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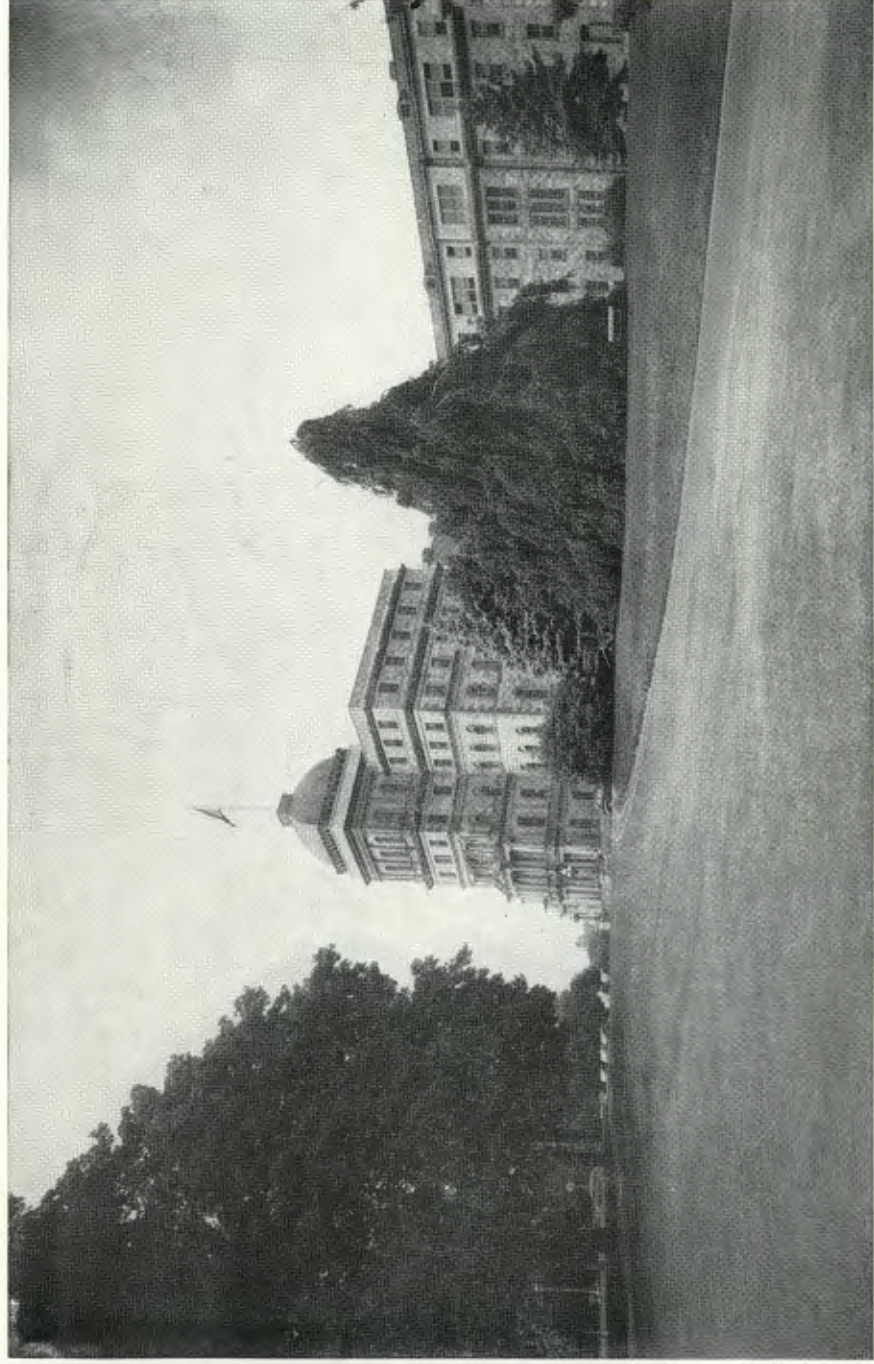
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Annual Report
OF THE
Managers and Officers
OF THE
New Jersey State Hospital
At Greystone Park

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GOVERNMENT BUILDING



ADMINISTRATION BUILDING

THE
SEVENTY-SIXTH ANNUAL REPORT
OF THE
MANAGERS AND OFFICERS
OF THE
NEW JERSEY STATE HOSPITAL

AT
GREYSTONE PARK

FOR THE YEAR ENDED JUNE 30

1951

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HARRISON S. MARTLAND, M. D.	Pathology
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J. LAWRENCE POOL, M. D., D. M. Sc.	Neuro-Surgery
EMANUEL H. FEIRING, M. D.	Neuro-Surgery

This Hospital is approved by the
AMERICAN COLLEGE OF SURGEONS
THE AMERICAN MEDICAL ASSOCIATION
and the
AMERICAN HOSPITAL ASSOCIATION

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†PERCY R. CRANE, M. D.	Senior Resident Physician
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†JOHN HOWARD, M. D.	Resident Physician
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RICHARD E. WINANS.	Personnel Director
WILLIAM G. BEUCLER.	Building Service Supervisor
KEITH KEIDEL, A. B., B. D.	Resident Chaplain
JENNIE BERMAN, M. S. W.	Director of Hospital Psychiatric Social Service
MARGARET DeVRIES	Director of Occupational Therapy
DOROTHY E. JOHNSON.	Supervisor of Recreation
PHILIP B. ROBERTS, Ph. G.	Pharmacist-in-Charge
LOUIS BANGERT, Ph. G.	Pharmacist
GEORGE H. ROWLAND, Ph. G.	Pharmacist
*EDWARD I. COURSEN.	Farm Supervisor
JAMES B. STUART	Farm Supervisor
HENRY E. LANDESMAN, M. E.	Engineer-in-Charge
†EARL W. FULLER, M. D.	Director of Mental Hygiene Clinic
THEODORE GEBIRTIG, M. D.	Acting Director of Mental Hygiene Clinic
MILDRED H. HURLEY.	Director of Mental Hygiene Clinic Social Service

*Retired

†Resigned

†Deceased

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
Research	14
Health	15
Statistical Resume	15
Clinical Work	19
Shock Therapy	22
Surgery	23
Urology and Proctology	23
Dentistry	24
Eye, Ear, Nose and Throat Department	24
Pathology and Bacteriology	24
Roentgenology and Electrotherapy	25
Tuberculosis	26
Health Service for Employees	26
Occupational Therapy	26
Curative Workrooms	27
Recreation	28
Social Service	29
Mental Hygiene Clinics	30
School of Nursing and Nursing Service	31
Barber Shops	34
Library	35
Religious Services	36
Greystone Park Association	36
Pharmacy	37
Photography	37
Personnel	37
Building Maintenance	38
Business Department	38
Recommendations	51
Loss of Employees by Retirement or Death	52
Distinguished Visitors	53
Acknowledgments	53
Staff Matters	54
Appointments, Promotions and Resignations	55
Conclusion	56
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-sixth report, together with the report of Dr. Archie Crandell, Medical Superintendent and Chief Executive officer, for the fiscal year ended June 30, 1951.

Dr. Archie Crandell, as Medical Superintendant and Chief Executive Officer, completed his first year as head of the largest institution in the State of New Jersey and we are pleased to announce that Dr. Crandell has undertaken the many duties of his position with energy and success. He has carried out the routine work of the institution in a manner deserving of commendation and has gradually brought about changes for the betterment of the hospital. We approve of his outline plans and propositions for the coming year and feel that this hospital has a promising future under the direction of Dr. Crandell.

On July 1, 1950, there were on the hospital books 6,972 patients, 3,295 men and 3,677 women. On June 30, 1951, there were on the books 7,194 patients, 3,350 men and 3,844 women, an increase of 222 patients made up of 55 men and 167 women. There were 6,175 patients actually resident in the hospital, 2,965 men and 3,210 women; 1,019 were out of the hospital on visit, temporary visit or missing; during the year there were admitted 2,016 patients, including 1,980 regular patients, and 36 sent in for special care. The discharges numbered 1,103 regular patients, 15 discharged from special care, and one special case died. Of those regularly discharged, 449 were recovered, 591 improved, 8 unimproved, and 55 without psychosis. During the year 73 were transferred to other hospitals for mental disease. The deaths numbered 602 and the total under care was 8,947 patients. The recovery rate was 31.4 per cent and the improved 41.3 per cent based on the number of first admissions which was 1,431.

Twelve regular meetings of the Board were held during the year with an attendance of 64. Special meetings, conferences, committee meetings and visits numbered 131, which made 195 recorded trips to the hospital by Board members. In addition, there were conferences held off the grounds or outside of office hours not listed in the official records.

Doctor O'Hanlon and Mr. Evans had a perfect attendance record, while Mr. Abell and Mrs. Johnson were absent only once. Mrs. Leary attended 10 regular meetings and Mr. Moseley attended 8. Mr. Cox was ill during the entire year and unable to attend meetings.

Mr. Howard J. Cox retired as a member of this Board effective June 30, 1951, and during the time his health permitted him to visit the hospital, he manifested tremendous interest in the activities; and we sincerely regret that he could not continue with us.

Mr. William E. Littlefield was appointed to this Board as of July, 1951, and he has already shown an interest in the work here which should make him a valued member of this Board.

We have carefully reviewed the report submitted to us by Dr. Crandell and his comments and recommendations are for the betterment of the institution and have the endorsement of the Board.

The Board feels, Commissioner Bates, that you have again responded to our requests insofar as it was possible and we thoroughly appreciate this cooperation.

We also express our appreciation to Dr. Crandell, Dr. Collins, Dr. Gebertig, Mr. Neal, and all the co-workers for service rendered the patients and the hospital during the year.

Respectfully submitted,

GEORGE O'HANLON, M. D., *President*

FRANK D. ABELL, *Vice-President*

FREDERICK S. MOSELEY, JR.

RUTH STILES JOHNSON

SCRIVEN S. EVANS, JR.

HOWARD J. COX

MARGARET B. LEARY

Treasurer's Report of Cash Receipts and Disbursements for the Fiscal Year Ended June 30, 1951

RECEIPTS

From Atlantic County	\$ 74.40
" Bergen County	433,530.75
" Burlington County	575.95
" Camden County	998.82
" Cumberland County	459.99
" Essex County	612,744.24
" Hudson County	193,257.62
" Hunterdon County	2,122.98
" Mercer County	1,545.76
" Middlesex County	8,034.97
" Monmouth County	4,833.46
" Morris County	181,269.41
" Ocean County	1,619.23
" Passaic County	491,632.03
" Salem County	448.57
" Somerset County	4,895.65
" Sussex County	28,629.44
" Union County	37,843.76
" Warren County	2,150.35
" Non-Indigent Patients	307,541.13
" State Contributing Patients	21,761.24
" Excess Maintenance Collected by Counties	51,591.91
" Miscellaneous Receipts	23,682.95
	<u>\$ 2,411,244.61</u>

DISBURSEMENTS

Amount of Collections deposited with State Treasurer	\$ 2,411,244.61
AMOUNTS RECEIVED FROM STATE TREASURER FOR PAY-ROLLS	
Construction	33,349.68
Officers and Employees	2,181,891.81
	<u>\$ 2,215,241.49</u>

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	4,822,528

Report of the Chief Executive Officer

To The Board Of Managers:

Herewith is presented the seventy-sixth annual report of The New Jersey State Hospital at Greystone Park, which covers the fiscal year from July 1, 1950, to June 30, 1951. It includes the reports of the various medical specialties and the different departments, considerably condensed, as well as the report of the Business Manager. It covers my first complete year as Medical Superintendent and Chief Executive Officer, although it is the second annual report I have presented to you.

The marked overcrowding, which has hampered our activities for many years, has continued and even increased. We have again exceeded our last year's admission rate, the highest in the history of the hospital, and we have had no additional building or any additional bed space provided, so that the problem of adequate study, classification and treatment continues to be a most difficult one. During the year the resident population reached 6,184 and at the close of the year was 6,175.

The campaign for the Bond Issue, which was supported heartily by all the officers of the institution, resulted in a greater education of the public to the mental health needs of the State, and was an excellent factor in promoting public relations. These contacts with the public have been continued during the year both by personal talks to various service organizations and other interested groups and by informative material in the press. However, the menaces of fire and overcrowding, on which the campaign was waged, are still a very present threat to the hospital since, due to various administrative difficulties, the hospital's share of the Bond Issue money has not yet resulted in actual building activity. However, plans have been prepared, and it is anticipated that during the coming year construction can be pushed vigorously, provided no difficulties develop in regard to critical materials or labor shortages.

The educational activities at the hospital were continued during the year under the Clinical Director, and consisted of the training of resident physicians in psychiatry; clinical training of theological students, conducted under the direct supervision of the Resident Chaplain; and the

affiliate nursing school, which furnished training in psychiatric nursing, a subject now required for State Board licensure by the new laws. The psychiatric technician training program was continued, being conducted according to the uniform state-wide curriculum set by the Department. The 40-hour training course for new hospital attendants was also conducted, as the personnel situation made it possible, and other educational work was carried out in the community by members of the hospital and mental hygiene staff, who gave freely of their time to address various service clubs and organizations. Due to shortage of personnel, the affiliation with Smith College for training of psychiatric social work students was again omitted. However, informal talks were conducted with Adelphi College, looking toward the training of some of their students by the hospital department of social service.

It is worthy of note that in spite of the extreme overcrowding, with the greatest number of admissions in the history of the hospital, the largest resident population and highest census, we were able to maintain an excellent rate of recovery and improvement. Complete details will be found in the Statistical Resume. There were 2,016 admissions of all classes, 1,431 admitted for the first time to a mental hospital, and 547 classed as readmissions. All these figures are substantially higher than last year. Of the 1,106, the total discharged, 449 were considered recovered and 591 improved. There were 8 unimproved, and 58 discharged without mental disorder. Based, as is usual, on the number of first admissions, this gives a recovery rate of 31.4 per cent, compared with 32.4 per cent last year, and an improved rate of 41.3 per cent, which is 3.7 higher than was recorded last year.

Research

The research activities at the hospital have continued under the general direction of Dr. Fred A. Mettler, a member of the Board of Consultants.

Under a grant from the United States Public Health Service, MH-305 (R), with the Superintendent listed as the Principal Investigator, the work which was instituted several years ago with the cooperation of Columbia University has been continued, the specific title of Project IV being stated as "Follow-up Study of Columbia-Greystone Project Cases (Psychosurgery.)" Miss Kathleen Litten, A.B., M.A., continued in charge of the Social work on the project.

The results of the first year's research conducted by the Columbia-Greystone Associates was published last year in a book entitled "Selective Partial Ablation of the Frontal Cortex," with Fred A. Mettler, M.D., Ph.D., as editor. The work of the second year was published as "Psychosurgical Problems" by the Blakiston Company of Philadelphia, Doctor Mettler continuing as editor.

In addition to this project, the series of bilateral transorbital lobotomies was brought to a total of 150 by Doctor Kessler, assisted by Doctor Esposito, who administered the electro-shock anesthesia. This series was reported, together with the current status of the Columbia-Greystone cases, at the Annual Meeting of the Medical Society of New Jersey by Doctor Crandell and Doctor Kessler.

Health

In general, the health of both the patient population and the employees was good during the year. There was a slight rise in the number treated for upper respiratory infections during the late winter months, but the hospital was remarkably free from epidemics. The search for tuberculous individuals was continued during the year by the x-ray examination of both the newly employed and the newly admitted patients. With the cooperation of the State Department of Health, completely new x-ray equipment was installed in the Clinic Building which will not only facilitate this work but also aid in the Cancer Control Program. Physical examinations and necessary laboratory tests were performed on all applicants for employment, and those who handled food in any way were re-examined at frequent intervals. The examination of all food products delivered at the institution was continued under the supervision of the Department of Agriculture, and this resulted in the acceptance of only food products of specified quality.

There still remain six typhoid carriers, all in excellent general health, who continue to reside in an isolated hospital ward in the Main Building South area.

Statistical Resume

The responsibility for preparing and maintaining accurate statistics in a hospital of this size is indeed great, and Mr. Joseph Brown, who has been in charge of the Medical Record Office for several years, with the title of Statistical Assistant, has rendered valuable service. During the

year he was awarded the designation R.R.L., signifying his membership in the American Association of Medical Record Librarians. The statistical tables which will be found at the close of this report were prepared under his guidance, and the resume which follows here is also his work.

Two clerks have been busy throughout the year continuing the microfilming of old records, and the project has currently reached the records for October of the year 1935. The total number of case records microfilmed during the year was not as great as last year, since the records are now much more voluminous than those processed at the beginning of the project.

Mr. Leo Boulris has continued the fingerprinting of newly admitted patients and also of all applicants for employment. While the records of patients are for identification purposes only, the applicants for employment are checked with both the State and Federal records and in this manner, many undesirables are refused employment. At the end of the year there were on file 20,225 fingerprint records of patients and 7,275 fingerprint records of employees.

General Data: During the year ended June 30, 1951, there were admitted 2,016 patients—1,044 men and 972 women. This total figure is 108 more than last year. The admissions included 1,431 first admissions to any hospital for mental diseases—746 men and 685 women; and includes 23 men committed under the Sex Offenders Act (Chapter 207, Laws of 1950); 547 readmissions—281 men and 266 women; 25 transfers from other similar institutions in New Jersey—12 men and 13 women; 13 special cases—5 men and 2 women, committed for examination, study and classification under provisions of Section 2:192-1.2 Revised Statutes of 1937, and 6 women admitted for surgery from The North Jersey Training School at Totowa; the number of patients discharged, including deaths, was 1,794—951 men and 843 women—making an increase of 222 patients on the books at the close of the year.

There were under treatment during the year 8,947 patients—4,311 men and 4,636 women—which was 217 more than the preceding year. The maximum census for the year was 7,224 obtained on May 23rd and the highest number actually in the hospital at any one time was 6,184 on April 13th. The average daily number in the hospital was 6,065.8. At the close of the year 1,019 patients were out of the hospital; 999 patients—407 men and 592 women—were carried on visit or temporary visit and 20 patients—16 men and 4 women—were carried as missing.

This is an increase of 55 patients outside the institution, and of 167 actually in the hospital at the close of the year.

First Admissions: There were 1,054 patients of native birth—564 men and 490 women; the foreign born numbered 377—182 men and 195 women or 26.4 per cent of the first admissions, which is .6 less than last year. Both parents of 614 patients were also of native birth, while in 102 cases one parent was born in this country and the other was of foreign birth. Of the foreign born patients, 87 were natives of Italy, 51 of Germany, 27 of Ireland, 15 of England, 40 of Poland and 27 of Russia. These six countries furnished 65.5 per cent of the foreign born first admissions. The naturalized citizens numbered 239 and the aliens 138.

Table 6, Psychoses of First Admissions, shows 394 patients diagnosed as with Cerebral Arteriosclerosis, 314 with Dementia Precox and 91 with Manic Depressive Psychosis. These three groups furnished 55.8 per cent of the first admissions. Other psychoses showing high incidence were Senile 79; Involutional 98; Psychoneurosis 93; Psychopathic Personality 40; Psychosis due to alcohol 85 and Mental Deficiency 35.

