

Forty-Seventh Annual Report

OF THE

Charles V. Chapin Hospital

Providence, R. I.

FOR THE YEAR ENDING

September 30, 1956



PROVIDENCE
THE OXFORD PRESS
1957

338

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ADMINISTRATIVE STAFF

October 1, 1955 — September 30, 1956

Superintendent

Hilary J. Connor, M. D.

Assistant Superintendent and Clinical Director

Edward J. West, M. D.

Assistant Superintendents

Stephen F. Lehman, M. D.

Juergen Nicolas, M. D.

Senior Resident Physician

*Paulo A. Botelho, M. D.

Psychiatric Department

DIRECTOR

Sidney S. Goldstein, M. D.

RESIDENT PHYSICIANS

**Jefim Weremczuk, M. D.

**Paulo A. Botelho, M. D.

*Carl E. Greuner, M. D.

*Hans J. Wolfschlag, M. D.

Pathologist

LeRoy W. Falkinburg, M. D.

Roentgenologist

Manuel Horwitz, M. D.

Director of Laboratories

Albert V. Troppoli, A.B., Sc.M.

Director of Nursing Service and School of Nursing

Carmela Salvatore, R. N.

*Appointed July, 1956.
**Resigned July, 1956.

Assistant Directors of Nursing Service

Communicable Disease Division

Elizabeth Regan McKenna, R. N.

Psychiatric Division

Susan Tanzi Marcello, R. N.

Instructor

*Anna M. Neri, R. N., B. S.

Assistant Instructor

Sally Foster Hopkins, R. N.

Business Manager

William A. Manning

Social Workers

Eileen A. O'Connor

Ruth F. Levy

**Barbara Cronin

Clinical Psychologist

Charles Devine

Matron

Mary H. Farrell

Dietitian

Ruth Davidson

Pharmacist

Frank Colacci, Ph. G.

Engineer

James E. Kelly

Housemother—Nurses' Home

Albina R. Merrill

*Appointed December, 1955.

**Resigned September, 1956.

**HOUSE-OFFICERS WHO SERVED DURING YEAR
' ENDING SEPTEMBER 30, 1956**

Residents in Pediatrics

(Service Completed)

Buenaventura C. Medina, M. D.	June 30, 1956
Erlinda C. Roldan, M. D.	June 30, 1956
Ingeburg Kultzen, M. D.	June 30, 1956
Tal Uck Park, M. D.	
Chung Hi Lyou Kim, M. D.	
Conrado M. Recio, M. D.	
Jorge E. Alonso, M. D.	
Florosa A. Bautista, M. D.	
Luz G. Palattao, M. D.	

*Affiliate Residents in
Pediatrics for Communicable
Disease Training*

(From St. Clare's Hospital)

Veneracion Buhay, M. D.

**(From Rhode Island
Hospital)**

Robert A. Brogan, M. D.

**(From St. Francis
Hospital)**

John G. Gorman, M. D.
Gustavo G. C. Diaz, M. D.

Affiliate Interns

**(From Beth-Israel
Hospital)**

Maurice B. Burg, M. D.
Bernard Kliman, M. D.
Lester Greenspoon, M. D.
Sue Buckingham, M. D.
Lewis E. Braverman, M. D.
Ernest H. Picard, M. D.
Murray D. Rosenberg, M. D.
Daniel Kaplan, M. D.
Hershel Jick, M. D.

**(From St Joseph's
Hospital)**

Peter P. Reilly, M. D.
John F. McCarthy, M. D.
Gaetano J. Ferrante, M. D.
Allan A. DiSimone, M. D.
Guy Geffroy, M. D.

CONSULTING STAFF
PHYSICIANS

John E. Donley, M. D.	Prescott T. Hill, M. D.
Frank T. Fulton, M. D.	William H. Roberts, M. D.
Halsey DeWolf, M. D.	Kalei K. Gregory, M. D.
Albert H. Miller, M. D.	Carl D. Sawyer, M. D.
James F. Boyd, M. D.	Earl F. Kelly, M. D.
William P. Buffum, M. D.	Herman A. Lawson, M. D.
Hilary J. Connor, M. D.	Banice Feinberg, M. D.
Paul C. Cook, M. D.	Ira C. Nichols, M. D.
Frank H. Mathews, M. D.	Pasquale V. Indeglia, M. D.
Roswell S. Wilcox, M. D.	Edward A. McLaughlin, M. D.
Elihu S. Wing, M. D.	Norman A. Johnson, M. D.
Henry E. Utter, M. D.	Richard E. Haverly, M. D.
Arthur H. Ruggles, M. D.	William H. Foley, M. D.
Charles A. McDonald, M. D.	Alfred C. Conte, M. D.
A. Roland Newsam, M. D.	John T. Monahan, M. D.
Julius G. Kelley, M. D.	Lucy E. Bourn, M. D.
James Hamilton, M. D.	Edmund J. Sydlowski, M. D.
Niles Westcott, M. D.	Daniel D. Young, M. D.
Robert M. Lord, M. D.	Clarence J. Riley, M. D.
Meyer Saklad, M. D.	John C. Ham, M. D.
Alex M. Burgess, M. D.	Francesco Ronchese, M. D.
Cecil C. Dustin, M. D.	Wallace Lisbon, M. D.
Edward T. Streker, M. D.	William B. Cohen, M. D.
Francis H. Chafee, M. D.	Harold G. Calder, M. D.
Jacob P. Warren, M. D.	Gustavo A. Motta, M. D.
Francis V. Corrigan, M. D.	Malcolm Winkler, M. D.
Morgan Cutts, M. D.	Frank J. Honan, M. D.
Frank A. Merlino, M. D.	Elihu Saklad, M. D.

SURGEONS

George W. VanBenschoten, M. D.	Frank J. McCabe, M. D.
Roland Hammond, M. D.	Michael J. O'Connor, M. D.
John J. Gilbert, M. D.	Alfred L. Potter, M. D.
William A. Mahoney, M. D.	Francis B. Sargent, M. D.

Ralph Stolworthy, D. M. D.	Rudolph W. Pearson, M. D.
Benjamin S. Sharp, M. D.	Edward S. Cameron, M. D.
Charles O. Cooke, M. D.	Mihran A. Chapian, M. D.
John W. Sweeney, M. D.	Anthony V. Migliaccio, M. D.
Vincent J. Oddo, M. D.	Nathan A. Bolotow, M. D.
Francis V. Garside, M. D.	George F. Conde, M. D.
Henry J. Gallagher, M. D.	Mark Rittner, M. D.
Ira H. Noyes, M. D.	James H. Fagan, M. D.
Joseph C. Johnston, M. D.	Joseph B. Webber, M. D.
James A. McCann, M. D.	Lucius C. Kingman, M. D.
Henry McCusker, M. D.	Clarence E. Bird, M. D.
Edmond C. Laurelli, M. D.	William M. Muncy, M. D.
Raymond F. Hacking, M. D.	Anthony Corvese, M. D.
Robert R. Baldrige, M. D.	Walter J. Molony, M. D.
Gordon J. McCurdy, M. D.	Charles Potter, M. D.
Frank W. Dimmitt, M. D.	Wilfred Pickles, M. D.
Eske Windsberg, M. D.	Lee G. Sannella, M. D.
Eliot A. Shaw, M. D.	Craig S. Houston, M. D.
John G. Walsh, M. D.	Frank I. Matteo, M. D.
Daniel V. Troppoli, M. D.	Joseph Franklin, M. D.
	H. Frederick Stephens, M. D.

COURTESY STAFF—Private Surgical Unit

Edmund Billings, M. D.	Waldo O. Hoey, M. D.
Charles W. Cashman, Jr., M. D.	Albert H. Jackvony, M. D.
Edmund B. Curran, M. D.	Paul B. Metcalf, Jr., M. D.
Jesse P. Eddy, 3rd, M. D.	John C. Myrick, M. D.
Edward V. Famiglietti, M. D.	Vahey M. Pahigian, M. D.
Charles L. Farrell, M. D.	Robert W. Riemer, M. D.
	Orland F. Smith, M.D.

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*Carl E. Greuner, M. D.

LeRoy

Mar

Dire
Albert

Director of Nursing
Carl

*Appointed July, 1956.
**Resigned July, 1956.

Pat
M. I.

HANS
**Paulo A. Botelho, M. D.
*Hans J. Wolfschlag, M. D.

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James A. McCann, M. D.	Lucius C. Kingman, M. D.
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Daniel V. Troppoli, M. D.	Joseph Franklin, M. D.
H. Frederick Stephens, M. D.	

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Charles W. Cashman, Jr., M. D.	Albert H. Jackvony, M. D.
Edmund B. Curran, M. D.	Paul B. Metcalf, Jr., M. D.
Jesse P. Eddy, 3rd, M. D.	John C. Myrick, M. D.
Edward V. Famiglietti, M. D.	Vahey M. Pahigian, M. D.
Charles L. Farrell, M. D.	Robert W. Riemer, M. D.
Orland F. Smith, M.D.	

(The Board of Hospital Commissioners elects, at its October meeting, the staff which is to serve commencing the next January. Following is the staff elected to serve during 1956 and incorporated in it are changes made prior to October 1956.)

VISITING STAFF
DEPARTMENT OF MEDICINE

In-Patient Department

PHYSICIAN-IN-CHIEF

Louis I. Kramer, M. D.

VISITING PHYSICIANS

Earle H. Brennen, M. D.	Robert G. Murphy, M. D.
Ezra A. Sharp, M. D.	Russell S. Bray, M. D.
Jacob Greenstein, M. D.	Frank D. Fratantuono, M. D.
William L. Leet, M. D.	David Litchman, M. D.
Irving A. Beck, M. D.	John T. Keohane, M. D.

ASSISTANT VISITING PHYSICIANS

William Fain, M. D.	George E. Kirk, M. D.
Joseph G. McWilliams, M. D.	Gustaf Sweet, M. D.
William J. O'Connell, M. D.	Herbert F. Hager, M. D.
Laurence A. Mori, M. D.	Michael DiMaio, M. D.
Erwin O. Hirsch, M. D.	

Out-Patient Department

PHYSICIAN-IN-CHARGE

Louis I. Kramer, M. D.

VISITING PHYSICIANS

Robert Maiello, M. D.	James J. Sheridan, M. D.
Edwin B. O'Reilly, M. D.	James F. Hardiman, M. D.
Nathan J. Kiven, M. D.	Pasquale J. Pesare, M. D.
John J. Lury, M. D.	*Jaroslaw Koropey, M. D.
*Walter F. Fitzpatrick, Jr., M. D.	James J. Scanlan, M. D.
Robert E. Carroll, M. D.	Erwin O. Hirsch, M. D.
*Richard J. Martin, M. D.	E. Allen Casey, M. D.
Jacob Stone, M. D.	R. Thomas Stevens, M. D.
Raymond E. Moffitt, M. D.	

*Leave of absence

DEPARTMENT OF PULMONARY DISEASES

In-Patient Department

PHYSICIAN-IN-CHIEF

Peter F. Harrington, M. D.

VISITING PHYSICIANS

James B. Moran, M. D. Thomas H. Murphy, M. D.

Out-Patient Department

PHYSICIAN-IN-CHARGE

Peter F. Harrington, M. D.

VISITING PHYSICIANS

James B. Moran, M. D. Thomas H. Murphy, M. D.

**DEPARTMENT OF DERMATOLOGY AND
SYPHILOLOGY**

In-Patient Department

PHYSICIAN-IN-CHIEF

Vincent J. Ryan, M. D.

VISITING PHYSICIANS

Bencil L. Schiff, M. D. Carl S. Sawyer, M. D.

Out-Patient Department

PHYSICIAN-IN-CHARGE

Vincent J. Ryan, M. D.

VISITING PHYSICIANS

Bencil L. Schiff, M. D. Carl S. Sawyer, M. D.

DEPARTMENT OF PEDIATRICS

In-Patient Department

PHYSICIAN-IN-CHIEF

Maurice Adelman, M. D.

VISITING PHYSICIANS

Reuben C. Bates, M. D. Isadore Gershman, M. D.
 Reginald A. Allen, M. D. D. William J. Bell, M. D.

Assistant Visiting Physicians

William P. Shields, M. D. Maurice N. Kay, M. D.
 Eric Denhoff, M. D. John P. Grady, M. D.
 Herman B. Marks, M. D. Hilary H. Connor, M. D.
 Clara Loitman-Smith, M. D. Frank Giunta, M. D.

Out-Patient Department

PHYSICIAN-IN-CHARGE

Maurice Adelman, M. D.

VISITING PHYSICIANS

Bruno G. DeFusco, M. D. Peter L. Mathieu, Jr., M. D.
 Richard K. Whipple, M. D. *Mario Vigliani, M. D.
 Earle F. Cohen, M. D. Betty B. Mathieu, M. D.
 Vincent P. Rossignoli, M. D. Harold B. Lang, M. D.
 Rudolf A. Jaworski, M. D. Ruth Appleton, M. D.
 Briand N. Beaudin, M. D. John E. Farley, Jr., M. D.
 George H. Taft, M. D. Alexander A. Jaworski, M. D.
 John T. Barrett, M. D. John F. Hogan, M. D.
 Leonard B. Bellin, M. D. Joseph T. Barrett, M. D.
 Gilbert Houston, M. D. Robert M. Lord, Jr., M. D.
 Gerald Solomons, M. D. Sophie N. Wlassich, M. D.
 William L. Mauran, Jr., M. D.

Allergist

Stanley S. Freedman, M. D.

DEPARTMENT OF NEURO-PSYCHIATRY**In-Patient Department**

PHYSICIAN-IN-CHIEF

William N. Hughes, M. D.

*Leave of absence

VISITING PHYSICIANS

Nora P. Gillis, M. D. Himon Miller, M. D.
Kathleen M. Barr, M. D. Ernest A. Burrows, M. D.
Sarah M. Saklad, M. D.

Out-Patient Department

PHYSICIAN-IN-CHARGE

William N. Hughes, M. D.

VISITING PHYSICIANS

Hugh E. Kiene, M. D. Walter E. Campbell, M. D.
Barry B. Mongillo, M. D. Thomas L. Greason, M. D.
*Sidney S. Goldstein, M. D. Raymond L. Willard, M. D.
David J. Fish, M. D. Dominic L. Coppolino, M. D.

