately to the east of the hospital grounds and would also furnish a building site at the corner of Utica Avenue and Winthrop Street for the erection of an employees' home.

About 16 acres of land immediately to the north of Winthrop Street should be purchased for the use of the hospital. It is understood that over \$200,000 was appropriated by the last Legislature for the purchase of this land and that negotiations for its purchase are now under way.

A new warehouse for maintenance and stores is needed. The building should consist of three stories and basement and should be constructed on the plot of land to the south of the bakery building.

The basement of the vegetable preparation room should be remodeled to furnish refrigeration space for the storage of vegetables.

New refrigeration units are needed for the bakery and the mortuary.

The hospital is overcrowded at all times and the bed capacity is not sufficient to accommodate the many patients requiring care and treatment here. Therefore it is recommended that a multi-storied building to accommodate 3,000 patients be erected on the plot of land which the State contemplates purchasing to the north of Winthrop Street. This building should be of fireproof construction and should provide facilities for the medical care and treatment of many sick and infirm patients.

For the expansion of the hospital additional staff residences are needed, including a house for the senior business officer, a seven-room dwelling for one assistant director, and five six-room dwellings for supervising psychiatrists.

Employee homes, Buildings 6, 7 and 9, have only three stories. The construction of an additional story on each of these buildings would provide accommodations for 152 more employees.

The present generator number 1, of 800 amperes, and numbers 2 and 3, of 1,400 amperes have been in use for many years and should be replaced by new generators.

At least one additional boiler of 400 or 500 h.p. should be added to the boilers now in the power plant.

Pursuant to the recommendation of the Department of Public Works, the director calls attention to the need of constructing stairs and passageways over the boilers and across the top of the pump room; smoke indicators for the boiler, an automatic stack damper, and automatic combustion control apparatus are also needed.

The laundry is as yet not equipped with laundry chutes. These are much needed to facilitate the transfer of clothing from one floor to another.

Much of our laundry equipment has been in use for many years and some of it is badly worn. We need to replace three washers, three dry tumblers and three extractors; three additional presses (in battery) are needed for our ironing room.

Because of wartime conditions it has been impossible to replace some of our equipment. The window shades in Building 10, numbering approximately 1,800, have been in use for about 10 years. Many of them are torn, they are all soiled, and should be replaced at approximately \$1.20 per window.

The exterior and interior of Building 10, the exterior trim of Buildings 6, 7, 8, 9 and 29; the East, West and Reception Buildings are much in need of repainting.

The roof and skylight on the power house are in bad condition. This building was erected in 1918. The windows in the skylight need to be replaced, and the roof and gutters require extensive repairs.

Twenty additional refrigerators are needed for our wards to replace ice boxes which have been in use for many years.

The hospital is in need of additional office desks, chairs and furniture in the amount of \$2,500. Much of the ward furniture has been in use for many years; it has been repaired frequently until the frames are so worn and dry that it is scarcely possible to repair them. We need at least \$15,000 to replace this furniture.

FIRE PROTECTION

The fireproof construction of all the hospital buildings is the first line of defense against fire. Added to this, the buildings are equipped with suitable fire-fighting facilities which are inspected regularly and kept in working condition at all times. The Ganewell type of fire-alarm system is used and this is supplemented by a fire-alarm box situated in the

telephone office of the administration building. In the event of a fire of any magnitude the New York City Fire Department is promptly called and has always responded without delay. Representatives of the City Fire Department make routine inspections of buildings and fire-fighting equipment throughout the institution and are thoroughly conversant with the general plan of the hospital and its fire-fighting facilities. The hospital has a fire house with hose cart, ladders and a booster pump; the latter was loaned to us through the courtesy of the U. S. Government.

Once a week throughout the year the chief institution patrolman supervises the holding of fire drills in each building of the institution and keeps a record of these in a special book. During the year we have been fortunate in that we have had no fires of any consequence.

RELIGIOUS SERVICES

Provisions are made for regular religious services for Catholic, Protestant and Jewish patients. A priest of the Roman Catholic faith comes daily to administer to Catholic patients. In addition mass is said in the assembly hall where religious services are held each Sunday morning and every holy day throughout the year. Jewish services are held Saturday afternoon and Protestant services are conducted on Sunday afternoon by representatives of the various Protestant faiths, in rotation.

Special arrangements are made at Easter time to enable Jewish patients to observe the Passover holidays. A Seder service is held in the assembly hall, which is attended by all of the Jewish patients who are able to go to the hall.

OTHER ITEMS OF INTEREST

Doctor Frederick MacCurdy, Commissioner of Mental Hygiene, visited the hospital October 7, 1944. The hospital was also visited and inspected by Doctors Milton M. Grover, Claude R. Young, Bascom B. Young, acting medical inspectors, and James E. Simpton, supervisor of physical training.