The age tabulation, reckoned in five-year groups, shows that the median for admissions fell between the ages of 45 and 49, half of the first admissions being below this age and half above; the greatest number of admissions were listed in the four groups between 25 and 44; and included 35.8 per cent of the first admissions. Under 25 were 146 patients and 321 were 70 years of age or over.

As to the degree of education, 960 or 67. per cent had received a common school education, 363 were graduated from high school and 44 had collegiate educations; 64 were listed as having learned only to read and write.

There were 1,355 patients of urban environment or 94.7 per cent of the first admissions. The rural districts furnished 76 patients.

The economic condition of 1,246 patients or 87.1 per cent was listed as marginal, 178 dependent and 7 comfortable.

The civil condition of the first admissions was classified as follows: single 387—240 men and 147 women; married 655—345 men and 310 women; widowed 285—106 men and 179 women; separated 59—36 men and 23 women; divorced 45—19 men and 26 women.

Readmissions: The total in this group was 449—212 men and 237 women. In the classification according to psychosis, 217 were suffering

from Dementia Precox and 65 from Manic Depressive Psychosis or 62.8 per cent of the readmissions.

Discharges: The total of those regularly discharged from the care of the institution was 1,106—549 men and 557 women and includes 3 men committed under the Sex Offenders Act (Chapter 207, Laws of 1950). Of this number 449—212 men and 237 women—were considered to have recovered from their psychoses. This is 31.4 per cent based on the number of first admissions, which is 1. less than last year. Of those discharged as recovered, patients suffering from Manic Depressive Psychosis constituted 26.7 per cent or 120 patients. A total of 591—283 men and 308 women—was discharged as improved, or 41.3 per cent based on the number of first admissions, which is 3.7 more than last year. The manner of discharge of the remaining patients was as follows: Unimproved 8—7 men and 1 woman; without mental disorder 58—47 men and 11 women, which figure includes 3 men Sex Offenders. In addition to those discharged, 73 patients—65 men and 8 women—were transferred to similar institutions in New Jersey, and this figure includes 1 man Sex Offender transferred to The Trenton State Hospital; also 4 special cases—3 men and 1 woman, returned to the courts, and 1 man, who died; these were committed under provisions of Section 2:192-1.2, Revised Statutes of 1937; and 8 women, admitted from the North Jersey Training School at Totowa for surgery, were returned to that institution.

Deaths: During the year 602 patients died—333 men and 269 women. This is a rate of 6.73 per cent, based on the number under treatment, and is .6 lower than last year.

The largest single cause of death was disease of the circulatory system which was certified in 390 cases or 64.8 per cent of the total number. This is .9 higher than last year.

Syphilis was the cause of death in 9 cases; tuberculosis in 27; cancer and other tumors 18; lobar pneumonia 4 and bronchopneumonia 54.

The average age at death increased by 1.19 years over last year to the figure of 69.86. At the time of death 487 or 80.9 per cent had passed the age of 60 years which is 2.8 more than last year. Those over 70 years of age were 337. Of these, 125 were in the 80's; 13 in the 90's and 1 man reached the age of 100.

The tabulation of the duration of hospital life showed that while 127 had been in the hospital less than one month, 50 patients had a hospital

residence of 20 years and over at the time of death, and of these 36 were suffering from Dementia Precox.

Clinical Work

The professional services have continued under the active supervision of Dr. Laurence M. Collins, who has completed ten years as Clinical Director and thirty-four years as a member of the staff of this hospital. Dr. William H. Longley, Jr., as Assistant Clinical Director, has assisted in the total program, with particular responsibility for the education activities and the supervision of the hospital social service work. It is a tribute to their leadership and to the whole-hearted cooperation of the entire staff, that the high standard of professional care of the patients has been maintained throughout the year, in spite of extreme shortage of personnel and unexampled crowding of patients. The report of the Clinical Director follows:

This year the admission rate, which has been increasing steadily over the past several years, had a decided spurt which again created a new record. The total of 2,016 admissions was 108 higher than last year. There were 34 more first admissions (counting special offenders sentenced from the courts) but 106 more readmissions than in the previous year. The number of offenders sentenced for treatment under the provision of the Sex Act (Chapter 207, Laws of 1950) was 23, a 50 per cent increase over former figures. The total number of patients treated during the year was increased by 217.

There were 1,106 patients discharged; 449, or 31.4 per cent, as recovered, 591, or 41.3 per cent, as improved, and 58 as without mental disorder.

In the various diagnostic categories there was an increased number of alcoholics, the neurotic group increased somewhat, and there was a larger number of schizophrenics than last year. A slight falling off in the sclerotic and senile groups, which were abnormally high last year, and a moderate decrease in the involutional and manic depressive patients was seen. The paranoid, psychopathic personality, and mental deficiency groups were approximately the same as last year.

The number of deaths in the institution dropped to 602, 38 less than a year ago. Of these 333 were men and 269 women, constituting 6.73 per cent of our population. The average age at time of death was 69.86 years and the largest single cause of death was, as expected, with

this age category circulatory disease. There were 390 cardiac deaths which comprises 64.8 per cent of the total.

With respect to special therapies the use of streptomycin in the treatment of active tuberculosis has been made standard in this hospital, and we have become convinced of the efficiency of penicillin therapy in cases of syphilis of the central nervous system. To this end, we have discontinued the use of malaria in the treatment of this latter type of case. As has been reported from other centers, we have found it necessary to give dosages of 9 million units of penicillin divided over a 15-day period to assure satisfactory results. We have mentioned in previous reports the advantage of eliminating by this means the public health problem of 1 to 2 years chemotherapeutic treatment formerly needed. In addition to these two antibiotics the pharmacy has been maintaining a supply of aureomycin, terramycin and chloromycetin for use in appropriate cases, and moderate amounts of adrenal cortical extract and ACTH have been used. Much effort has gone into keeping the staff abreast of the latest developments in medicinal treatment.

Group psychotherapy was carried out during the year by Dr. Esposito with his post-shock patients, and by Dr. Longley, Dr. Donadeo and Dr. Boutelle, as well as by several of the psychologists under supervision of a staff psychiatrist. From the point of view of both hospital and patients the results were excellent and it has long been apparent that group therapy, with individual therapeutic interviews added where needed to the extent that limited time makes possible, should be employed to the fullest capacity of the staff.

Staff training and education have been very active in the past year. There have been regular weekly training films, lectures, case presentations, and round-table discussions. Attendance at conventions, state and local society meetings, and the monthly New York Academy lectures has been good, and regular graduate courses have been taken by Drs. Longley, Melvin, Anderson, Esposito, Fenimore, Litwin, Tritt, Muido, Perelman and Herrero. Dr. Melvin and Dr. Fenimore have been attending the Neurological Institute one day each week, since last fall, and Drs. Tritt and Perelman have started their psychoanalytic training.

Regular staff meetings have continued to be held five times each week with discharge and release on home visit having precedence on Mondays and the presentation and diagnosis of patients being considered the other four days. Affiliate nurses, psychiatric technician trainees,

psychological internes, and clinical pastoral trainees attend these meetings as part of their regular training. Monday afternoon rounds were made regularly with the Superintendent to visit all new admissions of the preceding week and assign them to members of the staff for special study and diagnosis.

Our established relationship with the Veterans Facility at Lyons has continued and several of their doctors in training have been assigned here for two-month periods for training in work with female patients. Dr. Permison, Dr. Hill, Dr. Donadeo, and Dr. Boutelle have been on temporary duty with us during the past year in this mutually satisfying arrangement. The regular rotation of psychological internes has continued as arranged through the coordination of Dr. Ellis of the Diagnostic Center, and Miss Sylvia Friedman, having completed her internship last year, has joined our permanent staff with the rating of Assistant Psychologist.

The shock therapy service directed by Dr. Esposito continued to be our busiest service. In addition to approximately 15,000 treatments given on the active wards of the service, another ten thousand treatments were administered to ambulatory patients in the Main, Dormitory and Reception buildings on both male and female wards. In spite of periodic shortages of personnel and the frequently difficult conditions for administration, treatments were accomplished regularly and efficiently and reflected the high degree of training Dr. Esposito has developed in his team. Drs. Litwin and Muido have been assigned with Dr. Esposito for training experience on this service in line with our policy of rotation to familiarize the staff with all techniques and services.

The staff has met its responsibilities with interest and energy. More experienced members of the staff have assisted our newer colleagues to get the work done smoothly. These efforts are appreciated and have been productive of good staff relationships and general high morale. Cooperation is a necessity under these circumstances and it is a pleasure to note that it has been largely spontaneous and reflects credit on each individual.

Appended is the summarized statement of the movement of non-resident and deportable cases encountered during the year:

Cases transferred to mental hospitals outside the state...	20
Cases transferred to mental hospitals within the state....	67
Cases transferred to North Jersey Training School.....	8

Cases transferred to institutions for feeble-minded.....	1
Cases deported	3
Cases transferred to Bordentown Reformatory	1
Cases handled and reported who were removed by relatives, discharged or died.....	26

Shock Therapy

As noted above, this, the most active service, has continued under the direction of Dr. Amedeo Esposito and has utilized two wards in the Clinic Building largely for combined insulin and electro-convulsive therapy.

A total of 316 patients completed a series of treatments on these wards, and 111 are currently receiving treatment. The use of metrazol has been entirely discontinued. There were 5,254 insulin treatments, and 3,266 combined treatments. These required a total of 1,479,695 units of insulin. On the shock therapy wards, treatment was completed on 165 men and 151 women; 126 men and 138 women left the hospital.

Ambulatory electroshock treatment was completed on 222 male patients in the Reception Building, 78 of whom left the hospital, 58 others being transferred to the Clinic Building for combined therapy. Treatments were given to 318 women in the Reception Building, largely under the direction of Dr. Eken. More than six thousand treatments were administered in the Main Building to chronic patients, which has helped many to make better hospital adjustment. Dr. Anderson has also been administering electroshock on her service in the Dormitory Building. The use of intocostin in selected cases has made possible electroshock in certain cases with skeletal deformities and old fractures. There were no deaths attributable to the shock treatments; two men and one woman sustained fractures of the lumbar vertebrae.

The high percentage of patients leaving the hospital shows the superiority of insulin-coma combined with electroshock in schizoid cases. Of those treated in this manner, 82 per cent of the men and 91 per cent of the women left the hospital following treatment, the great majority being diagnosed in the schizoid category.

Aside from administering electroshock as an anesthetic prior to transorbital lobotomy operations, it has been a practice to administer a minimum of six electroshock treatments to these patients following operation.

Surgery

Dr. Edward Kessler has continued in active charge of the Surgical Service, Dr. Collins acting in the capacity of Consultant and taking active charge in the absence of the attending surgeon. The fracture Service has continued very active, due to the great number of old and enfeebled patients admitted. There were 116 fractures reduced. The surgical report also shows 67 transorbital lobotomies, 6 appendectomies, 8 hernia operations, and 5 amputations for gangrene. Six patients were operated for removal of breast tumor and 4 for uterine tumors. There were 2 thyroidectomies, and among the other operations were a Caesarean section and operations for such conditions as ovarian cyst, retro-peritoneal lymphosarcoma, intestinal obstruction, foreign bodies in abdomen, lung abscess, mesenteric thrombosis, abscess of liver, and osteomyelitis.

During the year 8 babies were born alive in the hospital, 7 boys and 1 girl, and there was one stillbirth. One boy died two days after birth; the other children were removed, 5 by the State Board of Child Welfare, 1 by the father for private placement in a foster home and 1 by the social worker from the North Jersey Training School at Totowa.

There were 4 accidental deaths during the year. One man, aged forty-seven, died following a skull fracture, sustained when he fell during an epileptic seizure. Another man, aged sixty-two, died following a similar seizure which was secondary to meningo-vascular syphilis. One man, aged seventy-six, died of asphyxiation while in the bathtub, following a heart attack when he became completely immersed in the water. One man, aged thirty-two, a patient in the hospital for almost ten years, died of asphyxiation following an aspiration of rice coal in an accident while unloading a coal car. In each case the incident was thoroughly investigated by both the hospital and County authorities, and no negligence was found.

Urology and Proctology

Dr. Marshall D. Hogan in his report shows 4 prostatectomies and 11 hemorrhoidectomies performed. Under his supervision, assisted by Mr. Jack Taylor, R. N., a total of 3,528 colonic irrigations were given, 282 patients completing a series of these treatments. There were also 704 rectal examinations, 11 proctoscopic examinations, 212 catheterizations, and 5 cystoscopies.

Dentistry

Dr. William J. Byatt, Senior Resident Dentist, supervised the activities of the Dental Service, assisted by Dr. Seymour Ash, Resident Dentist. During most of the year there were also two dental internes on duty and two attendants assigned to the Dental Clinic. In the Prosthetic Laboratory Mr. Patrick DeNapoly, dental technician, assisted in his usual efficient manner.

The report of this department shows 4,954 visits to the Clinic, 1,333 patients examined and 360 intra-oral x-rays taken. There were 3,732 treatments, 714 fillings, and 2,969 extractions completed, with 325 other cases of oral surgery. Restoration included 175 full upper and lower dentures and 134 partial dentures, with 187 dentures repaired. In addition to the service on hospital patients, 186 out-patients were treated, and 11 extractions done for the Morris County Welfare House, as well as 11 dentures made and 8 repaired for the North Jersey Training School at Totowa.

Eye, Ear, Nose and Throat Department

Dr. Perry J. Gambill has continued his direction of this specialty, completing twenty-seven years on the hospital staff. In spite of his absence following an injury, his report for eight months shows 622 special examinations of employees, with 275 receiving a total of 509 treatments. There were 1,257 routine admission examinations of patients, and 1,116 special examinations, with 1,355 patients receiving a total of 2,514 treatments.

Pathology and Bacteriology

Dr. Abraham J. Gitlitz has continued his supervision of the laboratory, and new examinations of direct clinical significance have been undertaken, with new apparatus being acquired. These new procedures have resulted in an increased number of determinations, since the staff has been most cooperative and anxious to utilize the newer procedures necessary for proper diagnosis and treatment. A summary of the pathological work follows:

There were 5,696 urinalyses.

Hematology: Red blood cell count, 3,264; white blood cell count, 3,366; differential count, 1,675; hemoglobin, 3,292; examinations of malaria smears, 4; bleeding time, 73; clotting time, 73; sedimentation

rate, 398; blood typing, 2,612; Rh factor, 2,612; cross-matching, 45; prothrombin time, 33; reticulocyte count, 21; hematocrit, 4; circulating eosinophilic count, 19.

Blood chemistry: Urea nitrogen, 2,322; non-protein nitrogen, 91; creatinine, 7; sugar, 3,665; uric acid, 22; cholesterol, 19; icterus index, 25; VandenBergh, 41; glucose tolerance tests, 16; serum bromide, 8; serum chloride, 20; acid and alkaline phosphatase, 1; total protein serum tests, 8; albumin, 8; globulin, 8; cephalin cholesterol flocculation tests, 8; CO₂, 24.

Immunological tests included 3,831 each of Wassermann and Kline tests, 9 heterophiles, 1 agglutination test brucella abortus, and 1 agglutination test B typhosis, para typhosa A and para typhosa B. There were 287 examinations made of spinal fluid, and a total of 102 bacteriological cultures, 57 guinea pig inoculations, and a total of 257 smears made for microscopic examination. There were 997 pieces of tissue examined in the course of 97 autopsies; there were 309 pieces of surgical tissue examined, and there were 40 blood transfusions reported, as well as 131 feces examinations and 94 miscellaneous tests.

Roentgenology and Electrotherapy

Dr. Daniel G. Melvin has been in charge of x-ray work and electrical treatments in the Clinic Building since the retirement of Dr. George R. Hampton, who completed forty-one years and retired November 30, 1950. During the year an entirely new unit has been installed in the Clinic Building with the cooperation of the New Jersey State Board of Health and the assistance of some Federal funds. Separate equipment has been maintained in the Tuberculosis Building for the examination of patients on that service. Electro-encephalographic examinations have continued under the direction of Dr. Joseph Zigarelli in the special installation in the Reception Building.

In the Clinic Building a total of 3,611 x-ray exposures were made, 1,260 being of the maxilla and mandible, largely for the dental service, and 423 of the chest, mostly for tuberculosis survey. In addition to this, 2,027 electrotherapy treatments were given, and 124 electrocardiograms made. In the Tuberculosis Building 8,710 exposures were made, 2,636 large 14 x 17 plates and 3,745 small films, using the photo-roentgen unit. There were also 5,097 photoscopic examinations made.

Tuberculosis

Dr. Daniel G. Melvin has continued in charge of the Tuberculosis Service and has been assisted by Dr. John Ma and, for a short time, by Dr. Targownik. There were 534 patients on the service at the beginning of the year and 589 at the close; 85 men and 58 women were admitted to the service. There were 41 deaths during the year, 28 men and 13 women. Discharges from the service included 6 men and 10 women allowed to leave on visits 5 men discharged, and 16 men and 13 women transferred to other buildings. The personnel situation has continued to be an acute problem with a large turnover of employees during the year, and the continued lack of a separate kitchen unit has also hampered the proper functioning of the service.

Health Service for Employees

Dr. Joseph Donovan has continued to care for the health of employees of the hospital, both in the Out-Patient Service and on the employees' ward. He reports 1,334 physical examinations of new applicants and 131 re-examinations of food handlers. A total of 7,167 out-patient visits for examination or treatment was recorded, including 368 for affiliate student nurses and 37 for other State employees. The Employees' Ward showed 606 admissions during the year, 498 being employees and 97 affiliate students. There were 7 deaths during the year. The majority of the admissions were for upper respiratory infection.

Occupational Therapy

The Occupational Therapy Department has continued its functions essentially unchanged during the year, but much of the therapeutic work performed by patients in any mental hospital is done outside this department, and in fact a large mental hospital could not be operated with current budgets if it were not for the helpful efforts of the patients. Many of them find pleasure and enjoyment as well as real therapeutic benefit from their work in the gardens, on the farm and in connection with the kitchens, bakery, cafeteria and Service Unit, as well as helping in the housekeeping duties on their own wards, in the offices and residences of the institution.

The painting project has been continued with several of the patients who enjoy this type of work helping in the redecoration of several wards,

and one group has been quite active in painting the various small barns in the dairy group.

The Men's Arts and Crafts Shop has given occupation to many patients in a diversified manner, as will be seen from their production record, 7,043 articles being produced. This included 1,756 pieces of pottery, over 2,000 brushes and brooms of various types, over 1,200 rugs, and approximately 700 baskets of all sizes and shapes, produced from willow grown at the hospital. Aside from this, 2,700 articles were made or repaired for the hospital's own use, including many chairs and settees which were caned and repaired. There were 2,689 articles, mostly brooms and brushes, sent to the storehouse for hospital distribution.