DEPARTMENT OF UROLOGY

In-Patient Department

SURGEON-IN-CHIEF

Howard K. Turner, M. D.

VISITING SURGEON

John F. Streker, M. D.

ASSISTANT VISITING SURGEONS

Ralph V. Sullivan, M. D. Arthur J. Clarkin, Jr., M. D.
Nathan Chaset, M. D. Vincent I. MacAndrew, M. D.
Ernest K. Landsteiner, M. D. Anthony J. Rotelli, M. D.
William S. Klutz, M. D.

Out-Patient Department

SURGEON-IN-CHARGE

Howard K. Turner, M. D.

*Leave of absence

DEPARTMENT OF SURGERY

In-Patient Department

SURGEON-IN-CHIEF

J. Murray Beardsley, M. D.

VISITING SURGEONS

Charles J. Ashworth, M. D. David Freedman, M. D.
Adolph W. Eckstein, M. D. Ralph D. Richardson, M. D.

ASSISTANT VISITING SURGEONS

Seebert J. Goldowsky, M. D. Leland W. Jones, M. D.
Wilfred I. Carney, M. D. Robert Gorfine, M. D.
Thomas C. McOsker, M. D. J. Robert Bowen, M. D.
Arnold Porter, M. D. Richard P. Sexton, M. D.
Thomas Perry, Jr., M. D. Joseph E. Caruolo, M. D.

DEPARTMENT OF NEUROSURGERY

In-Patient Department

SURGEON-IN-CHIEF

Hannibal Hamlin, M. D.

VISITING SURGEON

Julius Stoll, Jr., M. D.

DEPARTMENT OF ORTHOPEDICS

In-Patient Department

SURGEON-IN-CHIEF

William A. Horan, M. D.

VISITING SURGEONS

William V. Hindle, M. D. Ralph F. Pike, M. D.
Vincent Zecchino, M. D. Stanley D. Simon, M. D.

Out-Patient Department

SURGEON-IN-CHARGE

William A. Horan, M. D.

VISITING SURGEONS

William V. Hindle, M. D. Ralph F. Pike, M. D.
Vincent Zecchino, M. D. Stanley D. Simon, M. D.

DEPARTMENT OF EAR, NOSE AND THROAT

In-Patient Department

SURGEON-IN-CHIEF

Herman A. Winkler, M. D.

VISITING SURGEONS

Linley C. Happ, M. D. Thomas L. O'Connell, M. D.
Thomas R. Littleton, M. D.

Bronchoscopist

Linley C. Happ, M. D.

Out-Patient Department

SURGEON-IN-CHARGE

Herman A. Winkler, M. D.

VISITING SURGEONS

Linley C. Happ, M. D. Thomas R. Littleton, M. D.
Thomas L. O'Connell, M. D. Richard Rice, M. D.

DEPARTMENT OF OPHTHALMOLOGY

In-Patient Department

SURGEON-IN-CHIEF

F. Charles Hanson, M. D.

VISITING SURGEONS

Morris Botvin, M. D. Milton G. Ross, M. D.
Linus A. Sheehan, M. D. Nathaniel D. Robinson, M. D.
James H. Cox, M. D. Donald S. McCann, M. D.

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James H. Cox, M. D. Donald S. McCann, M. D.

DEPARTMENT OF DENTISTRY

In-Patient Department

DENTAL SURGEON-IN-CHIEF

Walter C. Robertson, D. M. D.

VISITING DENTISTS

J. Stafford Allen, D. D. S. Charles F. Cannon, D. M. D.
Nicholas G. Migliaccio, D. M. D. Francis M. Hackett, D. D. S.
Harry Goldberg, D. D. S. Leo Kantorowitz, D. D. S.

DEPARTMENT OF ANESTHESIA

In-Patient Department

PHYSICIAN-IN-CHIEF

Samuel Pritzker, M. D.

VISITING ANESTHETISTS

Nathan S. Rakatansky, M. D. Thomas A. Egan, M. D.
Priscilla Sellman, M. D. William A. McDonnell, M. D.
Americo J. Pedorella, M. D. Herbert Ebner, M. D.
Parker Mills M. D. Nicholas Pournaras, M. D.

Consulting Bacteriologist

Professor Charles A. Stuart

Charles V. Chapin Hospital

Historical

The hospital is under the control of the Board of Hospital Commissioners, made up of five members, of which the Mayor is ex-officio chairman, the Superintendent of Health, an ex-officio member, and three other members chosen by the City Council, one each year for a three-year period of service.

This hospital was built for the purpose of caring for all kinds of contagious diseases and originally was known as the Providence City Hospital.

It is built on a plot of land, nearly square, twenty-five acres in extent, that expansion into a large general hospital might at any time be undertaken without the acquisition of additional property.

The original cost, including land, was about \$450,000. It was opened for the treatment of patients March 1, 1910.

In 1912, at a cost of about \$50,000, the expansion of the hospital was deemed necessary and a unit for advanced cases of tuberculosis was built. The capacity of the hospital was thereby raised to one hundred and ninety beds, one hundred and forty for acute communicable and venereal diseases, and fifty for advanced cases of pulmonary tuberculosis. In 1930 the nurses' home with 139 rooms, a psychopathic building with 60 beds for the care of psychiatric patients, and additions to both the service and laundry plants were completed at a cost of \$700,000.00. At the same time a general Out-Patient Department was inaugurated and housed in the lower floor of the psychopathic building. On January 6, 1932 an addition to the isolation building was completed for the accommodation of fourteen private patients suffering from infectious diseases. In 1944, cubicles were constructed in the ward for tuberculosis, reducing the number of beds to 41, making the total capacity of the hospital 253.

Patients are admitted on the recommendation of any practicing physician and the hospital works in close harmony with the City Health Department.

All patients are asked to pay for their treatment according to their financial means, though no one is refused treatment because of his inability to pay.

At a meeting of the Board of Hospital Commissioners on December 21, 1931, in accordance with a resolution passed by the City Council on December 7, 1931, the name of the Providence City Hospital was changed to the Charles V. Chapin Hospital. The purpose of this resolution was to respect and to pay homage to Dr. Charles V. Chapin, who was about to resign as Superintendent of Health, after a continuing service of forty-eight years and who, by virtue of holding this office had been a member of the Board of Hospital Commissioners since that body had been organized. It was largely through his efforts that the hospital had been built. Not only had he been given the responsibility of planning the construction, but during all the years which had followed he had frequently visited to observe the functioning of his endeavors. He was rewarded in this eminent manner for his faithful devotion to the welfare and health of this community which, through pride for his world-wide fame as a public health officer, esteemed no honor too great for the distinction he had brought on our city. He resigned as Superintendent of Health, January, 1932.

Dr. Chapin died January 31, 1941 after a lingering illness incidental to his age. He was in his eighty-sixth year at the time of death. In many ways this hospital will be a reminder of the affections in which he was held in this community and will be a monument to his great talents in preventive medicine and public health measures.

On October 11, 1939, Dr. Richardson resigned as superintendent of the hospital, after serving with distinction in this

capacity from 1910, to assume a similar responsibility at the Rhode Island Hospital. At the opening of the institution, in collaboration with Dr. Chapin, he was instrumental in the development of a new principle of aseptic technique as applied to the prevention and spread of communicable diseases. How well this theory gained favor was soon manifest by its trial and acceptance throughout the country by many leading clinicians, who in this complimentary manner, testified to the adequacy of its merits. By his resignation the hospital lost a distinguished manager and the city a faithful servant.

Dr. William Hindle took office as superintendent on January 1, 1940. He was well known to the medical profession of Rhode Island and had given many years of service to the citizens of the State, with his practice mainly limited to pediatrics. As its second superintendent, Dr. Hindle courageously led the hospital through trying war years and earnestly strove to improve and increase its services. In his sudden death on July 26, 1945, the hospital suffered a great loss.

On September 14, 1945, Dr. Hilary J. Connor was elected by the Board of Hospital Commissioners to fill the vacancy.

Report of the Board of Hospital Commissioners

To the Honorable City Council:

The Board of Hospital Commissioners presents its Annual Report for the fiscal year ending September 30, 1956.

The reports of the Superintendent and the heads of departments describe in detail the activities and accomplishments of the hospital.

The spectacular advances of scientific medicine in recent years and the degree of success achieved by modern public health measures in the control and prevention of communicable diseases, have a significant influence upon the function and activities of a hospital originally built for the purpose of treating contagious diseases. The Board of Hospital Commissioners has recognized the necessity of adjusting to changing conditions in the health of the public served by the Chapin Hospital, and the responsibility for careful planning in order to make the best use of the hospital facilities. The possibility that the Salk or other new vaccines may eliminate large epidemics of poliomyelitis will have a further and pronounced effect upon the hospital's functions. In spite of the promise of such a desirable public health accomplishment, it is not yet possible to know with certainty what degree of success will be attained in the immediate future. Poliomyelitis may continue to be a problem until the means of prevention have been perfected and universally employed for the protection of children and adults as well. Infectious diseases for which there are as yet no sure and specific means of prevention remain, and new disease or changes in the virulence or prevalence of other contagious diseases may create future problems.

Nevertheless, the Board shares with others the hope that ultimately the isolation and treatment of contagious diseases will cease to be an important problem and is devoting time and thought in planning other ways in which the Chapin Hospital may continue to serve the community. Intelligent planning requires that the hospital continue to provide adequate facilities for the care of contagious diseases for the present. New programs should not interfere with the expansion of such facilities if needed for any epidemic. The Board hopes also that any new program instituted will be one for which there is the greatest need, or for which there may as yet not be adequate facilities elsewhere in the community. The Superintendent has referred to this problem in his report and mentioned the plan of rendering service to retarded children. The Board recognizes the need for constant thought and the desirability of cooperative planning with other hospitals, public health and social agencies, in order to successfully achieve its goal of most useful service to the citizens of Providence and other communities of the State.

Changes in the hospital staff during the year were as follows:

APPOINTED TO VISITING STAFF

Joseph E. Caruolo, M. D.	Ralph F. Pike, M. D.
E. Allen Casey, M. D.	Nicholas Pournaras, M. D.
Dominic L. Coppolino, M. D.	Richard Rice, M. D.
Robert E. Martin, M. D.	Stanley D. Simon, M. D.
William L. Mauran, Jr., M. D.	R. Thomas Stevens, M. D.
Raymond E. Moffit, M. D.	Raymond D. Willard, M. D.

TRANSFERRED TO CONSULTING STAFF

Harold G. Calder, M. D.	Elihu Saklad, M. D.
Frank J. Honan, M. D.	H. Frederick Stephens, M. D.
Gustavo A. Motta, M. D.	Malcolm Winkler, M. D.

RESIGNATIONS

Arthur B. Kern, M. D. Bernard Rapoport, M. D.
 David J. LaFia, M. D. Charles Zurawski, M. D.
 Martin J. O'Brien, M. D.

The Board of Hospital Commissioners is happy once again to express its appreciation of the faithful and efficient service of workers in all departments of the hospital, and to acknowledge the debt which it and all citizens of the community owe to the faithful and devoted physicians and surgeons of the hospital's visiting and consulting staffs who have continued to render, without charge, their invaluable service to the people of Providence and the state of Rhode Island.

Respectfully submitted,

Walter H. Reynolds
 HONORABLE WALTER H. REYNOLDS, Mayor
 JOSEPH SMITH, M. D., Supt. of Health
 JAMES H. FAGAN, M. D.
 ROBERT E. CARROLL, M. D.
 HERMAN A. LAWSON, M. D., Secretary

Joseph Smith, M.D.
James H. Fagan, M.D.
Robert E. Carroll, M.D.
Herman A. Lawson, M.D.

Superintendent's Report

To the Board of Hospital Commissioners:

I herewith submit the annual report of the hospital, including both statistical and financial data, for the year ending September 30, 1956. The following tables, in condensed form, furnish information concerning the activities of the hospital. A small number of resultant discrepancies may be noted which are due to departmental transfers. For example: During the year an admission to the Neuro-Psychiatric service who was discharged as a communicable disease case, would appear in the admissions under Neuro-Psychiatry but in the discharges under Communicable.