Mrs. Laura W. Fitzsimmons, R. N., nursing consultant, American Psychiatric Association, visited the hospital August 22 and made a survey of the school nursing.

Charles Wagg, executive secretary, State Hospital Commission of the State of Michigan, visited the hospital September 19.

Mrs. Walter Weis and Mrs. Burton J. Berry, members of the Committee of Visitors appointed by the State Charities Aid Association, made an inspection of the hospital October 21.

Mary E. Brackett, supervisor of nursing education, visited the hospital October 3.

During the early part of November the hospital was inspected by representatives of the Department of Health of the City of New York.

Doctor David W. Park, field representative, American College of Surgeons, made a visit to, and inspection of, the hospital January 4.

The hospital has been approved for residencies in psychiatry by the Council on Medical Education and Hospitals of the American Medical Association, the American Board of Psychiatry and Neurology, and the American College of Surgeons.

After receiving some additional equipment, our laboratory was approved by the New York State Department of Health for both pathology and bacteriology.

The Temporary Commission on State Hospital Problems, of which Colonel Homer Folks was chairman, published during the month of August the report of their survey of the first 1,128 cases of dementia præcox treated with insulin shock therapy at this hospital between January 1, 1937 and June 30, 1942. The commission compared the results obtained in this group of cases at Brooklyn with a similar group in other State hospitals where shock therapy was not employed. As a result of their study the commission came to the conclusion that the results were better in the group of cases where insulin was used and that its use had effected a material saving to the taxpayers of the State of New York.

I wish to express my appreciation to all those who throughout the year donated reading material to patients and who have in any way contributed to the welfare of the hospital.

I desire to thank the Daughters of Jocheved who on several occasions during the year served ice cream and other delicacies to the entire patient population and who came to the hospital and prepared and served Kosher meals to our Jewish patients during the feast of the Passover. I am also deeply grateful to all those who contributed so generously to the Christmas fund for friendless patients.

In closing this report I wish to express my thanks to Doctor Frederick MacCurdy, Commissioner of Mental Hygiene, for his cooperation. I am desirous of expressing my appreciation to members of the Board of

Visitors for their unwavering support and cooperation throughout the year.

I am especially grateful to the officers and employees of the hospital who, notwithstanding the many handicaps which developed incidental to the great national emergency, remained at their posts and rendered such efficient service that we were not obliged to curtail any of the activities of the hospital, but on the other hand we were able to extend its extramural clinic facilities to some extent.

Respectfully submitted,

CLARENCE H. BELLINGER, M. D.,

Director

REPORT OF THE SENIOR BUSINESS OFFICER

Notwithstanding war restrictions and limitations on practically everything used in the hospital during the fiscal year ended March 31, 1945, we have been able to provide an adequate dietary and to meet our needs for clothing, bedding and household articles. However, this was done only by practically exhausting our inventory. As soon as materials become available in sufficient quantities it will be necessary to make extensive purchases of materials for clothing, household linen, bedding, furniture and furnishings. On account of the shortage of bed linen, toweling, and the like, that which was in use had to be laundered more frequently, with consequent heavy wear.

Prices were higher than during the preceding year. The war emergency percentage increases of salaries and wages raised our total disbursements under this heading. The average net patient population was 3,297.

The total annual per capita cost based on expenditures was \$641.07, \$12.31 per week or \$1.759 per day, an average of \$27.18 over 1943-44. Under personal service the per capita cost was \$402.72, an increase of \$22.30 over the previous year. Maintenance and operation was \$237.50 against \$232.47 the year before, an increase of \$4.88. Some of these increases were: food \$2.78, clothing \$1.07, household, laundry, etc., \$3.50, repairs \$1.34, painting \$1.46. Fuel, light and power shows a decrease of \$4.22. Several of the other estimates show a decrease of less than one dollar each.

During the year we received from the War Food Administration varying quantities of evaporated milk, eggs, apples, potatoes and other fruits and vegetables to the total value of \$68,208.39, and farm produce valued at \$4,706.54 from other institutions in the department.

The accompanying financial statements record in detail the activities of the business office.