The Women's Arts and Crafts Shop produced many articles of fancy work which found a ready sale. Their rug production included 222 of the braided variety and 143 hooked rugs, as well as 98 chair seats. The plain sewing section produced 63,842 articles, including 10,000 sheets, 5,000 pillow cases, 2,500 hand towels and a similar number of dish towels, as well as 10,000 towels of herringbone material. Articles of clothing included 6,700 gingham dresses, 5,100 night dresses, 2,500 aprons and the same number of night shirts as well as many articles for use in the operating room. One interesting project was the production of 30 gowns with accompanying collars and caps for use of the choir.

The Print Shop maintained its record of uninterrupted publication of the Psychogram, which has been produced monthly for thirty-five years without missing an issue. The Annual Report, similar to the present volume, is also printed and bound and, in addition, many of the reports, charts, forms and cards required in the operation of the institution are printed, ruled and bound by patients who prefer this type of occupation. Total productions included 2,654,433 printing impressions, 920,670 ruling impressions, as well as punching and perforating, 163,682; binding, 52,555, and padding, 26,494.

Curative Workrooms

Under the direct supervision of Mrs. Margaret C. DeVries, this division of the Occupational Therapy Department has been responsible for the classes conducted on the wards for patients who are unable to go to the regular Crafts Shop because of their mental or physical condition. Over 500 patients participated in prescribed occupational therapy under

the direction of ten therapists and two aides. Regular ward class schedule was maintained as well as a new class added on Ward 17-A in the Clinic Building. In spite of shortage of material and high prices of what could be obtained, over 3,600 saleable articles were produced, and more than 5,000 necessities for the hospital were made on the wards.

The occupational therapy workrooms on the fourth floor of the Main Building has served as a center for the women patients in that building who were interested in ceramics, weaving, painting and jewelry craft, while the workroom on the men's side has been moved to a larger area and is now on Ward 24.

The department gave an outdoor ice cream party at the Grove for many of the patients attending its classes as well as a Christmas dinner, which was enjoyed by both patients and employees. The custom of maintaining a table on visiting days for the sale of articles has been continued and proved a successful outlet for the smaller articles. Exhibits were also sent to the State Fair at Trenton, the Morris County Fair, and the Health Fair at the Morristown Women's Club.

Representatives from this division attended various occupational therapy meetings during the year, including those at the Orthopedic Hospital in Orange and Institute at the East Orange General Hospital and one in New York, sponsored by the Association of Registered Therapists, as well as the annual meeting of the New Jersey Occupational Association. Lectures and class instruction has been provided for various groups during the year, including 422 affiliate nurse students, 11 practical nurse students and 27 psychiatric technician trainees.

Recreation

Under the direction of Mrs. Dorothy Driscoll Johnson, the Recreation Department has continued its intensive schedule, and has brought to the patients much in the field of physical education as well as various types of recreation. With 5 assistants and 4 aides, as well as the services of 3 summer workers, an all-around program has been maintained. This has included resocialization classes in the Main Building, which included calisthenics, folk dancing and game playing; weekly card parties and section parties for both the Main Building and Dormitory, as well as work in the gardens during the summer. The large amusement hall is the scene of dances, as well as moving pictures during the winter season, and in summer all sorts of outside games and sports are encouraged. The

Dell, near the tennis courts, and the Grove, adjoining the Dormitory, are in constant use during good weather for recreation activities. Picnic tables and music, using the Public-Address System, enable the Dell to be used for many parties when the weather permits.

A detailed report of the activities of this department show that not only have the recreation assistants and aides been busy throughout the year, but that many outside organizations have assisted by sponsoring or furnishing band concerts, minstrel shows, parties of all sorts, and athletic games and exhibitions. It was estimated that the total attendance at parties and movies during the year was 126,805, and that the average daily attendance in classes during the year was 452.

The Christmas party, one of the major efforts in the department, was an unqualified success, and the music program, which has furnished a choir for the weekly chapel service as well as music for shut-in patients and shock treatment wards, has been an outstanding achievement.

Social Service

Under the direction of Miss Jennie Berman, the Social Service Department has carried an even heavier load than usual with less personnel available to accomplish the necessary work. The staff of 11 included 4 with Masters degrees from schools of social work, and by the end of the year 6 of the staff were fully qualified. Recruitment is still a problem which has been attacked vigorously but all vacancies have not yet been filled.

An effort has been made to streamline the work of the department; questionnaires have been revised, form letters utilized, and an improved appointment technique developed for obtaining histories. The case load of field workers has been so high that frequent visits to patients on convalescent status has been impossible, but by means of correspondence with relatives and sponsors and by the use of office space in the YWCA's of Newark, Jersey City, Hackensack, Paterson and Passaic for interviews with patients and families it has been possible to keep the staff informed on the condition of patients at intervals and at least at the time of discharge.

There were 999 patients on visit and 20 on missing status at the close of the year, for which this department was responsible. During the year 6,993 interviews were made; 869 histories obtained in the office by interviewing 1,242 persons; and 721 questionnaires were received, concerning other histories. There were 561 previsit interviews with

relatives of patients who were leaving the hospital, and a total of 1,073 patients were released on visit during the year.

Mental Hygiene Clinics

The Mental Hygiene Clinics suffered a tragic loss in the death of Dr. Earl W. Fuller on May 16, 1951. Dr. Fuller assumed directorship of the clinics on June 15, 1929. His warmth, imperturbability, boundless energy, diversified interests and hobbies, tremendous fund of knowledge and devotion to his patients, made him an exceptional person, who became a leader in the mental hygiene movement. In recent years, handicapped by a serious cardiac disability, his duties as a public servant superseded his interest in self-preservation. He has set a worthy challenge to those of us who wish to emulate him.

Dr. Theodore Gebirtig was appointed Assistant Medical Director of Greystone Park on April 1, 1951, and is Acting Director of the Mental Hygiene Clinic. He has made the following report in summary:

Mr. Robert M. Beechley continues to direct the psychological activities of the Clinic. Mrs. Juliet Diller, Psychologist, resigned September 16, 1950 for advanced training and was replaced by her husband, Mr. Leonard Diller, on September 17, 1950. On February 1, 1951, Mr. Diller resigned to accept a position with opportunity for considerable economic and professional advancement. He was replaced by George Genn, Ph. D., on March 7, 1951.

Miss Mildred H. Hurley continued as Director of Clinic Social Service. Miss Louise Whitfield, Psychiatric Social Worker, joined the staff on July 31, 1950. Miss Ruth Elizabeth Beck, Psychiatric Social Worker, resigned November 30, 1950 to accept a promotion within the State service. Mrs. Anne De Young, Psychiatric Social Worker, resigned January 6, 1951 because of domestic responsibilities. There are two psychiatric social work vacancies at the close of this fiscal year. For the second year, because of staff shortage, no effort was made to accept psychiatric social work students for training.

The Clinic continues in the training program of the Affiliate Nurses and Psychiatric Technician Trainees.

The Clinic personnel have been active in the organization of the New Jersey Association of Mental Hygiene Clinics. The clinic social workers have been equally active in the formation of the Association of State Social Workers in Psychiatric Services and in the inclusion of the

Local Group of the American Association of Psychiatric Social Workers as a District Branch of the National Organization.

The Clinic personnel attended 154 professional meetings. The Clinic personnel gave 73 lectures to 32 community groups with an approximate total audience of 3,000, not including the listeners to a radio address on the local Morristown station.

A total of 291 clinic sessions were held in the six counties covered by the clinic. There were 420 new patients during the year—66 adults and 354 children. New diagnostic and consultation cases—21 per cent. New treatment cases—79 per cent. There were 1,037 patients under treatment during the year.

Treatment involves the three disciplines of psychiatrist and psychologist in clinic sessions and the psychiatric social worker in both clinic sessions and community visits. There was a total of 7,206 treatment sessions by the Clinic personnel. The psychiatrists held 808 psychotherapeutic sessions with patients and 838 additional interpretative and therapeutic consultations with relatives and others concerned with patients. The psychologists made 559 psychological examinations of patients and gave 125 additional interpretative consultations with relatives and others concerned with patients' problems. The psychiatric social workers had 824 interpretative and therapeutic sessions with patients and 4,052 additional treatment interviews with relatives and others concerned with patients' problems; 3,152 of these were in the community, i. e., homes, schools, etc.

There is at present no delay in psychological and social service appointments. While we are aware of the delay in psychiatric service every effort will be made to increase the availability of this service.

School of Nursing and Nursing Service

Miss Laetitia M. Roe, R.N., B.S., began her second year as Director of Nursing. Miss Sophie Kraykowski, R.N., B.S., was promoted August 16, 1950, from Instructor to Assistant Director of Nursing and assigned to assist the supervisors of the Reception Building, Clinic Building and Main Building South. Mrs. Patricia Long, R.N., was assigned to the Dormitory Building, Tuberculosis Building and Main Building North. Miss Margaret Larkin, R.N., B.S., continued as Assistant Director of Nursing, in charge of the Affiliate School of Nursing. Mrs. Ruth Haney Beam, R.N., was in charge of the technician training program, the attend-

ant course and orientation program, and the practical nurse affiliation in psychiatric nursing.

During the year, there has been a steady decrease of all personnel in the nursing department, particularly, in the attendant group, which was depleted drastically. In the sub-professional group, as technicians, charge attendants and attendants, there were 122 vacancies in March, 145 in April and 136 in May. However, the situation was relieved to a certain extent at the beginning of June by recruitment of summer workers. At the close of the year, there was a total of 66 nurses, including 12 supervisors, 28 head nurses, 9 staff nurses, 12 part-time nurses; 70 technicians, 82 charge attendants, 270 attendants, 15 technician trainees and 109 affiliate student nurses. This made a total of 673 persons giving care to 6,175 patients as compared to 696 persons giving care to 6,008 patients a year ago. The employment records of all the nursing personnel were brought up to date. Detailed evaluations of each individual's work and development are to be completed every six months and general progress reports are to be made out every four months. Ward manuals have been partly completed and placed on the wards in Reception Building and Clinic Building and on wards 22, 34 and 35. A standardized procedure for the administration of medications was set up and put into effect.

On April 10, 1951, the daily hours were changed from eight and one-half hours to a straight eight hour shift as, 7:45 a.m.—3:45 p.m., 3:45 p.m.—11:45 p.m., 11:45 p.m.—7:45 a.m., thus eliminating any overlap of time. With the shortage of personnel, it has been necessary to give overwhelming assignments to all workers. The sub-professional employees were allowed to do part-time work; they could work 12 hours 3 times a week. This made it possible to arrange for enough people to serve the patients' meals.

The Affiliate School of Nursing: During the year, 452 student nurses completed the three-month affiliation in psychiatric nursing; a total of 109 students were in the school on the last day of the year. Greenville Hospital in Jersey City discontinued the affiliation but Camden-Clark Hospital, Parkersburg, West Virginia, and All Souls Hospital, Morristown, New Jersey, began sending students, making a total of 21 schools affiliating with this hospital.

Mrs. Gladys Keidel, R.N., B.S., was appointed assistant instructor in September. Mrs. Doloris Essenburg, R.N., B.S., M.S., served as in-

structor from November 1950 through April 1951. Mrs. Yolán Guttman, R.N., B.S., M.S., began March 15, 1951, as clinical instructor and has organized a clinical teaching program in the Reception Building. Miss Elizabeth Maloney, R.N., who will receive her B.S. degree next year, began a clinical teaching program in the Clinic Building June 1.

The student nurses changed from a 48-hour week to a 44-hour week October 2, 1950; holidays were increased from 8 to 12 a year. The contracts of affiliation with all the hospitals were revised and renewed in March.

On April 26, 1951, the Directors of Nursing and Directors of Education of the Nursing Schools sending students to this hospital for experience in psychiatric nursing, met with the faculty here. It was decided to hold a general meeting such as this once a year and that the individual school facilities should arrange meetings with our faculty as necessary. The Greystone Park Association, with Mrs. Leary as hostess, served tea to the guests and the students after the meeting. The Association has also arranged to serve tea to the hospital teaching staff and to the incoming students every six weeks. The staff physicians and special departments have continued their contributions to the affiliation program.

During the year, the faculty of the school has served on the sub-committees of the New Jersey State League of Nursing Education relating to psychiatric nursing and affiliation. Miss Larkin was appointed Deputy Assistant Chief, Nursing Services, Northern District Division of Civil Defense, State of New Jersey, Trenton, New Jersey. In October, Miss Larkin became a Director of the Board of the New Jersey State League of Nursing Education for two years. A Senior Faculty began to function in April to study and to work on problems in the Affiliate School.

The New Jersey State Board of Nursing represented by Mrs. Henrietta G. Korolenko and Miss Verna M. Halbasch inspected the school and the clinical areas in which the student nurses receive practical experience on June 5th and 6th.

The Psychiatric Technician Training Program: During the year, all classes received instruction and participated in clinical practice in accordance with the curriculum. This was made possible by the cooperation of the medical staff, the Mental Hygiene Department, the directors of the special therapy departments, and the hospital chaplain. Instruction

through visual aids has been continued. Motion pictures concerning Body Structures, Elementary Nursing and Psychiatric Nursing were shown to all classes at regular intervals. Mrs. Ruth Connelly, R. N., Clinical Instructor, conducted ward classes correlated with the formal classroom instruction.

On July, 1, 1950, 42 trainees were participating in the course. On October 1, 1950, 13 trainees were enrolled and on April 1, 1951, 15 trainees were enrolled making a total of 70. During the year 33 graduated and 22 resigned. There were 15 trainees enrolled on June 30, 1951.

Mrs. Forrest Adams won the national award for Psychiatric Aide of the Year 1950, presented by the National Association for Mental Health.

Attendants: The Five Day Orientation program for new attendants has been continuous throughout the year. Mr. Harry Young, technician, under the direction of Mrs. Beam, has met and held orientation classes for every new attendant. Of the total enrolled, 474, there were 434 who completed the course. Only two groups of attendants completed the 40-Hour Training Course because of the shortage of attendants and the absence of an instructor. Of the total of 35 enrolled, only 22 completed the course.

The Practical Nurse Affiliation: During the year 11 student practical nurses from Middlesex County Vocational and Technical High School, Woodbridge, New Jersey, completed their affiliation of 28 days in psychiatric nursing. They received 20 hours of formal classroom instruction and 28 days of clinical practice on the infirmary wards in the Dormitory Building. It is hoped that there will be a greater number for each class in May and November. The practical nurses give excellent bedside care and exhibit interest in caring for the mentally ill.

Hydrotherapy: Augusta Radke and Wilbur T. Riker were responsible for carrying out therapeutic procedures in this division. A total of 15,942 of the various treatments were given. Demonstrations and instruction were given to the technician trainees and the practical nurses.

Barber Shops

Mr. Herschel Tucker, as Head Barber, has continued the supervision of the barbers and hairdressers. Due to personnel shortage the total shaves this year were 205,720, and hair cuts 23,100. The hairdressers

reported 24,061 hair cuts, 9,727 hair sets as well as an equivalent number of fingerwaves, shampoos, scalp treatments and other beauty operations.

Library

As Senior Librarian, Mrs. Ruth Milk Wick has continued in charge of the library activities of the hospital, assisted to some extent by the volunteer work of the Greystone Park Association. Some of the patients interested in library work have also helped to maintain regular schedules in the Main Building and Dormitory, but there is a great need for additional trained personnel to expand the recreational and therapeutic reading program.

Most of the patients have their only contact with the library through the ward visits of the book truck, which carries magazines, newspapers, puzzles and games as well as books. While there has been no ward service to the Tuberculosis Building, magazines and other material are sent at least once a month for distribution, and small reading collections are maintained on each pavilion for the use of patients residing there. Patients who have ground parole enjoy coming to the library to browse and make their own selections. Employees also enjoy the opportunity to obtain books, not only from the hospital library but through the loan collection, the Morris County Free Library books are made available. For the employees, reading collections are maintained in Voorhees Cottage and in the psychiatric technician classroom. Over 3,000 new books were received through donations, half of these being paper books of pocket size. Outstanding donations included those from the Morristown Book Fair through the kindness of Mrs. Paul Moore, and books received from Madison A.A.U.W. and the Madison Public Library as well as the Dover and Morristown Chapters of the V.F.W. Auxiliary.

Mrs. Wick has attended the meetings of the Morris County Library Association and the Special Library Association, as well as visited the library of the Veterans Hospital at Lyons. Under her guidance considerable progress has been made in bringing our library service up to date.

Circulation figures show fiction, 10,600; non-fiction, 2,841; periodicals, 68,824; and miscellaneous circulation of puzzles, games, etc., 17,995.

Religious Services

Spiritual guidance was provided for all patients throughout the year. Catholic services were conducted weekly by the Parish of St. Virgil's in Morris Plains, as well as weekly confessions and the administration of sacraments. The Resident Chaplain directed the Protestant services on Sunday mornings. Jewish services were conducted on Fridays and special holy days. Christian Science groups continued to send readers and assist in holding services on Wednesday afternoons. Choir gowns were provided through our Occupational Therapy Department and weekly worship bulletins were distributed.

Resident Chaplain: The Resident Chaplain has kept in contact with all new patients admitted to the hospital, as well as participating in the spiritual welfare of all patients, and during the year conducted 576 interviews with patients. Six advance graduate students of theology were trained for a period of twelve weeks in a course of clinical pastoral training, sponsored by the Council of Clinical Training, Inc., of New York City; this was under the supervision of the Resident Chaplain, who was fully accredited by the above Council.

The department has given 20 lectures in sociology to the psychiatric technician trainees, and conducted 527 visitors on an educational tour of the hospital. The Chaplain attended numerous medical staff meetings and hospital administrative conferences.

Greystone Park Association

Mrs. Edward W. Clucas, as President of the Association, reported a membership of approximately 400, with many new organizations being actively engaged in the various projects sponsored by the hospital. The Christmas wrapping program was successfully carried out with the cooperation of the various groups from the American Red Cross auxiliaries, from churches in our area, and other groups. Four new television sets were installed through the generosity of individuals and organizations.

The supply room has been available to patients every Thursday, and 21,000 articles of clothing, prizes for recreational activities, supplies for the beauty parlor and many novelties were distributed; all articles distributed were donations from the citizens in the five counties served by this institution.

There were 179 pairs of curtains made and hung about the hospital;

1,000 pairs of soft slippers were made, as well as 100 bedjackets made and distributed throughout the wards.

Mrs. Clucas and all members of our organization spent many hours at the institution in their efforts to assist with the welfare of all of our patients, and we feel that the organization will continue to be of tremendous assistance to the well-being of our patients for the years to come.

Pharmacy

The pharmacy has continued with Philip B. Roberts, Ph. G., Pharmacist-in-Charge, and, as in previous years, he was assisted by Louis Bangert, Ph. G., and George H. Rowland, Ph. G. We continue to operate an up-to-date pharmacy at this institution, and we recently received a report from the State Board of Pharmacy, commenting favorably on the manner in which our pharmacy was operated. There were 21,217 prescriptions filled.

