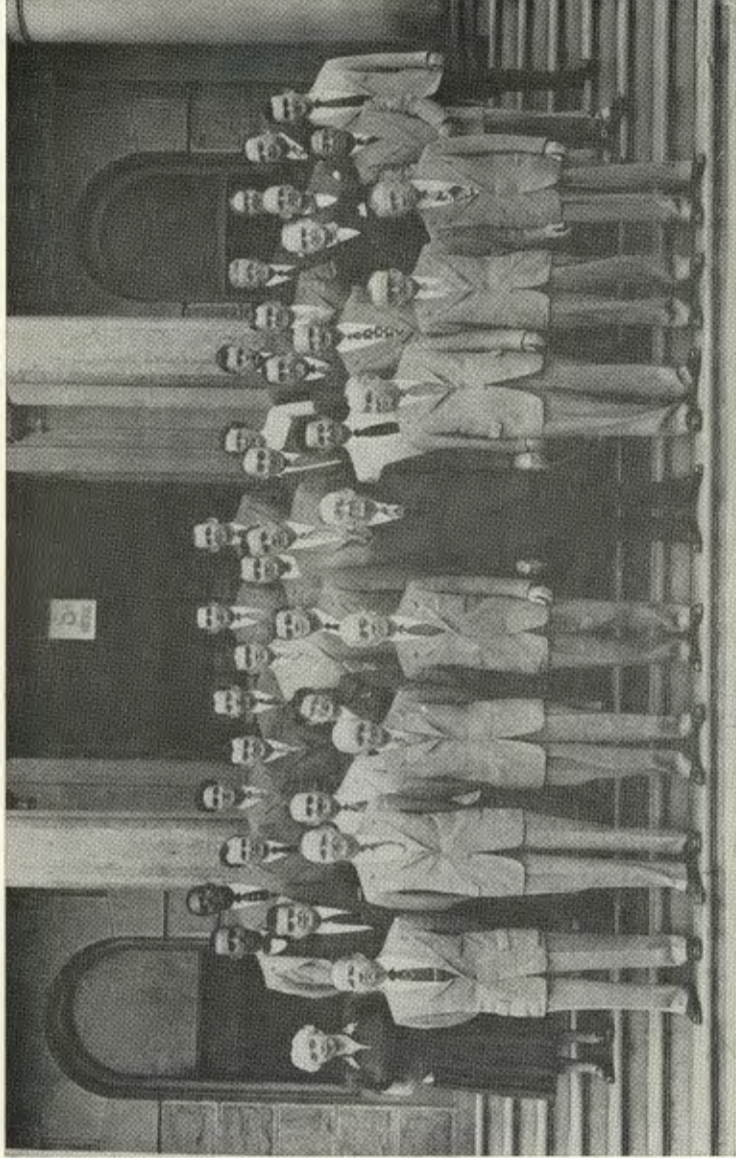


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Annual Report
OF THE
Managers and Officers
OF THE
New Jersey State Hospital
At Greystone Park



MEMBERS OF THE MEDICAL STAFF

1901

For the year ending 31st Dec 1901

CHURCH OF THE HOLY TRINITY

in

NEW JERSEY ST. ALBANS HOSPITAL

CHURCH OF THE HOLY TRINITY

in

CHURCH OF THE HOLY TRINITY

in

THE
SEVENTY-NINTH ANNUAL REPORT
OF THE
MANAGERS AND OFFICERS
OF THE
NEW JERSEY STATE HOSPITAL
((
AT
GREYSTONE PARK
FOR THE YEAR ENDED JUNE 30

1954

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This Hospital is approved by the
JOINT COMMISSION ON ACCREDITATION OF HOSPITALS

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 WILLIAM G. BEUCLER Building Service Supervisor
 JAMES B. STUART Farm Supervisor
 RICHARD GESSNER Acting Food Service Supervisor
 JOHN R. MILLER, Sgt., N.J.S.P. Chief Security Officer
 CHARLES H. ACKER Fire Chief

Northern New Jersey Mental Hygiene Clinics

AGNES P. MCGAVIN, M.D. Director
 MILDRED H. HURLEY Director of Social Service

*Resigned

†Military Leave

TABLE OF CONTENTS

	Page
Report of the Board of Managers	9
Treasurer's Report	11
Population by Counties	12
Report of the Chief Executive Officer, Introductory	13
Health	13
Statistical Resume	14
Clinical Department	15
Clinical Director's Report	15
Shock Therapy	20
Roentgenology and Electrotherapy	21
Tuberculosis	21
Surgery	22
Eye, Ear, Nose and Throat	22
Urology and Proctology	22
Dentistry	23
Chiroprody	23
Pathology and Bacteriology	23
Health Service for Employees	24
Staff Matters	24
Appointments and Resignations	27
Resident Training	27
Nursing	28
Religious Services	31
Social Service	32
Occupational Therapy	32
Récreation	34
Library	34
Greystone Park Association	35
Pharmacy	35
Physical Therapy	36
Barber Shops	36
Photography	36
Medical Records	36
Mental Hygiene Clinics	37
Business Department	37
Recommendations	47
Loss of Employees by Retirement or Death	48
Distinguished Visitors	49
Acknowledgments	50
Conclusion	50
Statistical Tables—Standard Forms	Appendix

Report To The Commissioner To The Honorable Sanford Bates, Commissioner of Institutions and Agencies:

The Board of Managers of the New Jersey State Hospital at Greystone Park present to you their seventy-ninth report, together with the report of Dr. Archie Crandell, Medical Superintendent and Chief Executive Officer, for the fiscal year ended June 30, 1954.

This past year has been a trying one for the management of the hospital and particularly so from the standpoint of overcrowding. Admissions for the year were greater than in the past and the receiving building has housed patients far in excess of capacity. However, the percentage of patients discharged has been comparable with previous years even though every ward in the institution has been constantly overcrowded approximately fifty per cent.

We believe that Superintendent Crandell and all those associated with him in the care of patients have done everything possible for the patients treated during the past year and this Board has kept you informed of the serious problems confronting us. We know that you, Commissioner Bates, have used your best judgment in considering our problems and we shall continue to assist Dr. Crandell to provide adequate housing and treatment for the patients. The reconstruction program, which we thoroughly approve, has made certain areas unavailable to house patients and, in some instances, we are even losing beds as the result of the remodeling.

We are anxiously awaiting the time when 1,500 patients will be transferred as the result of the opening of the new institution at Ancora; the erection of the working patients' building on our grounds will eventually give us further relief.

On July 1, 1953, there were 7,567 patients on the books. On June 30, 1954, there were on the books 7,847 patients, an increase of 280 patients made up of 130 men and 150 women. There were actually 6,721 patients resident in the hospital; 1,126 were out of the hospital on visit, temporary visit, or missing. During the year there were admitted 2,148 patients. The discharges numbered 1,116. Of those regularly discharged, 485 were recovered, 620 improved, 2 unimproved, and 9

without psychosis. The deaths numbered 631, and the total under care was 9,715 patients. The recovery rate was 32.3 per cent and the improved 41.3 per cent, based on the number of first admissions, which was 1,501.

Eleven regular meetings of the Board were held during the year with an attendance of 63; conferences, committee meetings, and visits numbered 254, which made 317 recorded visits to the hospital by Board members. In addition, there were conferences held off the grounds or outside office hours not listed in the official records.

Mr. Evans again had a perfect attendance record, while Mr. Abell and Mr. Littlefield were absent only once. Mrs. Johnson attended 9 regular meetings, Mr. Moseley and Mrs. Leary attended 8, and Dr. Reiter attended 7.

Dr. George O'Hanlon, President of the Board, who had served the institution faithfully since 1929, retired as of June 30, 1953. During the period Dr. O'Hanlon was a member of the Board he manifested a sincere interest in the hospital and we regret that he was unable to guide us further.

Dr. Walter A. Reiter was appointed to the Board as of July, 1953, and his past experience, particularly his knowledge in matters of a medical nature, makes him a very valued member of this Board.

We have received the annual report submitted by Dr. Crandell and we concur in his comments and recommendations and feel all of these are made for the best interests of the institution.

The Board feels that all members of the Central Office have made every effort to respond to the needs of the institution and we are extremely thankful for their efforts.

We express our appreciation to Dr. Crandell, his staff, and all personnel at the institution for the faithful service given the patients during the past fiscal year and we offer all of you our assurance that we shall strive for better conditions for both patients and employees during the next fiscal year.

Respectfully submitted,

FRANK D. ABELL, *President*
 FREDERICK S. MOSELEY, JR., *Vice-President*
 RUTH STILES JOHNSON
 SCRIVEN S. EVANS, JR.
 MARGARET B. LEARY
 WILLIAM E. LITTLEFIELD
 WALTER A. REITER, M. D.

Treasurer's Report of Cash Receipts and Disbursements for the Fiscal Year Ended June 30, 1954

RECEIPTS

From:	
Bergen County	628,397.99
Burlington County	723.02
Camden County	1,171.58
Cape May County	517.80
Cumberland County	1,038.90
Essex County	791,247.45
Gloucester County	526.20
Hudson County	217,294.09
Hunterdon County	1,006.78
Mercer County	517.80
Middlesex County	15,650.35
Monmouth County	9,792.18
Morris County	256,139.29
Ocean County	1,435.58
Passaic County	621,445.31
Salem County	570.14
Somerset County	4,692.76
Sussex County	39,272.30
Union County	57,326.32
Warren County	2,615.20
Non-Indigent Patients	377,640.73
State Contributing Patients	38,530.17
Excess Maintenance Collected by Counties	86,985.21
Maintenance Recovery	24,121.36
Miscellaneous Collections	17,705.44
	\$3,196,363.95

DISBURSEMENTS

Amount of Collections deposited with State Treasurer..... \$3,196,363.95

ROBERT A. LOWERY
Treasurer.

Population by Counties in N. J.
1950 Census

Atlantic	132,879
Bergen	536,310
Burlington	135,926
Camden	300,287
Cape May	36,924
Cumberland	88,727
Essex	900,887
Gloucester	91,719
Hudson	646,136
Hunterdon	42,689
Mercer	229,412
Middlesex	264,659
Monmouth	223,306
Morris	164,613
Ocean	56,117
Passaic	337,308
Salem	49,615
Somerset	98,740
Sussex	34,308
Union	397,559
Warren	54,407
Total	<u>4,822,528</u>

Population of the Six Counties Served by Greystone Park: 2,619,562

Report of the Chief Executive Officer

To The Board Of Managers:

This seventy-ninth annual report of the New Jersey State Hospital at Greystone Park, for the fiscal year ending June 30, 1954, is respectfully submitted.

The overcrowding, which has been a prominent factor in the operation of the hospital for many years, reached a new peak this year, and we sincerely hope that the extent of crowding presented in this report will never be exceeded. The continuance of our reconstruction program on the south side of the Main Building and in the Dormitory Building will still prevent our complete utilization of parts of these areas, but the opening of the new fourth mental hospital at Ancora, scheduled for the coming fiscal year, should bring us safely over the population peak. As it is, with a rated capacity of 4,290, the hospital overcrowding was almost 57 per cent this year, which has continued to make proper classification and effective treatment a most difficult problem.