Respectfully submitted,

JOHN R. HEILMAN,
Senior Business Officer

GENERAL STATEMENT

April 1, 1944 to March 31, 1945

Date of opening as a State hospital or institution	1895
Total acreage of institution property, including farm, grounds and buildings	28
Acreage under cultivation, owned .....	....
Acreage under cultivation, rented .....	....
Value of farm and garden products, calendar year ended Dec. 31, 1944 .....	....
Profit from operation of farm and garden, calendar year ended Dec. 31, 1944 .....	....
Value of real estate, including land and buildings	\$6,465,678 35
Increase during fiscal year	24,353 24
Value of personal property	703,473 56
Increase during fiscal year	572 06

Expenditures:

For personal service and maintenance and operation	2,113,576 49
For new construction and permanent betterments	3,110 25
Per capita cost of personal service and maintenance and operation	641 07
Estimated value of articles made or manufactured by patients during fiscal year	49,550 00

Average purchase price and annual per capita cost of staple articles of consumption: Net daily patient population, 3,297

	Average purchase price	Annual per capita cost
Fresh meats, per pound	\$.22852	\$25.79
Poultry, per pound .....	.3713	3.53
Wheat flour, per sack	3.26	5.32
Butter, per pound .....	.448	4.37
Cheese, per pound .....	.352	1.43
Eggs, per dozen .....	.447	11.78
Tea, per pound .....	.43	.68
Coffee, per pound .....	.175	2.80
Sugar, per hundredweight .....	.055	2.16
Milk (fresh), per gallon .....	.41064	24.43
Milk (condensed), per gallon	1.1852	.62
Fuel oil, per gallon .....	.049	32.56

FINANCIAL STATEMENT

April 1, 1944 to March 31, 1945

RECEIPTS

Appropriations:

Personal service and maintenance and operation \$2,187,880 00

From miscellaneous receipts:

Reimbursing patients	\$285,928 57
Steward's sales	366 43
Legal receipts	2,100 00
Refunds	163 43
Miscellaneous	97
Miscellaneous T	988 36
	<hr/>
	289,547 76

Total \$2,477,427 76

From State Treasury:

Special fund appropriations 3,110 25

Grand total \$2,480,538 01

DISBURSEMENTS

Personal Service

Part I \$1,322,564 08

Part II

Special services 8,191 61

Temporary services 255 00

\$1,331,010 69

DISBURSEMENTS

Maintenance and operation:

02. Traveling expense	\$3,529 44
03. Automotive expense	2,821 54
04. General expense	6,806 95
05. Printing and advertising	172 67
06. Communication	7,134 66
07. Fuel, light, power and water	118,134 12
08. Food	463,036 33
09. Clothing and clothing materials	33,651 82
10. Household, laundry and refrigerating supplies and expense	71,152 70
11. Medical, surgical and laboratory supplies and expense	34,983 07

12. Farm and garden	889 42	
14. Special supplies and expense	6,268 48	
15. Repairs	27,097 53	
20. Equipment—replacements	1,086 50	
21. Equipment—additional	1,006 56	
26. Maintenance undistributed:		
Painting	4,794 01	
	<hr/>	782,565 80
Unexpended balance:		
To be used under Chapter 95 in 1945-46	74,303 51	
Miscellaneous receipts, remitted to State Treasury	289,547 76	
	<hr/>	363,851 27
Special fund payments:		
Completion of WPA Project—Five family staff house—Chap. 100 L. 1941 III re. 181 L. 1943V..		3,110 25
		<hr/>
Grand total		\$2,480,538 01

COMPARATIVE STATEMENTS

	1944 Expenditures	1944 Per capita	1945 Expenditures	1945 Per capita
Personal service				
Part I	\$1,260,977 72	\$379 47	\$1,322,564 08	\$401 14
Part II—Special services	6,208 00	1 87	.....	.....
Medical .....	.....	.....	5,480 32	1 67
Religious .....	.....	.....	1,164 00	35
Chaplain .....	.....	.....	1,339 92	41
Overtime .....	.....	.....	117 37	04
All others .....	.....	.....	90 00	03
Temporary	272 05	08	255 00	08
Total personal service	\$1,267,457 77	\$381 42	\$1,331,010 69	\$403 72

COMPARATIVE STATEMENTS OF TOTAL AND PER CAPITA EXPENDITURES AND COST
FOR FISCAL YEARS ENDED MARCH 31, 1944 AND MARCH 31, 1945

	1944 Expenditures	1944 Per capita	1945 Expenditures	1945 Per capita
Maintenance and operation:				
Traveling expense	\$4,272 97	\$1 29	\$3,529 44	\$1 07
Automotive expense	2,894 48	87	2,821 54	86
General expense	5,507 40	1 66	6,806 95	2 07
Printing and advertising ..	206 25	06	172 67	05
Communication	7,272 48	2 19	7,134 66	2 17
Fuel, light, power and water	133,085 78	40 05	118,134 12	35 83
Food	457,461 44	137 66	463,036 33	140 44
Clothing and clothing ma- terials	30,385 56	9 14	33,651 82	10 21