Pharmaceutical preparations are manufactured in the pharmacy with approximately 56 different items totaling 3,041 gallons, while many others are bottled or packaged for dispensing to the various wards.

Photography

All newly admitted patients and those leaving the hospital have been photographed for identification purposes, and many photographs of buildings, machinery, etc., have been made during the year. Daniel J. Lutz, Photographer, reports 5,304 pictures having been made.

Personnel

The Personnel Department, under the supervision of Mr. Richard Winans, has had a difficult problem in maintaining sufficient personnel for the essential services of the hospital during the past year, and efforts have been made to recruit through a wide-spread advertising campaign.

There were 966 applicants hired during the year, and 1,062 resigned or otherwise terminated their services. The total enrollment as of June 30, 1951, was 1,194, which was a loss in personnel of 96 over the previous year.

Plans were completed for the change in working hours of the hospital staff from the 48-hour week to a 40-hour week, effective July 1, 1951, with a uniform schedule of hours for all positions. Forms required by the Civil Service Commission and the Personnel Department, including

employment, maintenance change, title change, transfer and discharge, totaled 1,756.

Building Maintenance

William G. Beucler has continued in charge of the Building Maintenance Department and has acted as liaison officer between the medical, business, nursing and engineering departments, and has also worked very closely with the housekeeping personnel. There were 2,100 beds repaired and repainted in the shop, and 2,700 minor repairs were made on the various wards. The general supervision and maintenance of the Veterans Housing project was handled by this department, as well as the sterilization of contaminated clothing, mattresses and pillows. The condemning system has functioned as in the past, and the materials salvaged were utilized. The overcrowding of the wards of the various buildings has presented one of the major difficulties of the department. The constant shifting of beds and the adding of additional beds in already crowded areas has been a serious problem throughout the year and the cause of considerable damage to interior walls and floor surfaces. The purchase of Christmas gifts was made with the Superintendent, and the receiving, checking, and distributing of various items were handled in this department.

Mr. Beucler gave valuable assistance to the Superintendent and other department heads throughout the year, and was particularly helpful with the annual inventory program, replacement of furniture and mattresses, maintenance of floors, and many other items essential to the upkeep of the institution.

Business Department

John T. Neal, Jr., has completed his fourth year as Business Manager at this institution, and during this time has, through his energetic efforts and unfailing interest, accomplished many things for the direct benefit of the institution and the patients receiving treatment. Mr. Neal's report of the departments under his supervision is as follows:

Fire Prevention and Fires

The Greystone Park Fire Department continued under the very efficient supervision of Fire Chief Charles H. Acker, who lives on the grounds, is subject to twenty-four-hour call and is normally on duty during the day. We also have two additional men, Mr. George H. Arn-

old, Assistant Chief and Mr. George Kahutka, Operator-Driver, who work alternate forty-eight hour shifts and who act as Assistant Senior Department Officers in the absence of the Chief.

Other than the three salaried firemen, we have fifty-two volunteers who are hospital employees and serve without compensation or remuneration for their services.

Motorized Equipment: Engine No. 1: One 1924 Ahrens-Fox triple combination pumping engine, 750 gallons of water per minute; 1,400 feet of 2½ inch cotton rubber-lined fire hose and other equipment are carried on this engine. Engine No. 2: One 1947 Ward La-France triple combination, 750-gallon-per-minute pumping engine; 1,400 feet of 2½ inch hose, 300 feet of 1½ inch hose, together with considerable other equipment, are carried on this engine. Engine No. 3: One 1942 Chevrolet-Barton U.S.A., 500-gallon-per-minute pumping engine; 600 feet of 2½ inch hose; 650 feet of 1½ inch hose and other minor equipment, including flood-lighting units, are carried on this engine. Truck No. 1: One 1951 American La-France Service Aerial Ladder Truck; 85-foot aerial ladder, 218 feet of various sizes of wood ground ladders, forceable entry tools, rescue and life-saving equipment; portable ladder pipe and portable deluge set are carried on this truck. This unit was delivered on February 1, 1951, and replaced a 1925 Pirsch-White City Service ladder truck which was transferred to the Trenton State Hospital on February 15, 1951. Truck No. 2: One 1950 Ford ½-ton F-1 Pickup truck; received and placed in service October 17, 1950. This unit replaced the 1928 Chevrolet Squad Car and serves as a maintenance car. O.C.D. Trailer Pump: One 1943 Chrysler Corporation engine attached to a 500-gallon-per-minute Hale pump.

The latest acquisition, Truck No. 1, which was received on February 1, 1951, rounds out our equipment so that we believe we are one of the best equipped Fire Departments of any institution in our State.

Water Supply, Fire Hydrants and Sprinkler System: Sixty-two hydrants on the hospital water system are available for fire service. Fifty-four are on high-pressure system. One rented hydrant on the Morristown System near the Dairy Barns is also available in that area. Semi-annual inspections were made by the Fire Department in conjunction with the Plumbing Department during the year. Weekly inspections were made of the sprinkler system. Sufficient replacement sprinkler

heads are in stock, pending installation, to cover the entire Main Building South basement.

Fire Alarm System: The fire alarm system continues to be under the general supervision of the Fire Chief, assisted by the electrical division when required. Three box circuits, two local alarm and two general alarm circuits constitute the central control which is located in Fire Headquarters. The entire system is of Gamewell manufacture. Modern Gamewell straight, master and remote control boxes have been purchased and are in stock. They will replace the non-succession, interfering-type of boxes now in service and provide additional coverage. An Air Raid box was installed in Police Headquarters (Main Building) on December 15, 1950, which is part of the fire alarm system. Fire Alarm boxes are tested frequently with punch register and gong in circuit.

Spot and Routine Inspections: Inspection tours are made by the Chief and his assistants which cover housekeeping, exit doors, escapes, fire equipment, fire hazards and possible road or building obstruction which may hinder the response of fire apparatus of the department.

Fire Hose: A total of approximately 18,200 feet of various sizes of unlined linen hose, attached to stand pipes, is available throughout the institution, subject to frequent inspection and replacement. Stand pipe hose valves of the wheel-angle type are in stock, to replace the few remaining socket-type valves requiring a large iron wrench for operation in the Main Building North and South Wards. There are in the Fire Department service, on apparatus or in reserve, 4,800 feet of $2\frac{1}{2}$ inch cotton rubber lined double jacket hose and 1,250 feet of $1\frac{1}{2}$ inch cotton rubber lined double jacket fire hose. All cotton rubber-lined, double jacketed $2\frac{1}{2}$ inch and $1\frac{1}{2}$ inch hose was tested during the year.

Fire Extinguishers: There are 739 various types of extinguishers available throughout the institution, subject to frequent inspections, which are recharged annually with the exception of the Carbon Dioxide Type.

Fire Drills: Twenty-four fire drills of two-hour duration were held semi-monthly for the volunteer members of the Department during the year by the Chief and his paid and volunteer officers. Training in general consists of hose and ladder evolutions; pump and aerial ladder operation; inspection tours; and the use of various tools, appliances and rescue equipment. Two drills, of approximately three hours each in

duration, were held on hospital grounds in May and June in conjunction with the Morris County Fire School. Apparatus and equipment of the Greystone Park Fire Department were used. The average attendance was 130 firemen, 30 of whom were members of the hospital department. These drills were under the direct supervision of Officers of the Newark Fire Department.

Lectures and Demonstrations: Orientation classes for employees have continued during the year. New employees, affiliate nurses, psychiatric technicians and practical affiliate nurses attend these lectures and demonstrations, which are held in Fire Headquarters weekly and are of $1\frac{1}{2}$ -hour duration. Ninety-four hours have been devoted to these lectures by the Fire Chief with 1,140 persons registering as attending.

Special Duties: A detail of firemen were on duty in the Dormitory Amusement Hall, covering afternoon and evening activities for patients, which included movies, dances and plays, totaling 111 performances. Firemen were on duty in Fire Headquarters on Hallowe'en evening, and additional watchmen patrols were maintained at the Dairy, Horse Barn, Concrete Block Plant and Hennery-Piggery area, assisting the regular Police coverage. The usual precautions were taken in the Dormitory Amusement Hall during the Annual Christmas play by placing temporary hose lines into the hall and having additional firemen on duty.

General: Numerous distinguished visitors, including State Officials, visited Fire Headquarters during the year. Fire Department Association meetings have continued monthly under the guidance of President Harry Pengilly, with hospital executives present at the majority of the meetings. Fire Department personnel on salary worked under handicaps during the year. Assistant Chief Arnold was on sick leave due to an accident from October 21, 1950, reporting for duty on January 25, 1951. Fireman George Kahutka reported off sick from December 22, 1950, to January 4, 1951, and Relief Fireman Marvin Mann was on limited fire duty from December 26, 1950, to January 7, 1951.

Fire Record Analysis: Fire record analysis showed a total of 56 alarms with a total loss of \$714.74. There were 4 general alarms included in this figure, 2 of which were false, as well as 22 still alarms for fire or smoke, 8 for grass or brush, and 4 for other causes. There were 14 investigations of extinguished fires.

Construction Work

All new and reconstruction projects were again handled by Mr. George D. McCarthy, Superintendent of Construction.

South Side Reconstruction: The largest project completed during the year was the South Side Reconstruction of Tier 3, Part I. This fireproofing project was done by the Andrew Christensen Company who completed the front section of Tier 3 under the original budget item. This section is ready for patient occupancy, except for a few additional installations.

Coursen Cottage: The Coursen Cottage which will be occupied by Mr. James Stuart, Farm Supervisor, was completely redecorated on the interior, and new bathroom and kitchen fixtures were installed.

Butcher Shop: During the year the work of changing the old Cannery into a very modern butcher shop was completed with the exception of the refrigeration unit.

Senile Building: Drawings and specifications were available May 28, with bids being received on June 26. We expect this building to be constructed and in use during this next fiscal period.

Dormitory Building Connecting Corridors: The contractors, Fred Brotherton & Company, have started construction of the Dormitory Building connecting corridors, and on June 29, all the column footings were poured in both the North and South yards.

South Cottage: The South Cottage, which is occupied mainly by married couples, was completely redecorated on the interior. New closets were constructed in all bedrooms and Kalamein fire doors were installed, enclosing the stairwell. Two sitting rooms were covered with wall paper and the exterior trim was painted.

Storm Damage: On November 26, 1950, a storm of hurricane proportion struck this area resulting in approximately \$50,000.00 worth of damage and the Construction Department is now busy replacing gutters and slate at the Reception Building. Copings have been replaced on the Main Building Center and the balance of the storm damage will be repaired during this next fiscal period.

Engineering Department

Our Engineering and Maintenance Departments continued under the direct supervision of Mr. Henry Landesman, M. E., Engineer-in-Charge, who was assisted by Mr. William Carew, Assistant Engineer-in-Charge

and Mr. Maurice A. Chaillet, M. E., Assistant Engineer-in-Charge. This department is charged with the responsibility for the maintenance of all the buildings and equipment of this institution as well as the electric generation steam boiler plant, water department, sewage disposal plant, etc.

Power Plant: The Power Plant consumed 24,966 tons of coal and 923,449 gallons of oil as compared with 26,999 tons of coal and 1,318,906 gallons of oil consumed for the last fiscal period.

Electric Production: The Electric Generating Plant produced 2,614,296 K.W.H. as compared with 4,436,633 K.W.H. produced for the same period last year. In addition, 1,960,800 K.W.H. was purchased through the inter-connection with the Jersey Central Power & Light Company as compared with 225,480 K.W.H. purchased last year.

Water Department: The water pumping station pumped a total of 207,488,000 gallons of water as compared with 288,734,000 gallons for last year; however, the total consumption was 410,671,000 gallons as compared with 398,028,000 last year.

Sewage Disposal Plant: The Sewage Disposal plant took care of 373,116,000 gallons of flow for this year as compared with 349,098,000 gallons for the past year. We had a daily average flow of 1,002,000 gallons this year as compared with 929,000 gallons per day last year.

Maintenance Department: The various maintenance departments handled 38,432 repair orders and 64 new work orders as compared with 37,812 repair orders and 58 new work orders for last year.

Boiler Room: Two of our Babcock and Wilcox boilers 3 and 4, were completely rebuilt and retubed so that they are in new boiler condition. In addition, boilers 1, 2, and 5 received their regular general cleaning. Two new stoker engines were installed on boilers 3 and 4 and a new chute was erected on a coal hopper from the bunkers and a new hopper was put up on our coal conveyor.

Generator Room: A new 150 K.W. General Electric motor generator set was installed which allowed us to close down our entire direct current generating plant with the exception of several hours each morning. Our #3 generator is run in parallel with the Motor Generator set to safeguard cutages from overload as our entire direct current load is still too high to permit operation of the one unit alone. The Employees Cafeteria and two congregate dining halls were changed from direct current to alternating current to reduce our direct current load and we trust that during this next year additional direct current loads can be changed and

placed on the alternating current system so that the motor generator set will be able to carry the entire direct current load with a great saving in steam consumption.

Water: As in former years, samples of our water have been forwarded to both the State Board of Health Laboratories and to Rutgers University Laboratory and have been found safe in every respect. A new chlorinator and meter have arrived and these units will be installed on our low pressure system.

Sewage Department: Two new chlorinators arrived and will be installed at our Sewage Plant during this summer. A complete and detailed study has been made of our present sewage plant by Mr. Orford of Dr. Rudolph's Office, Rutgers University, and preliminary plans and estimates have been received from the Department of Architecture. A tentative estimate of \$107,000.00 will be required for the additions and improvements to our Sewage Plant and this amount will be requested over a period of years in our annual budget.

Maintenance Department: One of the major projects conducted by our Maintenance force during the year was the construction of the new kitchen at the Dormitory Building where eight 100-gallon pedestal type aluminum cook pots as well as two heavy duty ranges, two frialators, three coffee urns, two potato steamers, two potato peelers and three sinks were installed. A small walk-in type refrigerator was installed on the first floor and two large refrigerator boxes were installed in the basement. Our Maintenance Department also installed seven new dishwasher units in the Clinic Building and two large dishwashing units in the Main Building male congregate dining hall. A new 500 m. a. General Electric x-ray unit was installed in the Clinic Building. This necessitated rebuilding the dark rooms and installing leaded protective shields.

Food Service

The Culinary Department continued under the direct supervision of Mr. William Walton, Sr., Food Supervisor Grade I, who has completed forty-three years in this department at the institution. Mr. Walton was ably assisted by Mr. Richard R. Gessner and Mr. Nicholas Galgay, Assistant Food Supervisors. This department is charged with the responsibility of supplying approximately 21,000 meals daily to the patients and employees of this hospital.

The outstanding project of this department during the year was the

placing in operation of the new Dormitory Building kitchen. This kitchen now cooks for approximately 2,500 patients located in the Dormitory Building units, with the result that these units are obtaining hot meals.

The Construction Department has just about completed transforming the old Cannery, located off the Main kitchen, into a very modern and well-equipped Butcher Shop which will be placed in operation the early part of this next fiscal period.

Diet Kitchen: Our Clinic Building Diet Kitchen operated without the services of a Dietitian for part of this year, but was under the direct supervision of Mr. Richard R. Gessner, Assistant Food Supervisor. 109,223 special diets were served to ward patients and 19,305 special diets were served to Employees at the Employees Infirmary.

Butcher Shop: The Butcher Shop continued under the supervision of Mr. Joseph Feldenzer, Head Butcher, assisted by one butcher and four food service workers, who handled 659,148 pounds of meat.

Bakery: The Bake Shop continued under the direct supervision of Mr. William Dalhoff, Head Baker, and produced 893,606 loaves of bread and muffins, 22,583 cakes, 26,704 pies, 4,500 gallons of sauerkraut, 400 gallons of mincemeat, 13,446 pounds of margarine spread and 532,000 doughnuts.

Housekeeping Division

The Housekeeping Department for the entire institution continued under the direct supervision of Mrs. Alma K. Rose, Head Housekeeper, and under the general supervision of Mr. William Beucler, Supervisor of Building Maintenance Workers and his Detail Department.

Laundry

As of January 1, 1951, after twenty-five years of very efficient and loyal service, Mr. Daniel Leyhan, Sr., Superintendent of our Laundry, retired. Mr. Leyhan has been replaced by Mr. Floyd Evans who has been Acting Superintendent, and who has filled in during a very trying time due to the lack of proper equipment and sufficient personnel. During the past fiscal period 7,270,981 pieces of laundry were processed. We are inserting in this next budget, an item of approximately \$63,000 for equipment, plus an addition to the rear of the laundry building and a request for an increase in employees so that we may re-

duce our laundry operation from forty-eight hours and forty minutes to a straight forty-hour week.

Garage

Mr. William Walton, Jr., continued as Supervisor of the operations of our Main Garage. We now have twenty-four passenger cars, 18 trucks and four tractors being serviced by this department.

Upholstery Shop

This department continued under the supervision of Mr. William T. Barry who reported a total of 10,902 jobs completed.

Tailor Shop

The Tailor Shop continued under the supervision of Mr. Frank De Primo and his report shows a total of 11,759 jobs completed.

Institutional Collector

In accordance with the directives outlined by the State Department of Legal Affairs in Trenton, July 1, 1950, an effort was made by our Institutional Collector, Mr. Thomas C. Tighe, to keep maintenance accounts from going in arrears, to collect monies due in delinquent accounts, to furnish allied information relative to maintenance rates to patients, relatives and interested parties and to investigate and adjudicate all matters of a legal nature in order to ascertain the possibilities of additional revenues being recovered for the State of New Jersey.

Mr. Tighe reported 1,087 interviews, 268 closed cases, 422 visits to County Adjusters, processing 94 amended Court Orders representing \$42,946.51 in delinquent accounts and making collections of \$54,710.08.

Service Unit and Duct Store

Our Service Unit supplies short-order cooking and soda fountain services for the convenience of visitors, patients, and employees of this institution. This department was under the direct supervision of Mr. Vernon Gallagher, Manager, until November 15, 1950, when he resigned to accept a position in the Far East. The Unit was then temporarily under the supervision of Mr. Henry Reed until February 13, 1951, when the Unit was placed under the management of Mr. John W. Dunn, a graduate of Cornell University Hotel Management course. On May 31, 1951, Mr. Dunn resigned and the unit was again placed under the supervision of Mr. Henry Reed. Our sales at the Service Unit for the year amounted to \$151,669.98, Expenses \$137,523.01, leaving a Net Profit of \$14,146.97 as compared with \$149,050.89 worth of sales last

year, Expenses of \$136,929.69 and a Net Profit of \$12,121.20.

The Duct Store remained under the direct management of Mr. Victor Losey and showed sales of \$80,936.21, Expenses amounting to \$67,867.44 and a Net Profit of \$13,068.77, compared with Sales, \$76,128.32, Expenses, \$62,777.15, and a Net Profit of \$13,351.17 for the same period last year.