The educational activities of the hospital, under the supervision of the clinical director and the consultant in training and research, are described in detail in our training bulletin. In addition to the residency program in psychiatry, approved for two years of training by the Council on Medical Education and Hospitals of the American Medical Association in concurrence with the American Board of Psychiatry and Neurology, training is offered to theological students, graduate and undergraduate nurses, psychiatric technicians and attendants, and hospital volunteers.

Health

The health of both the patient and employee population has been good throughout the year with no illness of epidemic proportion. On May 26th a brief episode of acute gastritis, which affected about 120 employees and 30 patients eating in the employees' cafeteria, was traced to cream puffs which were served for supper. Additional refrigeration for the bakery is being requested. The general health program involving routine physical and laboratory examinations of all new em-

ployees and newly-admitted patients is being continued as well as both initial and yearly repeated chest x-rays of the entire hospital population. Employees and patients handling food are examined at frequent intervals. The Department of Agriculture has continued its supervision of food products delivered to the hospital, which assures the acceptance of only food products of standard quality.

There are still six women, typhoid carriers, in isolation since the mild typhoid outbreak in 1944, who are in excellent general health and will require indefinite isolation on a hospital ward of the Main Building.

Statistical Resume

General Data: During the year ending June 30, 1954, there were admitted 2,148 patients (1,063 men and 1,085 women). This figure is 83 more than last year, and 8 above the previous high of 2,140 obtained in the year 1952. The admissions included 1,501 first admissions (757 men and 744 women), 562 readmissions (265 men and 297 women), 70 transfers from other similar hospitals in New Jersey (41 men and 29 women) and 15 special cases, all women, admitted for surgery from the North Jersey Training School at Totowa. The above figures include 26 men committed under the Sex Offenders Act (Chapter 207, Laws of 1950), together with 3 patients (1 man and 2 women) committed for examination, study and classification under the Provisions of Section 2:192-1.2 Revised Statutes of 1937. The number of patients discharged, including deaths, was 1,868 (933 men and 935 women), making an increase of 280 patients on the books at the close of the year.

There were under treatment during the year 9,715 patients (4,652 men and 5,063 women), which was 277 more than the preceding year. The maximum census for the year was 7,855, obtained on June 22, and the highest number actually in the hospital at any one time was 6,727 on June 17th. The average daily number in the hospital was 6,583.2. At the close of the year there were in the hospital 6,721 patients (3,203 men and 3,518 women); 1,110 patients were carried on visit or temporary visit (503 men and 607 women) and 16 patients (13 men and 3 women) were carried as missing. This is an increase of 39 patients outside the hospital and of 241 actually in the hospital at the close of the year.

Discharges: The total of those regularly discharged was 1,116 (542

men and 574 women). Of this number 485 (229 men and 256 women) were considered to have recovered from their psychoses. This is 32.3 per cent, based on the number of first admissions, which is 3.4 per cent less than last year. A total of 620 (303 men and 317 women) were discharged as improved, or 41.3 per cent, based on the number of first admissions, which is 1.5 per cent more than last year. The manner of discharge of the remaining patients was as follows: 2 unimproved, both men, and 9 without mental disorder (8 men and 1 woman). In addition to those discharged, 108 patients (92 men and 16 women) were transferred to other similar hospitals in New Jersey; also, 13 special cases, all women, admitted from the North Jersey Training School at Totowa for surgery, were returned to that institution. The above figures include 20 men, 2 of whom died, committed under the Sex Offenders Act (Chapter 207, Laws of 1950), together with 9 patients (7 men, 1 of whom died, and 2 women) committed for examination, study and classification under the provisions of Section 2:192-1.2 Revised Statutes of 1937.

Deaths: During the year 631 patients died (299 men and 332 women). This is a rate of 6.5 per cent, based on the number under treatment, and is .16 per cent lower than last year.

The largest single cause of death was arteriosclerotic heart disease, certified in 364 cases or 57.7 per cent of the total number; this is 4.9 per cent higher than last year. Bronchopneumonia was the cause of death in 145 cases, cancer in 30 and syphilis in only 3.

The average age at death was 1.46 years lower than last year, being 69.94 years.

Clinical Department

Dr. Laurence M. Collins, clinical director for thirteen years and a member of the staff of this hospital for thirty-seven years, has continued the active supervision of the professional services. He has been assisted by Dr. William H. Longley, who has had direct supervision of the educational activities and the hospital social service work, and by Dr. Raymond J. Harquail, who has been specifically responsible for the continued treatment services in the Main Building, and Dr. Daniel G. Melvin, whose specific responsibility has included the geriatric services and the tubercular service. The report of the clinical director follows:

Clinical Director's Report

The high rate of admissions continued this year and again established a new record, 8 above the 1952 figure. These 2,148 admissions were

again nearly evenly divided between the men and women, there being 1,063 male admissions and 1,085 female admissions recorded in the year. Thus the case load was divided approximately evenly between the male and female services. Of these cases 1,501 were first admissions and 562 were readmissions. There were 70 cases transferred in from other hospitals, 15 special cases admitted from Totowa, 26 sex offenders, and 3 admitted from the courts for presentence psychiatric evaluation. The total number of patients under treatment rose to 9,715, a figure 277 higher than last year.

The number of patients discharged during the year rose from 1,197 last year to 1,237, of whom 634 were men and 603 were women. We have the impression that the crowding on the wards has been influencing the staff to acquiesce to requests for the early release of patients with no antisocial or dangerous tendencies. This may be a factor in the rising rate of readmissions, which went from 502 to 562 in the period covered by this report. Though it certainly is not the only cause of this rise in readmissions, we have been attentive to its potentialities and have been careful not to let premature release interfere with the establishment of permanent cures. This is to say that when readmission has occurred, it usually has happened when optimistic families have found that they could not adequately care at home for a patient who was expected to be chronically ill anyway. The staff has continued to realize the gains of both patient and hospital to be had from prompt institution of treatment with newly-arrived patients. Our effort has been for the past several years now to drill the staffs of the receiving services into thinking automatically in terms of what course of treatment is required by each new patient and the immediate starting of the necessary procedures. The recovery rate was indicated by having 32.3 per cent of the number of first admissions discharged as recovered (485) and 41.3 per cent released as improved (620). Both figures vary only a fraction of one per cent from the figure of last year. There were 1,192 patients placed on extended visit status during the year, and 477 of them were returned for making an unsatisfactory adjustment. Here again is reflected the desire of the patient's family to have him home as soon as possible, and the staff's willingness to agree in cases deemed safe combining to produce a sometimes artificial situation recognized at the outset to be more dependent on the family's ability to provide a protective environment than to be a sign of recovery on the part of the patient.

Some significant differences are to be found in the statistics of the diagnostic groupings in the past year. The acute alcoholism category decreased by more than half as we ceased admitting these cases for simple "drying-out." Many were given an out-patient type of care in the receiving room without being actually admitted. This treatment consisted of a "Blockley Cocktail" (Vitamin B₁ and C together with insulin 50% glucose) and counselling before being dismissed with family or friends. At the same time the number of patients admitted with delirium tremens, either actual or incipient, went up from 54 to 113. The arteriosclerotic group went to new and higher figures with an increase of 18 patients to 519, schizophrenics increased 24 to 354 and manic depressive cases gained 11 to reach 69. Large drops in the numbers of neurotics and undiagnosed psychosis (3 this year and 73 in 1953) indicate an increased effort and capacity on the part of the staff to discontinue the use of these categories as catch-alls for cases difficult to understand. The cases of central nervous system syphilis dropped again from 23 to 16 admitted in the current year and this figure includes all the categories seen, whether the spinal or cerebral types of cases. There were five fewer sex offenders admitted than in the previous year and they were somewhat more accessible to psychotherapy than the overall average of the previous groups.

There were 631 deaths in the institution in the past year which, when compared to the 9,715 patients under treatment, gives a mortality rate of 6.5 per cent. The average age at death was 69.94 years, a figure comparable to that of the past several years. Again we find arteriosclerotic heart disease and hypostatic pneumonia resulting from the decreased resistance of age accounted for five-sixths of the deaths. Carcinoma of various of the body organs accounted for 30 deaths and also needs to be thought of as belonging to the morbidity results of aging. Seven of the deaths were coroner's cases; there were 130 autopsies, giving an autopsy rate of 22 per cent, which is somewhat short of our goal and is receiving our concentrated attention at this time.

Staff training and education have continued during the year at the accelerated pace necessary to fulfill the requirements of the residency training program. Didactic lectures and courses were scheduled throughout the academic year at Greystone Park, and in New York at the College of Physicians and Surgeons and at the American Institute for Psychoanalysis. Dr. Fred A. Mettler of our consulting staff contributed very

generously of his time and experience in most of the planning and we wish to express our gratitude again for his efforts on our behalf. In addition to the program planning, he conducted a course in neuroanatomy himself in a very interesting and stimulating manner and was instrumental in bringing to us a distinguished staff of lecturers. We have continued to incorporate into the training schedule regular seminar sessions for the staff, regular clinical case presentations, x-ray film reviews, Journal Club meetings and clinical pathological conferences. Rotation of the resident staff through the various services was continued for training purposes throughout the year and the chiefs of services, acting as preceptors for the doctors assigned to them, conducted regularly scheduled training interviews. Staff attendance at meetings of professional societies and public lectures was encouraged.

Regular staff meetings have continued to be held five times each week for the diagnosis and release of patients, as well as to consider in special cases matters of competency, driving privileges, need for guardianship, etc. These meetings have been attended by the affiliate nurses, psychiatric technician trainees, psychological interns and clinical pastoral trainees as part of their regular training experience in this hospital. Monday afternoon rounds were made regularly with the superintendent to visit all new admissions of the previous week, establish a provisional diagnosis, and assign them to members of the staff for special study, diagnosis and treatment.

We have continued to keep up the high standards of medical and psychiatric treatment in the hospital during the year. Medical cures of the various ailments encountered in the patient population have been effected promptly and efficiently with the latest accepted medicines as well as the standard drug items. Investigations have been conducted on the various services to determine the comparative efficacy of a number of hematinics and sedative preparations, a series of patients are now being treated with Serpasil and Thorazine to compare the effectiveness of these products in psychiatric cases, and the deep x-ray therapy unit has been used extensively this year in the treatment of appropriate cases under the supervision of our visiting consultant, Dr. Oscar H. Cohen. Group and individual psychotherapy has continued to be stressed as Dr. Coffey and Dr. Drake have conducted groups of neurotic and alcoholic patients in addition to the activities of Dr. Longley, Dr. Lanczy and Miss Friedman in this field. Ninety-seven patients participated in 395

group sessions covering 4,740 patient-hours in addition to non-supervised evening sessions twice weekly among the active group members. The patients completing this experience have shown an extremely low rate of recidivism and have shown marked improvement in outlook.

The psychology section has continued to be active under the direction of Miss Sylvia Friedman during the year. The interns who completed six months each of clinical training were Mr. Morris Breakstone, who was assigned here for the summer and fall, and Miss Anne Rosner, who came to work in the winter and spring. The interns were assigned chiefly to the work of psychological testing and were of great help in carrying out these duties. In addition to supervising the clinical progress of the psychological interns, Miss Friedman conducted regular group therapy sessions on the female wards, gave three 22-hour courses in psychology to the psychiatric technician trainees, and gave four seminar lectures to members of the staff on the theory and application of principles of projective testing. She also lectured to clinical pastoral trainees and to affiliate student nurses on psychological subjects.