	1944 Expenditures	1944 Per capita	1945 Expenditures	1945 Per capita
Household, laundry, etc. . . .	60,064 70	18 08	71,152 70	21 58
Medical, surgical and laboratory	34,166 51	10 28	34,983 07	10 61
Farm and garden	983 12	29	889 42	27
Special supplies and expense	6,633 98	2 00	6,268 48	1 90
Repairs	22,777 83	6 85	27,097 53	8 19
Equipment—replacement	2,980 74	90	1,086 50	33
Equipment—additional . . . . .	.....	....	1,006 56	31
Maintenance undistributed:				
Replacement of window guards and repairs to plumbing	2,811 00	85	.....	....
Repairs to condenser coils	1,003 90	30	.....	....
Painting . . . . .	.....	....	4,794 01	1 46
Total maintenance and operation	\$772,508 14	\$232 47	\$782,565 80	\$237 35
Total personal service	1,267,457 77	381 42	1,331,010 69	403 72
Grand total	\$2,039,965 91	\$613 89	\$2,113,576 49	\$641 07
Cost, based on consumption.	1,976,453 92	594 78	2,125,628 81	644 72

EXPENDITURES FOR THE FISCAL YEAR ENDED MARCH 31, 1945

Est.	Appropriation	Expenditures	Balance
01. Personal service			
Part I	\$1,344,900 00	\$1,322,564 08	
II		8,191 61	
II Temporary		255 00	
			13,889 31
02. Traveling expenses	3,550 00	3,529 44	20 56
03. Automotive expenses	2,850 00	2,821 54	28 46
04. General expense	7,000 00	6,806 95	193 05
05. Printing and advertising	175 00	172 67	2 33
06. Communication	7,135 00	7,134 66	34
07. Fuel, etc.	141,053 00	118,134 12	22,918 88
08. Food	485,540 00	463,036 33	22,503 67
09. Clothing	34,970 00	33,651 82	1,318 18
10. Household	72,115 00	71,152 70	962 30
11. Medical	39,405 00	34,983 07	4,421 93
12. Farm and garden	900 00	889 42	10 58
14. Special supplies and expense	6,605 00	6,268 48	336 52
15. Repairs	27,350 00	27,097 53	252 47
20. Equipment—replacements	3,735 00	1,086 50	2,648 50
21. Equipment—additional	2,597 00	1,006 56	1,590 44

26. Maintenance undistributed

Painting (interior)	5,000 00	4,794 01	205 99
Window guards replacement..	3,000 00	.....	3,000 00
	<hr/>	<hr/>	<hr/>
	\$2,187,880 00	\$2,113,576 49	*\$74,303 51
Per capita cost	\$641.07	Patient population	3,297
Special fund payments:			
Completion of WPA Project—Five family staff house			
Chap. 100 L. 1941 III re. 181 L. 1943 V			\$3,110 25
*Balance of \$74,303.51 available under Chapter 95, L. 1944 until November 15, 1945.			

GENERAL STATISTICS OF PATIENT POPULATION FOR THE FISCAL YEAR ENDED
MARCH 31, 1945

	Males	Females	Total
Total on books at beginning of fiscal year	2,141	2,314	4,455
In hospital	1,630	1,629	3,259
In family care	3	0	3
In convalescent care	508	685	1,193
On elopement	0	0	0
Admitted during year:			
First admissions	845	1,071	1,916
Readmissions	245	307	552
Transfers from other institutions for the insane ...	12	24	36
	<hr/>	<hr/>	<hr/>
Total admitted during year	1,102	1,402	2,504
Discharged during year:			
As recovered	183	241	424
As much improved*	162	233	395
As improved*	218	220	438
As unimproved*	15	5	20
As without psychosis	0	0	0
Discharged by elopement	3	0	3
Deaths in institution	452	490	942
Deaths of patients while in convalescent care	6	16	22
Transferred to other institutions for the insane	125	197	322
	<hr/>	<hr/>	<hr/>
Total removed from books during year	1,164	1,402	2,566
Total on books at end of fiscal year	2,079	2,314	4,393
In hospital	1,661	1,636	3,297
In family care	2	0	2
In convalescent care	410	677	1,087
On elopement	6	1	7
Daily average population on books	2,077	2,323	4,400
Daily average population, excluding patients in family care, in convalescent care, and on elopement	1,629	1,626	3,255
Rated capacity of the institution	1,299	1,304	2,603