Greenhouse and Grounds

Mr. Britton Koch continued to supervise this department and we have received many compliments on the excellent maintenance of institutional grounds. This department has been responsible for repairing, pruning, or removing the shade trees about the grounds which were damaged during the hurricane last winter.

The greenhouse delivered 197,908 cut flowers and 198,501 potted plants to the wards.

Gardens and Sawmill

The garden supplied \$31,432.53 worth of fresh vegetables to the institutions. The sawmill produced lumber valued at \$6,559.62.

Dairy, Piggery, Farm and Poultry

Mr. Edward I. Coursen, Assistant Business Manager and Farm Supervisor, retired on November 1, 1950, after serving this institution most efficiently and faithfully for approximately 54 years, having started his employment on January 16, 1896. Mr. Coursen was especially cooperative and helpful in supplying advice and real assistance in the operation of the Business Department.

We were fortunate to obtain as Mr. Coursen's successor on March 1, Mr. James B. Stuart, as Farm Supervisor. Mr. Stuart was formerly the Farm Supervisor of the School for Boys at Jamesburg, and comes to us with a wealth of knowledge and experience. In the short period of time that he has been here Mr. Stuart has proven himself a valuable addition to the hospital staff.

A brief survey of our complete farm operations has been made with the aid of some technical advice from the State College of Agriculture. This study indicated the most urgent need was to control the erosions of our soil. To do this, we have joined the Soil Conservation Program for this district. With technical assistance from them, we have put in five diversion terraces on the Wilsonville fields and this has completely controlled the erosion in that area. The program will take several years to complete. Some changes were also indicated in the

amounts and kinds of fertilizer. These changes have been made and our plant growth confirms the need for these changes.

Dairy: The Dairy Department continued under the supervision of Mr. Hugh McLellan. The Dairy Herd Improvement Association records show an average production per cow of 9,757 lbs. of milk for last year. This is about 300 lbs. per cow more than the previous year and in part accounts for the 31,000 quart increase in this year's production. Our herd health was excellent for the year. An outstanding improvement was made in the appearance of our Dairy by rebuilding the fences and painting the buildings. This fine job was done by two groups of patients with minimum of supervision and they are to be congratulated on an excellent job. The fence posts used were from our own trees sawed at our own mill.

During the year our dairy produced 853,694 qts. of milk valued at \$85,369.40; 25,729 lbs. of beef valued at \$7,718.70; 151 lbs. of veal having a value of \$45.30; Hides, Bones and Fats valued at \$1,876.44; calves were sold which were valued at \$1,620.00; 3,024 tons of manure were supplied the garden valued at \$6,048.00 and 1,922 tons of manure were supplied the farm having a value of \$3,844.00, making a total value of products produced by the Dairy of \$106,521.84.

The Dairy census showed 335, which included 174 milking cows, 25 dry cows, 40 heifers, 91 heifer calves and 5 bull calves.

Piggery: The Piggery has continued under the supervision of Mr. Charles Dilley and this year's production was 97,682 lbs. of pork, and 363 tons of manure were valued at \$30,393.60.

The census showed a total of 400, which included 116 sucklings, 113 shoats, 3 boars, 57 sows and 111 fattening hogs.

Poultry: Supervision of our Poultry Plant has continued under Mr. Matthew Casey. Plans are being made to change our laying hens from Leghorns to Rhode Island Reds. The egg producing ability of these breeds are equal, but the Reds will give us a better bird to eat at the end of its laying period. The value of production was \$15,754.68.

The flock showed a total of 3,598, including 1,039 hens, 1,106 pullets, 510 young stock, 13 cockerels and 930 chicks.

Stables: We sold four of our horses as we procured one additional Fordson tractor. We now have but two horses and three mules. These animals are used for cultivating and plowing in areas, which due to the hilly terrain make it extra hazardous to use tractors.

Trucking: The Long Distance Hauling trucks made 587 trips for a total mileage of 44,214 miles.

Exterminating: The Exterminating Department continued under the direct supervision of Mr. Frank Roberts and he and his department deserve commendation for the excellent job they have done throughout the year in keeping our institution grounds and buildings free from roaches, bed bugs, mice, rats, ants, etc. This department has also been charged with the responsibility of maintaining our scrap paper and metal deposits located at the old gas plant, and in addition have helped clean up the ducts under the Main Building.

Railroad: This department is under the direct supervision of Mr. William Stull and the general supervision of Mr. Britton Koch. Considerable clearing of track area and replacement of both rails and ties have been made throughout the year. This department also assists in the butchering and dressing of hogs and cows and at times assists in unloading coal for use in our Power Plant.

Coal and Ashes: We had on hand an inventory of approximately 3,445 tons of coal at the beginning of the year. We received 25,298 tons during the year and consumed 24,965 tons, leaving an inventory of approximately 3,778 tons of coal at the end of this fiscal period. All excess ashes were again sold to contractors on bid. This amounted to 5,983½ yards for which we received \$8,977.08, which in turn was turned over to the State Treasurer. In addition, we used 532 yards of ashes on the institutional roads and gave 1,110½ yards to the State Highway, Morris County Road Department, and the various townships and boroughs in this immediate vicinity.

Miscellaneous Sales: The sales totaled \$14,764.51; and were composed of horses sold, \$200.00; ashes, \$8,977.08; calves, \$1,620.00; hides, bones, etc., \$1,929.28; paper, \$178.20; and scrap metal, \$1,859.95.

Business Office

The Business Office continued under the direct supervision of Mr. Robert A. Lowery, Assistant Business Manager and Treasurer of the institution. Mr. Lowery has carried on the operation of this very difficult department despite the handicap of changes in personnel, and has been of the greatest assistance to our Business Manager in supervising the many projects being done by patient help. The most notable of these was the renovation of the front center first floor area where partitions were removed from a former apartment area and turned into a recep-

tion center. A new rubber tile floor was laid and walls and wood work painted by patient labor.

At the present time the patients are painting all the Dairy buildings, except the large main barn, and are installing new ceilings and side walls in the South Barn and erecting new fences throughout the dairy area.

Mr. Lowery has also had general supervision over all the kitchens and serving areas throughout the institution. This cooperation with Mr. William Walton and his staff has resulted in greatly improving food service to our patients and employees.

Mr. Lowery as Treasurer reported collections for the past fiscal year of \$2,411,244.61.

Police Department

Staff Sergeant Joseph W. Mack was assigned to this hospital May 22, 1950, by the New Jersey State Police and has developed the police department into an efficient protective unit. The personnel consists of the Chief Security Officer; 12 uniformed men who control traffic, operate radio car and handle Police radio-dispatching 24 hours a day; and 4 men who do guard service at various buildings during the night. All men have at least one year's experience and are gaining further experience in basic police procedure at the New Jersey State Police Academy. The men have full police powers on the grounds and in the vicinity, and have been appointed special officers in Parsippany. Troy Hills Township. All men are licensed by the Federal Communications Commission as Restricted Radio-Telephone Operators.

Civilian Defense: The new Headquarters has been designated as the Civilian Defense Office and adequate equipment has been installed to make this area the control point and nerve center for all activities in the event of an air raid or disaster.

Crime: This department has conducted investigations with respect to theft or suspected theft throughout the year and 42 disorderly cases were investigated. The general picture at this institution with regard to crime is favorable, and with one exception, crime of a serious nature has been lacking.

Traffic: Visiting on Saturday and Sunday has caused an increase of traffic over each weekend and this has been well handled by the men assigned to traffic duty. There were 22 motor vehicle accidents reported during the year, all of a minor nature.

Missing Patients: This department has cooperated with the medical department the latter half of the year, when a new alert system was instituted in the sending of alarms, etc., for the apprehension of patients missing from the hospital. This system has proved most effective.

General: The general situation with respect to our protective system is good and we feel that our radio patrol car, which is in constant contact with The Morris County Radio system, and our own radio transmitter for use in an emergency affords good protection for the institution.

Recommendations

The needs of the hospital have been carefully studied and we feel that the following construction is urgently needed and recommend its consideration in the 1952-53 budget:

Extension of our Employees Cafeteria to incorporate dining halls for all the Affiliate Nurses and Staff, and a Doctors dining room, at an estimated cost of \$125,000.00.

Working Patients dormitory building for 250 beds, including dining halls, recreation rooms, etc., at an estimated cost of \$600,000.00.

Extension of our Laundry Building at an estimated cost of \$25,000.00.

Extension to our Fire House at an estimated cost of \$10,000.00.

Dining room area to be constructed between Section Wards, M.B.S., at an estimated cost of \$125,000.00.

Dining room area to be constructed between Section Wards, M.B.N., at an estimated cost of \$125,000.00.

Garden Apartments for married couples to replace present Veterans Cottages and to provide family apartments for employees at an estimated cost of \$1,000,000.00.

Affiliate Nurses Home and Classrooms at an estimated cost of \$800,000.00.

Six 5-room cottages, three for Medical and three for Business personnel at an estimated cost of \$120,000.00.

Employees Building similar in construction to our present building for housing single employees at an estimated cost of \$1,000,000.00.

Recreation Hall to include theater, gymnasium, bowling alleys and a grandstand at an estimated cost of \$750,000.00.

Loss of Employees by Retirement or Death

Eight employees retired during this year:

Mr. E. I. Coursen, Farm Supervisor, who began employment on January 16, 1896, retired on October 31, 1950.

Mr. George Spencer, Stationary Fireman, who began employment on August 1, 1925, retired on October 31, 1950.

Dr. George R. Hampton, Senior Resident Physician, who began employment on November 22, 1909, retired on November 30, 1950.

Mr. Daniel Leyhan, Superintendent of Laundry, who began employment on October 26, 1925, retired on December 31, 1950.

Mrs. Bessie W. Titus, Housekeeper, who began employment on October 19, 1941, retired on February 28, 1951.

Mr. Herbert Horan, Farm Hand, who began employment on May 1, 1925, retired on June 1, 1951.

Mr. Fred Hoffman, Farm Hand, who began employment on June 7, 1927, retired on June 30, 1951.

Mr. Dewitt Depue, Institutional Charge Attendant, who began employment on January 11, 1930, retired on June 30, 1951.

There were also eleven employees who died during the year.

Mr. Floyd Hand, Institutional Attendant, entered the hospital employment on November 6, 1949, and died on July 2, 1950.

Mr. George E. Powell, Institutional Attendant, entered the hospital employment on March 3, 1948, and died on July 4, 1950.

Mr. Thomas J. Smith, Senior Laundry Worker, entered the employment of the institution on July 20, 1950, and died on December 7, 1950.

Mr. Willard Van Ness, Institutional Charge Attendant, had been employed at the institution since February 20, 1934, and died on December 7, 1950.

Mr. George LeMay, Cottage Service Worker, had been employed at the institution since May 1, 1941, and died on December 12, 1950.

Mr. Bert Dempsey, Building Maintenance Worker, had been in the employ of the hospital since January 26, 1929, and died on December 19, 1950.

Mr. Andrew Murphy, Institutional Laborer, had been employed at the hospital since January 4, 1944, and died on December 19, 1950.

Mrs. Bessie Egbert, Institutional Charge Attendant, entered the hospital employment on October 19, 1938, and died on January 29, 1951.

Mr. Franc Straley, Carpenter, started his employment at the institution on August 3, 1923, and died on February 22, 1951.

Mr. Frank Konrad, Institutional Laborer, had been employed at the institution since August 7, 1944, and died on March 3, 1951.

Dr. Earl W. Fuller, Director of Mental Hygiene, entered the hospital service on June 16, 1929, and died on May 17, 1951.

Distinguished Visitors

Visitors were welcomed at the hospital during the past year from educational centers for the purpose of gaining better insight into the care and treatment of mental patients. Individuals and groups representing various organizations in our State were conducted through the wards, treatment units and industries.

Representatives of the Council for Clinical Training were in close contact with the hospital and clergymen from many States visited us and showed a great interest in this program.

Dr. Fred A. Mettler has continued to have a very keen interest in our research project and has visited the institution several times during the year.

The Greystone Park Association was very active during the entire year and promoted a number of projects for the entertainment and recreation of the patients.

Commissioner Bates, the Deputy Commissioners, members of the official family in the Central Office, representatives of the Civil Service Commission, and others have been sympathetic toward our needs and have cooperated with us in our combined efforts to do everything possible for the welfare and comfort of the patients.

The members of the Board of Managers continued to be very generous with their time and interest and were a great help to me in formulating the policies of the institution. All members of the Board, with the exception of Mr. Cox who was ill throughout the year, made frequent visits to the hospital, and their wide and varied experience has been of tremendous help to me during my first year as Medical Superintendent.

Acknowledgments

We have received gifts during the year from the friends of the hospital and I have made an effort to acknowledge all gifts received by a personal letter and also in *The Psychogram*. The Greystone Park Association has received generous donations from individuals and groups which were acknowledged by the Association.

Staff Matters

Staff assignments have been unchanged at the key positions with the exception of the appointment of Doctor Theodore Gebirtig as Assistant Medical Superintendent, and he will continue as Acting Director of Mental Hygiene Clinics. Doctor Melvin has assumed responsibility for the operation of the reorganized X-ray Department and will continue supervision of the Tuberculosis Buildings. Junior physicians have rotated through the acute and chronic services, and this included special training on the shock service. Doctor Laurence M. Collins continued as Clinical Director having overall supervision of the treatment and disposition of patients. Doctor Longley continued as Assistant Clinical Director and was particularly concerned with the Resident Training Program and group therapy. Doctor Frank D. Fenimore directed the Female Reception Service, and Doctor Joseph F. Zigarelli directed the Male Reception Service and the Electroencephalographic Department. Doctor Joseph Donovan continued to direct the medical services for the employees. Doctor P. J. Gambill directed the Eye, Ear, Nose and Throat Department. Dr. Edward Kessler was in charge of surgery, including psychosurgery, and supervised the medical wards in the Clinic Building. Doctor Amedeo Esposito continued to direct the Shock Service, including supervision of ambulatory shock therapy throughout the hospital. Doctor William J. Byatt was promoted to Senior Resident Dentist following the resignation of Doctor Mentel and has rendered excellent service. In the Main Building Doctor Raymond J. Harquail has directed the Female Service, and Doctor James M. Lasley has continued to direct the Male Service. Doctor Helen I. Anderson has directed the Dormitory Building and the New Unit, which houses working patients; and Doctor John Ma has ably assisted Doctor Melvin in the direction of the Tuberculosis Buildings.

The medical staff has continued to function effectively and conscientiously in all ways, though the work load has been heavier because of the increased number of patients and acute shortages of nursing and attendant personnel. The attendance at scientific meetings and lectures in the metropolitan area was high and attests the continued interest of members of the staff in keeping up with progress in the field. About half of the doctors took courses at their own time and expense to improve their professional standards. Doctors Melvin and Fenimore spent a full day each week at the Neurological Institute where they participated in

ward rounds, clinical conferences and lectures; Doctor Perelman took courses at the William Alanson White Foundation and has been admitted to psychoanalytic training there; Doctor Muido took a refresher course for his State Boards; Doctor Herrero has been going through his personal analysis in New York; and Doctors Longley, Esposito, Melvin, Anderson, Litwin, Tritt, Fenimore, and Herrero have taken courses at the American Institute for Psychoanalysis and at the New School for Social Research. Doctor Crandell and Doctor Kessler collaborated on the presentation of a paper on Psychosurgery at the Medical Society of New Jersey convention in May.

Doctor Crandell has been elected President of the Morris County Medical Society, Secretary of the New Jersey Neuropsychiatric Association, and is Consultant in Neuropsychiatry to the Surgeon General of the United States Air Force.

The housing situation continues to be difficult because most of the staff are married and have growing families. More cottages or apartment units are needed to care for the needs of the present staff and also for any new staff positions which may become available in the near future.

Appointments, Promotions and Resignations

Senior Resident Physician Appointment:

Archie Sofman, M. D.	January 1, 1951
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Senior Resident Physician Resignation:

Percy R. Crane, M. D.	August 1, 1950
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Resident Physician Appointments:

Alfred Lingen, M. D.	July 1, 1950
Julius Perelman, M. D.	July 17, 1950
Elizabeth Eken, M. D.	August 15, 1950
Harry Oestreicher, M. D.	November 6, 1950
Aksel Pustroem, M. D.	November 15, 1950
Julius Herrero, M. D.	December 13, 1950
Karl K. Targownik, M. D.	January 16, 1951

Resident Physician Resignations:

John W. Howard, M. D.	July 8, 1950
Corinne Eddy, M. D.	September 5, 1950
Hans W. Freymuth, M. D.	November 15, 1950
Harry Oestreicher, M. D.	January 31, 1951
Karl K. Targownik, M. D.	June 30, 1951

Senior Resident Dentist Resignations:

James R. Mentel, D. D. S.	July 16, 1950
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Senior Resident Dentist Promotions:

William J. Byatt, D. D. S.	July 16, 1950
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Conclusion

In closing the report of activities during my first year as Medical Superintendent, I want to express my gratitude to the staff members and employees of the hospital who assisted me in the operation of the hospital during the year. I am particularly indebted to Doctor Collins, Clinical Director; Doctor Longley, Assistant Clinical Director; Mr. Neal, Business Manager; and to Doctor Gebirtig, who has so ably assumed the position of Acting Director of the Northern New Jersey Mental Hygiene Clinics and Assistant Medical Superintendent. Even in these trying times, the morale of all personnel appears to be on a high level and I am convinced that all of us will do everything possible to maintain our high standards and provide the very best care and treatment for all patients requiring psychiatric attention at this institution.

Respectfully submitted,

Orville Randall

Medical Superintendent
and Chief Executive Officer

TABLE I.

GENERAL INFORMATION

1. Date of opening as a hospital for mental diseases	August 17, 1876
2. Normal capacity	4,290 patients
3. Value of hospital property—Total	\$15,378,082.77
Real estate, including buildings	12,897,761.30
Personal property	2,480,321.47
Total acreage of hospital property owned (Includes grounds, farms and gardens, and sites occupied by buildings.)	1,144
Additional acreage rented	150
Total acreage under cultivation during previous year	318

4. CENSUS OF PATIENT POPULATION AT END OF YEAR

	Resident population			Non-resident population		
	Total	Men	Women	Total	Men	Women
WHITE—Total	5,735	2,752	2,983	857	346	511
Insane	5,366	2,577	2,789	840	341	499
Epileptics . . . . .	..	..	..	..	..	..
Mental defectives	369	175	194	17	5	12
Alcoholics . . . . .	..	..	..	..	..	..
Drug addicts . . . . .	..	..	..	..	..	..
Neurosyphilitics . . . . .	..	..	..	..	..	..
All other cases (Babies) . . . . .	..	..	..	..	..	..
COLORED—Total	471	228	243	131	62	69
Insane	455	218	237	122	60	62
Epileptics . . . . .	..	..	..	..	..	..
Mental defectives	16	10	6	9	2	7
Alcoholics . . . . .	..	..	..	..	..	..
Drug addicts . . . . .	..	..	..	..	..	..
Neurosyphilitics . . . . .	..	..	..	..	..	..
All other cases . . . . .	..	..	..	..	..	..
GRAND TOTAL	6,206	2,980	3,226	988	408	580

	Total	Men	Women
5. Patients employed in industrial classes or in general hospital work on date of report	2,786	1,331	1,455
6. Voluntary patients admitted during year	418	253	165
7. Total different persons given advice or treatment in out-patient clinics during year	1,037	652	385

TABLE I.—(Continued.)