The Shock Service, under the direction of Dr. Esposito, gave and supervised a total of over 25,000 treatments during the year throughout the hospital. This figure includes 16,385 ambulatory electroshock treatments administered to patients from all services in the hospital and 9,771 insulin, combined, electric and curarized treatments given in the Clinic Building. As a result of the rotation policy there are doctors experienced in the administration of electric shock on all of the main services now who have had many months of individual training and supervision in this work under Dr. Esposito. These doctors have used standard shock machines allotted to their buildings to actually administer the ambulatory treatments given on their services and thus assist Dr. Esposito and Drs. Dolinsky and Wojdatt by lightening the actual physical work load. Dr. Esposito is still routinely using the Bromsulphalein Liver Function Test on all prospective insulin patients and again reports a year free of severe reactions such as caused so much concern occasionally prior to the instituting of this routine.

Again it is our wish to express appreciation of the efforts made by members of the staff to accomplish the results that have been achieved in handling a tremendous case load. The in-patient census has grown slowly but steadily. Every available space has seemed to be filled with beds and still there had to be room made for more. We hope that this

will be our last year of such all-surpassing overcrowding and that the opening of the fourth state hospital will let us devote a higher percentage of our time to the clinical treatment and cure of psychiatric ills and require less staff-hours of administrative operation of the services, especially on the acute treatment wards. While there are a few faces among us who are new to the problems of psychiatric care, we are relieved to have so many of the staff still with us who have completed the initial two-year phase of training and who by now have become capable of carrying their full share in our task of serving the community.

Miss Mary L. Byrnes, secretary to the clinical director, in charge of interstate transfers, reports the movement of non-resident and deportable cases encountered during the year: To mental hospitals outside the state, 21; to mental hospitals within the state, 108; to North Jersey Training School, 13; to State Prison, 2; to Bordentown, 1; to Diagnostic Center, 1; repatriated to Manila, 1; and deported, 3. There were 57 cases handled and reported who were removed by relatives, discharged or died.

Shock Therapy

Under the continued direction of Dr. Amedeo Esposito, the Shock Therapy Service on the two wards in the Clinic Building administered combined insulin and electroshock therapy to a total of 434 patients (216 men and 218 women). Dr. Esposito has presented a complete tabulation of the results of this therapy. There were 160 men who received a complete course of treatment and of this number 117 (73 per cent) left the hospital, 18 (11 per cent) are in the hospital in an improved condition, and 25 (16 per cent) are in the hospital unimproved by the therapy. There were 157 women who received complete courses of treatment and of this number 122 (78 per cent) left the hospital, 20 (13 per cent) remained in the hospital improved, and 15 (9 per cent) showed no improvement. The use of Metrazol has been discontinued. Curare has been continued in selected cases, all on the male service.

As in previous years, schizophrenic patients outnumbered those with other diagnoses, and of the 236 treated, 175 left the hospital after treatment.

Electroshock has also been continued as the anesthetic agent in transorbital lobotomy operations, with a follow-up course of three electroshock treatments for the two weeks after the operation.

Roentgenology and Electrotherapy

Dr. Daniel G. Melvin furnished the supervision for both the main Roentgenology and Electrotherapeutic Department in the Clinic Building as well as the smaller x-ray unit in the Tuberculosis Building. He has been assisted by a staff of four who during the year made a total of 7,781 exposures and administered a total of 2,566 electrotherapeutic treatments.

Dr. Oscar H. Cohen, a practicing radiologist from Boonton, New Jersey, was appointed as a consultant in x-ray therapy on November 16th of this year. During the period of time from November 16th through June 30th, 102 consultations and examinations were performed by Dr. Cohen, and 30 patients were given a total of 378 x-ray therapy treatments by Mrs. Marz. Clinics are held on Monday of each week.

Dr. Albert Abraham, a cardiac consultant from Morristown, conducted an electrocardiogram survey of luetics in the institution. To date, 185 electrocardiograms and consultations have been done, and this survey is expected to continue through the year. Clinics are held on Wednesday and Friday of each week.

The semi-annual chest x-ray survey of the entire patient and employee population required 13,700 photo-roentgen films and, as a result of the survey, 179 full-sized follow-up films were made.

Dr. Joseph Zigarelli has continued the operation of the eight-channel electroencephalograph in the Reception Building.

Tuberculosis

Dr. John Ma has been in charge of the Tuberculosis Service during the year, and reports that 58 men and 22 women were admitted to the service during the year; of these, 23 men and 8 women were received from the state hospital at Marlboro, and 34 men and 15 women were from the wards of our own hospital. There were 104 patients discharged from the service, 12 men and 9 women as recovered and 53 men and 30 women as improved. The census of the service at the close of the year showed 557 patients (321 men and 236 women); 289 of these patients were considered active and the remaining number as convalescent. Of the 36 deaths on the service during the year, only 8 were caused by tuberculosis. Treatment has been continued with the new anti-tubercular drugs in various combinations, with streptomycin combined with rimifon being favored. Electroshock therapy proved quite useful in assisting some patients to show a better adjustment and caused no recurrence of ac-

tivity of the tuberculous process. Occupational therapy was also of great use in dealing with the underlying psychoses. There were 17 patients allowed home on extended convalescent status and 93 had temporary home visits; an out-patient clinic allowed patients on visit to continue pneumothorax or pneumoperitoneum treatments.

Surgery

Dr. Laurence M. Collins, F.A.C.S., has continued his interest in surgery of many years' standing by lending his support and guidance to this department. Dr. Edward I. Kessler has continued immediate supervision of the Surgical Service, and calls attention to the large number of pathological fractures which occurred during the year in the older group of patients, with a total of 157 fractures being reported. Of the other operations performed, the greatest number was transorbital lobotomies, totaling 67.

Dr. Stuart Z. Hawkes, F.A.C.S., has visited the hospital at regular intervals in his capacity as consultant in surgery.

Joan C. Fenimore, registered nurse anesthetist, reports a total of 270 anesthetics, 123 local, 41 spinal, 39 general and 3 intravenous anesthetics, as well as the use of electric shock in 64 cases.

During the year 5 boys and 4 girls were born alive in the hospital.

There was one accidental death of a patient who, while attempting to escape, died of exposure to cold; there was also one suicidal death.

Eye, Ear, Nose and Throat

This year Dr. Perry J. Gambill marked the completion of thirty years as a member of the hospital staff and head of the department. He reports that routine examinations were performed on 2,128 newly-admitted patients as well as 1,587 special examinations on those in the hospital. He also made 907 examinations of employees and furnished treatment to 425 of them. Surgical operations included 857 performed on patients and 147 on employees. Dr. Gambill attended a symposium at the Gill Eye, Ear, Nose and Throat Hospital at Roanoke, Virginia, and has in other ways kept up to date with the developments in his specialty.

Urology and Proctology

Dr. Marshall D. Hogan has supervised urology and proctology during the year, making visits to the hospital as indicated. He reports 15 operations as well as 572 rectal examinations, 138 proctological consultations,

128 urological consultations and a total of 2,086 colonic irrigations given to 184 patients treated.

Dentistry

Dr. William J. Byatt, senior resident dentist, has been assisted by Dr. Loftus Brown, as well as by Mr. Patrick DeNapoly, dental technician. During the year there were 4,285 patient visits to the clinic, including 1,581 admission examinations, 1,996 treatments, 984 fillings and 389 intra-oral x-ray examinations. There were 4,370 extractions of teeth, 175 surgical removals of teeth and 14 impactions removed. The laboratory processed 254 dentures, including 121 full upper or lower, as well as repairing 161 others.

Chiropody

Frank J. Gasser, D.S.C., reports that a total of 534 women and 478 men received altogether 2,017 treatments during the year at the Chiropody Clinic, which functions two mornings per week.

Pathology and Bacteriology

Dr. Abraham J. Gitlitz, pathologist, has continued the supervision of the laboratories and reports that his staff has cooperated with the various departments in the treatment of patients and the evaluation of the effectiveness of new drugs. Outdated and worn equipment has been replaced with apparatus to make use of the latest laboratory procedures available. Necessary tests were performed on all newly-admitted patients and special examinations were utilized where indicated.

Urinalyses performed totaled 9,341.

Hematology included 4,298 red cell counts, 4,270 leukocyte counts and 2,749 differential counts. There were 4,352 hemoglobin determinations. Bleeding and clotting time was determined in 282 and sedimentation rate in 765 cases. Blood typing and Rh factor totaled 3,369 each, with cross-matching in 29 cases.

Blood chemistry determinations included 2,727 urea nitrogen, 5,072 blood sugar, 107 blood chlorides and other special determinations in a smaller number.

Immunological tests included 4,528 determinations of both Wassermann and Kline reactions; there were also 198 complete examinations of spinal fluid. Bacteriological tests numbered 259 smears of sputum

for tubercle bacillus as well as over 200 other bacteriological determinations. There were 626 feces examinations for occult blood and 616 for ova and parasites.

Among the other examinations listed were 244 cephalin cholesterol flocculation liver function tests and 75 bromsulphalein tests. From the 130 autopsies performed, 2,145 tissue pieces were examined. The total of all tests performed during the year was 56,754.

Health Service for Employees

Dr. Joseph Donovan, who has completed thirty years on the staff of the hospital, has continued in charge of health services for employees, including both the Out-Patient Clinic and the employees' ward for those requiring hospitalization. His report shows 2,027 physical examinations of new applicants, and 5,832 physical re-checks and treatments. There were 596 admissions to the employees' ward, 588 discharges and 6 deaths. The usual gamut of illnesses was treated, with the greatest number in the upper respiratory category.

Staff Matters

There has been little change in staff assignments generally during the past year. Dr. Theodore Gebirtig has continued as assistant superintendent, and Dr. Laurence M. Collins, clinical director, has continued to supervise the treatment and disposition of patients, assisted by Dr. William H. Longley, assistant clinical director who has also directly supervised the resident training program and group psychotherapy. Two additional assistant clinical directors were appointed from the ranks of the senior resident physicians, Dr. Raymond J. Harquail, who has had general oversight of the continued treatment service in the Main Building, and Dr. Daniel G. Melvin, who has given immediate oversight to the geriatric service in the Dormitory Building and the Tuberculosis Service.

In the Reception Building, Dr. Frank D. Fenimore has directed the female reception service, and Dr. Joseph F. Zigarelli, the male service as well as the electroencephalographic work. In the Clinic Building, the health services for the employees were provided under the direction of Dr. Joseph Donovan; Dr. Perry J. Gambill supervised the eye, ear, nose and throat work; Dr. Edward Kessler was in charge of surgery as well as the medical wards; shock therapy was under the direc-

tion of Dr. Amedeo Esposito, who supervised all ambulatory shock service throughout the hospital, and the dentistry has been under the supervision of Dr. William J. Byatt. In the Main Building, Dr. Raymond J. Harquail has continued the immediate supervision of the female service and Dr. Gerald W. Snyder was promoted to senior resident physician and the responsibility for the male service. The Dormitory service, including the unit where working patients reside and the temporary senile unit, has been under the charge of Dr. Helen I. Anderson. Dr. Daniel G. Melvin continued the immediate responsibility for the operation of the X-ray Department and also served as consultant to the Tuberculosis service, which has been directly supervised by Dr. John Ma.