STATISTICS FOR ALL PATIENTS

	1956			1955		
	Total	Male	Female	Total	Male	Female
Number of patients in hospital at end of fiscal year.....	80	32	48	173	75	98
Total number of patients admitted during the year.....	1,934	995	939	2,891	1,515	1,376
Live births.....	1		1	1	1	
Number of patients in hospital at beginning of fiscal year.....	173	75	98	121	60	61
Total number of patients under treatment.....	2,107	1,070	1,037	3,012	1,575	1,437
Total number of patients discharged.....	2,027	1,038	989	2,839	1,500	1,339
Average daily population.....	113.6			132.2		
Average residence.....	20.5			17.0		
Largest number in any one day.....	191			186		
Smallest number in any one day.....	67			93		
Total days' treatment.....	41,569			48,249		
Total number of deaths.....	31			39		
Number of deaths within 48 hours.....	10			17		
Fatality for all cases.....	1.5			1.4		
Total visits to Out-Patient Dept.....	9,482			8,810		

PEDIATRIC, NON-COMMUNICABLE

	1956			1955		
	Total	Male	Female	Total	Male	Female
Number of patients in hospital at end of fiscal year.....	14	7	7	3	1	2
Number of patients admitted during the year.....	339	196	143	591	352	239
Number of patients in hospital at beginning of fiscal year.....	3	1	2	2	1	1
Total number of patients under treatment.....	342	197	145	593	353	240
Number of patients discharged.....	325	187	138	586	344	242
Average daily population.....	11.1			10.2		
Average residence.....	12.4			12.0		
Number of deaths.....	3			6		
Number of deaths within 48 hours.....	1			2		
Fatality rate.....	0.9			1.0		
Days' treatment.....	4,019			7,023		

PEDIATRIC COMMUNICABLE

	1956			1955		
	Total	Male	Female	Total	Male	Female
Number of patients in hospital at end of fiscal year.....	12	4	8	101	54	47
Number of patients admitted during the year.....	462	253	209	877	473	404
Number of patients in hospital at beginning of fiscal year.....	101	54	47	66	32	34
Total number of patients under treatment.....	563	307	256	943	505	438
Number of patients discharged.....	556	307	249	844	456	388
Average daily population.....	48.8			55.6		
Average residence.....	32.1			24.1		
Number of deaths.....	8			11		
Number of deaths within 48 hours...	3			8		
Fatality rate.....	1.4			1.3		
Days' treatment.....	17,863			20,302		

COMMUNICABLE, ALL AGES

	1956			1955		
	Total	Male	Female	Total	Male	Female
Number of patients in hospital at end of fiscal year.....	17	6	11	131	59	72
Number of patients admitted during the year.....	566	304	262	1,044	542	502
Number of patients in hospital at beginning of fiscal year.....	131	59	72	78	41	37
Total number of patients under treatment.....	697	363	334	1,122	583	539
Number of patients discharged.....	685	361	324	998	528	470
Average daily population.....	66.8			66.6		
Average residence.....	32.8			24.4		
Number of deaths.....	19			22		
Number of deaths within 48 hours...	8			10		
Fatality rate.....	2.8			2.3		
Days' treatment.....	22,443			24,312		

PEDIATRIC

	1956			1955		
	Total	Male	Female	Total	Male	Female
Number of patients in hospital at end of fiscal year.....	26	11	15	104	55	49
Number of patients admitted during the year.....	801	449	352	1,468	824	644
Number of patients in hospital at beginning of fiscal year.....	104	55	49	68	33	35
Total number of patients under treatment.....	905	504	401	1,536	857	679
Number of patients discharged.....	881	494	387	1,430	800	630
Average daily population.....	59.8			74.9		
Average residence.....	24.8			19.1		
Number of deaths.....	11			17		
Number of deaths within 48 hours...	4			10		
Fatality rate.....	1.2			1.2		
Days' treatment.....	21,882			27,325		

MEDICAL

	1956			1955		
	Total	Male	Female	Total	Male	Female
Number of patients in hospital at end of fiscal year.....	7	1	6	2	1	1
Number of patients admitted during the year.....	98	36	62	117	44	73
Number of patients in hospital at beginning of fiscal year.....	2	1	1	5	2	3
Total number of patients under treatment.....	100	37	63	122	46	76
Number of patients discharged.....	92	36	56	116	49	67
Average daily population.....	2.9			2.7		
Average residence.....	11.7			8.6		
Number of deaths.....	2			3		
Number of deaths within 48 hours....	0			0		
Fatality rate.....	2.2			2.6		
Days' treatment.....	1,072			997		

NEURO-PSYCHIATRY

	1956			1955		
	Total	Male	Female	Total	Male	Female
Number of patients in hospital at end of fiscal year.....	42	18	24	37	14	23
Number of patients admitted during the year.....	931	459	472	972	492	480
Number of patients in hospital at beginning of fiscal year.....	37	14	23	36	16	20
Total number of patients under treatment.....	968	473	495	1,008	508	500
Number of patients discharged.....	925	454	471	972	494	478
Average daily population.....	38.3			42.0		
Average residence.....	15.2			15.8		
Number of deaths.....	7			7		
Number of deaths within 48 hours....	1			5		
Fatality rate.....	0.8			0.72		
Days' treatment.....	14,035			15,325		

During the period from October 1, 1955 through September 30, 1956, the average daily population was 113.6 compared to 132.2 in 1955. The largest number of patients in the hospital on any one day was 191 compared to 186 in 1955. The total number of patients under treatment in 1956 was 2,107 and in the previous year it was 3,012. The total days' treatment was 41,569 compared to 48,249 in 1955.

These figures show a considerable decrease in the number of cases admitted. Although there was some decrease in the number of patients admitted to the psychopathic department, the main decline occurred in the communicable disease division.

This is not the first time that there has been a considerable decrease in contagious and infectious diseases in this area and we have no good reason to believe that the

end of contagious diseases is in sight. The Salk vaccine gives promise, if taken advantage of by adults as well as children, of reducing our poliomyelitis incidence to a marked degree in the future. There seems to be a feeling among some medical authorities that the extensive use of the present-day antibiotics has shown a definite effect on the necessity of hospitalizing the younger patients with infectious diseases. However, the ability of disease organisms to develop resistance to the various antibiotics must not be dismissed lightly, and the development of new viruses cannot be ignored.

The utilization of the facilities at the Chapin Hospital to the best advantage has been under study for some time. Whatever program is decided upon, it should be a flexible one and subject to change, as the needs of medical care in our population are changing constantly. It should also be emphasized that it is still necessary to provide facilities for the care of contagious diseases in our community.

With the absence of a poliomyelitis epidemic this past year, we were again able to open (in July) the Hindle Building for the care of non-contagious disease in children. A new program for the examination and care of retarded children has been inaugurated in which the staff of the Rhode Island Society for Crippled Children and Adults has been integrated with the hospital staff.

Continuation of the poliomyelitis epidemic through the first three months of the 1956 fiscal year, with a total of 429 cases, resulted in the most extensive epidemic in the history of the hospital. Rhode Island had the third highest incidence rate per 100,000 of population among all the states of the country. Massachusetts and Wisconsin were first and second.

I am happy to say that at no time was there any lack of necessary equipment for the care of these patients. In regard to personnel, every effort was made to obtain extra

help. In spite of the tremendous demand for nursing care, we continued to provide special nurses, without extra charge, to all seriously sick patients. Undoubtedly several lives were saved by this policy, which would otherwise have been lost.

I would like again to express my appreciation to all personnel for the tremendous job performed during this trying period. The care, kindness, sympathy, and attention given to the patients cannot be described adequately by my words. I would like to also thank again the individuals, various agencies, and hospitals which supplied equipment and personnel to the hospital. Following are some of the agencies: Providence County Chapter of the National Foundation for Infantile Paralysis, the American Red Cross, the American Physical Therapy Association, the Providence District Nurses' Association, the Providence Health Department, the State Health Department, the Warren District Nursing Association, the Providence School Department, the Rhode Island State Nurses' Association, and the Rhode Island League for Nursing.

The hospital continued to perform certain services for the Department of Health and the Department of Public Welfare. These include the compounding of prescriptions, examination of food handlers, and the providing of facilities for examination and treatment, including X-ray examinations, for the Division of Tuberculosis of the Health Department. During the year, 2,553 food handlers received physical examinations, and during the previous year the number was 2,575.

The total operating expense for the year was \$1,104,367.01 compared to \$1,049,847.24 in 1955. Gross income amounted to \$778,073.02, including the \$200,000.00 State of Rhode Island grant. The per capita cost for the fiscal year for all in-patients was \$25.23 compared to \$20.49 in 1955.

The reader is referred to the report of the business manager, Mr. Manning, and to the financial statistics for detailed information.

The 1924 bequest of Miss Henrietta R. Palmer, with its accumulated interest, was used during this fiscal year for the purchase of needed equipment. Included were three adult model respirators, with attachments, one portable aspirator, one blood bank refrigerator, and various items for our laboratory.

RESEARCH FELLOWSHIP

Mr. John E. Verna completed his work on June 30, 1956 and has submitted a paper, "Estimation of Vi Antigen by a Direct Hemagglutination Test", for publication.

He was succeeded by Mr. John P. Reilly who worked three months during the summer making a statistical study of the poliomyelitis epidemic.

NURSING DEPARTMENT

This department has functioned satisfactorily during the year, with a fairly high percentage of the personnel quota filled. For further information, the reader is referred to the report of the Director of Nursing Service.

LABORATORY

The number of examinations (45,886) in 1956 shows a drop from the number of 53,399 in 1955. Full details of the work performed is given in the report of Dr. Falkinburg.

X-RAY DEPARTMENT

The X-ray examinations for 1956 increased to 4,487 from the 3,871 done the previous year. Parts of the body X-rayed numbered 4,680 as against 4,095 in 1955. For further information, the reader is referred to the report of the Roentgenologist.

PHARMACY

The number of prescriptions filled and the revenue are shown below:

PRESCRIPTIONS	
Out-patient clinics	2,355
Employees' clinic	1,395
Nurses' clinic	873
City poor physicians	392
	5,015
REVENUE	
Out-patient clinics	\$ 633.05
Health Department	115.90
City poor physicians	549.70
	\$1,298.65

DIETARY DEPARTMENT

Meals served during the last fiscal year numbered 270,664 compared to 290,717 the year before. The cost of raw food rose from 36¢ to 38¢ per meal. The report of the Dietitian gives further information.

LAUNDRY

Last year 571,770 pounds of linen were processed as compared to a total of 532,142 in 1955.

AMBULANCE SERVICE

The following figures are self-explanatory:

	1955		1956	
	Trips	Mileage	Trips	Mileage
Ambulance No. 1	312	1,563	406	1,965
Ambulance No. 2	515	2,876	486	2,459
Station Wagon	1,152	5,764	932	4,053
Truck		4,697		3,816

PLANT MAINTENANCE

A full report of this division of the hospital is given by the Engineer, Mr. Kelly, and appears elsewhere in this report.

PEDIATRIC RESIDENCY PROGRAM

Plans for a two-year pediatric training program for residents were completed and submitted for approval by the Residency Review Committee representing the American Board of Pediatrics and the Council on Medical Education and Hospitals of the American Medical Association. In addition to thirteen and one-half months at this hospital, the program provides for the following affiliations: Massachusetts General Hospital, six months; Providence Lying-In Hospital, one and one-half months; and the Bradley Home for three months.

MEDICAL PERSONNEL

There was no change in the administrative medical staff during the year. The residents in pediatrics, psychiatry, and affiliate residents and interns will be found listed elsewhere in this report. Twelve fourth-year students from Tufts College Medical School were assigned here during the year for training in pediatrics.

CONCLUSION

In closing, I wish to express my appreciation to the Board of Hospital Commissioners for their intense interest in the welfare of the hospital, and the city officials for their willingness and cooperation in improving the hospital as a whole.

Respectfully submitted,

HILARY J. CONNOR, M. D.
Superintendent

Financial Report

FOR YEAR ENDING SEPTEMBER 30, 1956

EXHIBIT 1

REVENUE RECEIPTS

In-Patient Department:		
Communicable, Pediatric and Other.....	\$339,632.25	
Neuro-Psychiatric Diseases	121,361.04	
Surgical	495.00	
Operating Room	138.00	
X-Ray	4,003.50	
Laboratory	16,716.21	
Drugs	28,530.13	
Ambulance	46.00	
Shock Treatments	9,735.90	
Sundries	552.00	
Telephone	4.70	
	\$521,214.73	
Out-Patient Department:		
Fees	\$ 369.15	
Examinations—Food Handlers	1,700.00	
	2,069.15	
Wassermann Tests		
Examinations		
Sheep Cells, Gold Curves, Etc. }	\$ 49.00	
	49.00	
X-Ray Service	\$ 214.98	
	214.98	
Drug Room Service.....	\$ 1,285.65	
	1,285.65	
Miscellaneous Earnings:		
Refunds	\$ 1,849.15	
Telephone	545.54	
Abstracts	149.00	
Materials	502.03	
Meals	129.50	
Donations	1.00	
Salary Checks Redeposited.....	151.71	
Miscellaneous	8.25	
	3,336.18	
Gross Revenue Receipts.....	\$528,169.69	
Deduct:		
Refunds on Advance Payments.....	1,591.07	
Net Revenue Receipts.....	\$526,578.62	
Add:		
Revenue from Meals and Lodgings.....	27,958.03	
Total Revenue Receipts	\$554,536.65	

EXHIBIT 2

DEPARTMENTAL EXPENDITURES

Opening Inventories	\$ 53,415.84	
Meals and Lodgings	27,958.03	
Expenditures (Schedule A)	1,084,800.41	\$1,166,174.28
Less:		
Closing Inventories	61,807.27	<u>\$1,104,367.01</u>
Neuro-Psychiatric	\$ 290,409.68	
*Pediatric (Hindle Building)	15,708.72	
Communicable, Pediatric, and Other	742,547.03	
Out-Patient	28,381.80	
City Health Department:		
Pulmonary Clinic	16,520.53	
Inspector of Milk	2,676.38	
Laboratory Examinations	379.77	
State Cardiac Clinic	1,469.37	
Other Non-Patient Costs	6,135.86	
(Schedule B)	\$1,104,229.14	
Add:		
Uncleared Balance of Costs	137.87	<u>\$1,104,367.01</u>

*Inactive during first nine months of this period.

EXHIBIT 3

STATEMENT OF INCOME AND EXPENSES

Income:		
Services Rendered:		
In-Patients	\$ 690,664.12	
Other	40,437.38	
Total Services		\$ 731,101.50
Deductions:		
Contract Adjustments	\$ 23,946.91	
Tuberculosis Health Problems	16,743.15	
General Public Assistance	128,881.00	
Service to Employees and Trainees	8,621.50	
X-Ray (Incident to Shock Therapy)	392.50	
Courtesy Services	2,129.45	
Research	272.00	
Total Deductions		\$ 180,986.51
Net Services Rendered		\$ 550,114.99
Add Other Income:		
Meals	\$ 20,922.84	
Lodgings	7,035.19	
Total Other Income		27,958.03
Gross Income		\$ 578,073.02
Expenses:		
Salaries	\$ 734,089.41	
Supplies Used	370,277.60	
Total Expenses		1,104,367.01
Net Operating Deficit		\$ 526,293.99
Deduct:		
State of Rhode Island Grant	200,000.00	
Net Deficit for Period		<u>\$ 326,293.99</u>

EXHIBIT 4

MAINTENANCE COSTS FOR ALL IN-PATIENTS.