Voluntary cases admitted during year:			
First admissions	12	30	42
Readmissions	12	28	40
Voluntary cases certified	1	0	1
Voluntary patients on books at close of year	4	13	17
Emergency cases admitted during year:			
On petition and certificate of lunacy	6	17	23
On request of health officer	0	0	0
Physician's certificate cases admitted during year	439	243	682
Physician's certificate cases certified during year	24	21	45
Admissions on criminal order during year	8	0	8
Ex-service patients admitted during year: Spanish-American War, 0; World War I, 36; World War II, 49, total			
	85	0	85
All ex-service patients on books at end of year—in hospital, 59; in convalescent care, 34; on elopement, 0; total			
	93	0	93
Placed in family care during year	0	0	0
Returned from family care during year	0	0	0
Average number in family care during year	2	0	2
Placed in convalescent care during year	529	846	1,375
Returned from convalescent care during year	181	241	422
Average number in convalescent care during year	440	697	1,137
Eloped during year	40	3	43
Returned from elopement during year	29	2	31
Average number on elopement during year	6	0	6
Support of patient population (excluding patients in convalescent care and on elopement) at end of year:			
Supported by the State	1,235	910	2,145
Reimbursing and private patients	844	1,404	2,248
Ex-service patients for whom pay is being received from Federal Government	0	0	0

*Exclusive of transfers.

MENTAL DISORDERS OF FIRST ADMISSIONS, FISCAL YEAR ENDED MARCH 31, 1945

Mental disorders	Males	Females	Total
General paresis	36	10	46
With other forms of syphilis of the central nervous system	5	10	15
With epidemic encephalitis	2	4	6
With other infectious diseases	0	0	0
Alcoholic	42	10	52
Due to drugs and other exogenous poisons	2	0	2
Traumatic	9	0	9
With cerebral arteriosclerosis	266	287	553
With other disturbances of circulation	3	1	4
With convulsive disorders	9	13	22

Mental disorders	Males	Females	Total
Senile	181	197	378
Involucional	40	140	180
Due to other metabolic, etc., diseases	1	0	1
Due to new growth	5	5	10
With organic changes of the nervous system	3	8	11
Psychoneurosis	8	9	17
Manic-depressive	22	88	110
Dementia præcox	194	267	461
Paranoia	1	0	1
With psychopathic personality	3	7	10
With mental deficiency	13	15	28
Undiagnosed	0	0	0
Without psychosis	0	0	0
Primary behavior disorders	0	0	0
Total	845	1,071	1,916

MENTAL DISORDERS OF READMISSIONS, FISCAL YEAR ENDED MARCH 31, 1945

Mental disorders	Males	Females	Total
General paresis	8	4	12
With other forms of syphilis of the central nervous system	3	1	4
With epidemic encephalitis	1	4	5
With other infectious diseases	0	0	0
Alcoholic	9	5	14
Due to drugs and other exogenous poisons	0	0	0
Traumatic	1	0	1
With cerebral arteriosclerosis	21	18	39
With other disturbances of circulation	0	0	0
With convulsive disorders	9	6	15
Senile	4	9	13
Involucional	12	32	44
Due to other metabolic diseases	0	0	0
Due to new growth	0	0	0
With organic changes of the nervous system	0	0	0
Psychoneurosis	5	5	10
Manic-depressive	24	63	87
Dementia præcox	137	153	290
Paranoia	2	0	2
With psychopathic personality	3	3	6
With mental deficiency	6	4	10
Undiagnosed	0	0	0
Without psychosis	0	0	0
Primary behavior disorders	0	0	0
Total	245	307	552

AGES OF FIRST ADMISSIONS, FISCAL YEAR ENDED MARCH 31, 1945

Age (years)	Males	Females	Total
Under 21	57	60	117
21-30	85	143	228
31-40	92	147	239
41-50	83	144	227
51-60	108	146	254
61-70	150	153	303
71-80	191	187	378
81-90	70	85	155
91-100	9	6	15
Total	845	1,071	1,916

AGES OF DECEASED PATIENTS, FISCAL YEAR ENDED MARCH 31, 1945

Age (years)	Males	Females	Total
Under 21	0	1	1
21-30	3	8	11
31-40	5	9	14
41-50	25	23	48
51-60	57	52	109
61-70	121	113	234
71-80	165	175	340
81-90	66	101	167
91-100	10	8	18
Total	452	490	942