Much credit is due the medical staff for its effective and cooperative function throughout the year. Scientific meetings and lectures given in this area have been well attended by staff members.

Dr. Crandell attended the annual meetings of the American College of Hospital Administrators, where he was inducted into full membership, and the American Hospital Association, both held in San Francisco. He participated in the program at the U. S. Naval Hospital in Philadelphia, discussing psychotherapy in the Air Force. Included among his lectures during the year was a talk to the medical staff at Mitchel Air Force Base, New York, on Psychiatric Treatment in the Air Force, and the Presidential Address in December to the New Jersey Neuropsychiatric Association on the Mental Hospital and the Community. He attended many other local, state and national meetings, including that of the American College of Physicians in Chicago, the American Psychiatric Association in St. Louis, the Association for Research in Nervous and Mental Disease in New York, and the Mid-Atlantic Hospital Assembly in Atlantic City. He served as chairman of a reference committee as well as delegate at the annual meeting of the Medical Society of New Jersey.

During the year he continued to serve as consultant in neuropsychiatry to the Surgeon General of the United States Air Force and as president of the New Jersey Neuropsychiatric Association, as well as assuming office as president of the New Jersey District Branch of the American Psychiatric Association and as chairman of the Board of Tellers of the A.P.A. He was advanced to fellowship in the American College of Physicians and was certified and registered as a qualified Mental Hospital Administrator by the Committee on Certification of the American Psychiatric Association.

Dr. Gebirtig represented the hospital at meetings of many organizations, including the annual meeting of the New Jersey State Welfare Council in Atlantic City, the meeting of the American Psychological Society in New York City, and the Governor's Conference on Epilepsy and the annual meeting of the New Jersey Association of Mental Health, both in Trenton. He gave lectures to various societies and maintained an active interest in professional affiliations.

The staff was well represented at the Fourth Annual Institute in Psychiatry and Neurology at Lyons, the regular meetings of the New Jersey Neuropsychiatric Association and the Morris County Medical Association. Many members also attended the annual meeting of the Medical Society of New Jersey at Atlantic City. A course in child psychiatry, given at the New School for Social Research in the fall, was attended by Drs. Lathen, Panchuk, Drake, Wojdatt, Dolinsky, Lanczy, Pustroem, Felger, Klark and Mullan; at the same school a course was given in the spring on readings in psychoanalysis, which was attended by Drs. Mullan, Felger, Colonna and Hrabarchuk. Drs. Wojdatt, Panchuk, Dolinsky, Coffey, Klark, Drake and Lathen attended a spring course in psychiatry and psychoanalysis at the American Institute for Psychoanalysis in New York, where Drs. Longley, Lanczy and Litwin took a course on group psychotherapy.

In the research field, Drs. Fenimore and Lathen investigated the relationship between the time of onset of psychic disturbances in women and the stage of the menstrual cycle. A study of the effects of serpasil on disturbed patients, as well as a comparison of hematopoietic effects of the various hematinic agents in use at this hospital, was made by Dr. Colonna. Drs. Abraham and Melvin investigated the electrocardiographic status of all old cases of syphilis in the hospital, doing complete heart studies where indicated.

In the forthcoming budget several additional positions will be requested since it is hoped that the staff can be augmented gradually to approach the ratios suggested by the American Psychiatric Association.

The housing shortage for the staff has met no relief during the past year, and we are requesting that within the near future more adequate provision for this urgent need be made.

Appointments and Resignations

<i>Resident Physicians Appointed</i>	
Adam Colonna-Czosnowski, M.D.	July 1, 1953
Eugene Hrabarchuk, M.D.	October 19, 1953
<i>Senior Resident Physicians Promoted</i>	
Raymond J. Harquail, M.D. to Assistant Clinical Director	July 1, 1953
Daniel G. Melvin, M.D. to Assistant Clinical Director	July 1, 1953
<i>Resident Physician Promoted</i>	
Gerald W. Snyder, M.D. to Senior Resident Physician	July 1, 1953
<i>Senior Resident Physician Resignation</i>	
Archie Sofman, M.D.	July 16, 1953
<i>Other Staff Appointments</i>	
Loftus Brown, D.D.S., Resident Dentist	March 16, 1954
Edward E. Mueller, M.S.W., Director of Social Service	October 1, 1953
Mrs. Flora Dayton, Assistant Librarian	January 18, 1954
<i>Other Staff Resignation</i>	
Mrs. Ruth Milk Wick, Senior Librarian	September 1, 1953

Resident Training

The training program bulletin published by the hospital lists the resident training program in detail as well as the other additional programs being carried on at this institution.

Our program is approved for two years of training in psychiatry by the Council on Medical Education and Hospitals of the American Medical Association in concurrence with the American Board of Psychiatry and Neurology.

Under the direct supervision of Dr. William H. Longley, assistant clinical director, a complete course has been offered to both first-year and second-year residents at this hospital. Under the training program residents were required to comply with the following curriculum: (case conferences, ward rounds, staff seminars and a series of lectures on clinical psychiatry as well as monthly clinical pathological conferences, x-ray reviews) and Journal Club. In addition to the above, all first-year residents have received a two-day orientation of the hospital which included all therapeutic units; in-service training on basic psychiatry and neurology, including lectures on the various phases; a six-month assignment

to the insulin and electric shock service, and a two-hour brain-cutting session scheduled every other week throughout the academic year. The second-year residents have continued in-service training, involving theory and advanced clinical psychiatry and neurology, and individual and group psychotherapy. In the organization pattern, each first-year resident has been supervised by a second-year resident, both of whom are directed by a permanent staff member. Individual conferences have been conducted by the assistant clinical director.

Valuable assistance to our training program has been given by Dr. Fred A. Mettler, who has secured outstanding authorities in various fields to serve as lecturers. Those who have lectured to the resident staff are as follows: John R. Whittier, M.D., on psychopathology; Hubert S. Howe, M.D., on alcoholism and drug addiction; Abner Wolf, M.D., on neuropathology; Lothar B. Kalinowsky, M.D., on shock therapy complications; Eli Goldensohn, M.D., on mechanics of shock therapy and electroencephalography; William Caveness, M.D., on epilepsy; Sidney Carter, M.D., on multiple sclerosis; Emanuel Feiring, M.D., on neurology; Pinckney Harman, M.S., Ph.D., on neurophysiology; Daniel Sciarra, M.D., on neurosyphilis; and Bernard Glueck, M.D., on psychopathic personality. The above lecture series was well attended by our hospital staff as well as by physicians in neighboring areas. Dr. Mettler also gave a series of lectures on neuro-anatomy.

Nursing

The administration of nursing service and nursing education continued under the supervision of Miss Laetitia M. Roe, R.N., B.S., director of nursing. Miss Margaret Larkin, R.N., B.S., assistant director of nursing, was in charge of professional nurse education; Miss Sophie Kraykowski, R.N., B.S., and Mrs. Patricia Long, R.N., assistant directors of nursing service, continued in the same assignments. Mrs. Ruth Beam, R.N., instructor, was in charge of sub-professional education.

At the close of the year there was a total of 87 nurses, which included two instructors, 17 supervisors, 23 head nurses, 22 staff nurses and 19 part time nurses; there were 86 technicians, 100 charge attendants, 434 attendants, 26 technician trainees, and 79 affiliate student nurses. This made a total of 812 persons giving nursing care to 6,721 patients as compared to 707 persons plus 119 part-time personnel giving care to 6,481 patients a year ago. The shortage of men workers

was relieved to some extent by the employment of part-time employees but became acute again when part-time was discontinued in April and overtime in May.

Graduate Nurse In-Service Program: The second course for graduate nurses was completed with the presentation of certificates to 10 nurses. The responsibility for the direct supervision of the program was assigned to Miss Elizabeth Maloney, R.N., B.S., M.A. and Mrs. Ruth Connelly, R.N., Miss Margaret Larkin, R.N., B.S., and Mrs. Lorene Warner, R.N., B.S., participated and assisted with the planning. Nurses from the first class contributed excellent suggestions to make this a more valuable learning experience. Three nurses from the Neuro-Psychiatric Institute at Skillman participated in the program.

The small group conference and seminar methods were utilized throughout the thirty hours of the course. Emphasis was placed on the role of the psychiatric nurse as the leader of the psychiatric nursing team and on the problems which arise daily in the care of the mentally ill patient.

The regular supervisors' meetings were held twice monthly; the monthly building meetings were resumed in March. Miss Roe and Miss Maloney served on the Psychiatric Committee, Division of Evaluation Services of the National League for Nursing. Miss Larkin and Miss Maloney worked on the Steering Committee of the Department of Diploma and Associate Degree Programs of the New Jersey League for Nursing. Mrs. Ardath Koch attended the First National Congress for the Association of Operating Room Nurses and the Operating Room Section meetings of the New Jersey State Nurses Association. The first meeting to form the Inter-Departmental Council on Psychiatric and Mental Health Nursing was held at this hospital. Miss Roe was elected chairman and Miss Kraykowski was made secretary. During the year several of the nurses attended other professional meetings.

The Affiliate School of Nursing: During the year 450 of the 454 students who reported for the affiliation in psychiatric nursing completed the twelve-week course successfully. In March, 5 students from the School of Nursing of Rutgers University, two-year basic program in nursing, reported for an eight-week affiliation. Miss Hildegard Peplau was the instructor in charge of their program and supervised their clinical practice of three days per week. A total of 19 schools of nursing

relations. He conducted a course for the clergy of the community on a one-day-a-week basis, eight Wednesdays during the fall, in which the dynamics of personality development and mental health were presented. The clinical pastoral training program included two groups of theological students who spent twenty-four weeks in training. Nine students were in the summer group and four in the fall. The chaplain also supervised educational tours for visiting organizations and lectured to psychiatric technician trainees and other students at the hospital.

Social Service

Edward E. Mueller, M.S.W., was appointed director of social service October 1st, coming to the hospital after much experience in the armed forces, Veterans Administration and other psychiatric organizations. He has had a professional staff of 10 and clerical staff of 8. New members of the staff included Miss Carolyn Richardson and Miss Elizabeth Monks.

A daily average of 1,111 patients were carried on visit during the year. A total of 8,530 interviews were made during the year, 3,431 in the hospital and 4,999 in the community. There were 718 histories obtained in the office, requiring interviews with 1,038 persons, and 809 histories were obtained by questionnaire. Interviews with relatives of patients prior to home visit numbered 706 and, in addition, 48 special home investigations were made.

Mr. Mueller has presented a comprehensive report for the year, outlining the casework functions and activities of his department. This includes work in the following areas: admissions, social treatment program, preconvalescent status studies, family care, convalescent clinics, miscellaneous casework services, education and training, research, community interpretation, children services, correspondence and telephone service, personnel, space and equipment, coordination with other departments, out-patient services, and finally, plans for the future. His work during the few months he has headed the department has been excellent, and we look forward to an expanded program as additional funds and facilities are made available.

Occupational Therapy

Mrs. Margaret C. DeVries, director of occupational therapy, completed twenty-five years of service to the hospital and achieved the distinction of "cover girl" on the June *Psychogram*. She has continued to be in direct charge of the curative workrooms division, comprised of

patients who are unable to leave the hospital wards. She was assisted by a staff of 9 occupational therapists, 5 aides and 3 summer workers. During the year 2 aides were promoted to the rank of occupational therapist and 3 new aides were procured. The ward classes have enrolled upwards of 700 patients, and this group produced 4,260 saleable articles and 7,619 articles for hospital use, much of the material being obtained from donations and salvaged articles. Both sedative and stimulating occupations have been provided for patients, including ceramics, weaving, plastics, painting, woodwork, and many types of knitting and crocheting.