ADMINISTRATIVE STAFF IN SERVICE AT END OF YEAR

	Full Time - Part Time	
	M. W.	M. W.
Grand Total.....	753	509 1 12
MEDICAL ADMINISTRATION—Total.....	347	405 1 12
1. Superintendent and Chief Executive Officer.....	1	
2. Assistant Superintendent and Chief Executive Officer...	1	
3. Clinical Director.....	1	
4. Assistant Clinical Director.....	1	
5. Other Physicians—Total.....	27	3
a. Ward duty—direct care of in-patients.....	25	3
b. Specialists (cardiologists, roentgenologists, etc.) not on ward duty.....	1	1
c. Pathologists.....	1	
6. Dentists.....	3	
7. Dental Internes.....	2	
8. Pharmacists.....	4	
9. Graduate Nurses—Total.....	3	56 12
a. Supervisory or administrative duty.....		15
b. Ward duty—direct care of in-patients.....	2	37 12
c. Special duty (eye, ear, nose and throat, operating room, dental, colonics, etc.).....	1	4
10. Other Nurses, Psychiatric Technicians and attendants (excluding occupational therapists and 109 affiliate nurses)	239	245
a. Ward duty.....	239	245
b. Special duty.....		
11. Occupational Therapists and Assistants.....	15	23
a. Professional.....	7	16
b. Occupational Therapy Aides.....	8	7
12. Physical education directors and teachers.....	7	6
13. Medical Clerks.....	5	40
14. Other Employees.....	21	21
15. Hospital Social Service - Parole Division - Total.....	3	8
a. Director.....	1	
b. Social Workers.....	3	7

TABLE I.—(Continued.)

ADMINISTRATIVE STAFF IN SERVICE AT END OF YEAR

	Full Time - Part Time	
	M. W.	M. W.
BUSINESS ADMINISTRATION—Total.....	406	104
16. Business Manager.....	1	
17. Assistant Business Manager.....	1	
18. Clerical Employees including Stenographers and Bookkeepers.....	11	23
19. Dietitian.....		1
20. Housekeeping Employees.....	5	26
21. Farm Employees.....	88	
22. Other Employees.....	280	57
MENTAL HYGIENE CLINIC—Total.....	2	13
a. Physicians.....		
1. Director.....		
2. Assistant Director.....		
b. Director Clinic Social Workers.....		1
c. Psychologists.....	2	
d. Social Workers.....		7
e. Clerical Employees.....		5

TABLE II.

FINANCIAL STATEMENT FOR THE FISCAL YEAR ENDED JUNE 30, 1951

RECEIPTS			
1. Balance on hand from previous fiscal year.....	\$	00.00	
2. Received from appropriations.....		4,666,259.53	
3. Received from paying patients.....			
(a) Devoted to hospital use.....			
(b) Paid into State general fund.....	\$	2,411,244.61	2,411,244.61
4. Received from other government sources.....			
(a) Federal.....	\$	21,795.00	
(b) State.....			
(c) County (paid into State general fund)			
(d) City.....			21,795.00
5. Received from all other sources.....			
(a) Devoted to hospital use.....			
(b) Paid into the State general fund.....			
6. TOTAL receipts (Sum of Items 1, 2, 3, 4, and 5)	\$	7,099,299.14	
DISBURSEMENTS			
Expenditures for maintenance:			
7. Salaries and wages	\$	2,706,779.66	
8. Provisions (food)		811,252.76	
9. Fuel, light and water.....		324,933.10	
10. All other expenditures for maintenance		758,962.11	
11. TOTAL expenditures for maintenance (Sum of items 7, 8, 9, and 10)			\$4,601,927.63
12. Expenditures for improvements, including new buildings, additions, permanent betterments, etc.....		65,163.72	
13. Expenditures for other purposes (specify) Compensation Awards —Fire Loss		12,578.74	
14. TOTAL expenditures (Sum of items 11, 12, and 13).....	\$	4,679,670.09	
15. Amount returned to State treasurer or other officials		2,411,884.42	
16. Balance on hand at close of year (Non-lapsing appropriations Federal)		7,744.63	
17. TOTAL disbursements (Sum of items 14, 15, and 16; also equal to item 6).....	\$	7,099,299.14	
18. Estimated value of consumed food raised on hospital farm ...		170,020.73	
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?.....			

TABLE III.

MOVEMENT OF PATIENT POPULATION

	Total	Men	Women
1. Patients on books first day of year—Total*.....	6,944	3,272	3,672
a. Resident	5,980	2,869	3,111
b. In family care.....			
c. On visit	900	377	523
d. On temporary visit	51	15	36
e. On missing.....	13	11	2
2. Admissions during year—Total*.....	a 2,003	a 1,039	964
a. First admissions.....	a 1,431	a 746	685
b. Readmissions	547	281	266
c. Transfers from other hospitals for mental diseases.....	25	12	16
3. Total on books during year*.....	a 8,947	a 4,311	4,636
4. Discharged during year*.....	b 1,106	b 549	557
a. As recovered	449	212	237
b. As improved.....	591	283	308
c. As unimproved	8	7	1
d. As without psychosis	b 58	b 47	11
5. Transferred to other hospitals for mental diseases*.....	c 73	c 65	8
6. Died during year*.....	602	333	269
7. Total discharged, transferred and died during year*.....	d 1,781	d 947	834
8. Patients on books last day of year*.....	e 7,166	e 3,364	3,802
a. Resident.....	e 6,151	e 2,945	3,206
b. In family care.....			
c. On visit.....	965	389	576
d. On temporary visit	31	15	16
e. On missing.....	19	15	4
9. Average daily resident population*.....	6,065.8	2,919.2	3,146.8
10. Average daily population on books*.....	7,101.7	3,364	3,737.7
11. Patients placed on visit, temporary visit or missing, but still retained on books* (count the total number of times patients were transferred from resident to absent status).....	3,580	1,683	1,897
12. Patients returned to hospital from visit, tem- porary visit or missing, etc., status*.....	2,804	1,338	1,466

TABLE III. (Continued.)

MOVEMENT OF PATIENT POPULATION

	Total	Men	Women
(Supplement)			
a. Discharged directly from institution...	384	223	161
b. Discharged while on visit or otherwise absent (excluding deaths)	702	317	385
c. Deaths on visit or while otherwise absent from hospital	21	10	11

*Excluding patients transferred from other state institutions to receive special surgical or medical care of a general hospital nature. These are recorded below:

	Total	Men	Women
Receiving special care beginning of year	28	23	5
Admitted for special care	a 36	a 28	8
Discharged from special care	b 15	b 6	9
Transferred to Trenton State Hospital	c 1	c 1	
Released on extended visit during year	3	3	
Missing during year	1	1	
Died while receiving special care	1	1	
Receiving special care end of year	e 43	e 39	4
Extended visit end of year	3	3	
Missing status end of year	1	1	

SUPPLEMENT TO SPECIAL CARE SECTION

Receiving special care end of year	8	4	4
Extended visit end of year	1	1	

SEX OFFENDER SECTION

Receiving special care end of year	35	35	
Extended visit end of year	2	2	
Missing end of year	1	1	

BABY CENSUS

	Total	Men	Women
Babies receiving care in hospital beginning of year..			
Born during year	8	7	1
Discharged during year	8	7	1
Died during year			
Babies receiving care in hospital end of year			
Stillborn during year	1		1

a Includes 23 Sex Offenders

b Includes 3 Sex Offenders

c Includes 1 Sex Offender

d Includes 4 Sex Offenders

e Includes 19 Sex Offenders

TABLE IV.

NATIVITY OF FIRST ADMISSIONS AND OF PARENTS OF FIRST ADMISSIONS

NATIVITY	Patients			Parents of Male Patients			Parents of Female Patients		
	Total	Men	Women	Both Parents	Fathers	Mothers	Both Parents	Fathers	Mothers
Africa									
*Asia									
Australia									
Austria	16	7	9	10	14	12	12	14	14
Belgium				1	1	1			
†Canada	7	3	4	3	6	5	5	6	6
Central America									
China	1	1		1	1	1			
Czecho-Slovakia	12	6	6	10	12	12	9	10	10
Cuba	1		1						
Denmark	2	2		2	3	2		3	
England	15	6	9	7	11	15	16	24	20
*Europe									
Finland									
France	8	2	6	1	1	3	6	9	7
Germany	51	20	31	41	50	44	61	72	66
Greece	1		1	1	1	1	3	3	3
Holland	9	4	5	8	11	8	6	6	6
Hungary	12	6	6	14	14	17	14	14	14
India	1	1		1	1	1			
Ireland	27	14	13	35	44	40	41	47	51
Italy	87	49	38	90	97	91	74	79	75
Japan									
Jugo-Slavia				1	1	1	1	1	1
Lithuania	11	3	8	7	8	7	10	12	10
Mexico	1		1				1	1	1
Norway	3	1	2	3	3	3	1	1	2
Philippine Islands									
Poland	40	22	18	53	54	54	48	48	49
Portugal	3	2	1	3	4	3	2	2	2
Roumania	1		1				1	1	1
Russia	27	15	12	21	22	21	16	18	18
Scotland	17	7	10	10	13	11	8	9	12
South America	3	1	2	1	1	1			
Spain	3	3		3	3	3	1	1	1
Sweden	6	3	3	4	4	5	5	5	5
Switzerland	5	1	4	1	1	1	6	6	6
Turkey-in-Asia	4		4	1	1	1	5	5	5
Turkey-in-Europe									
*United States	1054	564	490	345	362	380	269	288	300
Wales									
† West Indies	3	3		2	2	2			
Other countries									
Unascertained									
Total	1431	746	685	680	746	746	621	685	685

*Not otherwise specified. †Includes Newfoundland‡ Except Cuba and Porto Rico.

TABLE IV. A

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO NATIVITY AND LENGTH OF RESIDENCE
IN THE UNITED STATES OF THE FOREIGN BORN

AGE GROUPS	Total			NATIVE BORN PARENTAGE								FOREIGN BORN TIME IN UNITED STATES BEFORE ADMISSION												Nativity Unascertained	
				Total			Native		Foreign		Mixed		Total			Under 5 years		5-9 years		10-14 years		15 years and over			
	T.	M.	W.	T.	M.	W.	M.	W.	M.	W.	M.	W.	T.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.
Total.....	1431	746	685	1054	564	490	341	269	160	160	63	61	377	182	195	17	7	4	3	7	12	154	173		
Under 15 years..	7	3	4	7	3	4	2	4			1														
15-19 years....	45	24	21	40	21	19	13	13	5	5	3	1	5	3	2	3	1		1						
20-24 years....	94	55	39	89	51	38	34	26	14	7	3	5	5	4	1	4				1					
25-29 years....	138	78	60	132	75	57	40	31	26	20	9	6	6	3	3	3	2							1	
30-34 years....	145	69	76	136	65	71	33	34	25	32	7	5	9	4	5	1	1	1	1	1	1		1	2	
35-39 years....	125	67	58	120	64	56	36	27	22	20	6	9	5	3	2	1							2	2	
40-44 years....	105	62	43	86	52	34	29	14	14	13	9	7	19	10	9	2	2				2		8	5	
45-49 years....	95	50	45	71	41	30	24	15	10	11	7	4	24	9	15		1			2	1	7	13		
50-54 years....	87	39	48	63	29	34	14	18	9	10	6	6	24	10	14			1		1	1	10	12		
55-59 years....	96	51	45	55	30	25	20	12	8	7	2	6	41	21	20			1		1	1	19	19		
60-64 years....	86	39	47	39	19	20	16	13	2	5	1	2	47	20	27	1				1	3	18	24		
65-69 years....	87	48	39	43	24	19	18	11	6	8			44	24	20					1	24	19			
70 years and over	321	161	160	173	90	83	62	51	19	22	9	10	148	71	77	2		2		2	1	65	76		
Unascertained...																									

TABLE V.
CITIZENSHIP OF FIRST ADMISSIONS

	Total	Men	Women
Citizens by birth.....	1,054	564	490
Citizens by naturalization	239	109	130
Aliens	138	73	65
Citizenship unascertained.....			
Total.....	1,431	746	685

TABLE VI.
PSYCHOSES OF FIRST ADMISSIONS

	Total	M.	W.
Psychoses			
Total.....	1,431	746	685
1. With syphilitic-meningo-encephalitis.....	11	9	2
2. With other forms syphilis of central nervous system.....	16	13	3
a. Meningo-vascular type (cerebral syphilis).....		13	3
b. With intracranial gumma.....			
c. Other types (to be specified) (Congenital).....			
3. With epidemic encephalitis	1		1
4. With other infectious diseases			
a. With tuberculosis.....			
b. With meningitis (Unspecified).....			
c. With acute chorea (Sydenham's).....			
d. With other infectious diseases (to be specified)			
Pneumonia			
e. Post-infectious psychoses.....			
5. Alcoholic.....	85	63	22
a. Pathological intoxication			
b. Delirium tremens.....		21	4
c. Korsakow's psychosis.....		7	6
d. Acute hallucinosis.....		6	4
e. Other types (to be specified)			
Paranoid, Mixed and unclassified		23	2
e1. Chronic alcoholic intoxication			5
6. Due to drugs or other exogenous poisons	2	1	1
a. Due to metals (to be specified)			
b. Due to gases (to be specified)			
c. Due to opium and derivatives			
d. Due to other drugs (to be specified) Barbiturates.....			1
7. Traumatic	2	2	
a. Traumatic delirium.....			
b. Post-traumatic personality disorders			
c. Post-traumatic mental deterioration.....			
d. Other types (to be specified) Convulsive Disorders			

TABLE VI. (Continued.)
PSYCHOSES OF FIRST ADMISSIONS

Psychoses	Total	M.	W.
8. With cerebral arteriosclerosis.....	394	196	198
9. With other disturbances of circulation.....	13	6	7
a. With cerebral embolism.....			1
b. With cardio-renal disease.....		6	6
c. Other types (to be specified).....			
10. With convulsive disorders (epilepsy).....	13	10	3
a. Epileptic deterioration.....		1	
b. Epileptic clouded states.....		9	3
c. Other epileptic types.....			
11. Senile.....	79	35	44
a. Simple deterioration.....		33	43
b. Presbyophrenic type.....		1	
c. Delirious and confused types.....			
d. Depressed and agitated types.....		1	1
e. Paranoid types.....			
12. Involutional.....	98	30	68
a. Melancholia.....		9	26
b. Paranoid types.....		4	14
c. Other types (to be specified).....		17	28
13. Due to other metabolic, etc., diseases.....	8	2	6
a. With diseases of the endocrine glands.....		2	
b. Exhaustion delirium.....			
c. Alzheimer's disease.....			2
d. Diabetes Mellitus.....			1
e. Other somatic diseases (to be specified).....			3
Cirrhosis of Liver.....			
14. Due to new growth.....	2	2	
a. With intracranial neoplasms.....		2	
b. With other neoplasms (to be specified).....			
15. With organic changes of the nervous system.....	6	1	5
a. With multiple sclerosis.....		1	2
b. With paralysis agitans.....			
c. With Huntington's chorea.....			3
d. With other brain or nervous diseases.....			
16. Psychoneuroses.....	93	57	36
a. Hysteria.....		2	2
b. Psychasthenia or compulsive states.....		2	
c. Neurasthenia.....		2	1
d. Hypochondriasis.....		1	
e. Reactive depression.....		6	6
f. Anxiety state.....		4	4
g. Mixed Psychoneurosis.....		40	23

TABLE VI. (Continued.)
PSYCHOSES OF FIRST ADMISSIONS

Psychoses	Total	M.	W.
17. Manic-depressive.....	91	31	60
a. Manic type.....		18	19
b. Depressive type.....		5	19
c. Circular type.....		1	
d. Mixed type.....		7	22
e. Perplexed type.....			
f. Stuporous type.....			
g. Other types.....			
18. Dementia Præcox.....	314	169	145
a. Simple type.....		1	4
b. Hebephrenic type.....		37	32
c. Catatonic type.....		44	38
d. Paranoid type.....		39	39
e. Other types unclassified.....		11	11
f. Type not specified Mixed.....		37	21
19. Paranoia and Paranoid conditions.....	29	14	15
a. Paranoia.....			
b. Paranoid conditions.....		14	15
20. With psychopathic personality.....	40	21	19
21. With mental deficiency.....	35	12	23
22. Undiagnosed.....	55	34	21
23. Without psychoses.....	42	36	6
a. Syphilitic meningo-encephalitis.....		1	
b. Alcoholism.....		9	5
c. Syphilis of C. N. S.		2	
d. Cerebral Arteriosclerosis.....		2	
e. Unclassified.....		1	
f. Psychopathic personality.....		18	1
f. 1 Mental deficiency.....		3	
24. Primary Behavior Disorders.....	2	2	
a. Simple adult maladjustment.....			
b. Primary behavior disorders in children.....		2	

COLOR OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSESSES

[illegible]

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

PSYCHOSES	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		50—54 years		55—59 years		60—64 years		65—69 years		70 yrs. & over	
	T.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.
TOTAL	1431	746	685	3	4	24	21	55	39	78	60	69	76	67	58	62	43	50	45	39	48	51	45	39	47	48	39	161	160
TOTAL WITH PSYCHOSES	1387	708	679	1	4	23	21	50	37	74	60	64	76	60	55	60	43	45	44	38	48	50	45	37	47	48	39	158	160
1. With syphilitic meningo-encephalitis	11	9	2											1	1			3			1	3		1					
2. With other forms of syphilis of the central nervous system	16	13	3								1	1				1		5		1	1	3		1				1	1
3. With epidemic encephalitis	1		1																1										
4. With other infectious diseases																													
5. Alcoholic	85	63	22					1	1	1	6	7	8	1	15	2	13	3	8	6	7	1	3			2			
6. Due to drugs and exogenous poisons	2	1	1														1	1											
7. Traumatic	2	2										1						1											
8. With Cerebral arteriosclerosis	394	196	198																	3	3	9	11	24	34	40	33	120	117
9. With other disturbances of circulation	13	6	7													2		2		2	2	1		1		2	1		
10. With convulsive disorders	13	10	3				1		1		3	1	1	1	1			3					1				2	35	42
11. Senile	79	35	44																								2		
12. Involutional	98	30	68																										
13. Due to other metabolic, etc., diseases	8	2	6					2					1			4	9	6	21	8	19	10	14	4	1	2			
14. Due to new growth	2	2												1								1							
15. Associated with organic changes of the nervous system	6	1	5									2			1		1						2						
16. Psychoneurosis	93	57	36			2		5	3	17	7	11	7	9	10	7	6	6	3		1	1		1	3		1		
17. Manic-depressive	91	31	60				1	2	5	3	12	7	19	7	10	9	4	1	3	2	3			2					
18. Dementia praecox	314	169	145			1	14	13	34	19	42	26	23	31	21	24	16	10	6	6	6	5					1	1	
19. Paranoia and paranoid conditions	29	14	15									1	5	2		2	3	2	1	2	2	2	2		1		1	1	
20. With psychopathic personality	40	21	19				2	2	1	3	4	4	1	4	2	3	2		2	3	1	1	2	2	1				
21. With mental deficiency	35	12	23			2	5	3	1	7	1	3	3	3	1	1			1	1	1	1	1						
22. Undiagnosed psychoses	55	34	21		1	2	2	3	1	4	2		5	2		3	5	2	2	3	2	3		2		1			
23. TOTAL WITHOUT PSYCHOSES	42	36	6			1		5	2	4			5		7	3	2	5	1	1		1						3	
24. Primary Behavior Disorders	2	2			2																								

FIRST ADMISSIONS WITHOUT PSYCHOSIS BY AGE

(Supplement to Table 8)

PSYCHOSES	Total			Under 15 yrs.		15—19 yrs.		20—24 yrs.		25—29 yrs.		30—34 yrs.		35—39 yrs.		40—44 yrs.		45—49 yrs.		50—54 yrs.		55—59 yrs.		60—64 yrs.		65—69 yrs.		70 yrs & over	
	T.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.
TOTAL WITHOUT PSYCHOSIS ..	42	36	6			1		5	2	4		5		7	3	2		5	1	1		1		2				3	
Syphilitic M. E.	1	1										1																	
Mental Deficiency.....	3	3				1				1				1															
Alcoholism	14	9	5						1					4	3	1		3	1			1							
Syphilis of C. N. S.....	2	2																		1								1	
Unclassified.....	1	1																1											
Psychopathic Personality.....	19	18	1					5	1	3		4		2		1		1										2	
Cerebral arteriosclerosis	2	2																					2						
Reactive Depression.....																													