PATIENTS DISCHARGED, CLASSIFIED ACCORDING TO MENTAL DISORDER, YEAR ENDED MARCH 31, 1945

Mental disorders	Recovered		Much improved		Improved		Unimproved	
	M.	F.	M.	F.	M.	F.	M.	F.
General paresis	0	0	13	4	12	3	0	0
Other forms of syphilis	0	0	1	2	5	2	0	0
Epidemic encephalitis	0	1	0	1	2	2	0	0
Other infectious diseases ...	0	0	0	0	0	1	0	0
Alcoholic	31	6	2	1	15	2	0	0
Drugs	0	1	0	0	0	0	0	0
Traumatic	0	0	1	1	1	0	0	0
Cerebral arteriosclerosis	1	7	15	22	39	22	3	3
Disturbances of circulation..	0	0	0	0	0	0	0	0
Convulsive disorders	1	5	5	2	5	6	0	0
Senile	0	0	0	0	10	7	3	0
Involutional	17	35	12	32	11	24	0	0
Other metabolic	1	1	0	0	0	0	0	0
New growth	0	0	0	0	1	1	0	0

	Recovered		Much improved		Improved		Unimproved	
Organic changes	0	0	0	1	2	3	0	0
Psychoneurosis	1	0	4	5	2	6	1	0
Manic-depressive	28	71	10	41	11	17	0	1
Dementia præcox	99	111	97	120	92	106	8	1
Paranoia	0	0	0	0	1	0	0	0
With psychopathic personality	3	1	0	0	3	4	0	0
Mental deficiency	1	2	2	1	66	5	0	0
Undiagnosed	0	0	0	0	0	0	0	0
Primary behavior disorder..	0	0	0	0	0	0	0	0
Total	183	241	162	233	218	220	15	5

PATIENTS DECEASED, CLASSIFIED ACCORDING TO MENTAL DISORDERS, FISCAL YEAR
ENDED MARCH 31, 1945

Mental disorders	Males	Females	Total
General paresis	37	8	45
With other forms of syphilis of central nervous system.	8	5	13
With epidemic encephalitis	2	0	2
With other infectious diseases	0	0	0
Alcoholic	2	1	3
Due to drugs and other exogenous poisons	0	0	0
Traumatic	3	0	3
With cerebral arteriosclerosis	212	222	434
With other disturbances of circulation	1	3	4
With convulsive disorders	2	3	5
Senile	153	195	348
Involutional	10	20	30
Due to other metabolic diseases	0	0	0
Due to new growth	6	5	11
With organic changes of nervous system	4	0	4
Psychoneurosis	0	0	0
Manic-depressive	0	10	10
Dementia præcox	11	16	27
Paranoia	0	0	0
With psychopathic personality	0	0	0
Mental deficiency	1	2	3
Undiagnosed	0	0	0
Total	452	490	942

PATIENTS DECEASED, CLASSIFIED ACCORDING TO CAUSE OF DEATH, FISCAL YEAR
ENDED MARCH 31, 1945

Cause of death	Males	Females	Total
Pulmonary tuberculosis	2	0	2
General paresis	11	6	17
Cancer (all forms)	18	17	35
Brain tumor	4	3	7
Cerebral hemorrhage	15	17	32
Diseases of the heart	328	372	700
Diseases of the coronary artery	18	9	27
Bronchopneumonia	29	18	47
Lobar pneumonia	2	2	4
Other	25	46	71
Total	452	490	942

CENSUS OF PATIENTS OF BROOKLYN STATE HOSPITAL FOR THE FISCAL YEAR ENDED
MARCH 31, 1945

Cause of death	In hospital			In family care			In conv. care and on elopement*			Total		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Mental disorders												
General paresis	116	27	143	0	0	0	18	9	27	134	36	170
With other syphilis of central nervous system	27	18	45	0	0	0	1	6	7	28	24	52
With epidemic encephalitis..	19	3	22	0	0	0	0	5	5	19	8	27
With other infectious diseases	0	1	1	0	0	0	0	0	0	0	1	1
Alcoholic	50	15	65	0	0	0	10	4	14	60	19	79
Due to drugs and other exogenous poisons	1	0	1	0	0	0	2	0	2	3	0	3
Traumatic	13	1	14	0	0	0	3	0	3	16	1	17
With cerebral arteriosclerosis	393	323	716	0	0	0	39	56	95	432	379	811
With other disturbances of circulation	3	4	7	0	0	0	0	0	0	3	4	7
With convulsive disorders ..	29	19	48	0	0	0	13	11	24	42	30	72
Senile	169	256	425	0	0	0	1	5	6	170	261	431
Involutional	71	143	214	0	0	0	31	124	155	102	267	369
Due to other metabolic, etc., diseases	4	1	5	0	0	0	0	0	0	4	1	5
Due to new growth	6	3	9	0	0	0	0	0	0	6	3	9
With organic changes of nervous system	14	17	31	0	0	0	1	1	2	15	18	33
Manic-depressive	44	106	150	0	0	0	46	131	177	90	237	327
Dementia præcox	643	643	1286	2	0	2	232	310	542	877	953	1830
Paranoia and paranoid conditions	4	2	6	0	0	0	2	0	2	6	2	8
With psychopathic personality	10	10	20	0	0	0	5	3	8	15	13	28
With mental deficiency	37	35	72	0	0	0	8	6	14	45	41	86
Psychoneuroses	8	9	17	0	0	0	4	7	11	12	16	28
Undiagnosed	0	0	0	0	0	0	0	0	0	0	0	0
Without psychosis	0	0	0	0	0	0	0	0	0	0	0	0
Primary behavior disorders..	0	0	0	0	0	0	0	0	0	0	0	0
Total	1661	1636	3297	2	0	2	416	678	1094	2079	2314	4393