The Men's Arts and Crafts Shop furnished occupation for those patients who were sufficiently well adjusted to leave their wards and work in the well-equipped building assigned to this program. A total of 7,948 articles were produced, including almost 800 baskets of various types, 1,200 rugs, 2,500 brooms, and more than 2,500 pottery pieces. The same shop also reconditioned and repaired 5,661 articles for hospital use and sent 2,939 articles to the storehouse.

The Women's Arts and Crafts Shop was most active and in their plain-sewing department produced 19,000 sheets, 14,000 pillowcases, and almost 6,000 towels of various sizes for hospital use, as well as large numbers of articles of clothing, more than 64,000 in all. Fancy articles produced included over 400 braided or hooked rugs, more than 100 hooked chair seats, and many hundreds of articles of embroidery work, knitted work and crocheted articles; the total of the fancy articles made was 2,183.

The Printing and Bookbinding Department, an important unit of the program, which produces this publication as well as the monthly magazine, *The Psychogram*, reported a total of more than 3,000,000 impressions from their printing presses, over 1,000,000 from the ruling machine, and also 600,000 punching and perforating operations, 33,000 padding and 14,000 binding.

Occupational therapy includes many more activities than those enumerated above. Work in such hospital areas as the kitchen and bakery, farm and gardens, and in the dining rooms, laundry, and on the wards is often of great value in assisting the patients to make a better hospital adjustment and thus prepare them for return to the community. Almost a third of our total population in some manner participates in occupational therapy, and the program is designed to eventually reach every patient, no matter how greatly handicapped.

Recreation

Mrs. Dorothy Johnson, who has been on the staff of the hospital since 1926, has continued as supervisor of recreation, directing the many recreational and physical educational activities of the institution. Her staff has consisted of 5 recreational assistants and 3 recreational aides, supplemented by 4 summer workers. The program reaches throughout the institution and activities are therapeutically arranged.

A balanced program of game skills, creative skills, art, music, drama and literature is conducted, with special concern for seasonal and holiday activities. In her comprehensive report, Mrs. Johnson lists re-socializing and rehabilitation classes, physical fitness and music classes, and such activities as the Art Club, Glee Club and choir, bowling, dancing and speaking groups. Athletic activities vary with the season and picnics are greatly enjoyed during the summer months. During the winter moving pictures are a great source of entertainment for the entire hospital; those able to do so attend the weekly showings in the amusement hall and for those unable to leave their wards the 16 mm. movies are shown on a regular schedule throughout the institution.

Mrs. Johnson has been ably supported in her recreational activities by many volunteer groups, particularly Red Cross chapters from the adjoining counties and veterans auxiliary groups.

Among the outstanding yearly events are the annual band concert in August by the Dover A.F.M., the Halloween dance with its interesting costumes and skits, and the Christmas tree party, which this year featured the Christmas play "Columbine Madonna", produced entirely by patients of the hospital. The minstrel show, a yearly production of the Morristown American Legion, was enjoyed by a capacity audience in March. A new activity which found enthusiastic acceptance was the Dale Carnegie course in public speaking, which graduated twenty in April.

An attempt was made to reach every patient with some phase of the program, and a total attendance of 110,751 was recorded at the various parties, movies and dances held during the year.

Library

Mrs. Flora Dayton has served as librarian since January, replacing Mrs. Ruth M. Wick, who resigned to accept a position in another state. Mrs. Dayton reports that about 1,500 books have been added to the three libraries located in the Clinic Building, Main Building and Dormitory.

Besides these, hundreds of books were put into circulation which were donated but were not completely classified and catalogued. The entire book collection was surveyed and obsolete material discarded to make room for new acquisitions. The book collections in the nurses' and employees' residences have been completely changed.

Thousands of magazines received through donations have been immediately put into circulation and most of the wards have been visited with the book truck at regular intervals. Library service has been extended to the Tuberculosis Building. For those unable to read, a group is conducted in the Dormitory library every morning, who listen to "books on records."

Many organizations have assisted by donating books, magazines, puzzles and cards, and the work of the library has been greatly broadened by the loyal volunteers who have assisted in all phases of the work.

Greystone Park Association

Mrs. Anton Randazzo of Passaic has, as president of the Association during the past year, been most active in leading the many affiliated groups in service to the hospital. Hospital Auxiliary pins, awarded for service of 100 or more hours during the year, were given to Mrs. Robert Wylie, Mrs. George McKelvey, Mrs. Elliot Lindquist, Mrs. Jeffrey Would, Mrs. F. N. Ellers, Mrs. Thomas Simpson and Mrs. C. L. Galler. Volunteer service pins for in-hospital service of 100 or more hours during the year were awarded to Mrs. Albert Merck for work on the wards, and Mrs. Alexander Dean and Mrs. Elsie Campbell for work in the library. During this sixth year the organization has continued its activities in procuring television sets for the hospital so that now the majority of the wards are able to enjoy this form of recreation. The production chairman, Mrs. Higgins, reports continued activity in the making of bed jackets and slippers. Mrs. Austin Fort, publicity chairman, has addressed many interested organizations and has spread the news of the hospital and the auxiliary tirelessly. Preparing Christmas gifts for the annual party was still one of the outstanding undertakings of the association. The organization has also continued its sponsorship of teas for affiliate student nurses, which is much appreciated by the nursing department.

Pharmacy

The hospital pharmacy has continued under the direction of Philip B. Roberts, Ph.G., who has completed thirty-one years on the staff of this hospital; he has been assisted by Louis Bangert, Ph.G., George H.

Rowland, Ph.G., and John Callery, B.S., Ph.G. Mr. Roberts' years of experience have made him invaluable as medical supply officer, and under his direction 2,700 issue requisitions to wards and other departments were made during the year as well as the preparation of annual budget forms, annual inventories, semi-annual application forms and the operation of an extensive perpetual inventory system. The operation of the intravenous solutions, known as the Fenwal system, has been directly supervised by Mr. Callery and has been responsible for a considerable saving and has eliminated stocking of many solutions. The pharmacy has continued the manufacture of many medical preparations in various forms too numerous to list here. A total of 27,997 individual prescriptions were filled during the year, with the reception and the tuberculosis services being the greatest consumers.

Physical Therapy

Wilbur T. Riker, R.P.T., has served as senior physical therapist, assisted by Augusta Radtke, R.P.T., on the female service. They gave instruction to psychiatric technician trainees as well as talks to groups of other students visiting the department during the year. A total of 8,548 treatments were administered on the male service and 15,965 on the female service.

Barber Shops

Mr. Herschel Tucker, head barber, has supervised the work of 12 barbers and 5 hairdressers in his department and reports that during the past year 293,148 shaves and 36,590 haircuts were given to the men, while the women received 66,180 treatments, including haircuts, shampooos, permanent waves, fingerwaves and facials.

Photography

Daniel J. Lutz, photographer, has been responsible for photographing patients for identification and comparison on admission and discharge from the hospital. To obviate the climb to the fourth floor of the Reception Building, an additional studio was outfitted on the ground floor. There were 1,921 admission photographs and 1,190 discharge photographs processed, and 987 construction prints, 634 reproductions, 873 enlargements, and 433 police and deportation photographs were made.

Medical Records

Mr. Joseph Brown, R.R.L., in charge of the medical record office

where the clinical records of all patients who have been in this hospital are maintained, has also been responsible for the preparation of accurate statistics, and the tables found at the close of this report made under his direction will give much valuable information concerning the changing aspects of mental illness.

The microfilming of discharge records has continued, 1,508 cases having been processed during the year. The number of discharge records now on film reached 30,181 and includes the discharges of March 1939.

Mr. Leo Boulris has reported that 1,700 individual sets of fingerprints were made during the year, bringing the total on file to 24,977. He also processed 1,134 sets of employees' fingerprints during the year, with the total in this section reaching 10,857.

Mental Hygiene Clinics

Dr. Agnes P. McGavin has continued as director of the clinics and Miss Mildred H. Hurley as director of clinic social service. Dr. A. Chapman Isham served until April 2nd as part-time psychiatrist. After many years on the social service staff of the clinic, Miss Elizabeth Monks transferred to the hospital social service; Miss Mary M. Brown assisted as social worker for a few months.

The same communities were served by the clinics except that Kearny was cared for by a clinic at Beth Israel Hospital, Newark, since Hudson Hospital was unable to furnish space. A total of 223 clinics were held at eight different locations. There were 522 open cases at the beginning of the year, 382 new cases were opened and 436 cases were closed, leaving 468 on the roll at the end of the year. During the year 579 different cases were handled. There were 1,392 psychiatric interviews and 3,155 interviews by social workers, as well as 656 psychological interviews.

There was still not a full staff for the mental hygiene clinics, vacancies existing in the psychiatric and social work categories.

Business Department

Mr. John T. Neal, Jr., for more than six years business manager of the hospital, is responsible for all of the operations not directly clinical in nature. His broad knowledge of business administration and his years of experience in the public utilities have enabled him to handle the department in an outstanding manner. Under his immediate supervision are the business office, the personnel department, food service, farm and engineering divisions, and also the fire and police departments,

the laundry and linen control and the garage. His excellent summary of these operations is presented below.

Business Office

The business office continued under the direct supervision of Robert A. Lowery, treasurer and assistant business manager, who has completed forty-four years of very efficient and faithful service. His vast experience has been of great help to the business manager and he is at present supervising purchases, the culinary department, stores department, the laundry and linen room service. In addition, he is in close contact with both the Service Unit and the Duct Store.

Mr. Lowery, as treasurer, reported collections for the past year of \$3,196,363.95, as compared with last year's receipts of \$3,062,481.50.

Mr. Peter Glenn, supervising accountant, is assisting Mr. Lowery in all phases of business administration and has direct supervision over the accounting office.

We are extremely sorry to report the death of Mr. Thomas C. Tighe, institutional collector who died on January 30, 1954, as the result of an automobile accident. His position has been filled by Mr. Raymond E. Clawson.

Institutional Collector

Our former institutional collector, Mr. Thomas C. Tighe, who covered the period from July 1, 1953, to January 30, 1954, and our present collector, Mr. Raymond E. Clawson, who covered the period from March 1954 to June 1954, made 303 visits to county adjusters; 636 cases were closed and 839 interviews were made. They also handled 100 amended orders, resulting in receipts of \$51,015.83, and made collections amounting to \$127,886.60.

The excellent cooperation and fine relationship which Mr. Tighe had built up with the various county adjusters was carried on by Mr. Clawson with the exceptionally fine results reported.

Personnel

The personnel department continued under the direct supervision of Mr. Richard E. Winans, assisted by Mr. Karl Marx, Mr. William Loeber and Mr. William Knowles.

During the year a total of 5,466 recruitment transactions were made by the interviewing staff. This figure included 2,959 personal interviews and 2,507 inquiries handled by correspondence and telephone. A total of 1,362 employees were hired during the year. The employ-

ment enrollment increased from 1,558 as of June 30, 1953, to 1,561 as of June 30, 1954, an increase of only 3. Actually, however, there was a gain of 106 full-time personnel, while 103 part-time attendants were dropped as of May 1954. Due to the shortage of professional nurses, we still have 19 part-time graduate nurses in our employ.