TABLE IX.

DEGREE OF EDUCATION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

PSYCHOSES	Total			Illiterate			Reads and writes*			Common School			High School			College			Unascertained		
	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.
TOTAL.....	1431	746	685				64	41	23	960	500	460	363	179	184	44	26	18			
TOTAL WITH PSYCHOSES	1387	708	679				64	41	23	932	475	457	348	167	181	43	25	18			
1. With syphilitic meningo-encephalitis.....	11	9	2				2	2		6	4	2	3	3							
2. With other forms of syphilis of the central nervous system	16	13	3				1		1	13	12	1	2	1	1						
3. With epidemic encephalitis	1		1							1		1									
4. With other infectious diseases																					
5. Alcoholic	85	63	22				3	3		65	47	18	16	12	4	1	1				
6. Due to drugs or other exogenous poisons	2	1	1										2	1	1						
7. Traumatic.....	2	2								1	1		1	1							
8. With cerebral arteriosclerosis	394	196	198				26	16	10	303	150	153	57	26	31	8	4	4			
9. With other disturbances of circulation	13	6	7				1	1		10	4	6	2	1	1						
10. With convulsive disorders..	13	10	3				2	2		9	6	3	2	2							
11. Senile	79	35	44				7	1	6	64	31	33	8	3	5						
12. Involutional.....	98	30	68				1	1		73	20	53	23	9	14	1		1			
13. Due to other metabolic, etc., diseases.....	8	2	6							7	1	6	1	1							
14. Due to new growth.....	2	2								1	1		1	1							
15. With organic changes of the nervous system	6	1	5							4	1	3	2		2						
16. Psychoneuroses	93	57	36							43	24	19	42	28	14	8	5	3			
17. Manic-depressive	91	31	60				2	2		53	17	36	33	10	23	3	2	1			
18. Dementia Præcox.....	314	169	145				4	3	1	179	102	77	113	52	61	18	12	6			
19. Paranoia and paranoid cond.	29	14	15				1	1		18	9	9	9	4	5	1		1			
20. With psychopathic personality	40	21	19				2	2		25	15	10	11	4	7	2		2			
21. With mental deficiency	35	12	23				9	4	5	26	8	18									
22. Undiagnosed	55	34	21				3	3		31	22	9	20	8	12	1	1				
23. TOTAL WITHOUT PSYCHOSES	42	36	6							26	23	3	15	12	3	1	1				
24. PRIMARY BEHAVIOR DISORDERS.....	2	2								2	2										

*Includes those who did not complete fourth grade in school.

TABLE X.

ENVIRONMENT OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES

PSYCHOSES	Total			Urban			Rural		
	T.	M.	W.	T.	M.	W.	T.	M.	W.
TOTAL.....	1431	746	685	1355	706	649	76	40	36
TOTAL WITH PSYCHOSES.....	1387	708	679	1313	670	643	74	38	36
1. With syphilitic meningo-encephalitis.....	11	9	2	11	9	2			
2. With other forms of syphilis of the central nervous system.....	16	13	3	16	13	3			
3. With epidemic encephalitis.....	1		1	1		1			
4. With other infectious diseases.....									
5. Alcoholic.....	85	63	22	82	62	20	3	1	2
6. Due to drugs or other exogenous poisons.....	2	1	1	2	1	1			
7. Traumatic.....	2	2		2	2				
8. With cerebral arteriosclerosis.....	394	196	198	372	181	191	22	15	7
9. With other disturbances of circulation.....	13	6	7	11	6	5	2		2
10. With convulsive disorders.....	13	10	3	11	8	3	2	2	
11. Senile.....	79	35	44	76	35	41	3		3
12. Involutional.....	98	30	68	89	29	60	9	1	8
13. Due to other metabolic, etc., diseases.....	8	2	6	6	1	5	2	1	1
14. Due to new growth.....	2	2		2	2				
15. With organic changes of nervous system.....	6	1	5	6	1	5			
16. Psychoneuroses.....	93	57	36	87	54	33	6	3	3
17. Manic-depressive.....	91	31	60	89	30	59	2	1	1
18. Dementia præcox (schizophrenia).....	314	169	145	300	161	139	14	8	6
19. Paranoia and paranoid conditions.....	29	14	15	27	13	14	2	1	1
20. With psychopathic personality.....	40	21	19	37	19	18	3	2	1
21. With mental deficiency.....	35	12	23	33	11	22	2	1	1
22. Undiagnosed.....	55	34	21	53	32	21	2	2	
23. TOTAL WITHOUT PSYCHOSES.....	42	36	6	40	34	6	2	2	
24. PRIMARY BEHAVIOUR DISORDERS.....	2	2		2	2				

TABLE XI.

ECONOMIC CONDITION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO
PRINCIPAL PSYCHOSES

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unascertained		
	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.
Total.....	1431	746	685	178	58	120	1246	684	562	7	4	3			
TOTAL WITH PSYCHOSES.....	1387	708	679	175	56	119	1205	648	557	7	4	3			
1. With syphilitic meningo-encephalitis.....	11	9	2	3	2	1	8	7	1						
2. With other forms of syphilis of the central nervous system.....	16	13	3	1		1	15	13	2						
3. With epidemic encephalitis.....	1						1								
4. With other infectious diseases.....															
5. Alcoholic.....	85	63	22	4	2	2	81	61	20						
6. Due to drugs or other exogenous poisons.....	2	1	1				2	1	1						
7. Traumatic.....	2	2					2	2							
8. With cerebral arteriosclerosis.....	394	196	198	81	28	53	312	168	144	1		1			
9. With other disturbances of circulation.....	13	6	7	1	1	1	12	6	6						
10. With convulsive disorders.....	13	10	3	1	1	1	12	9	3						
11. Senile psychoses.....	79	35	44	31	4	27	48	31	17	1		1			
12. Involutional psychoses.....	98	30	68	2	1	1	95	29	66						
13. Due to other metabolic, etc., diseases.....	8	2	6				7	1	6						
14. Due to new growth.....	2	2					2	2							
15. Associated with organic changes of the nervous system.....	6	1	5				6								
16. Psychoneuroses.....	93	57	36	3	1	2	89	55	34	1		1			
17. Manic-depressive.....	91	31	60	7	1	6	82	28	54	2		2			
18. Dementia Præcox.....	314	169	145	18	8	10	295	160	135	1		1			
19. Paranoia and paranoid conditions.....	29	14	15	3	1	2	28	14	14						
20. With psychopathic personality.....	40	21	19	15	3	12	37	20	17						
21. With mental deficiency.....	35	12	23	15	3	12	20	9	11						
22. Undiagnosed.....	55	34	21	4	3	1	51	31	20						
23. TOTAL WITHOUT PSYCHOSES.....	42	36	6	2	1	1	40	35	5						
24. Primary Behavior Disorders.....	2	2		1	1		1								

COMMITTED AND VOLUNTARY ADMISSION BY PSYCHOSES

TOTAL	1431	1208	223	547	352	195
TOTAL WITH PSYCHOSES	1387	1190	197	525	350	175
1. With syphilitic meningo- encephalitis	11	11		5	4	1
2. With other forms of syphilis of the central nervous system...	16	13	3	4	4	
3. With epidemic encephalitis	1	1		2		2
4. With other infectious diseases						
5. Alcoholic	85	61	24	24	12	12
6. Due to drugs or other exogenous poisons	2	1	1			
7. Traumatic	2	2		2	1	1
8. With cerebral arteriosclerosis	394	382	12	36	33	3
9. With other disturbances of circulation	13	12	1	1	1	
10. With convulsive disorders	13	10	3	4	4	
11. Senile	79	78	1	1	1	
12. Involutional	98	72	26	53	29	24
13. Due to other metabolic, etc., diseases	8	8		1		1
14. Due to new growth	2	2				
15. Associated with organic changes of the nervous system ..	6	5	1	1	1	
16. Psychoneuroses	93	35	58	40	12	28
17. Manic-depressive	91	80	11	65	31	34
18. Dementia Præcox	314	274	40	217	165	52
19. Paranoia and paranoid conditions .	29	24	5	5	5	
20. With psychopathic personality	40	34	6	34	23	11
21. With mental deficiency	35	33	2	18	14	4
22. Undiagnosed	55	52	3	12	10	2
23. TOTAL WITHOUT PSYCHOSES....	42	16	26	22	2	20
(1) Syphilis meningo- encephalitis	1	1				
(2) Alcoholism	14		14	11	1	10
(3) Syphilis of C. N. S.	2		2			
(4) Mental deficiency	3	3				
(5) Huntington chorea				1		1
(6) Psychopathic personality	19	11	8	10	1	9
(7) Cerebral arteriosclerosis	2	1	1			
(8) Unclassified	1		1			
24. Primary Behavior Disorders.....	2	2				

MARITAL CONDITION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

	Total			Single			Married			Widowed			Separated			Divorced			Uncertained		
	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.
Total.....	1431	746	685	387	240	147	655	345	310	285	106	179	59	36	23	45	19	26			
TOTAL WITH PSYCHOSES	1387	708	679	368	222	146	634	328	306	285	106	179	56	33	23	44	19	25			
1. With syphilitic meningo-encephalitis	11	9	2	2	2		8	6	2	1	1										
2. With other forms of syphilis of the central nervous system.....	16	13	3	2	2		7	7		5	3	2	2	1	1						
3. With epidemic encephalitis.....	1		1	1																	
4. With other infectious diseases.....																					
5. Alcoholic	85	63	22	14	12	2	48	36	12	5	4	1	8	5	3	10	6	4			
6. Due to drugs or other exogenous poisons.....	2	1	1				1		1							1	1				
7. Traumatic	2	2		2	2																
8. With cerebral arteriosclerosis.....	394	196	198	45	26	19	155	94	61	175	64	111	8	6	2	11	6	5			
9. With other disturbances of circulation	13	6	7	7	5	2	10	4	1	2	1	1				1	1				
10. With convulsive disorders (epilepsy)	13	10	3	7	5	2	5	4	1	1	1										
11. Senile.....	79	35	44	10	4	6	14	8	6	54	22	32				1	1				
12. Involutional	98	30	68	12	3	9	69	24	45	14	3	11	2		2	1		1			
13. Due to other metabolic, etc., diseases	8	2	6	2	2		2	2		4	2	2									
14. Due to new growth	2	2																			
15. Associated with organic changes of the nervous system	6	1	5	1			3	1	2	2		2									
16. Psychoneuroses	93	57	36	25	16	9	61	36	25	1		2									
17. Manic-depressive	91	31	60	13	6	7	64	21	43	4	1	3	10	3	7	3					
18. Dementia Præcox (schizophrenia)	314	169	145	163	109	54	119	49	70	8	2	6	13	9	4	11		11			
19. Paranoia and paranoid conditions	29	14	15	6	2	4	16	10	6	3	1	2	3	1	2	1		1			
20. With psychopathic personality	40	21	19	12	6	6	19	11	8	4	2	2	3	2	1	2		2			
21. With mental deficiency	35	12	23	30	10	20	4	1	3	1	1	1									
22. Undiagnosed	55	34	21	15	6	6	25	14	11	3		3	4	4		2	1	1			
23. TOTAL WITHOUT PSYCHOSES.....	42	36	6	17	16	1	21	17	14												
24. Primary behavior disorders	2	2		2	2																

AGE OF READMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

(Supplement to Table 14)

[illegible]

TABLE XV.

Total	1106	549	587	449	212	237	591	283	308	8	7
Total With Psychoses	1048	502	546	449	212	237	591	283	308	8	7
1. With syphilitic meningo-encephalitis	11	7	4	7	6	1	4	1	3		
2. With other forms of syphilis of the central nervous system	18	12	6	15		6	3	3			
3. With epidemic encephalitis	1	1	1	1							
4. With other infectious diseases	67	57	10	60	5	10	7	7			
5. Alcoholic											
6. Due to drugs or other exogenous poisons	3	2	1	3		1					
7. Traumatic	2	2					2	2			
8. With cerebral arteriosclerosis	85	40	45	52	29	23	30	9	21	3	2
9. With other disturbances of circulation	1		1	1		1					
10. With convulsive disorders	9	9		7	7		2	2			
11. Senile	4		4				4		4		
12. Involuntal	131	29	102	93	20	73	37	8	29	1	1
13. Due to other metabolic, etc., diseases	1		1	1		1					
14. Due to new growth											
15. With organic changes of the nervous system	5	3	2	4	2	2	1	1			
16. Psychoneuroses	112	61	51	7	4	3	105	57	48		
17. Manic-depressive	148	45	103	120	36	84	28	9	19		
18. Dementia Præcox	322	159	163				318	155	163	4	4
19. Paranoia and paranoid conditions	30	14	16	7	2	5	23	12	11		
20. With psychopathic personality	60	40	20	45	29	16	15	11	4		
21. With mental deficiency	22	8	14	17	7	10	5	1	4		
22. Undiagnosed	16	13	3	9	8	1	7	5	2		
23. Total Without Psychoses	58	47	11								
Syphilis of C. N. S.	2	2									
Mental Deficiency	4		2								
Alcoholism	27	22	5								
Syphilitic meningo-encephalitis	1	1									
Psychopathic personality	20	16	4								
Unclassified	1	1									
Other types	3	3									

PATIENTS DISCHARGED BY DEATH WHILE ABSENT FROM HOSPITAL BY PSYCHOSIS
(Supplement to Table 15)

[illegible]

TABLE XVI.
CAUSES OF DEATH OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

CAUSES OF DEATH	Total		General Paresis		Alcoholic		With cerebral arterio-sclerosis		Convulsive disorders		Senile		Involuntional		Psycho-neuroses		Manic depressive		De-mentia praecox		Paranoia and paranoid conditions		With psychopathic personality		With Mental deficiency		All others with and without psychoses	
	T.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	
ALL DISEASES	602	333	269	13	3	11	3	185	142	2	5	35	46	5	9	1	5	5	33	34	6	4	2	3	1	32	17	
1. INFECTIOUS AND PARASITIC DISEASES.....	2	2																	2									
Tuberculosis—all forms.....	27	19	8	1		2		3	3	1	1	1		1					5	4	2		1	1		1	3	
Syphilis	9	7	2	4	2																						2	
2. CANCER AND OTHER TUMORS	18	5	13						4					2	1		1		1	5							2	
3. RHEUMATIC, NUTRITIONAL, ENDOCRINE AND OTHER GENERAL DISEASES...	2		2																								2	
4. DISEASES OF BLOOD AND BLOOD MAKING ORGANS.....	1		1																								1	
5. CHRONIC POISONING AND INTOXICATION...																												
6. DISEASES OF NERVOUS SYSTEM AND OF ORGANS OF SPECIAL SENSE	8	3	5	1				1	3					1					1	1						4	3	
Cerebral hemorrhage.....	56	24	32		1	1		16	17			4					1		2	6		1						
Mental diseases and Deficiency																												
Diseases of organs of special sense																												
7. DISEASES OF THE CIRCULATORY SYSTEM....	121	74	47	4		3	2	19	12		1	29	21	1	1		1		9	4	1	1		1	7	4		
Heart Diseases—total	229	143	86	2		1		118	66		3	3	3	3	4		2	4	4	6	1		2		7	3		
Arteriosclerosis.....	40	2	38					2	30										5									
8. DISEASES OF THE RESPIRATORY SYSTEM ..	7	7		1		1		3											2									
Bronchopneumonia.....	54	33	21		1	1	1	19	6			2	5	1			1		5	3	1	2	1		4	2		
Lobar pneumonia.....	4	3	1					2	1										1								3	
9. DISEASES OF THE DIGESTIVE SYSTEM.....	7	6	1			1		1											1									
10. DISEASES OF THE GENITO-URINARY SYSTEM																												
Nephritis.....	1	1				1																						
11. DISEASES OF PREGNANCY, CHILD-BIRTH AND PUERPERAL STATE																												
12. DISEASES OF SKIN AND CELLULAR TISSUE..																												
13. DISEASES OF THE BONES AND ORGANS OF LOCOMOTION.....																												
14. CONGENITAL MALFORMATIONS																												
15. DISEASES OF EARLY INFANCY.....																												
16. SENILITY.....	12		12					1		1		12							1									
17. VIOLENT AND ACCIDENTAL DEATHS(Suicide)	4	4																										
18. ILL-DEFINED CAUSES																												

TABLE XVII.