	Operating Cost.	Receipts.	Net Expense.	Hospital Days.	Per Gross Capita Cost.	Per Net Capita Cost.
1910....	\$33,720.66	\$1,328.13	\$32,392.53	22,052	\$1.52	\$1.47
1911....	62,549.01*	3,271.66	59,277.35	35,939	1.74	1.65
1912....	82,005.29*	5,270.95	76,734.34	43,320	1.89	1.77
1913....	83,337.56*	4,040.81	79,296.75	44,974	1.85	1.76
1914....	86,879.81	5,109.77	81,770.04	42,235	2.06	1.93
1915....	92,401.57†	5,570.10	86,831.47	52,029	1.78	1.67
1916....	99,483.85	8,121.27	91,362.58	52,364	1.89	1.74
1917....	112,779.75	11,006.05	101,773.70	46,123	2.44	2.22
1918....	119,685.05	10,577.13	109,107.92	46,675	2.56	2.34
1919....	136,915.76‡	19,129.18	117,786.58	54,937	2.49	2.14
1920....	171,700.14	18,096.85	153,603.29	49,516	3.47	3.10
1921....	160,068.46	16,060.24	144,008.22	44,253	3.61	3.25
1922....	152,749.51§	13,215.49	139,534.02	38,302	3.99	3.64
1923....	162,682.64¶	17,567.56	145,115.07	44,505	3.65	3.26
1924....	192,766.84	29,542.42	163,224.42	47,087	4.09	3.46
1925....	189,294.45	19,806.11	169,488.34	39,771	4.76	4.26
1926....	197,911.43	19,157.22	178,754.21	44,538	4.44	4.01
1927....	209,427.48	25,997.75	183,429.73	46,076	4.55	3.98
1928....	221,123.50	32,940.33	188,183.17	48,250	4.58	3.90
1929....	237,062.99	34,368.34	202,694.65	46,213	5.13	4.39
1930....	289,237.97	29,608.34	259,629.63	47,482	6.09	5.47
1931....	328,464.09	44,470.78	283,993.31	70,045	4.69	4.05
1932....	329,393.09	44,817.92	284,575.17	73,137	4.50	3.89
1933....	289,002.01	29,736.84	259,265.17	73,595	3.93	3.52
1934....	293,635.61	34,721.51	258,914.10	70,745	4.15	3.66
1935....	299,648.73	37,600.20	262,048.53	71,245	4.21	3.68
1936**...	300,566.47	45,241.46	255,325.01	75,514	3.98	3.38
1937**...	291,595.01	52,618.02	238,976.99	78,923	4.01	3.69
1938**...	314,049.60	53,170.83	262,731.21	68,357	4.59	3.84
1939**...	331,284.40	61,042.10	272,307.21	67,328	4.92	4.04
1940**...	360,772.06	80,906.21	279,865.85	67,182	5.37	4.17
1941....	362,369.82	81,147.38	281,222.44	63,077	5.74	4.46
1942....	347,275.15	101,495.73	245,779.42	57,197	6.07	4.92
1943....	377,379.52	120,581.55	256,797.97	57,066	6.61	4.50
1944....	371,786.26	158,902.31	212,883.95	55,154	6.74	3.86
1945....	451,026.53	113,358.43	337,668.10	45,585	9.89	6.12
1946....	517,988.52	145,793.47	372,195.05	48,608	10.66	7.66
1947....	544,021.93	.....	.....	55,774	9.75	.....
1948....	627,797.89	.....	.....	48,872	12.85	.....
1949....	627,884.08	.....	.....	48,542	12.93	.....
1950....	684,064.02	.....	.....	47,858	14.29	.....
1951....	697,606.95	.....	.....	42,740	16.32	.....
1952....	759,762.36	.....	.....	44,337	17.14	.....
1953....	792,645.89	.....	.....	56,667	13.99	.....
1954....	869,372.00	.....	.....	48,872	17.79	.....
1955....	988,571.92	.....	.....	48,249	20.49	.....
1956....	1,048,665.43	.....	.....	41,569	25.23	.....

* This includes the cost of the hospital proper and the smallpox hospital but not the day camp. † Purchase, repair and equipment of lot and buildings not included. ‡ Does not include purchase of three story dwelling for employees. § Does not include installing refrigerator plant, or passageway between administration building and service building. ¶ Does not include new mangle. ** Does not include receipts from Health Department for services rendered.

EXHIBIT 5

OUT-PATIENT DEPARTMENT.

	Operating Cost.	Receipts.	Net Expense.	Visits.	Cost Per Visit.
1918.....	\$9,287.46	\$6,695.53	\$2,591.93	17,415	\$0.53
1919.....	5,161.79	5,523.27	361.48	24,497	.21
1920.....	11,318.41	11,335.60	17.19	25,712	.44
1921.....	13,067.30	8,522.81	4,544.49	29,536	.44
1922.....	14,182.60	8,140.62	6,041.98	28,228	.50
1923.....	11,574.02	7,239.32	4,334.70	18,384	.62
1924.....	12,226.10	7,107.67	5,118.43	19,289	.63
1925.....	14,085.75	7,628.34	6,457.41	20,175	.70
1926.....	14,206.88	7,031.00	7,175.88	19,891	.71
1927.....	12,764.46	7,369.90	5,394.56	20,755	.62
1928.....	12,718.02	6,121.33	6,596.69	22,787	.56
1929.....	13,793.69	6,869.11	6,924.58	25,971	.53
1930.....	16,394.36	7,877.23	8,517.13	30,788	.53
1931.....	17,194.95	8,051.12	9,143.83	34,195	.50
1932.....	16,707.88	6,260.19	10,447.69	39,275	.43
1933.....	15,990.54	7,373.55	8,616.99	44,871	.36
1934.....	16,654.07	5,136.96	11,517.11	41,766	.40
1935.....	17,687.47	5,354.44	12,333.03	37,785	.47
1936*	17,640.41	4,120.73	13,519.68	35,345	.50
1937*	23,420.63	4,051.12	19,369.51	37,817	.66
1938*	18,976.65	3,762.08	15,214.57	37,700	.55
1939*	18,275.93	2,921.57	15,354.36	34,796	.53
1940*	16,686.74	3,031.58	13,655.16	29,828	.56
1941.....	16,701.66	4,001.93	12,699.73	27,716	.60
1942.....	19,188.09	3,733.60	15,454.49	26,439	.73
1943.....	13,252.79	3,522.35	11,752.79	18,273	.73
1944.....	17,150.57	3,367.10	13,783.47	14,622	1.17
1945.....	18,989.48	5,096.97	13,892.51	13,922	1.36
1946.....	17,723.45	4,154.50	13,568.95	13,401	1.32
1947.....	28,028.70	.....	.....	13,701	2.05
1948.....	27,810.89	.....	.....	12,239	2.27
1949.....	29,212.69	.....	.....	12,955	2.26
1950.....	28,476.41	.....	.....	13,131	2.17
1951.....	28,975.65	.....	.....	11,163	2.60
1952.....	35,281.67	.....	.....	10,769	3.28
1953.....	26,907.96	.....	.....	9,819	2.74
1954.....	31,730.03	.....	.....	8,512	3.73
1955.....	32,299.83	.....	.....	8,810	3.66
1956.....	28,381.80	.....	.....	9,482	2.99

* Does not include receipts from Health Department or Department of Public Aid for services rendered.

EXHIBIT 6

MAINTENANCE COST OF OTHER NON-PATIENTS

1947.....	\$3,927.73	(Schedule B)
1948.....	3,911.49	(Schedule B)
1949.....	3,682.46	(Schedule B)
1950.....	4,109.21	(Schedule B)
1951.....	3,931.85	(Schedule B)
1952.....	4,476.17	(Schedule B)
1953.....	3,768.21	(Schedule B)
1954.....	4,320.98	(Schedule B)
1955.....	6,502.25	(Schedule B)
1956.....	6,135.86	(Schedule B)

EXHIBIT 7

MAINTENANCE COST OF INFECTIOUS, PEDIATRIC AND OTHER DISEASES

	Operating Cost	Receipts	Net Expense	Hospital Days	Per Gross Capita Cost	Per Net Capita Cost
1932	\$231,231.42			57,600	\$4.01	....
1933	205,937.93	\$23,765.36	\$182,172.57	58,592	3.51	\$3.11
1934	201,555.51	23,098.61	178,456.90	55,460	3.63	3.22
1935	202,946.00	26,171.92	176,774.08	53,838	3.77	3.28
1936	192,756.12	32,984.95	159,771.17	54,751	3.52	2.92
1937	187,762.02	40,443.76	149,318.26	59,089	3.21	2.53
1938	195,847.85	33,947.07	161,900.78	48,931	4.00	3.31
1939	212,690.47	37,977.19	174,713.28	49,852	4.26	3.50
1940	202,047.64	30,111.91	171,935.73	47,462	4.27	3.62
1941	205,109.66	27,499.83	177,609.83	43,882	4.67	4.05
1942	210,495.41	49,805.18	160,690.23	40,046	5.26	4.01
1943	239,885.74	75,631.89	164,253.85	40,894	5.87	4.02
1944	286,302.32	104,446.63	181,855.69	40,845	7.01	4.45
1945	368,412.95	93,172.51	275,240.44	37,828	9.74	7.28
1946	348,520.24	94,902.43	253,617.81	35,958	9.69	7.05
1947	356,426.62			38,733	9.20	....
1948	424,807.71			33,117	12.83	....
1949	428,456.83			33,135	12.93	....
1950	469,237.48			33,771	13.89	....
1951	477,110.69			28,908	16.50	....
1952	490,831.28			28,035	17.51	....
1953	499,023.49			40,215	12.41	....
1954	631,431.99			34,454	18.33	....
1955	672,973.38			32,332	20.81	....
1956	758,255.75			27,534	27.54	....

EXHIBIT 8

MAINTENANCE COST OF NEURO-PSYCHIATRIC PATIENTS

	Operating Cost	Receipts	Net Expense	Hospital Days	Per Gross Capita Cost	Per Net Capita Cost
1932	\$98,161.67			15,537	\$6.32	....
1933	83,064.08	\$5,971.48	\$77,092.16	15,003	5.54	\$5.14
1934	92,080.10	11,622.90	80,457.20	15,285	6.42	5.65
1935	96,702.73	11,428.28	85,274.45	17,407	5.55	4.89
1936	110,529.77	12,256.51	98,355.51	20,763	4.36	3.75
1937	111,832.99	12,174.26	99,658.72	19,834	5.64	5.03
1938	118,201.75	17,371.32	100,830.43	19,426	6.09	5.19
1939	118,593.10	20,324.63	98,268.47	17,476	6.79	5.62
1940	119,889.67	23,153.21	96,736.46	19,720	6.08	4.91
1941	122,895.70	27,474.83	95,420.87	19,195	6.40	4.97
1942	136,779.74	32,277.69	104,502.05	17,151	7.98	5.44
1943	137,493.78	32,814.23	104,679.55	16,172	8.50	6.47
1944	85,483.94	40,950.47	44,533.47	14,309	5.97	3.11
1945	82,613.58	20,185.92	62,427.66	7,757	10.65	8.05
1946	149,365.82	41,568.54	107,797.28	11,284	13.24	9.55
1947	146,469.58			13,901	10.54	....
1948	164,666.47			12,197	13.50	....
1949	161,590.76			11,928	13.55	....
1950	173,135.07			10,754	16.10	....
1951	175,268.81			10,570	16.58	....
1952	208,932.34			12,496	16.72	....
1953	204,077.88			13,536	15.08	....
1954	237,940.01			14,418	16.50	....
1955	266,624.46			15,325	17.40	....
1956	290,409.68			14,035	20.69	....

EXHIBIT 9

MAINTENANCE COST OF SURGICAL PATIENTS

	Operating Cost	Receipts	Net Expense	Hospital Days	Per Gross Capita Cost	Per Net Capita Cost
1946*	\$20,102.46	\$9,322.50	\$10,779.96	1,356	\$14.72	\$7.89
1947	41,125.73			3,140	13.10	
1948	38,323.71			3,558	10.77	
1949	37,836.49			3,479	10.88	
1950	41,691.42			3,333	12.51	
1951	45,227.45			3,262	13.86	
1952	59,998.74			3,806	15.76	
1953	89,544.52			2,916	30.71	
1954						
1955						
1956**	48,974.08			592	82.73	

*New Department opened April 1, 1946.
 **Inactive.

EXHIBIT 10

MAINTENANCE COST OF CITY HEALTH DEPARTMENT ACTIVITIES

	Pulmonary Tuberculosis Clinic	Inspector of Milk	Laboratory Examinations	Total City Health Activities
1947	\$7,022.43	\$1,860.42	\$7,736.63	\$16,619.48
1948	10,604.10	2,104.12	3,008.65	15,716.87
1949	11,842.66	1,956.14	2,831.63	16,630.43
1950	12,584.44	1,884.03	1,446.88	15,915.35
1951	14,033.38	2,296.88	2,988.54	19,318.80
1952	14,467.30	2,213.95	3,269.31	19,650.56
1953	16,296.21	2,073.55	1,609.77	19,981.53
1954	16,996.70	2,458.39	1,079.51	20,534.60
1955	17,519.89	2,539.28	699.90	20,759.07
1956	16,520.53	2,676.38	379.77	19,576.68

EXHIBIT 11

MAINTENANCE COST OF STATE HEALTH DEPARTMENT ACTIVITIES

	Cardiac Clinic	Total State Health Activities
1947	\$1,254.59	\$1,254.59
1948	1,439.44	1,439.44
1949	1,288.38	1,288.38
1950	1,312.28	1,312.28
1951	1,343.43	1,343.43
1952	1,372.11	1,372.11
1953	1,415.57	1,415.57
1954	1,533.88	1,533.88
1955	1,646.04	1,646.04
1956	1,469.37	1,469.37

SCHEDULE A

ANALYSIS OF APPROPRIATIONS AND EXPENDITURES

Item	Description	Appropriations	Expenditures	Unencumbered Balances
0*	Personal Services	\$ 747,958.11	\$ 734,089.41	\$13,868.70
1	Services Other Than Personal	96,182.00	95,478.63	703.37
2	Materials and Supplies	249,750.00	246,076.58	3,673.42
3	Special Items	125.00	125.00	
5	Equipment Replacements and Additions	9,193.00	9,030.79	162.21
Totals		<u>\$1,103,208.11</u>	<u>\$1,084,800.41</u>	<u>\$18,407.70</u>

*Does not include \$27,958.03 payroll deductions for Meals and Lodgings.