Police

Our police department continued under the direct supervision of Sgt. John R. Miller of the State Police, who is assigned to our institution as chief security officer. Under Sgt. Miller we have a foreman watchman and 18 institutional patrolmen, 2 on temporary status. Three of these men are regularly engaged in a building security patrol of the Main, Dormitory and Tuberculosis Buildings and outlying areas. This patrol is made on foot and with the aid of Detecto time clocks. The hospital garage is also covered by a member of the police department between the hours of 6:00 p. m. and 6:00 a. m., taking care of any emergency transportation and handling all ambulance and morgue calls while on tour of duty.

The institution has its own police radio system which is federally licensed and operates under the call letters KEB635. Our system is on the same frequency as that of the Morris County police radio system KEC223, which allows us to contact any one of thirty-three neighboring police departments and to have alarms sent out from the central dispatcher as the necessity arises.

During the past year our police department was taken into the New Jersey State Police Benevolent Association and is known as the Grey-stone Park Police Local No. 113.

Our police department handled many criminal and motor vehicle investigations during the year. Nine arrests were made under the Criminal Statutes and 67 arrests were made for motor vehicle and traffic accidents.

Our civil defense department continued to function at our police headquarters' location. On June 14, 1954, we took part in a nationwide trial air raid with an estimated effectiveness of 95 per cent.

Fire Prevention

The fire department continued under the direct supervision of Mr. Charles H. Acker, assisted by 2 assistant institutional fire chiefs, Mr. E. John Eick and Mr. Frank Y. Neer; also, three institutional truck drivers, Mr. Paul Horning, Mr. Robert K. Wright and Mr. Thomas A. Reardon,

which brings our paid fire department up to the standard requested by the Fire Underwriters. In addition, we have 56 employees who serve at their pleasure and constitute a volunteer department.

Our motorized equipment consists of one 750-gallon-per-minute triple combination pumping engine Ward La-France, one Barton Chevrolet 500-gallon-per-minute triple combination pumping engine and one 85-foot American aerial ladder truck; also, a one-half ton Ford pick-up truck. The old Ahrens-Fox pumper (vintage 1924) was taken out of active service in February 1954 as we found it was no longer dependable even as a reserve unit.

Semi-monthly fire drills were conducted for paid and volunteer firemen on hospital time, and special drills were conducted frequently after hours with outside companies participating. Members of the department have attended many of the monthly sessions sponsored by the Morris County Fire School. Nine members of the fire department completed thirty hours of practical training at the New Haven, Connecticut, Technical Training School. The New Jersey State Fire Chiefs' annual meeting was held in October in the chapel hall with approximately 200 in attendance.

During the month of June, 1954, wider door openings were installed in the apparatus room of fire headquarters. The Fire Department Association has continued to hold monthly meetings throughout the year with a marked increase in attendance of new members.

During the year there were 11 general alarms, 2 false general alarms, 44 still alarms, one sprinkler alarm and 3 mutual aid calls for fires located off hospital property, in addition to 44 investigations made of extinguished fires.

Garage

The main garage continued under the supervision of Mr. William Walton, Jr., who is responsible for the maintenance and operation of our 76 licensed units, including cars operated by the social service department and the Northern New Jersey Mental Hygiene Clinics. In addition to the work done by Mr. Walton and his department, many of the trucks and tractors were serviced at a garage located at the rear of our greenhouses and we are very proud of both the appearance and operating condition of our units.

Laundry

Our laundry department continued under the supervision of Mr. Floyd Evans and handled approximately 7,679,857 pieces. During the

year we received three new high-speed tumblers, a fully automatic unloading 96-inch American washer, two 60-inch American extractors and a folding machine for one of our eight roll mangles. With the installation of this equipment we have been able to keep up with the great demand placed on the laundry by the increased patient and employee population.

A new addition to the laundry is now under construction, which will be 112 feet wide by 40 feet deep and will be divided into a large sorting room and a smaller sorting room to accommodate the Tuberculosis Building laundry; also, a mattress sterilizer now installed in the Clinic Building will be moved into this addition within the next few months. This will remove the odor problem that now exists throughout that building when mattresses are being sterilized.

Building Maintenance

Mr. William G. Beucler has continued to supervise the general maintenance and housekeeping control together with the general supervision of the mattress shop, bed shop, repair shop and tailor shop.

Mrs. Alma K. Rose continued as head housekeeper and supervised the general housekeeping throughout the employees' residence areas.

The central linen rooms remained under the supervision of Mrs. Gertrude Carr, and there has been a noticeable improvement in the handling and supply of linens during this past year. We have two central linen rooms, one in the Main Building, which takes care of the 3,000 patients located therein, and the other linen room is in the Dormitory Building, which cares for approximately 2,000 patients housed in the Dormitory Building proper, Units A and B, the temporary senile building, and approximately 600 Tuberculosis Building patients housed in Pavilions I and II. The third central linen room will be located in the Clinic Building and will handle the linens for both the Reception and Clinic Buildings and should be established as soon as the mattress sterilizer has been moved to the laundry addition.

Mr. William T. Barry, foreman upholsterer, continued as supervisor of this department and, in addition to the manufacture and repair of mattresses and pillows, took care of all the upholstering and rug work and miscellaneous flooring jobs throughout the institution.

Mr. Frank DePrimo, head tailor, continued to supervise the work of the tailor shop.

Food Service

The food service department continued operations for the past

fiscal year under the direct supervision of Mr. Richard R. Gessner, acting food service supervisor in the absence of Mr. William Walton, Sr., who has been on sick leave since March 19, 1953. Mr. Gessner has been assisted by Mr. John Hauryluke, assistant food service supervisor, who is in charge of all dining room services, Mrs. Alma C. Teeter, assistant food service supervisor, who is our administrative dietitian, and Miss Rosemary F. Kramp, dietitian, who is in charge of special diets and is assistant to Mrs. Teeter. Mrs. Teeter joined the department in December 1953, replacing Miss Yvonne VanMarter, who resigned in August 1953, due to illness. Mrs. Teeter is a member of the American Dietetic Association and comes to us with an exceptionally broad knowledge of institution and food management. On September 1, 1953, Mr. Milton Vreeland joined the department to fill the newly-created position of sanitarian. He was formerly employed as an inspector on the staff of the Paterson, New Jersey, Board of Health.

During November of 1953 a sanitation course was conducted here for all of the food service supervisory personnel by the district health officer, Mr. Harry Nicholas.

Considerable new equipment was received during the year, which has greatly increased the efficiency and sanitary facilities for the preparation of food.

The diet kitchen continued under the supervision of Miss Rosemary F. Kramp, dietitian. There were 723 different patients in the Reception, Clinic and Tuberculosis Buildings who received special therapeutic diets. In addition, regular, soft and special diets were served to the employees' infirmary. Approximately 40,515 special trays were served to the Reception Building, 78,840 to the Clinic Building, 4,015 to the Tuberculosis Building, and 15,330 to the employees' infirmary.

Butcher Shop

The butcher shop continued under the supervision of Mr. Joseph Feldenzer, head butcher, who handled the butchering of hogs and cattle from our farm department. During the year 1,168,248 pounds of meat was prepared for patient and employee consumption. Our institution butcher shop preserved 17,021 pounds of beef, 127,757 pounds of pork, 157 pounds of veal, and dressed 5,136 pounds of chicken from our own stock. In addition, we were most fortunate in obtaining from federal surplus 79,397 pounds of frozen ground beef and 145,052 pounds of canned beef and gravy, which greatly helped to vary our menus and stay within our appropriation for food.

Mr. William Dalhoff, head baker, continued in charge of the bakery, and produced 660,559 loaves of bread and, in addition, baked many cakes, rolls, cookies and pies.

During the year the kitchens continued under the direct supervision of the following head cooks: Employees' cafeteria, Mr. Carl Newman and Mr. Raymond Kryzanowski; main kitchen, Mr. Ford Hollis and Mr. William Taylor; dormitory kitchen, Mr. Harry Pengilly and Mr. John Evans; nurses' kitchen, Mr. Harry Warner, and diet kitchen, Mrs. Laura Stull.

Farm

Mr. James B. Stuart, farm supervisor, continued in charge of all branches of our farm department. Considerable improvement was observed in the departments under his supervision.

Mr. Hugh McLellan, head dairyman, reported that our herd, consisting of 362 animals, produced 1,018,418 quarts of milk which, together with other produce from the dairy, had a total value of \$115,922.96. Our milk production was 62,895 quarts above last year's figures. The average production per cow increased from 9,855 pounds of milk last year to 10,135 pounds of milk per cow this year and from 346.2 pounds of butterfat last year to 355 pounds this year. The general sanitary condition throughout the dairy was greatly improved during the past year.

We are sorry to report that Mr. Pearson F. Havens, our head farmer, passed away on September 7, 1953, after rendering twenty years of very efficient service to the state, and the farm department was therefore run under the direct supervision of Mr. Stuart, assisted by Mr. Paul Bangiola. Our farm produced a total of 13,338 tons of alfalfa for a value of \$9,970.40.

Mr. Howard Hoffman continued in charge of our piggery. This year a total of 476 hogs were slaughtered, compared with 340 hogs slaughtered in 1953; a total of 126,039 pounds of pork was dressed, as compared with 98,604 for 1953. The total value of products produced by the piggery for 1954 amounted to \$38,225.70, as compared with \$30,112.20 for 1953. We feel that the vast improvement in our piggery is the result of improved feeding and breeding program, and it is notable that our sows produced an average of eight-plus per farrowing.

Our poultry plant was under the supervision of Mr. Dudley Milner until May 25, 1954. At the present time it is under the temporary supervision of Mr. Alfred Garretson. We are proud to report that

383,608 eggs were produced this year, as compared with 321,936 eggs last year. The total value of produce from our poultry plant amounted to \$18,163.07, as compared with \$16,834.16 for 1953. Our poultry census at the end of this year was 4,005, as compared with 3,175 for last year. The average production per hen was 224.9 eggs, as compared with 213 for 1953. During the year several new shelters were erected and a new range area developed, which we feel greatly aided in the improvements as indicated in this report.

Our garden department remained under the supervision of Mr. John Zeis. This department supplied fresh vegetables for use at the various cottages and kitchens throughout the institution, which were valued at \$30,230.43, as compared to last year's production of \$27,248.58. You will note that there has been an increase of approximately 10 per cent in this department. The net value of all farm produce amounted to \$222,267.10, as compared with \$215,416.56 for the same period last year, an increase of \$6,850.54.

The greenhouse and grounds department remained under the direct supervision of Mr. Britton Koch, who not only has charge of maintaining and landscaping the grounds of the institution, but has charge of the greenhouse, concrete block plant, saw mill and railroad repair departments.

The saw mill produced over 47,968 board feet of lumber, valued at \$9,598.24, as compared with 39,000 board feet of lumber, and a total value of \$7,875.23 last year. We also produced during the year 35,587 cinder blocks; 11,976 were used for various projects throughout the institution. The value of these blocks was estimated at \$1,958.20.