*Includes 7 on elopement.

RESIDENCE BY COUNTIES OF PATIENTS ADMITTED, FISCAL YEAR ENDED
MARCH 31, 1945

Counties	First admissions			Readmissions		
	Males	Females	Total	Males	Females	Total
Kings	715	953	1,668	212	256	468
Queens	81	49	130	14	17	31
Westchester	1	1	2	0	0	0
Bronx	6	19	25	7	8	15
Richmond	3	10	13	0	5	5
Sullivan	1	1	2	0	0	0
New York	29	32	61	4	16	20
Connecticut	1	0	1	0	0	0
Canada	1	0	1	0	0	0
Nassau	1	1	2	2	1	3
New Jersey	2	1	3	2	0	2
Maryland	1	0	1	0	0	0
Dutchess	0	0	0	0	1	1
Orange	0	0	0	0	1	1
Florida	0	0	0	0	1	1
Pennsylvania	0	1	1	0	0	0
Ohio	0	1	1	0	0	0
Massachusetts	0	0	0	2	0	2
Unascertained	3	2	5	2	1	3
Total	845	1,071	1,916	245	307	552

MOVEMENT OF OFFICERS AND EMPLOYEES IN BROOKLYN STATE HOSPITAL,
FISCAL YEAR APRIL 1, 1944 TO MARCH 31, 1945

Service and positions	Quota	In service at end of month	Appoint- ments	Left service	Vacancies at end of month Number
Medical Officers					
Director	1	1	0	0	0
Assistant director	3	2	0	0	1
Senior physician	9	9	0	0	0
Physician	7	7	5	2	0
Resident physician	11	11	10	11	0
Physician—Internal medicine ...	1	1	0	0	0
Total	32	31	15	13	1
Dentistry					
Associate dentist	1	1	0	0	0
Dentist	1	1	0	1	0
Dental hygienist	2	2	0	0	0
Total	4	4	0	1	0

Service and positions	Quota	In service at end of month	Appoint- ments	Left service	Vacancies at end of month Number
Pharmacy					
Pharmacist	1	1	0	0	0
Junior pharmacist	1	1	0	0	0
Total	2	2	0	0	0
Office Employees					
Principal stenographer	1	1	0	0	0
Senior stenographer	4	3	2	0	1
Stenographer	16	16	5	8	0
Senior typist	1	1	0	0	0
Typist	1	1	0	0	0
Senior clerk	1	1	0	0	0
Clerk	6	6	1	1	0
Telephone operator	3	3	0	0	0
Total	33	32	8	9	1
Pathology and Laboratory					
Director of clinical laboratory ..	1	1	0	0	0
Senior medical technician	1	1	0	0	0
Medical technician	2	2	0	0	0
Laboratory worker	1	1	0	0	0
Total	5	5	0	0	0
Physical Therapy—X-ray					
Photography					
Physical therapy technician	2	2	2	0	0
X-ray technician	1	1	0	0	0
Total	3	3	2	0	0
Ward Service					
Chief supervising nurse	1	1	0	0	0
Supervising nurse	10	10	0	0	0
Head nurse	58	57	6	5	1
Staff nurse	60	40	6	23	20
Staff attendant	29	28	1	4	1
Attendant	423	410	310	341	13
Barber	5	4	1	1	1
Beautician	2	2	0	0	0
Laborer	17	11	7	11	6
Total	605	563	331	385	42