SCHEDULE B

DEPARTMENTAL COST DISTRIBUTIONS
NEURO-PSYCHIATRIC DEPARTMENT:

Professional Care:		
Medical	\$ 19,593.00	
Nursing	43,037.10	
Other (Soc. Wkrs. Psychom. Ther.)	17,814.64	
Laboratory	13,140.22	
Pharmaceuticals	21,426.24	
X-ray	1,659.73	
Central Supply (Med. & Surg. Sup.)	4,557.65	
	<hr/>	\$121,228.58
Non-Professional Care:		
Ambulance	\$ 5,960.10	
Dietary	35,620.84	
Laundry	5,997.58	
Medical Records	3,672.55	
Attendant Service	32,574.98	
General Administration	41,232.21	
Housing:		
Utility Services	2,794.92	
Maintenance	9,851.07	
Heat, Hot Water, and Steam	7,043.18	
Housekeeping	17,913.51	
Materials and Supplies	5,535.48	
Equipment Replacement	984.68	
	<hr/>	169,181.10
		<hr/> \$ 290,409.68

PEDIATRIC DEPARTMENT:
**(HINDLE BUILDING)

Professional Care:		
Nursing	\$ 4,419.98	
Other Professional Care	850.10	
Laboratory	2,756.20	
Pharmacy	362.46	
X-ray	87.68	
Central Supply (Med. & Surg. Sup.)	763.92	
	<hr/>	\$ 9,240.34
Non-Professional Care:		
Ambulance	\$ 59.15	
Laundry	1,243.88	
Medical Records	539.14	
General Administration	324.62	
Housing:		
Utility Services	176.85	
Maintenance	1,763.18	
Heat, Hot Water and Steam	969.31	
Housekeeping	1,072.79	
Materials and Supplies	319.46	
	<hr/>	6,468.38
		<hr/> 15,708.72

**Inactive during first nine months of this period.

COMMUNICABLE, PEDIATRIC AND OTHER:

Professional Care:		
Medical	\$ 49,955.21	
Nursing	204,077.83	
Other Professional Care	70,389.57	
Laboratory	42,583.32	
Pharmaceuticals	30,196.77	
X-ray	3,384.00	
Central Supply (Med. & Surg. Sup.)	25,062.84	
	<hr/>	\$425,649.54

Non-Professional Care:			
Ambulance.	\$ 1,607.90		
Dietary.	62,797.17		
Laundry.	44,804.34		
Medical Records	5,598.89		
Attendant Services	5,691.42		
General Administration	65,461.51		
Housing:			
Utility Services	5,500.51		
Maintenance.	32,131.26		
Heat, Hot Water and Steam.	21,268.87		
Housekeeping.	47,877.00		
Materials and Supplies.	20,380.92		
Equipment Replacement	3,777.70		
		<u>316,897.49</u>	742,547.03

OUT-PATIENT DEPARTMENT:

Professional Care:			
Medical	\$ 4,203.00		
Nursing.	5,950.94		
Other Professional Care	7.50		
Laboratory.	8,000.78		
Pharmaceuticals.	284.03		
X-ray.	505.02		
		<u>\$ 18,951.27</u>	
Non-Professional Care:			
Laundry.	\$ 519.79		
General Administration	5,194.60		
Housing:			
Utility Services	744.63		
Maintenance.	577.99		
Heat, Hot Water and Steam.	704.32		
Housekeeping.	1,179.92		
Materials and Supplies.	509.28		
		<u>9,430.53</u>	28,381.80

CITY OF PROVIDENCE HEALTH DEPARTMENT
PULMONARY TUBERCULOSIS CLINIC:

Professional Care:			
Other (Tech. Clinic Serv.)	\$ 156.00		
Pharmaceuticals	148.23		
X-ray.	14,367.47		
		<u>\$ 14,671.70</u>	
Non-Professional Care:			
Housing:			
Laundry Service	\$ 3.98		
Utility Services	307.24		
Maintenance.	578.18		
Heat, Hot Water and Steam.	939.08		
Materials and Supplies.	20.35		
		<u>1,848.83</u>	16,520.53

CITY OF PROVIDENCE HEALTH DEPARTMENT
INSPECTION OF MILK:

Non-Professional Care:			
Housing:			
Utility Services	\$ 360.11		
Maintenance.	882.67		
Heat, Hot Water and Steam.	1,433.60		
		<u>\$ 2,676.38</u>	2,676.38

CITY OF PROVIDENCE HEALTH DEPARTMENT
LABORATORY EXAMINATIONS:

Laboratory.	\$ 379.77		
			<u>379.77</u>

STATE DEPARTMENT OF HEALTH
CARDIAC CLINIC:

Professional Care:			
X-ray.	\$ 521.09	\$ 521.09	
Non-Professional Care:			
Housing:			
Utility Services	\$ 189.65		
Maintenance.	289.09		
Heat, Hot Water and Steam.	469.54		
			<u>948.28</u>
Cost of Other Non-Patients Pharmaceuticals..	\$	\$ 6,135.86	1,469.37
			<u>6,135.86</u>

TOTAL DEPARTMENTAL COST DISTRIBUTIONS \$1,104,229.14

B. General Statistics

(October 1, 1955-September 30, 1956)

Table B 1. Population, March 1, 1910-September 30, 1956

Year	Total Discharges	Days' Treatment	Average Daily Pop.	Average Stay						Non-Resident Patients (Fiscal Year)	Out-Patient Dept. Visits	Ambulance Calls
				Contagious Diseases	Pediatrics	Medical	Tuberculosis	*Psychiatric Diseases	**Surgical			
1910.....	522	26,170	71.7	.....	.....	.....	.....	.....	.....	19	.....	544
1911.....	746	37,585	102.9	37.9	.....	.....	82.4	.....	.....	21	.....	702
1912.....	1,004	44,770	122.3	34.1	.....	.....	131.8	.....	.....	48	.....	846
1913.....	1,010	44,245	120.6	28.7	.....	.....	109.4	.....	.....	64	.....	790
1914.....	1,632	44,097	120.8	39.9	.....	.....	94.8	.....	.....	78	.....	864
1915.....	1,875	51,976	142.4	27.1	.....	.....	117.6	.....	.....	68	.....	991
1916.....	1,865	52,364	143.4	20.8	.....	.....	99.9	.....	.....	110	3,592	1,081
1917.....	1,368	46,123	126.3	20.7	.....	.....	90.2	.....	.....	145	12,902	957
1918.....	1,882	46,675	127.8	27.7	.....	.....	52.0	.....	.....	188	17,415	1,392
1919.....	1,484	47,988	131.5	29.3	.....	.....	71.6	.....	.....	141	24,497	974
1920.....	1,537	48,120	131.8	32.3	.....	.....	92.0	.....	.....	100	25,712	1,459
1921.....	1,274	45,097	118.0	24.0	.....	.....	102.1	.....	.....	122	28,621	1,573
1922.....	1,194	39,636	108.6	22.9	.....	.....	123.8	.....	.....	142	24,551	1,058
1923.....	1,448	46,544	127.5	21.5	.....	.....	94.2	.....	.....	184	18,384	1,161
1924.....	1,659	44,619	121.9	20.5	.....	.....	80.9	.....	.....	155	19,289	1,383
1925.....	1,411	39,905	109.3	19.6	.....	.....	102.6	.....	.....	159	27,344	1,052
1926.....	1,657	45,458	124.0	19.0	.....	.....	94.4	.....	.....	141	20,569	1,162
1927.....	1,578	47,894	131.2	19.2	.....	.....	143.3	.....	.....	130	22,208	1,186
1928.....	1,709	47,509	127.1	19.8	.....	.....	96.3	.....	.....	134	22,821	1,455
1929.....	1,752	44,864	122.9	18.6	.....	.....	82.5	.....	.....	146	25,971	1,267
1930.....	2,039	58,086	153.6	21.5	.....	.....	64.9	18.6	.....	263	30,788	1,388
1931.....	2,727	71,669	196.4	18.5	.....	.....	84.8	25.9	.....	340	34,195	1,779
1932.....	2,556	73,983	202.0	19.8	.....	.....	116.9	24.0	.....	291	39,278	1,747
1933.....	2,310	74,862	205.1	22.8	.....	.....	155.7	25.2	.....	166	43,789	1,660
1934.....	1,918	67,974	186.2	25.7	.....	.....	161.3	28.3	.....	259	31,832	1,318
1935 (9 Mos.)	1,807	55,770	204.2	20.3	.....	.....	121.1	29.2	.....	310	28,884	1,334
1936.....	2,251	75,514	206.8	24.0	.....	.....	140.3	35.7	.....	262	35,345	1,492
1937.....	2,285	78,923	216.2	24.4	.....	.....	113.5	43.2	.....	208	35,817	1,638
1938.....	2,001	68,357	187.2	24.4	.....	.....	163.2	33.8	.....	282	27,700	1,777
1939.....	1,969	67,328	184.5	25.0	.....	.....	160.5	30.2	.....	224	34,796	1,158
1940.....	2,047	67,182	184.1	23.0	.....	.....	146.3	31.1	.....	270	29,828	1,214
1941.....	1,994	63,077	172.8	20.6	.....	.....	128.2	28.4	.....	351	27,716	1,257
1942.....	2,167	57,197	156.7	19.5	.....	.....	106.4	24.0	.....	439	26,439	1,267
1943.....	2,342	57,066	156.3	18.6	.....	.....	107.0	23.5	.....	713	17,273	1,184
1944.....	2,365	55,154	151.1	18.2	.....	.....	99.0	23.3	.....	798	14,622	887
1945.....	2,168	45,585	124.8	16.3	.....	.....	103.2	15.8	.....	709	13,922	792
1946.....	2,629	48,608	133.2	14.9	.....	.....	91.9	16.4	7.0	965	13,401	657
1947.....	3,253	55,774	152.8	14.4	.....	.....	99.1	17.2	6.6	1,282	13,701	730
1948.....	3,305	48,872	133.5	14.0	.....	.....	64.5	14.9	5.0	1,173	12,239	524
1949.....	3,443	48,542	132.9	13.1	.....	.....	67.8	14.4	4.8	1,436	12,955	538
1950.....	3,155	47,858	131.1	15.3	.....	.....	58.8	13.8	5.4	1,313	13,131	506
1951.....	3,057	42,740	117.1	13.3	.....	.....	53.0	12.8	5.5	1,254	11,163	544
1952.....	3,251	44,337	121.1	11.6	.....	.....	82.6	15.5	5.6	1,342	10,769	483
1953.....	3,084	56,667	158.0	28.1	16.7	8.7	76.9	16.1	6.2	1,320	9,819	596
1954.....	2,295	48,872	133.8	28.9	21.3	10.0	57.2	17.9	.....	1,020	8,512	645
1955.....	2,839	48,249	132.2	24.4	19.1	8.6	.....	15.8	3.5	1,491	8,810	827
1956.....	2,027	41,569	113.6	32.8	24.8	11.7	.....	15.2	.....	967	9,482	892

*Wards for Psychiatric Diseases were opened June 1, 1930.

**Surgical ward opened April 1, 1946.

C. Report on All Diseases

Table C 1. Diseases Treated, March 1, 1910-September 30, 1956

DISEASES	Oct. 1, 1955			Oct. 1, 1954			March 1, 1910		
	Sept. 30, 1956			Sept. 30, 1955			Sept. 30, 1956		
	Cases.	Deaths.	Fatality.	Cases.	Deaths.	Fatality.	Cases.	Deaths.	Fatality.
Chickenpox	33			20			980	14	1.4
Diarrhea, due to infection	7			19			41***		
Diarrhea, due to unknown cause	6			17			51***		
Diphtheria	0			2			5,743	688	12.0
Diphtheria carrier	0			0			729		
Dysentery bacillary	1			4			55***		
Encephalitis, acute, all forms	16			30			261	52	19.9
Epidemic parotitis (mumps)	22			23			652		
Erysipelas	0			0			929	86	9.3
Gonorrhea	1			0			2,230	6	0.3
Gonorrheal conjunctivitis	0			0			180	5	2.8
Hepatitis, infectious (epidemic)	42			209			337***		
H. S. carrier	2			0			8***		
Impetigo	2			7			552		
Influenza	0			1			1,047	81	7.7
Leprosy	0			0			2		
Measles	6			101			4,092	232	5.7
Meningitis, cerebrospinal, epidemic, meningococcal	9			10	3	30.0	827	144	17.4
*Meningitis, tuberculous	0			1			111	88	79.3
Meningitis, other forms	26	3	11.5	22	2	9.1	424	127	30.0
Meningococcemia	4	1	25.	2			9***	2	22.2
Mononucleosis, infectious	3			7			30***		
Pneumonia, all forms	38	1	2.6	55	1	1.8	2,546	268	10.5
Poliomyelitis, acute, all forms	253	8	3.2	260	15	5.8	2,201	127	5.8
Rabies	0			0			3	3	100.0
Rubella	8			2			770	1	0.1
Scabies	0			0			328		
Scarlet Fever	110			100			10,812	218	2.0
Syphilis, congenital	1			0			166	18	10.8
Syphilis, other forms	1			1			3,417	32	0.9
Tinea capitis	0			1			3***		
*Tonsillitis	44			117			4,555	11	0.2
Tonsillitis, due to hemolytic streptococcus	2			3			529	4	0.8
Tuberculosis, pulmonary	36	6	16.7	19	2	10.5	5,890	2,206	37.5
Tuberculosis, other forms	2	1	50.	0			312	107	34.3
Typhoid fever	1			1			174	20	11.5
Vincent's infection	0			0			244	10	4.1
Whooping Cough	16			113			2,787	180	6.5
No diagnosis	7			20			850	12	1.4
Other diseases	403	4	1.0	533	8	1.5	16,632	1,013	6.1
†Diseases of the nervous system	925	7	1.8	972	7	0.7	18,634	582	3.1
‡Surgery	0			167	1	0.6	4,704	26	0.6
Total	2,027	31	1.5	2,839	39	1.4	94,847	6,363	6.7

*Tonsillitis, under this heading is included pharyngitis, naso-pharyngitis, septic sore throat and other inflammatory conditions of the faucial region, the pharynx and naso-pharynx.

**Some of the apparent living cases died after leaving the hospital.

†The wards for diseases of the nervous system were opened June 1, 1930.