Mr. Matthew Casey has brought our tracks to better condition than they have been in many years. Mr. Michael Darby has continued responsible for the unloading of coal for our use in the power plant. Mr. Gus Salvesen, in charge of all trucking and hauling projects, reports that the long-distance hauling trucks made 529 trips for a total mileage of 41,097 miles. During the year 6,200 yards of ashes were donated to the road departments of adjacent towns and counties and for use by the State Highway Department, while 1,750 yards of ashes were used by the institution for sanding purposes.

The extermination department continued under the supervision of Mr. Frank Roberts, with a very satisfactory control of various pests. In addition, Mr. Roberts has had supervision over the salvage yard and has done a very fine job in utilizing the men of his department in various improvement projects throughout the institution.

Storehouse

Our stores department was under the supervision of Mr. John Delaney until his death November 24, 1953, at which time Mr. Lloyd Henion, storekeeper, was placed in charge. Mr. Henion is responsible for the handling of all materials received at the institution.

Engineering

The engineering department remained in charge of Mr. Henry Landesman, M. E., assisted by Mr. William Carew, assistant engineer-in-charge, who supervised the utilities, and Mr. Maurice A. Chaillet, M.E. assistant engineer-in-charge, who supervised the maintenance department,

During the year the power plant consumed 21,513 tons of coal and 1,352,841 gallons of fuel oil to produce all the steam necessary for heating and to generate 2,491,188 K. W. H. In addition, we purchased 2,801,300 K. W. H. from the Jersey Central Power and Light Company.

A total of 317,739,000 gallons of water was pumped during the past year, as compared with 201,802,000 gallons pumped during 1953; however our total consumption of water amounted to 456,476,000 gallons, as compared with 457,752,000 gallons last year. This would indicate a slight decrease in the amount of water consumed but, due to the very dry season, you will note that many more gallons of water were pumped. Water is still the critical problem and this was especially true in October when our Klondike reservoir dropped eleven feet, the upper garden reservoir eight feet, and the ice pond reservoir five feet. At that time the deep well pump at the dairy failed and it was necessary for us to remove same and have the pump rebuilt. During this period it was necessary for us to purchase from the Town of Morristown 300,000 gallons of water daily. By curtailing our use of water to the maximum it was possible for us to continue until rains overcame this crisis. This year we are again faced with a shortage of water and work is now underway to construct diversion dams immediately above both the Klondike reservoir and the ice pond reservoir so that the brooks and streams in this catchment area will be fed directly into the reservoirs proper. We are also asking in this coming budget for an additional drilled well to supplement the present two deep wells located in Morris Plains, which are supplying approximately 700,000 gallons of water per day.

Our sewage disposal plant, under the direct supervision of Mr. James Long, handled 408,812,000 gallons of flow, as compared to last year's figure of 404,317,000 gallons. Our daily sewage flow was 1,120,033, as compared to last year's daily flow of 1,110,000 gallons. Work is under-

An administration building located near the entrance to our institution grounds, properly designed for all administrative offices, is requested at an estimated cost of \$1,500,000. This would better house these offices and would make possible more efficient classification and treatment of patients in the area now occupied by administrative activities.

Loss of Employees by Retirement or Death

Seven employees retired during the year:

Mr. Leslie Rogers, foreman electrician, employed June 25, 1917, retired July 16, 1953.

Mr. George Arnold, assistant fire chief, employed September 1, 1935, retired August 31, 1953.

Mr. Vincent Manuelian, assistant cook, employed January 1, 1944, retired February 21, 1954.

Mr. Fred H. Varney, institutional laborer, employed January 3, 1930, retired April 4, 1954.

Mr. Ivan Ayers, truck driver, employed March 16, 1928, retired March 1, 1954.

Mr. Kurt Behrend, institutional charge attendant, employed October 30, 1950, retired January 1, 1954.

Mr. Arthur Stelce, plumber, employed April 15, 1921, retired May 31, 1954.

Twelve employees died during the year:

Mr. Pernell White, institutional charge attendant, employed November 13, 1949, died July 31, 1953.

Mrs. Mary E. Guerin, occupational therapist, employed January 23, 1922, died July 24, 1953.

Mr. George Chesney, institutional charge attendant, employed June 15, 1921, died August 24, 1953.

Mrs. Thelma Daniels, institutional attendant, employed May 6, 1953, died August 24, 1953.

Mr. Pearson Havens, head farmer, employed March 9, 1933, died September 7, 1953.

Mr. Frederick Moore, institutional repairman, employed May 27, 1953, died September 18, 1953.

Mr. John Delaney, storekeeper, employed March 19, 1927, died November 30, 1953.

Mr. August Wormcke, storekeeper, employed July 4, 1937, died January 5, 1954.

Mr. Everett Davis, institutional charge attendant, employed August 10, 1948, died January 27, 1954.

Mr. Thomas Tighe, institutional collector, employed August 11, 1947, died January 30, 1954.

Mr. Charles McGroarty, mechanic helper, employed January 18, 1954, died February 6, 1954.

Mr. Erhard Persson, graduate nurse, employed June 20, 1930, died June 15, 1954.

Distinguished Visitors

Genuine interest in the operation of our hospital and the care and treatment of the mentally ill has been evidenced through the many visits made by individuals and groups during the past year.

The clergy in the community were frequent visitors, and this past year the Council for Clinical Training sent their largest number of representatives yet received by us, as well as visitors from neighboring states and from abroad.

Our Board of Consultants maintained an active interest; Dr. Fred A. Mettler made frequent visits in connection with our residency training program; Dr. Stuart Z. Hawkes visited regularly and consulted with the staff on surgical matters; and Dr. George H. Lathrope on internal medicine.

Various interested officials of the state, county and local community were welcomed. Local newspapers and photographers made many visits to our hospital and the stimulated interest of the general public as well as the favorable publicity are greatly appreciated.

Commissioner Bates, the chiefs of the various Bureaus and members of the Central Office in Trenton came frequently throughout the year and were most cooperative and helpful in our efforts to provide the best possible care and treatment for our patients. Representatives of the Civil Service Commission and the Budget Bureau have come to the hospital to learn of our needs and have been of great assistance in providing for the patients' comfort and welfare. Mrs. Martha L. Trainor has continued to give valuable guidance in nursing problems.

The Honorable Reeve Schley, Mr. Carroll Merritt and Mr. Barklie Henry of the State Board of Control visited during the year and we sincerely appreciate their generous help.

A deep interest in the affairs of the hospital brought the members of our Board of Managers to us frequently throughout the year, in ad-

dition to their attendance at the regular meetings of the Board.

Acknowledgments

The many thoughtful and useful gifts received during the year from friends of the hospital have been acknowledged by personal letter and also in the columns of our monthly magazine *The Psychogram*. The Greystone Park Association have also received generous donations from individuals and groups which were acknowledged by the Association.

Conclusion

The past year has probably shown the highest degree of overcrowding which this institution will witness, since we look forward to some relief when the fourth mental hospital is opened this coming year. We have succeeded in maintaining an excellent treatment program in spite of this overcrowding and we have had the wholehearted cooperation of the medical and nursing staff as well as the employees in the other departments of the hospital. I wish to express my appreciation particularly to Dr. Collins and his assistants for maintaining this high standard of clinical work and to Mr. Neal for his loyal devotion to the hospital in the arduous duties of maintaining and operating an institution of this size. Dr. Gebirtig, my assistant, has been directly responsible for the operation of the extra-mural activities of the hospital and has assisted me in many other ways. I am deeply appreciative of the continued support and untiring efforts of the members of the Board of Managers who have on many occasions, in addition to their regular meetings, given wise counsel and guidance.

Respectfully submitted,

Orville Randall

Medical Superintendent and
Chief Executive Officer

GENERAL INFORMATION

1. Date of opening as a hospital for mental diseases.....	August 17, 1876
2. Normal capacity.....	4,290 patients
Number of patient days.....	2,402,704
3. Value of hospital property—Total.....	\$17,067,240.58
Real estate, including buildings.....	14,336,523.17
Personal property.....	2,730,717.41
Total acreage of hospital property owned (Includes grounds, farms and gardens, and sites occupied by buildings.).....	1,260
Additional acreage rented.....	93
Total acreage under cultivation during the year.....	272

ADMINISTRATIVE STAFF IN SERVICE AT END OF YEAR

	Full Time - Part Time		
	M.	W.	M. W.
Grand Total.....	835	693	19
MEDICAL ADMINISTRATION—Total.....	387	531	19
1. Superintendent and Chief Executive Officer.....	1		
2. Assistant Superintendent and Chief Executive Officer...	1		
3. Clinical Director.....	1		
4. Assistant Clinical Director.....	3		
5. Other Physicians—Total.....	29	4	
a. Ward duty—direct care of in-patients.....	24		
b. Specialists (cardiologists, roentgenologists, etc.).....	4		
c. Pathologists.....	1		
6. Dentists.....	2		
7. Dental Internes.....			
8. Pharmacists.....	4		
9. Graduate Nurses—Total.....	4	64	19
a. Supervisory or administrative duty.....		23	
b. Ward duty—direct care of in-patients.....	4	39	
c. Special duty (eye, ear, nose and throat, operating room, dental, colonics, etc.).....		2	

ADMINISTRATIVE STAFF IN SERVICE AT END OF YEAR

	Full Time - Part Time	
	M. W.	M. W.
10. Other Nurses, Psychiatric Technicians and attendants (excluding occupational therapists and 79 affiliate nurses)	290	356
a. Ward duty	290	356
b. Special duty		
11. Occupational Therapists and Assistants	15	25
a. Professional	9	16
b. Occupational Therapy Aides	6	9
12. Physical education directors and teachers	3	6
13. Medical Clerks	6	53
14. Other Employees	24	18
15. Hospital Social Service - Parole Division - Total	4	5
a. Director	1	
b. Social Workers	3	5
BUSINESS ADMINISTRATION—Total	447	148
16. Business Manager	1	
17. Assistant Business Manager	1	
18. Clerical Employees including Stenographers and Bookkeepers	14	24
19. Dietitian		
20. Housekeeping Employees	31	29
21. Farm Employees	84	
22. Other Employees	316	95
MENTAL HYGIENE CLINIC—Total	1	14
a. Physicians		
1. Director		1
2. Assistant Director		
b. Director Clinic Social Workers		1
c. Psychologist	1	
d. Social Workers		5
e. Clerical Employees		7

FINANCIAL STATEMENT FOR THE FISCAL YEAR ENDED JUNE 30, 1954

RECEIPTS

1. Balance on hand from previous fiscal year	\$.00
2. Received from appropriations		7,063,849.85
3. Received from paying patients		
(a) Devoted to hospital use		
(b) Paid into State general fund	\$3,154,537.15	3,154,537.15
4. Received from other government sources		
(a) Federal	\$11,986.17	
(b) State		
(c) County (paid into State general fund)		
(d) City		11,986.17
5. Received from all other sources		
(a) Devoted to hospital use		
(b) Paid into the State general fund	\$41,826.80	41,826.80
6. TOTAL receipts (Sum of Items 1, 2, 3, 4, and 5)		\$10,272,199.97

DISBURSEMENTS

Expenditures for maintenance:		
7. Salaries and wages	\$4,720,775.28	
8. Provisions (food)	933,629.96	
9. Fuel, light and water	350,115.82	
10. All other expenditures for maintenance	816,341.47	
11. TOTAL expenditures for maintenance (Sum of items 7, 8, 9, and 10)		\$6,820,862.53
12. Expenditures for improvements, including new buildings, additions, permanent betterments, etc.		203,991.52
13. Expenditures for other purposes (specify) services other than personal		37,655.23
13A. Fire Loss—Compensation Awards (Extraordinary)		12,426.41
14. TOTAL expenditures (Sum of items 11, 12, and 13)		\$7,074,935.69
15. Amount returned to State treasurer or other officials		3,196,635.63
16. Balance on hand at close of year available for refund to Federal Government. Include balance for maintenance for all other purposes		628.65
17. TOTAL disbursements (Sum of items 14, 15, and 16; also equal to item 6)		10,272,199.97
18. Estimated value of consumed food raised on hospital farm		189,470.23
19. Do amounts reported above (items 8 and 18) include meals fed to staff and their families and other employees?.. Yes___No <input checked="" type="checkbox"/>		
(a) If so, how many individual meals were fed to staff, etc., during year?		
(b) If so, how many individual meals were fed to patients during year?		