AGE OF PATIENTS AT TIME OF DEATH

PSYCHOSES	Total	Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70 years & over
TOTAL	602		2	3	2	5	4	4	22	28	45	61	89	337
With psychosis.....	599		2	3	2	5	4	4	22	27	44	61	88	337
Without psychosis...	3									1	1		1	
MALE—TOTAL.....	333		1	2	1	5	3	2	14	13	24	36	60	172
With psychosis.....	331		1	2	1	5	3	2	14	13	23	36	59	172
Without psychosis...	2										1		1	
FEMALE—TOTAL.....	269		1	1	1		1	2	8	15	21	25	29	165
With psychosis.....	268		1	1	1		1	2	8	14	21	25	29	165
Without psychosis...	1									1				

TOTAL DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN HOSPITAL CLASSIFIED ACCORDING TO PRINCIPAL PSYCHOSES

PSYCHOSES	TOTAL			Less than 1 month		1—3 months		4—6 months		7—11 months		1 year		2 years		3—4 years		5—9 years		10—19 ⁺ years		20 years and over	
	T.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.
TOTAL	602	333	269	72	55	60	44	32	20	10	15	29	27	22	22	24	14	30	22	32	22	22	28
TOTAL WITH PSYCHOSES	599	331	268	72	55	60	44	32	20	10	15	29	27	22	22	23	13	29	22	32	22	22	28
1. With syphilitic meningo-encephalitis	16	13	3			2		2				1				1		1	1	5		1	2
2. With other forms of syphilis of the central nervous system	13	11	2	1				1						1		2		6			2		
3. With epidemic encephalitis	1		1												1								
4. With other infectious diseases																							
5. Alcoholic	14	11	3	5		1	1			2						2		1	1		1		
6. Due to drugs or other exogenous poisons	1	1		1																			
7. Traumatic	1	1																		1			
8. With cerebral arteriosclerosis	327	185	142	47	36	43	23	18	14	6	9	23	16	15	16	14	10	11	10	7	7	1	1
9. With other disturbances of circulation	9	6	3	2	2	1		2					1	1									
10. With convulsive disorders	7	2	5															2	3				2
11. Senile	81	35	46	13	13	10	14	6	4		5	2	4	1	4	2	1	1	1				
12. Involuntal	14	5	9		2		1	1	1		1	1			1		1		1	2	2		
13. Due to other metabolic, etc., diseases	5	1	4		1	1	1						2										
14. Due to new growth	2	2		1				1															
15. Associated with organic changes of the nervous system	2	1	1												1			1					
16. Psychoneuroses	1	1														1							
17. Manic-depressive	10	5	5										1					1	2	2	1	1	1
18. Dementia præcox	67	33	34		1	1	2	1					2	3		1		1	2	10	6	16	20
19. Paranoia and paranoid conditions	10	6	4							1		1						1		2		1	1
20. With psychopathic personality	2	2																1		1			
21. With mental deficiency	4	3	1															1		1		1	1
22. Undiagnosed psychoses	12	7	5	2		1	2		1	1			1					1	1	1		1	
TOTAL WITHOUT PSYCHOSES	3	2	1													1	1	1					

DEATHS IN HOSPITAL BY TOTAL DURATION OF HOSPITAL LIFE OF CASES WITHOUT PSYCHOSIS

(Supplement to Table 18)

[illegible]

TABLE XIX
AGE ON FIRST ADMISSION

COUNTY	Total	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-over
Bergen.....	337			7	18	27	29	26	20	29	19	18	29	28	27	23	25	9	3
Essex.....	407		2	12	27	43	36	42	29	20	19	34	26	28	23	26	26	8	6
Hudson.....	132		1	7	15	17	22	14	10	8	13	9	3	3	3	3	2	2	
Hunterdon.....	1								1										
Mercer.....	2				1								1						
Middlesex.....	3					2			1										
Monmouth.....																			
Morris.....	168		1	4	9	12	16	19	13	19	6	14	7	7	10	11	13	4	3
Ocean.....																			
Passaic.....	337		3	14	21	35	37	19	29	17	29	19	17	19	26	28	16	6	2
Somerset.....	11						1	1	2		1	1	1	1	1	2			
Sussex.....	21				2	2	1	4		2		1	2			4	3		1
Union.....	11			1	1		2					1		1	2	2	1		
Warren.....	1						1												
Total.....	1431		7	45	94	138	145	125	105	95	87	96	86	87	92	99	86	29	15

AGE ON READMISSIONS

Bergen.....	106			5	15	16	16	12	11	6	8	6	8	2	1				
Essex.....	165		5	6	23	21	20	25	17	17	11	8	6	6	3	1		1	
Hudson.....	75		1	7	8	9	9	6	14	7	7	4	2	1					
Hunterdon.....																			
Mercer.....																			
Middlesex.....																			
Morris.....	89			4	10	5	14	10	9	8	8	11	2	3	1	1	4		
Ocean.....	1																		
Passaic.....	94		1	7	4	13	12	17	13	11	9	3	1	1	1	2			
Somerset.....	5					1	1	1			1		1			1			
Sussex.....	8			2	1	1	2	1		2	1								
Union.....	4				1	1	1	1			1								
Warren.....																			
Total.....	547		7	31	62	66	74	72	64	51	45	32	20	10	8	4	1		

AGE OF RESIDENT POPULATION

		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90 & Over
Men	Total 2965	1	17	79	135	195	268	339	376	300	283	285	280	170	128	68	25	16
Women	3210	2	16	62	126	226	282	316	322	325	354	331	267	246	174	97	49	15
Total	6175	3	33	141	261	421	550	655	698	625	637	616	547	416	302	165	74	31

COUNTY AND COLOR OF POPULATION AND ADMISSIONS

County of legal residence*	**Resident population June 30			Non-resident population June 30			First admissions during year			Readmissions during year		
	T	W	N	T	W	N	T	W	N	T	W	N
All Counties	6206	5735	471	988	857	131	1431	1257	174	547	509	38
Atlantic	2	2										
Bergen	1248	1205	43	235	221	14	337	318	19	106	103	3
Burlington	1	1		1		1						
Camden	2	1	1	1		1						
Cape May												
Cumberland	1	1										
Essex	1953	1647	306	309	224	85	407	305	102	165	136	29
Gloucester												
Hudson	746	708	38	119	116	3	132	122	10	75	75	
Hunterdon	4	4					1	1				
Mercer	5	5		2	1	1	2	1	1			
Middlesex	18	17	1	4	3	1	3	3				
Monmouth	12	10	2	4	4							
Morris	575	545	30	94	88	6	168	158	10	89	86	3
Ocean	2	2								1	1	
Passaic	1352	1307	45	193	175	18	337	306	31	94	91	3
Salem	1	1										
Somerset	20	20		4	4		11	11		5	5	
Sussex	83	83		12	12		21	21		8	8	
Union	133	129	4	9	8	1	11	10	1	4	4	
Warren	5	5					1	1				
Special Cases	43	42	1	1	1							
CITY OF RESIDENCE												
Atlantic City												
Camden												
Elizabeth	49	47	2	1	1		3	2	1			
Jersey City	353	328	25	58	55	3	66	56	10	26	26	
Newark	1539	1300	239	236	159	77	314	221	93	114	90	24
New Brunswick	1	1		1	1		4	4				
Paterson	708	671	37	99	88	11	172	152	20	47	45	2
Trenton	1	1					1	1				

*Includes 51 patients on temporary visit.

CITY* OR STATE OF RESIDENCE OF RESIDENT POPULATION—JUNE 30, 1951

CITY	TOTAL		CITY	TOTAL		CITY	TOTAL		CITY	TOTAL	
	WHITE	NEGRO		WHITE	NEGRO		WHITE	NEGRO		WHITE	NEGRO
TOTAL	6206	5735	671	71	68	3	71	68	3	29	29
TOTAL NEW JERSEY	6206	5735	671	37	37	25	37	37	25	42	41
Asbury Park										4	4
Atlantic City										47	44
Bayonne										20	17
Belleville										13	13
Bergenfield										53	51
Bloomfield										1	1
Burlington										51	51
Camden										1	1
Carteret										18	18
Citifside Park										5	5
Clifton										28	28
Collingswood										19	16
Cranford										2	2
Dover											
East Orange											
Elizabeth											
Englewood											
Garfield											
Gloucester											
Hackensack											
Harrison											
Hawthorne											
Hillside											
Hoboken											
Irvington											
Jersey City											
Kearny											
Linden											
Lodi											
Long Branch											
Lyndhurst											
Maplewood											
Millburn											
Montclair											
Morristown											
Neptune											
Newark											
New Brunswick											
North Bergen											
North Plainfield											
Nutley											
Orange											
Passaic											
Paterson											
Perth Amboy											
Phillipsburg											
Plainfield											
Pleasantville											
Rahway											
Red Bank											
OTHER N. J. COM-MUNITIES	1559	1513	46	8	8	37	8	8	37	1559	1513
OUT OF STATE - TOTAL											
Delaware											
Maryland											
New York											
Pennsylvania											
Indiana											
Ohio											

*Cities of 10,000 population or more. 1940 Census.

Total number from other Essex County communities, . . . 27.

List number and color in these communities on reverse side.

CITY	TOTAL	WHITE	NEGRO
Caldwell	7	7	
Cedar Grove.....	6	6	
Glen Ridge.....	4	4	
Livingston.....	4	4	
Roseland.....	1	1	
Short Hills.....	2	2	
Verona.....	3	3	
Essex Fells			
Total	27	27	

CITY* OR STATE OF RESIDENCE OF FIRST ADMISSIONS—JUNE 30, 1951

CITY	TOTAL	WHITE	NEGRO
TOTAL.....	1431	1257	174
TOTAL NEW JERSEY..	1431	1257	174
Asbury Park			
Atlantic City			
Bayonne.....	12	12	
Belleville.....	4	4	
Bergenfield	4	4	
Bloomfield.....	7	7	
Burlington.....			
Camden			
Carteret	4	4	
Cliffside Park	35	35	
Clifton			
Collingswood.....	1	1	
Cranford.....	21	20	1
Dover.....	18	13	5
East Orange.....	3	2	1
Elizabeth.....	26	17	9
Englewood	16	16	
Garfield			
Gloucester.....	46	40	6
Hackensack.....	5	5	
Harrison.....	6	6	
Hawthorne.....	4	4	
Hillside			
Hoboken	6	6	
Irvington	15	15	
Jersey City	66	56	10
Kearny.....	11	11	
Linden			
Lodi	7	7	
Long Branch.....			
Lyndhurst	21	21	
Maplewood.....	3	3	
Millburn	1	1	
Montclair.....	6	5	1
Morristown	27	21	6
Neptune.....			
Newark.....	314	221	93
New Brunswick	4	4	
North Bergen	13	13	
North Plainfield.....			
Nutley	5	5	
Orange.....	10	8	2
Passaic.....	85	76	9
Paterson.....	172	152	20
Perth Amboy			
Phillipsburg.....			
Plainfield.....			
Pleasantville			
Rahway			
Red Bank.....	1		1
Ridgefield Park	17	17	
Ridgewood	5	5	
Roselle	2	1	1
Rutherford.....	11	11	
South Orange.....	5	5	
South River.....			
Summit.....	1	1	
Teaneck.....	15	14	1
Trenton	1	1	
Union City	6	6	
Union (Twp.)			
Weehawken	2	2	
Westfield			
West New York.....	5	5	
West Orange	4	4	
Woodbridge			
OTHER N. J. COM- MUNITIES	378	370	8
OUT OF STATE - TOTAL			
Delaware			
Maryland.....			
New York			
Pennsylvania.....			
Indiana.....			
Ohio.....			

*Cities of 10,000 population or more. 1940 Census.

Total number from other Essex County communities.....9.

List number and color in these communities on reverse side.

CITY	TOTAL	WHITE	NEGRO
Caldwell	5	5	✓
Cedar Grove			
Glen Ridge	1	1	
Essex Fells			
Livingston	2	2	
Roseland			
Short Hills			
Verona	1	1	
Total	9	9	

CITY* OR STATE OF RESIDENCE OF READMISSIONS—JUNE 30, 1951

CITY	TOTAL	WHITE	NEGRO
TOTAL.....	547	509	38
TOTAL NEW JERSEY..	547	509	38
Asbury Park			
Atlantic City			
Bayonne.....	12	12	
Belleville.....	4	4	
Bergenfield	3	3	
Bloomfield.....	2	2	
Burlington.....			
Camden			
Carteret	7	7	
Cliffside Park	14	14	
Clifton			
Collingswood.....			
Cranford.....			
Dover	12	12	
East Orange	12	10	2
Elizabeth	9	6	3
Englewood	7	7	
Garfield			
Gloucester.....	6	6	
Hackensack.....	3	3	
Harrison.....	2	2	
Hawthorne.....			
Hillside			

CITY	TOTAL	WHITE	NEGRO
Hoboken	7	7	
Irvington	3	3	
Jersey City	26	26	
Kearny.....	5	5	
Linden			
Lodi	1	1	
Long Branch.....			
Lyndhurst	5	5	
Maplewood			
Millburn	1	1	
Montclair.....	7	6	1
Morristown	21	19	2
Neptune.....			
Newark.....	114	90	24
New Brunswick			
North Bergen	3	3	
North Plainfield	1	1	
Nutley	3	3	
Orange.....	6	4	2
Passaic.....	22	21	1
Paterson.....	47	45	2
Perth Amboy			
Phillipsburg.....			
Plainfield.....			
Pleasantville			
Rahway			
Red Bank.....			

CITY	TOTAL	WHITE	NEGRO
Ridgefield Park	5	5	
Ridgewood	4	4	
Roselle			
Rutherford	7	7	
South Orange	3	3	
South River.....			
Summit.....	1	1	
Teaneck.....	3	3	
Trenton			
Union City	12	12	
Union (Twp.)			
Weehawken	4	4	
Westfield	1	1	
West New York.....	5	5	
West Orange	3	3	
Woodbridge			

OTHER N. J. COM-MUNITIES	134	133	1
OUT OF STATE - TOTAL			
Delaware			
Maryland			
New York			
Pennsylvania			
Indiana			
Ohio.....			

*Cities of 10,000 population or more. 1940 Census.

Total number from other Essex County communities. 5

List number and color in these communities on reverse side*

CITY	TOTAL	WHITE	NEGRO
Caldwell	2	2	
Cedar Grove.....			
Glen Ridge.....			
Essex Fells.....			
Livingston.....	1	1	
Roseland.....			
Short Hills.....	1	1	
Verona.....	1	1	
Total	5	5	

COUNTRY OF BIRTH OF FIRST ADMISSIONS BY COLOR

State of Birth of Native Born	Total	White	Negro	Country of Birth of Foreign Born	Total	White	Negro
Alabama.....	6		6	NORTHERN EUROPE			
Colorado.....				Denmark	2	2	
Connecticut.....	8	7	1	Norway	3	3	
District of Columbia...	1	1		Sweden	6	6	
Florida.....	4	2	2	SOUTHERN EUROPE			
Georgia.....	28	1	27	Italy.....	87	87	
Illinois.....	3	3		Portugal.....	3	3	
Indiana.....	5	5		Spain	3	3	
Iowa.....	2	2		EASTERN EUROPE			
Kansas.....	1	1		Russia	27	27	
Kentucky.....	1		1	WESTERN EUROPE			
Louisiana.....	2		2	England.....	15	15	
Maine.....	1	1		France.....	8	8	
Maryland.....	10	5	5	Ireland.....	27	27	
Massachusetts.....	6	6		Scotland.....	17	17	
Michigan.....	4	4		CENTRAL EUROPE			
Mississippi.....	1		1	Austria.....	16	16	
Missouri.....	3	3		Belgium.....			
Minnesota.....	3	3		Czecho-Slovakia.....	12	12	
New Hampshire.....	2	2		Germany.....	51	51	
New Jersey.....	663	619	44	Holland.....	9	9	
New York.....	154	151	3	Hungary.....	12	12	
Nevada.....	1	1		Lithuania.....	11	11	
North Carolina.....	29		29	Poland.....	40	40	
Ohio.....	4	4		Roumania.....	1	1	
North Dakota.....	1	1		Switzerland.....	5	5	
Pennsylvania.....	47	43	4	OTHER COUNTRIES			
Rhode Island.....	3	3		British West Indies.....	3	2	1
South Carolina.....	21	1	20	Canada.....	7	7	
Tennessee.....	1	1		China.....	1	1	
Texas.....	2	1	1	Cuba.....	1	1	
Utah.....	1	1		Greece.....	1	1	
Vermont.....	1	1		South America.....	3	3	
Virginia.....	31	5	26	Turkey in Europe.....	4	4	
West Virginia.....	1		1	India.....	1	1	
Wisconsin.....	1	1		Mexico.....	1	1	
Puerto Rico.....	2	2					
TOTAL	1054	881	173		377	376	1

LENGTH OF TIME IN NEW JERSEY OF NATIVE BORN FIRST ADMISSIONS
PRIOR TO ADMISSION

Length of Time	Total	First admissions who spent specified time in N. J.
Less than 1 year	12	
1 year less than 2	14	14
2 years less than 3	22	22
3 years less than 4	15	15
4 years less than 5	14	14
5 years less than 10	84	84
10 years and over	893	893
Not stated		
TOTAL	1054	1042

LENGTH OF TIME IN NEW JERSEY AND IN UNITED STATES OF FOREIGN BORN
FIRST ADMISSIONS PRIOR TO ADMISSION

Length of Time	Total	Who spent spec. time in New Jersey	Who spent spec. time in U.S.
Less than 1 year	7		7
1 year less than 2	14		14
2 years less than 3	11		11
3 years less than 4	3		3
4 years less than 5	6		6
5 years less than 10	24	24	24
10 years and over	312	312	312
Not stated			
TOTAL	377	336	377

COUNTRY OF BIRTH OF FIRST ADMISSIONS UNASCERTAINED

TABLE SHOWING IN DETAIL MANNER OF SUPPORT

June 30, 1951

COUNTY	INDIGENT			ST. INDIGENT			PRIVATE			CONVICT			CRIMINAL			TOTAL		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Atlantic	460	596	1056	66	88	154	7	24	31							533	708	1241
Bergen	1	1	2													1	1	2
Burlington	1	1	2													1	1	2
Camden	1	1	2													1	1	2
Cumberland	771	712	1483	181	196	377	29	55	84							982	963	1945
Essex	229	229	458	123	102	225	14	42	56							366	374	740
Hudson	2	2	4													2	2	4
Hunterdon	2	2	4													2	2	4
Mercer	2	1	3				1	1	2							3	2	5
Middlesex	6	11	17													6	12	18
Monmouth	3	5	8													5	7	12
Monmouth	221	235	456	44	41	85	4	23	27							269	300	569
Morris	1	1	2													1	1	2
Ocean	577	598	1175	72	65	137	15	21	36							664	684	1348
Passaic																		
Salem	3	9	12				4	2	6							9	11	20
Somerset	39	26	65				5	8	13							46	37	83
Sussex	25	72	97				4	18	22							36	97	133
Union	2	3	5													2	3	5
Warren	34	34	68				1		1							35	3	38
Special cases sex	4	4	8													4	4	8
Special cases	2381	2507	4888	499	502	1001	84	199	283							2965	3210	617
Total																		

NOTE--In all indigent cases where inquiry has not been held, or final court order has not been received, the patients are credited to the County from which they were sent.