‡Surgical ward was opened April 1, 1946.

***Beginning October 1, 1952.

(Other Diseases: In Table C 1. Specified)

Living Dead		Living Dead	
Abscess, thumb	1	Hematoma, subdural	1
Adenitis, mesenteric	1	Hemorrhage, cerebral vessel due to undetermined cause	1
Adjustment reaction of childhood	1	Hemorrhage, subarachnoid	1
Arteriosclerosis, generalized	1	Hemorrhoids, thrombosed	1
Arteriosclerotic heart disease	2	Herpangina	1
Asthma	14	Hordeolum, externum	1
Atelectasis, congenital (newborn)	1	Hyperthyroidism, adult, due to unknown cause	1
Bacteremia	2	Ingestion of bleach	1
Barbital poisoning	1	Laennec's cirrhosis	1
Bronchiolitis, acute	2	Laryngotracheitis, acute	26
Bronchitis, acute	10	Lymphadenitis, cervical	8
Bronchitis, chronic	5	Malnutrition in child under 2 years	2
Cellulitis	6	Megacolon, congenital	1
Cholecystitis, acute	1	Meningismus due to remote infection	1
Cerebral palsy	1	Migraine due to unknown cause	1
Choriomeningitis, lymphocytic, chronic	1	Myocarditis, due to unknown cause	1
Colitis, ulcerative	1	Myositis, acute	11
Concussion of brain	1	Neurodermatitis disseminata	1
Congenital abnormalities, unclassified, body generally	1	Neuropathy of facial nerve	1
Contact dermatitis	5	Neuropathy, toxic, due to ethyl alcohol	1
Contusions, all types	5	Observation	3
Convulsive disorder due to unknown cause	4	Orchitis, acute	1
Cystitis, acute	3	Oxvuriasis of intestine	1
Cyst of ovary of undetermined type	1	Otitis media, non-suppurative, acute	2
Dermatitis venenata	7	Otitis media, suppurative, acute	6
Diabetes mellitus	3	Pansinusitis, non-purulent	1
Diagnosis deferred	5	Parotitis following operation	1
Diarrhea, parenteral	1	Pleurodynia, epidemic	2
Dilantin intoxication	1	Poliomyelitis, acute anterior (conv.)	2
Disease, none	5	Purpura, all types	3
Double kidney with double renal pelvis	1	Pye'tis, acute	1
Dysmenorrhea	1	Respiratory infection, acute diffuse	68
Eczema	9	Rheumatic fever	2
Edema, angioneurotic	1	Serum sickness	1
Emphysema	3	Status convulsivus	1
Encephalopathy following encephalitis	1	Stomatitis, acute	5
Enteritis, acute	2	Strain, sterno-cleido mastoideus.	1
Erythema multiforme	1	Tenosynovitis of hip due to trauma	1
Exanthema subitum	9	Tetanus	1
Exostoses, multiple, osteocartilagenous	1	Thorazine intoxication	1
Feeding, improper, in child under 2 years	2	Thrombophlebitis, calf	1
Feeding, improper, in child over 2 years	3	Thrombosis, anterior spinal artery	1
Fever of unknown origin	5	Trichomonas infection of vagina	1
Fibrosis of lung following tuberculosis	1	Trichinosis	4
Fractures	3	Tumor, posterior cranial fossa	1
Furuncle of cheek due to Staph. Aureus	1	Tumor, sebaceous of ear	1
Furuncle of nose	1	Tumor, unlisted, of lung (malignant)	1
Furunculosis	1	Ulcer of leg due to infection	1
Gastroenteritis, acute	49	Unguis incarnatus	1
Gingivitis, acute	3	Varicose veins of legs	1
Glomerulonephritis, acute	2	Vasomotor disturbance	1
Glomerulonephritis, chronic	2	Ventricular septal defect	3
Grand mal	1	Virus infection of unknown etiology	20
Guillain-Barre syndrome	2		
Hemangioma of knee	1		

Table C 4. Diphtheria: Number of cases uncomplicated by other diseases and fatality by ages, March 1, 1910-September 30, 1956:

Ages	Living Cases			Dead Cases			Fatality		
	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910
	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956
Under 1.....			99			45			31.3
1.....			233			90			27.9
2.....			370			90			19.6
3.....			449			70			13.5
4.....			459			80			14.8
5.....			403			66			14.1
6.....			422			50			10.6
7.....			368			37			9.1
8.....			318			30			8.4
9.....			200			18			8.3
10-14.....			644			45			6.5
15-19.....			226			5			2.2
20-29.....			453			6			1.3
30-39.....		1	155			8			4.9
40-49.....		1	39			5			11.4
50-59.....			19			2			9.5
Over 60.....			5						....
Total.....		2	4,862			647			11.7

Table C 10. Scarlet Fever: Number of cases uncomplicated by other diseases and fatality by ages, March 1, 1910-September 30, 1956:

Ages	Living Cases			Dead Cases			Fatality		
	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910
	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956
Under 1.....	0	0	58			6			9.4
1.....	4	0	190			1			0.5
2.....	10	7	479			18			3.6
3.....	13	15	748			14			1.8
4.....	7	8	787			30			3.7
5.....	15	16	804			20			2.4
6.....	12	15	968			9			0.9
7.....	5	10	857			13			1.5
8.....	5	7	773			10			1.3
9.....	5	6	568			9			1.6
10-14.....	13	10	1,535			12			0.8
15-19.....	4	0	571			9			1.6
20-29.....	0	2	827			15			1.8
30-39.....	0	0	277			7			2.5
40-49.....	0	1	72			4			5.3
50-59.....	0	0	14						....
Over 60.....	0	0	2			1			33.3
Total.....	90	97	9,530			178			1.8

Table C 12. Scarlet Fever: Average length of stay in days of cases uncomplicated by any other disease, March 1, 1910-September 30, 1956:

Year	Duration of Isolation	Living Cases	Fatal Cases	All Cases
1910	5 weeks	40.4	9.4	39.2
1911	5 "	49.6	16.9	47.0
1912	5 "	45.9	5.8	43.5
1913	5 "	41.0	12.5	40.1
1914	4 "	36.6	13.0	35.4
1915	4 "	36.4	6.9	35.2
1916	5 "	32.2	5.0	31.1
1917	5 "	40.5	4.4	38.5
1918	5 "	36.0	2.2	35.2
1919	5 "	40.9	6.2	39.9
1920	5 "	38.4	5.4	33.1
1921	5 "	37.9	2.0	37.5
1922	5 "	37.4	2.0	36.8
1923	5 weeks until Dec. 6th, then 4 weeks.	32.2	5.0	31.7
1924	4 weeks	31.2	6.0	31.1
1925	4 "	30.4	17.5	31.1
1926	4 "	29.9	18.5	29.7
1927	4 "	32.0	13.5	31.5
1928	4 "	30.1	5.1	29.6
1929	4 "	29.4	10.5	28.8
1930	4 "	30.7	17.0	30.8
1931	4 "	30.4	3.3	30.2
1932	4 "	30.9	8.9	30.5
1933	4 "	33.5	5.3	33.2
1934	4 "	34.3	2.0	34.2
1935 (9 months)	4 weeks in usual cases and 3 weeks in very mild selected cases.	33.2	7.5	32.8
1936	4 weeks	30.2	14.6	30.0
1937	4 "	30.2	21.7	30.0
1938	4 "	27.8	....	27.8
1939	4 "	29.6	....	29.6
1940	4 "	31.1	....	31.1
1941	4 "	25.3	....	25.3
1942	4 "	25.9	....	25.9
1943	4 "	27.8	....	27.8
1944	4 "	30.6	....	30.6
1945	4 "	25.3	....	25.3
1946	4 "	21.7	....	21.7
1947	3 "	25.3	....	25.3
1948	3 "	26.7	....	26.7
1949	3 "	19.7	....	19.7
1950	2-3 "	21.0	....	21.0
1951	2-3 "	18.2	....	18.2
1952	2-3 "	18.4	....	18.4
1953	2-3 "	17.5	....	17.5
1954	2-3 "	17.3	....	17.3
1955	2-3 "	15.2	....	15.2
1956	2-3 "	15.2	....	15.2

Table C 15. Scarlet Fever: Duration of stay in hospital of patients having Scarlet Fever alone with relation to infecting and return cases, March 1, 1910-September 30, 1956:

Year.	Average stay of living cases.	Average stay of all infecting cases.	Infecting Cases.		Return Cases.	
			Number.	Per Cent.	Number.	Per Cent.
1910.....	40.4	40.0	3	2.3	3	2.3
1911.....	49.6	58.6	5	2.4	8	3.8
1912.....	45.9	36.3	14	5.4	15	5.8
1913.....	41.0	42.3	13	5.5	15	6.4
1914.....	36.6	30.5	10	3.9	13	5.1
1915.....	36.4	37.4	33	8.7	42	11.1
1916.....	32.2	35.6	19	5.4	34	9.0
1917.....	40.5	32.2	4	2.1	7	3.3
1918.....	36.0	33.0	11	6.7	17	8.0
1919.....	40.9	48.5	7	4.1	13	7.2
1920.....	38.4	42.2	10	4.1	14	5.0
1921.....	37.9	39.3	11	5.9	16	8.4
1922.....	37.4	36.0	1	.1	1	.1
1923.....	32.2	32.8	10	5.9	7	4.1
1924.....	31.2	30.3	14	2.3	15	2.5
1925.....	30.4	27.0	1	0.7	1	0.7
1926.....	29.9	28.3	3	2.9	4	3.9
1927.....	32.0	35.1	14	5.8	22	9.2
1928.....	30.1	36.0	11	3.7	20	6.7
1929.....	29.4	27.5	6	2.7	8	3.6
1930.....	30.7	32.1	11	5.1	17	7.9
1931.....	30.4	29.8	22	5.2	30	7.1
1932.....	30.9	31.2	15	3.4	20	4.6
1933.....	33.5	32.2	12	4.1	25	8.8
1934.....	34.3	28.7	3	1.7	7	4.0
1935 (9 months).....	33.2	26.3	8	6.7	8	6.7
1936.....	30.2	26.0	8	2.8	10	3.5
1937.....	30.2	26.9	16	2.9	26	4.8
1938.....	27.8	26.5	5	2.4	8	3.5
1939.....	29.6	30.0	2	1.4	3	2.1
1940.....	31.1	0	0	0	0	0
1941.....	25.3	22.8	5	8.2	6	9.9
1942.....	25.9	30.2	5	5.5	9	9.9
1943.....	27.8	30.5	2	1.5	2	1.5
1944.....	30.6	43.0	2	1.7	6	5.2
1945.....	32.3	30.5	2	.9	4	2.6
1946.....	21.7	0	0	0	0	0
1947.....	25.3	0	0	0	0	0
1948.....	26.7	0	0	0	0	0
1949.....	19.7	0	0	0	0	0
1950.....	21.0	21.0	1	0.7	1	0.7
1951.....	18.2	0	0	0	0	0
1952.....	18.4	0	0	0	0	0
1953.....	17.5	21.0	1	0.2	1	0.2
1954.....	17.3	18.8	5	1.1	4	1.0
1955.....	15.2	....	0	0	0	0
1956.....	15.2	17.0	1	0.3	1	0.3

Table C 16. Measles: Number of cases uncomplicated by other diseases and fatality by ages, March 1, 1910-September 30, 1956:

Ages	Living Cases			Dead Cases			Fatality		
	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910
	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956
Under 1.....	.....	5	167	.....	.....	36	.....	.....	17.7
1.....	.....	3	300	.....	.....	59	.....	.....	16.4
2.....	.....	14	365	.....	.....	31	.....	.....	7.8
3.....	1	8	330	.....	.....	14	.....	.....	4.1
4.....	.....	9	339	.....	.....	9	.....	.....	2.6
5.....	.....	7	314	.....	.....	2	.....	.....	0.6
6.....	1	8	322	.....	.....	5	.....	.....	1.5
7.....	.....	11	236	.....	.....	3	.....	.....	1.3
8.....	.....	6	176	.....	.....	.....	.....	.....	.....
9.....	1	3	91	.....	.....	.....	.....	.....	.....
10-14.....	.....	1	176	.....	.....	4	.....	.....	2.2
15-19.....	1	.....	143	.....	.....	.....	.....	.....	.....
20-29.....	.....	2	238	.....	.....	1	.....	.....	0.4
30-39.....	.....	2	44	.....	.....	1	.....	.....	2.2
40-49.....	.....	.....	9	.....	.....	3	.....	.....	25.0
50-59.....	.....	.....	7	.....	.....	.....	.....	.....	.....
Over 60.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	4	79	3,257	.....	.....	168	.....	.....	4.9

Table C 17. Whooping Cough: Number of cases and fatality by ages, March 1, 1910-September 30, 1956:

Ages	Living Cases			Dead Cases			Fatality		
	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910	Oct.1, 1955	Oct.1, 1954	Mar.1, 1910
	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956	Sep.30, 1956	Sep.30, 1955	Sep.30, 1956
Under 1.....	10	63	839	.....	.....	89	.....	.....	9.6
1.....	2	23	476	.....	.....	45	.....	.....	8.6
2.....	2	6	345	.....	.....	21	.....	.....	5.7
3.....	2	1	252	.....	.....	7	.....	.....	2.7
4.....	.....	5	197	.....	.....	8	.....	.....	3.9
5.....	.....	2	143	.....	.....	2	.....	.....	1.4
6.....	.....	5	100	.....	.....	2	.....	.....	2.0
7.....	.....	2	90	.....	.....	1	.....	.....	1.1
8.....	.....	3	44	.....	.....	.....	.....	.....	.....
9.....	.....	0	24	.....	.....	1	.....	.....	4.0
10-14.....	.....	1	19	.....	.....	.....	.....	.....	.....
15-19.....	.....	0	4	.....	.....	1	.....	.....	20.0
20-29.....	.....	2	10	.....	.....	.....	.....	.....	.....
30-39.....	.....	0	.....	.....	.....	.....	.....	.....	.....
40-49.....	.....	0	.....	.....	.....	.....	.....	.....	.....
50-59.....	.....	0	2	.....	.....	.....	.....	.....	.....
Over 60.....	.....	0	1	.....	.....	.....	.....	.....	.....
Total.....	16	113	2,546	.....	.....	177	.....	.....	6.5

Secondary Diseases Among Patients: Oct. 1, 1955-Sept. 30, 1956

By the term "secondary diseases" is meant diseases developing in the hospital after admission or soon after the discharge of the patient with the period of the incubation of the disease in question. They are further divided into two groups: Group I, comprising all those cases which were apparently contracted in the hospital and called cross-infections, and Group II, including diseases which develop in the hospital but which were contracted before admission.