Service and positions	Quota	In service at end of month	Appoint- ments	Left service	Vacancies at end of month Number
Nurses' Training School					
Principal	1	1	0	0	0
Assistant principal	1	1	0	0	0
Instructor of nursing	3	3	3	0	0
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total	5	5	3	0	0
Social Service and Psychology					
Supervisor of social work	1	1	0	0	0
Senior social worker	1	1	0	0	0
Social worker	8	7	6	5	1
Social worker, apprentice	8	8	6	7	0
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Total	18	17	12	12	1
Occupational Therapy					
Senior occupational therapist	1	1	1	0	0
Occupational therapist	1	0	0	0	1
Occupational therapy aide	2	2	1	1	0
Occupational instructor	8	6	0	1	2
Recreation instructor	1	1	0	1	0
Assistant recreation instructor ..	4	1	0	0	3
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Total	17	11	2	3	6
Business Administration					
Senior business officer	1	1	0	0	0
Principal account clerk	1	1	0	0	0
Senior account clerk	4	3	0	1	1
Account clerk	3	3	1	0	0
Clerk	4	4	3	3	0
Senior stenographer	1	1	0	0	0
Stenographer	2	2	0	0	0
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total	16	15	4	4	1
Stores and Meatcutting					
Principal stores clerk	1	1	0	0	0
Senior stores clerk	1	1	0	0	0
Stores clerk	2	2	0	0	0
Clothing clerk	6	6	0	0	0
Meat cutter	1	1	0	0	0
Assistant meat cutter	1	1	0	0	0
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Total	12	12	0	0	0

Service and positions	Quota	In service at end of month	Appoint- ments	Left service	Vacancies at end of month Number
Bakery					
Head baker	1	1	0	0	0
Baker	1	1	0	0	0
Bakery helper	1	0	0	0	1
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total	3	2	0	0	1
Industrial Shops					
Head industrial shop worker ...	1	1	0	0	0
Industrial shop worker	2	2	0	0	0
Supervising tailor	2	2	0	0	0
Supervising seamstress	6	5	1	0	1
Shoemaker	1	1	1	0	0
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total	12	11	2	0	1
Food Service and Preparation					
Food service manager	1	1	0	0	0
Dietitian	1	1	0	0	0
Head cook	3	3	0	0	0
Cook	11	10	1	2	1
Assistant cook	5	3	3	4	2
Kitchen helper	18	11	32	31	7
Head dining room attendant	2	2	2	1	0
Attendant	35	33	10	8	2
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total	76	64	48	46	12
Housekeeping					
Housekeeper	4	4	0	0	0
Janitor	1	1	0	0	0
Cleaner	2	1	0	1	1
Domestic	5	3	0	3	2
Assembly hall custodian	1	1	0	0	0
Total	13	10	0	4	3
Maintenance					
Maintenance supervisor	1	1	0	0	0
Carpenter	6	4	0	1	2
Mason and plasterer	2	2	0	0	0
Painter	5	5	0	0	0
Roofer and tinsmith	1	1	0	0	0
Maintenance man	2	2	1	2	0
Maintenance helper	1	1	0	0	0
Window washer	3	0	0	1	3
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total	21	16	1	4	5

Service and positions	Quota	In service at end of month	Appoint- ments	Left service	Vacancies at end of month Number
Power Plant					
Head stationary engineer	1	1	0	0	0
Senior stationary engineer	6	6	0	0	0
Stationary engineer	1	1	0	0	0
Steam fireman	6	5	3	4	1
Power plant helper	2	0	0	0	2
Electrician	2	2	0	0	0
Machinist	1	1	0	0	0
Plumber and steamfitter	5	5	0	0	0
Maintenance man	2	2	0	0	0
Total	26	23	3	4	3
Police and Fire Departments					
Chief institution patrolman	1	1	0	0	0
Institution patrolman	4	4	3	2	0
Watchman	3	3	0	1	0
Total	8	8	3	3	0
Grounds					
Supervisor of grounds	1	1	0	0	0
Groundsman	1	0	0	0	1
Greenhouseman	2	2	1	0	0
Chauffeur	1	1	0	0	0
Total	5	4	1	0	1
Laundry					
Chief laundry supervisor	1	1	0	0	0
Laundry supervisor	2	2	0	0	0
Senior launderer	3	3	1	0	0
Launderer	14	13	14	11	1
Total	20	19	15	11	1
Transportation					
Chauffeur	4	4	0	0	0
Motor vehicle operator	5	5	2	0	0
Total	9	9	2	0	0

BROOKLYN STATE HOSPITAL

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Service and positions Other Employees (specify)	Quota	In service at end of month	Appoint- ments	Left service	Vacancies at end of month Number
Student nurses	9	9	0	2	0
Student nurses (U. S. Cadet Corps)	56	56	31	17	0
Affiliating student nurses (U. S. Cadet Corps) at General Hos- pitals	25	25	0	0	0
Total	90	90	31	19	0
Insulin Research Unit					
Insulin research unit—director social work	1	0	0	1	1
Insulin research assistant	3	0	1	3	3
Stenographer	1	0	0	2	1
Total	5	0	1	6	5
Grand total	1,040	956	484	524	84