MOVEMENT OF PATIENT POPULATION

	Total	Men	Women
Patients on books first day of year—Total....	7,567	3,589	3,978
Resident	6,480	3,109	3,371
In family care.....			
On visit	1,014	447	567
On temporary visit	61	23	38
Missing	12	10	2
Admissions during year—Total.....	2,133	1,063	1,070
First admissions	1,501	757	744
Readmissions.....	562	265	297
Transfers from other hospitals for mental diseases	70	41	29
Total on books during year	9,700	4,652	5,048
Discharged during year	1,116	542	574
As recovered.....	485	229	256
As improved	620	303	317
As unimproved	2	2	
As without mental disorder	9	8	1
Discharged directly from institution .	363	214	149
Discharged while on parole or otherwise absent (excluding deaths)	726	319	407
Deaths on parole or while otherwise absent from hospital	27	9	18
Transferred to other hospitals for mental diseases.....	108	92	16
Died	631	299	332
Total removed from books during year	1,855	933	922
Patients on books last day of year.....	7,845	3,719	4,126
Resident	6,719	3,203	3,516
In family care.....			
On visit.....	1,065	492	573
On temporary visit.....	45	11	34
Missing .	16	13	3
Average daily resident population	6,583.2	3,139.5	3,443.7
Average daily population on books.....	7,701	3,630	4,071
Total placements on absent status	4,254	1,977	2,277
Total returns from absent status	3,462	1,613	1,849

In addition the following were transferred from other state institutions to receive special surgical or medical care of a general hospital nature.

MOVEMENT OF PATIENT POPULATION

	Total	Men	Women
Receiving special care first day of year.....			
Admitted for special care	15		15
Discharged from special care	13		13
Transferred to regular mental population...			
Died while receiving special care.....			
Receiving special care last day of year.....	2		2
	Total	Boys	Girls
Baby Census			
Babies in hospital first day of year	1		1
Babies born during year.....	9	5	4
Babies discharged during year.....	9	4	5
Babies died.....	1	1	

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO SELECTED MENTAL DISORDERS

SELECTED MENTAL DISORDERS	Total			Under 15 yrs.		15-19 years		20-24 years		25-29 years		30-34 years		35-39 years		40-44 years		45-49 years	
	T.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.
TOTAL	1501	757	744	7	6	23	18	46	35	69	72	69	72	51	62	62	63	54	55
Acute Brain Syndromes total	13	6	7							1	1	1		4	4	1	1	1	
Alcoholic intoxication	7	4	3							1				2	2	1	1		
All other conditions	6	2	4									1	1	2	2			1	
Chronic Brain Syndromes, total	680	384	296				1	5	1	7	2	8		10	4	24	10	25	9
Meningoencephalitis and other CNS syp.	16	10	6											1	1	3	1		3
Cerebral arterio. and senile brain diseases	499	246	253											1	2	1	3		
Alcoholic intoxication	112	92	20					1		3	1	5		7	1	16	6	20	4
All other conditions	53	36	17				1	4	1	4	1	3		2	2	3	2	2	2
Psychotic Disorders, total	652	277	375	5	2	18	7	29	30	45	63	50	58	30	45	26	45	20	43
Involutional psychotic reactions	86	14	72										2	2	3	9	3	23	
Manic-depressive reactions	68	31	37			1	2	4	3	2	3	5	5	3	9	1	4	5	4
Schizophrenic reactions	354	158	196	2	2	15	5	22	21	33	53	31	43	16	25	17	24	6	8
All other conditions	144	74	70	3				3	6	10	7	14	8	11	8	8	6	8	
Psychoneurotic reactions	55	33	22			2	1	4	1	6	2	6	7	3	6	8	3	4	1
Personality Disorders with Psychosis	53	36	17			1	1	2	5	6	3	4	6	5	2	1	2	3	1
Transient Situational Personality Disturb.	10	4	6	1		1	1									1	1		
Mental Deficiency, with Psychosis	35	17	18	1	2	3	5	3	3	4			1	3	1	2	1		1
Without Mental Disorder																			
Mental Disorder, Undiagnosed Psychosis	3		3		1		1				1								

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO SELECTED MENTAL DISORDERS (Continued)

[illegible]

AGE OF READMISSIONS CLASSIFIED WITH REFERENCE TO SELECTED MENTAL DISORDERS

[illegible]

AGE OF READMISSIONS CLASSIFIED WITH REFERENCE TO SELECTED MENTAL DISORDERS (Continued)

[illegible]

COLOR OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO SELECTED MENTAL DISORDERS

MENTAL DISORDERS	TOTAL			WHITE			NON-WHITE		
	T	M	F	T	M	F	T	M	F
TOTAL	1501	757	744	1311	664	647	190	93	97
Acute Brain Syndromes, total.....	13	6	7	11	4	7	2	2	
Alcoholic intoxication	7	4	3	6	3	3	1	1	
All other conditions.....	6	2	4	5	1	4	1	1	
Chronic Brain Syndromes, total.....	680	384	296	610	350	260	70	34	36
CNS syphilis	16	10	6	7	5	2	9	5	4
CAS and senile brain disease	500	246	254	465	235	230	35	11	24
Alcoholic intoxication	112	92	20	94	80	14	18	12	6
All other conditions	52	36	16	44	30	14	8	6	2
Psychotic Disorders, total.....	652	277	375	552	230	322	100	47	53
Involutional psychotic reactions.....	86	14	72	81	14	67	5		5
Manic-depressive reactions.....	69	32	37	64	30	34	5	2	3
Schizophrenic reactions.....	354	158	196	284	123	161	70	35	35
All other conditions	143	73	70	123	63	60	20	10	10
Psychoneurotic Reactions.....	55	33	22	54	32	22	1	1	
Personality Disorders	53	36	17	45	31	14	8	5	3
Transient Situational Personality Disturb.....	10	4	6	9	4	5	1		1
Mental Deficiency, with Psychosis.....	35	17	18	29	13	16	6	4	2
Without Mental Disorder.....									
Mental Disorder, Undiagnosed Psychosis.....	3		3	1		1	2		2

DISCHARGES BY MENTAL DISORDER, SEX AND CONDITION
CONDITION ON DISCHARGE

MENTAL DISORDERS	Total	Total Discharges		Recovered		Improved		Unimproved		Without M D	
		M	W	M	W	M	W	M	W	M	W
TOTAL	1116	542	574	229	256	303	317	2		8	1
Acute Brain Syndromes.	36	27	9	25	8	2	1				
Alcoholic intoxication	34	26	8	24	7	2	1				
All other conditions..	2	1	1	1	1						
Chronic Br. Syndromes.	200	121	79	99	62	21	17			1	
Meningo & other CNS	10	4	6	2	4	2	2				
CAS & Senile Br. Dis.	92	44	48	34	36	9	12			1	
Alcoholic intoxication	64	51	13	48	12	3	1				
All other conditions..	34	22	12	15	10	7	2				
Psychotic Disorders	684	275	409	62	149	212	260	1			
Involutional	102	19	83	14	53	5	30				
Manic Depressive	127	40	87	25	60	15	27				
Schizophrenic	339	163	176	6	10	156	166	1			
All other conditions..	116	53	63	17	26	36	37				
Psychophysiologic Auto- nomic & Visc. Dis.	1	1		1							
Psychoneurotic Reactions	87	52	35	9	2	43	33				
Personality Disorders...	78	55	23	27	20	21	3	1		6	
Transient Situational Personality Dis....	1		1		1						
Mental Deficiency with Psychosis	29	11	18	6	14	4	3			1	1

MENTAL DISORDER

TOTAL	1501	1310	191	562	406	156
Acute Brain Syndromes, total.....	13	11	2	6	2	4
Alcoholic intoxication.....	7	5	2	4	1	3
All other conditions.....	6	6		2	1	
Chronic Brain Syndromes, total....	680	630	50	99	68	31
CNS syphilis	16	16		9	6	3
CAS and senile brain disease...	500	484	16	39	32	7
Alcoholic intoxication.....	112	82	30	34	15	19
All other conditions.....	52	48	4	17	15	2
Psychotic Disorders, total.....	652	563	89	382	290	92
Involutional psychotic reactions	86	69	17	53	39	14
Manic-depressive reactions	69	62	7	78	55	23
Schizophrenic reactions.....	354	316	38	224	180	44
All other conditions.....	143	116	27	27	16	11
Psychoneurotic Reactions.....	55	20	35	24	6	18
Personality Disorders.....	53	41	12	29	20	9
Transient Situational Personality Disturbances.....	10	10		1	1	
Mental Deficiency, with Psychosis....	35	32	3	21	19	2
Without Mental Disorder.....						
Mental Disorder, Undiagnosed Psychosis.....	3	3				

CAUSE OF DEATH BY SELECTED MENTAL DISORDER

	TOTAL			CHRONIC BRAIN SYNDROME ASSOCIATED WITH									MANIC DEPRESSIVE REACTION			SCHIZOPHRENIC REACTION			ALL OTHER MENTAL DISORDERS		
				MENINGOENCEPH. & OTHER CNS SYPHILIS			CERE. ARTERIO. & OTHER SENILE BRAIN DISEASE			ALCOHOLIC INTOXICATION			T	M	F	T	M	F	T	M	F
TOTAL	631	299	332	13	10	3	439	211	228	12	9	3	11	3	8	79	40	39	77	26	51
Tuberculosis																					
Pulmonary	8	6	2				2	2								4	3	1	2	1	1
Syphilis (all forms) ..	3	1	2	3	1	2															
Cancer (all forms) ..	30	14	16	1	1		7	4	3				2		2	13	6	7	7	3	4
Diabetes mellitus ..							1	1	1										1	1	
Cerebral Hemorrhage.....	55	18	37				37	10	27	1		1				10	6	4	7	2	5
Cerebral embolism and thrombosis ..																					
Arteriosclerotic heart disease including corn'y dia.	348	173	175	6	5	1	253	131	122	4	4		8	2	6	41	19	22	36	12	24
General arteriosclerosis ...	16	6	10				16	6	10												
Pneumonia, lobar...	1	1					1	1													
Pneumonia, broncho	145	70	75	3	3		111	53	58	2	1	1	1	1	1	10	5	5	18	7	11
Nephritis (all forms)																					
Suicides	1	1																			
All other causes ...	23	8	15				12	4	8										7	1	6
Violent Death	1	1								1	1	1				1	1				

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