The group to which a case is assigned depends upon two factors: first, a consideration of the incubation period, that is, whether the patient was in the hospital long enough to have contracted the disease in the hospital and whether he was home long enough after discharge to have contracted it after leaving the hospital. Secondly, consideration is given to the possibility of exposure before admission or after discharge and the possibility of exposure in the hospital wards. Usually an accurate conclusion can be drawn when all the circumstances are considered.

In the study of the sources of secondary diseases, the following incubation periods have been adopted. They are stated in maximum terms:

- Chickenpox, three weeks
- Diphtheria, one week
- Measles, two weeks
- Mumps, three weeks
- Rubella, three weeks
- Scarlet fever, one week
- Variola, two weeks
- Whooping cough, three weeks

While variations occur in the length of incubation periods in most infectious diseases, the above are adopted as a working basis.

There are side rooms and small wards in each building. When patients are in the same room but suffering from different diseases, each bed is marked by a barrier card, with or without numbers attached. When numbers are used, as in the larger wards, the unit or group to which the patient belongs is clearly indicated to facilitate carrying out rigid technique, thus preventing infection from being carried from one unit to another.

CROSS-INFECTIONS

All secondary infections occurring among patients after admission are included either in Group I or Group II.

During the year, 1,060 patients were cared for in the wards for acute communicable diseases. Patients cared for in other wards are not included in estimating cross-infection rates. Patients discharged from the infectious disease wards during the year and the number of patients in these wards at the end of the year are included.

There were four cross-infections, as follows:

GROUP I

Chickenpox

An eleven-year-old male, #95328, was admitted to East II on May 27, 1956 with a diagnosis of diabetes mellitus. He was admitted to this ward because both he and his mother gave a definite history of his having had chickenpox. He developed chickenpox on June 22, 1956. The source of this cross-infection was any of the several cases of chickenpox on East II.

On January 13, 1956, an eight-year-old female, #94586, was admitted to West II with scarlet fever. On February 3, her twenty-first hospital day, she developed chickenpox and was transferred to East II. The source of this cross-infection was #94601.

A nine-year-old girl, #94587, was admitted to West II on January 13, 1956 with scarlet fever. She developed chickenpox on February 1, her nineteenth hospital day and was sub-

sequently transferred to East II. The source of this cross-infection was also #94601.

A boy four and one-half years old, #94665, entered East I on January 30, 1956 with scarlet fever. He developed chickenpox on February 20, his twenty-first hospital day. The source of this cross-infection was not determined.

GROUP II

Mumps

A five-year-old girl, #94288, admitted to East I on November 11, 1955 with poliomyelitis, developed mumps on her thirteenth hospital day. This obviously was not the result of a cross-infection.

Chickenpox

On May 27, 1956, a nine-months-old male, #95329, entered East II with asthma. He developed chickenpox on his twelfth hospital day. This was the result of exposure to the disease prior to admission.

A six-year-old girl, #94601, was admitted to West II on January 16, 1956 and developed chickenpox two days later, not the result of a cross-infection.

On June 19, 1956, a four-year-old female, #95459, was admitted to East II with scarlet fever and a history of exposure to chickenpox. She developed chickenpox on June 23 which, obviously, was not the result of a cross-infection.

Report of Business Administration

Revenue Receipts

Receipts from all sources for the fiscal year ending September 30, 1956 amounted to \$554,536.65 (Exhibit 1). This was a decrease of \$6,267.33 from the previous fiscal report.

Operating Cost

Total cost of operation was \$1,104,367.01 (Exhibit 2) including a salary deduction of \$27,958.03 from personnel for meals and lodgings. This amount was distributed to the cost centers throughout the hospital.

Income and Expense

The gross income for the year was \$778,073.02 (Exhibit 3) which includes the yearly grant from the State of Rhode Island of \$200,000.00. Deductions from operating expenditures of \$1,104,367.01 (Exhibit 2) left a deficit of \$326,293.99.

The higher cost of hospital operation during the last fiscal year was due to various factors. There was a general increase in our hospital personnel to meet the poliomyelitis emergency, a large part of which consisted of especially trained personnel such as nurses and physiotherapists. In addition, there were various reclassifications in the lower salary group, and increases to meet the salary schedule of other hospitals for our nursing personnel. There was also the usual replacing of worn and obsolete equipment throughout the institution.

Welfare Cases

General Public Assistance cases for free service amounted to \$128,881.00.

Free Service to Employees and Trainees

Services rendered to employees and trainees amounted to \$8,621.50.

Outside Agencies

The following four agencies conducted by other city and state agencies are included in the cost of the hospital as follows:

1. City Health Pulmonary Clinic	\$16,520.53
2. City Health Inspection of Milk	2,676.38
3. City Health Laboratory Examinations	379.77
4. State Cardiac Clinic	1,469.37

I wish at this time to express my appreciation to the Superintendent, Dr. Hilary J. Connor, and all hospital personnel for their continued co-operation during the year.

Respectfully submitted,

WILLIAM A. MANNING,

Business Manager

Annual Report of the Neuro- Psychiatric Department

The trend toward growing awareness of, and concern about mental health has continued during the past year. Many popular magazines have featured articles on community mental health needs, conditions in State Institutions and the value of the new tranquilizing drugs. Everywhere one turns he sees or hears about mental health. We have found that the ever-increasing awareness of the enormity and severity of the problem of mental illness has made the families of our patients not only more understanding but also more impatient. They expect, on the basis of popular articles, a much faster, more miraculous improvement.

We have continued to treat our patients with all the modern accepted forms of psychiatric treatment—shock therapy, psychotherapy—and have used all the new proven and tested tranquilizing drugs as well as some of the preparations affecting mood and behavior. To date we are sorry to report that in spite of some dramatic improvements we have found, on the whole, that these drugs do not live up to the published optimistic reports.

The admission rate has remained high, and for the second consecutive year was over 900. The year 1955 saw 973 patients admitted, the year 1956, 931. An admission rate like this, to a unit having 30 beds for female patients and 30 beds for male patients, has put a great pressure on the entire staff. We have had to evaluate our patients very quickly and carry out recommendations for further care at maximum speed. Had it not been for the sincere and wholehearted cooperation of the hospital administration, the visiting staff and the personnel of the Neuro-Psychiatric Department, this would not have been possible. We have all worked together, using the team approach of psychiatrist, psychologist and social worker to evaluate the

patients and have worked closely with doctors, hospitals and community agencies to plan for their further care and treatment.

The greatest part of our patients continued to be admitted from Providence, mostly in an acute phase of mental illness, and were referred—as specified by law—by legally licensed physicians in the State of Rhode Island or by a police officer. The majority of the 931 were referred by physicians, with 95 referred by the police, 27 were voluntary admissions and 46 were transferred from other hospitals.

PATIENTS TRANSFERRED TO CHARLES V. CHAPIN
HOSPITAL FROM OTHER HOSPITALS

Our Lady of Fatima Hospital	3
Rhode Island Hospital	28
Davis Park, V. A. Hospital	5
St. Joseph's Hospital	2
Pawtucket Memorial Hospital	2
Roger Williams General Hospital	2
Kent County Hospital	2
Newport Naval Hospital	2

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Patients referred to us run the gamut of mental diagnoses—the acute, the chronic, the young, the old, the physically well and the physically ill. We have seen an increase of 40 patients who were 65 years of age or over. Often these elderly persons were in poor physical health and presented a challenge to the doctors and nurses which, our statistics show, was well met.

We have felt that this increase of elderly patients may be attributed in part to the more ready acceptance by families of the need for custodial care.

There have been 107 patients admitted who were 65 years of age and older.

<i>Years of age</i>	<i>Number admitted</i>
65	7
66	10
67	6
68	3
69	8
70	12
71	3

<i>Years of age</i>	<i>Number admitted</i>
72	7
73	9
74	3
75	7
76	2
77	4
78	11
79	1
80	3
81	1
82	2
83	1
84	3
85	1
88	2
102	1
	107

Disposition of Patients age 65 and over:

Home	27
Home, Against Advice	2
State Hospital	66
Rhode Island Hospital	2
Miriam Hospital	1
Roger Williams General Hospital	1
Brockton V. A. Hospital	1
Fuller Memorial Sanitorium	3
Convalescent Home	1
Dead	3
	107

We are pleased to report that we were able to continue to return to the community as Improved or Recovered a larger number of patients than were transferred to other mental hospitals. This was accomplished in the face of the continued pressure of a high admission rate.

CONDITION ON DISCHARGE

<i>Year</i>	<i>Improved and Recovered</i>	<i>Unimproved</i>	<i>Dead</i>	<i>Total</i>
1951	282	529	9	810
1952	316	484	12	812
1953	436	396	11	843
1954	461	348	0	809
1955	549	417	7	973
1956	507	412	7	926

It is to be noted that the terms "Improved" and "Recovered" are being used in this report to indicate that it was felt that the patients were able at the time of their discharge to resume their usual mode of living. This criterion has continued to prove satisfactory for practical purposes.

The trend toward an increase in the number of private patients, and those covered by Group Health Insurance plans, continued. We have continued to offer to the private physicians all the available staff services.

During the past year we sponsored a monthly lecture series to which, in addition to our own staff, were invited the staffs of other hospitals and social agencies. These talks have been most enthusiastically received and have attracted an interested audience. Biweekly teaching rounds and conferences with the visiting staff have continued. We have started a bi-monthly series of teaching films.

There have been two changes in personnel. On June 30, 1956 after two years of valued and loyal service, Dr. Jefim Weremczuk resigned to accept a position at the Woonsocket General Hospital in Woonsocket, Rhode Island. On the same date Dr. Paulo Botelho, after successfully completing a year's residency, returned to the Pediatric Services at the Chapin Hospital. On July 1, 1956 Dr. Carl E. Greuner, a graduate of the University of Frankfurt Medical School, who had completed an internship at the East Tennessee Baptist Hospital, and Dr. Hans J. Wolfschlag, a graduate of the University of Freiburg Medical School, who had completed a residency at St. Mary's Hospital, Knoxville, Tennessee, began residencies in this Department.

SOCIAL SERVICE DEPARTMENT

There was only one change in services offered by the Social Service Department during the past year. The Neuro-Psychiatric Clinic began to function as a part of the total Out-Patient Department program and the responsibility for admission of patients and appointments was taken over by the Out-Patient

Department nursing staff. However, social services were available upon request.

Due to the continued high admission rate, social histories on service patients were still given priority. The preparation of the monthly and annual hospital statistics was continued, the annual statistics for the Department of Health, Welfare and Education, and we continued to prepare abstracts and summaries for hospitals and agencies. Wherever indicated case work services were given to both the patients and relatives.

Members of the Social Service Department participated in the biweekly rounds and staff conferences, attended the monthly lecture series, served on boards and committees of community organizations and attended professional meetings.

On September 3, 1956 Miss Barbara Cronin, who had been a valuable and loyal member of the Department since February 1955, left to accept a position at Child Welfare Services.

The following is a statistical report for the year :

Histories	200
Interval histories	16
Abstracts	448
Summaries	169
Letters	49

PSYCHOLOGY DEPARTMENT

This department continued to render psychological services primarily to our in-patient population. Emphasis was placed on the use of the projective techniques utilized principally as one means of clarification of diagnostic problems. Test findings, together with the case history and clinical evaluation, led to a better understanding of the personality dynamics of the individual case. Problems concerning treatability, prognosis and disposition were also considered in test interpretation.

Other routine functions consisting of participation in daily ward rounds, biweekly staff conferences and lectures, were continued.

The number of police recruits seen this year for psychiatric screening purposes was sharply reduced due to the fact that the number of vacancies in our police department has decreased over previous years.

Two-hundred and ten (210) tests were administered to

In-patients	103
Out-patients	2
Special (Police recruits)	22

The 210 tests administered were:

Rorschach Psychodiagnostic Record	62
Wechsler-Bellevue Intelligence Scale	46
Thematic Apperception Test	13
Sentence Completion Test	30
Cornell-Index	22
Miscellaneous (Wechsler Memory Scale, Sorting Tests, Bender-Gestalt, etc.)	37
	210

October 1, 1955 through September 30, 1956

There have been 25 juveniles (18 years and under) admitted, 16 males, 9 females.

Years of age	18	17	16	14															
Number admitted	11	7	6	1															
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total						
Admissions	94	78	65	78	76	81	79	91	74	71	67	77	931						
Discharges	95	73	68	77	76	83	75	99	77	68	69	66	926						
First Admissions													711						
Second Admissions													134						
Third Admissions													50						
Fourth Admissions													23						
Fifth Admissions													5						
Sixth Admissions													5						
Seventh Admissions													2						
Eighth Admissions													1						
													931						

CONDITION

Unimproved	412	Recovered	102
Improved	405	Dead	7
			926

DISCHARGE DIAGNOSES

Schizophrenic Reaction	278
Manic Depressive Reaction, manic type	20
Manic Depressive Reaction, depressive type	19

Manic Depressive Reaction, other	2
Psychotic Depressive Reaction	68
Paranoid state	20
Involutional Psychotic Reaction	54
<i>Chronic Brain Syndrome</i>	
Associated with central nervous system syphilis	3
Drug or poison intoxication	1
Alcohol intoxication	5
Associated with brain trauma	2
Following irradiational brain trauma	1
Associated with cerebral arteriosclerosis	34
Associated with circulatory disturbance other than cerebral arteriosclerosis	5
Associated with convulsive disorder	19
Associated with Senile Brain disease	21
Associated with diseases of unknown or uncertain cause	3
Of unknown cause	12
<i>Acute Brain Syndrome</i>	
Associated with systemic infection	3
Drug or poison intoxication	18
Alcohol intoxication	53
Acute Hallucinosi s	10
Delirium Tremens	33
Associated with trauma	5
Associated with circulatory disturbance	6
Associated with convulsive disorder	2
With disease of unknown or uncertain cause	1
With metabolic disturbance	2
Associated with intracranial neoplasm	1
Of unknown cause	3
<i>Psychoneurotic Disorders</i>	
Anxiety reaction	23
Dissociative reaction	7
Conversion reaction	4
Phobic reaction	5
Obsessive compulsive reaction	9
Depressive reaction	117
Psychoneurotic reaction, other	3
<i>Personality Disorders</i>	
Inadequate personality	1
Schizoid personality	3
Cyclothymic personality	1
Paranoid personality	1
Emotionally unstable personality	5
Passive-aggressive personality	1
Sociopathic personality disturbance	1
Alcoholism	2
Drug addiction	3
Alcohol intoxication (simple drunk)	14

Transient Situational Personality Disorders

Adult situational reaction	2
Adjustment reaction of adolescence	1
Adjustment reaction of late life	2
Psychophysiologic gastro-intestinal reaction	2
Psychophysiologic nervous system reaction	2
Mental deficiency, idiopathic mild	4
Mental deficiency, idiopathic moderate	1
Mental deficiency, idiopathic severe	2
Diagnosis deferred	1
Observation psychiatric	3
Observation neurological	1
Paralysis Agitans	1

926

DISPOSITION

Home	461	Other Wards of Charles V.	
Home—Against Advice	47	Chapin Hospital	1
Own Custody	2	Rhode Island Hospital	8
State Hospital (Department		St. Joseph's Hospital	1
Public Welfare)	350	Our Lady of Fatima Hospital	3
McLean Hospital, Waverly,		Roger Williams General Hos-	
Massachusetts	1	pital	2
Institute of Living, Hartford,		South County Hospital	1
Connecticut	3	Miriam Hospital	3
Bournewood, Belmont, Massa-		Jane Brown Hospital	1
chusetts	2	United States Public Health	
Fuller Sanatorium, Attleboro,		Hospital, Chelsea, Mass. ..	1
Massachusetts	5	Newport Naval Hospital ...	1
Ring Sanatorium, Belmont.		Convalescent Home	1
Massachusetts	2	Soldier's Home, Bristol, R. I.	1
Veterans Administration Hos-		Juvenile Court	1
pitals		District Court	1
Davis Park	6	Dead	7
Brockton	13		
Boston	1		

926

CAUSES OF DEATH

Chronic Brain Syndrome associated with cerebral arteriosclerosis	1
Acute Brain Syndrome associated with intercranial pathology	1
Acute Brain Syndrome associated with circulatory disturbance due to thrombosis of nutritional artery	1
Arteriosclerosis (coronary artery)	1
Bronchopneumonia	3

7

The past year has been an interesting, instructive and busy one. Were it not for the loyal cooperation and willingness of the resident doctors, nurses, psychologist, social workers, and

office force, the heavy rate of admissions could not have been handled so efficiently. I would like at this time to express my gratitude and thanks to each of the members of the visiting staff for their wise counseling and availability. I would particularly like to thank Dr. Hilary J. Connor for his continued help and understanding.

Respectfully submitted,

SIDNEY S. GOLDSTEIN, M. D.
Director,
Neuro-Psychiatric Department

Report of Director of Nursing Service and School of Nursing

At the end of the fiscal year, the staff of the Nursing Department was as follows:

DIRECTOR OF NURSING SERVICE AND SCHOOL OF NURSING

Carmela Salvatore, R. N.

ASSISTANT DIRECTORS OF NURSING SERVICE

COMMUNICABLE DISEASE DIVISION
Elizabeth Regan McKenna, R. N.

PSYCHIATRIC DIVISION
Susan Tanzi Marcello, R. N.

INSTRUCTOR

Anna Neri, R. N., B. S.

ASSISTANT INSTRUCTOR

Sally Foster Hopkins, R. N.

SUPERVISORS

Mary D. Reilly, R. N.—Day
Mary E. Baxter, R. N.—Day
Beverly Griffith, R. N.—Acting Evening
Barbara McVay, R. N.—Night

GRADUATE NURSE PERSONNEL

COMMUNICABLE DISEASE DIVISION

Marilyn Bakstran	Anne Browe
Constance Cabral	Norma Cummings
Mona DiSimone	Joyce Gatzke
Rita George	Barbara Hanrahan
Isabel Gilman	Barbara Jablonski
Leona Izzi	Lillian Jones
Magdalen Jakubowicz	Mary Jane Lilly
Cecile Labbe	Rose Montecalvo
Ann Martin	Helen Roberts
Mary Nolan	Maureen Remarski
Elaine Shaw	Jeryl Spencer
Barbara Waugh	

Part Time

Catherine DeCubellis, R. N.
Patricia Shawcross, R. N.

PEDIATRIC DIVISION

Mary Abrahamson	Margaret Egan
Priscilla Hale	Lillian Nathanson
Gloria Riley	Dorothy Norton

PSYCHIATRIC DIVISION

Richard Cushman	Barbara Despres
Sarah Jane Ezell	Ann Hall
Phyllis McDonnell	Ann Pascale
Margaret Rostron	Irene Sowa
John Tencher	Vivian Wells

OUT-PATIENT DEPARTMENT

Grace Cannon, R. N.

Part Time

Angelita Colacci, R. N.

STUDENT NURSE PERSONNEL AND GEOGRAPHICAL DISTRIBUTION

Burbank Hospital Fitchburg, Massachusetts	28
Milford Hospital, Milford, Massachusetts	7
Waterbury Hospital, Waterbury, Connecticut	20
New England Baptist Hospital, Boston, Massachusetts	6
Laconia Hospital, Laconia, New Hampshire	8
Barre City Hospital, Barre, Vermont	6
Salve Regina College, Newport, Rhode Island	13
Sacred Heart Hospital, Manchester, New Hampshire	9
Framingham Union Hospital, Framingham, Massachusetts ..	13
Maine Medical Center, Portland, Maine	41
Elliot Hospital, Manchester, New Hampshire	18
St. Joseph's Hospital, Providence, Rhode Island	14
Nashua Memorial Hospital, Nashua, New Hampshire	4
Pawtucket Memorial Hospital, Pawtucket, Rhode Island	11
Post Graduate Students	3
Total	201
Diplomas Awarded	178
In the School of Nursing October 1, 1956	22
Total number of students since 1910	11,736

Within the past year, the Nursing Department has continued to maintain its high standard of patient care.

The revision of the Nursing Procedure Manual has been completed and the new manual has been very helpful to both

students and graduates. Although contagious disease technique has been incorporated into all procedures, they can be readily adjusted for non-communicable and psychiatric patient care.

The graduate Orientation and In-Service program has been very beneficial in providing better patient care, ward administration, and student supervision. There have been approximately 65 hours of graduate teaching within the past twelve months.

Fifty-two of the sixty graduate nurse positions are filled.

It has become increasingly difficult to obtain and retain students for Communicable Disease Nursing affiliations because nationally, nurse educators continue to favor experience, exclusively, in tuberculosis nursing. However, the school continues to function well. Since the beginning of the fiscal year, thirty nursing reference books have been added to the library.

The student handbook on housing has been revised, and suggestions which were made by the students were given every consideration.

In closing, may I take this opportunity to thank my assistants and the graduate staff for their efforts throughout the year, and to wish our students every success.

On behalf of my assistants, as well as myself, I would like to thank the heads of all departments and their personnel for their cooperation; the medical staff for giving so freely of their valuable time by participating in the educational programs of the communicable and neuro-psychiatric divisions; the Nursing Advisory Board, Dr. Connor and the Board of Hospital Commissioners for their continued interest in the welfare of the Nursing Department.

Respectfully submitted,

CARMELA SALVATORE, R. N.

*Director of Nursing Service
and School of Nursing*

Report of the Laboratory

During the fiscal year ending September 30, 1956 this laboratory performed a total of 45,886 tests, of which 45,729 were done for the Hospital itself, and 157 were done for the Health Department. Table I shows an analysis of the types of tests done. These tests included a wide variety.

During this year 15 autopsies were done and there were 31 deaths, making a percentage of 48.3%. This data is set forth in Table II.

Table III illustrates a breakdown of autopsies performed into system categories as far as possible. This year there were only two autopsies showing anterior poliomyelitis. There were two rather unusual cases. One was a case of meningococcemia with tiny adrenal hemorrhages. The other was a case of diffuse bilateral congenital cystic disease of the lungs.

Some new equipment was added to the laboratory this year, including two electric drying ovens and two hot air sterilizers.

I wish to thank the superintendent Dr. Connor for his interest in the laboratory. I desire also to thank the Medical Staff of the hospital, the Officers of the City Health Department, and the Technical Staff of the Laboratory for their cooperation.

Respectfully submitted,

LEROY W. FALKINBURG, M. D.
Director of Laboratories

Table I

	+	C. V. C. H.	?	+	H. D.	?	C. V. C. H.	H. D.	Total
Bacteriology:									
Cultures for hemolytic strep.....	311	6,134	.....	9	24	.....	6,445	33	6,478
Cultures for diptheria.....	.....	6,445	.....	.....	33	.....	6,445	33	6,478
Blood Cultures.....	.....	152	.....	.....	.....	.....	152	.....	152
Feces and Urine cultures.....	227	2,112	.....	2	6	.....	2,339	8	2,347
Seeds: ova and parasites, occult blood.....	86	2,102	.....	.....	.....	.....	2,188	.....	2,188
Ear Cultures.....	.....	.....	.....	.....	.....	.....	39	.....	39
Eye Cultures.....	.....	.....	.....	.....	.....	.....	8	.....	8
Sputum Cultures.....	14	6	.....	.....	2	.....	20	2	22
G. C. Cultures.....	75	120	.....	.....	.....	.....	198	.....	198
Smears for gonococci (G. U.).....	52	209	3	.....	.....	.....	281	.....	281
Smears for sputa for tubercle bacilli.....	49	151	1	.....	24	.....	201	24	225
Smears for Vincent's Angina.....	.....	.....	.....	.....	.....	.....	13	.....	13
Smears for Treponema pallidum.....	.....	.....	.....	.....	.....	.....	9	.....	9
Spinal fluid sediments and cultures.....	9	15	.....	.....	.....	.....	1,082	.....	1,082
Hang. drop for Trichomonas vaginalis.....	.....	.....	.....	.....	.....	.....	24	.....	24
Virulence tests for diptheria.....	.....	.....	.....	.....	.....	.....	1	.....	1
Animal inoculations for "T. B.".....	7	21	.....	.....	.....	.....	28	.....	28
Sensitivity Tests.....	.....	.....	.....	.....	.....	.....	322	5	327
N. P. Cultures.....	.....	.....	.....	.....	.....	.....	7	.....	7
Miscellaneous Cultures.....	.....	.....	.....	.....	.....	.....	139	.....	139
Miscellaneous examinations.....	.....	.....	.....	.....	.....	.....	154	.....	154
Total Bacteriology.....							20,095	105	20,200
Serology:									
Wassermann tests.....	24	1,198	80	1	14	2	1,302	17	1,319
Hinton tests.....	20	2,559	16	1	15	.....	2,595	16	2,611
Agglutination tests for typhoid.....	.....	.....	.....	.....	.....	.....	41	.....	41
Agglutin. tests for undulant fever.....	.....	.....	.....	.....	.....	.....	44	.....	44
Agglutin. tests for proteus Ox-19.....	.....	.....	.....	.....	.....	.....	45	.....	45
Sheep cell agglutination.....	.....	.....	.....	.....	.....	.....	111	.....	111
Total Serology.....							4,138	33	4,171

Table II
 NECROPSIES, 1910 TO SEPTEMBER 1956

Year	Number of Deaths	Number of Necropsies	Percentage
1910.....	86	16	18.6
1911.....	121	14	11.5
1912.....	152	20	13.1
1913.....	154	44	28.5
1914.....	157	40	25.4
1915.....	176	51	28.9
1916.....	249	60	24.0
1917.....	243	17	26.9
1918.....	297	9	3.0
1919.....	208	6	2.8
1920.....	171	13	7.6
1921.....	136	25	18.3
1922.....	125	13	10.4
1923.....	200	71	35.5
1924.....	122	29	23.7
1925.....	130	57	43.8
1926.....	141	72	51.0
1927.....	125	87	69.6
1928.....	163	92	56.4
1929.....	168	114	57.8
1930.....	159	81	50.9
1931.....	193	90	46.6
1932.....	179	91	50.8
1933.....	148	55	37.1
1934.....	118	61	51.6
1935.....	132	48	36.3
1936.....	163	61	37.4
1937.....	172	67	38.9
1938.....	124	56	45.2
1939.....	131	66	50.3
1940.....	134	84	62.6
1941.....	130	85	61.1
1942.....	126	65	51.6
1943.....	174	91	52.3
1944.....	140	66	47.1
1945.....	132	51	38.6
1946.....	106	53	50.0
1947.....	100	61	61.0
1948.....	89	41	46.1
1949.....	65	33	50.8
1950.....	64	39	60.9
1951.....	73	40	54.0
1952.....	48	23	47.9
1953.....	59	27	45.7
1954.....	18	11	61.1
1955.....	39	18	46.1
1956.....	31	15	48.3
Total.....	6,380	2,329	36.5

Table III

PRINCIPAL CAUSES OF DEATH AS DETERMINED AT
POSTMORTEM EXAMINATION

Autopsy Number	Causes of Death	Age
	<i>Nervous System</i>	
A-18-55	Acute Anterior Poliomyelitis	26 years
A-19-55	Meningomyelocele and Acute Spinal Leptomeningitis	1 month
A-20-55	Acute Anterior Polymyelitis	13 years
A-3-56	Acute Suppurative Leptomeningitis	11 years
A-6-56	Cerebral Hemorrhage	18 years
	<i>Respiratory System</i>	
A-1-56	Bilateral Pulmonary Tuberculosis	42 years
A-2-56	Lung Abscesses and Bilateral Bronchopneumonia	70 years
A-5-56	Bilateral Congenital Cystic Disease of Lungs	7 months
A-9-56	Pulmonary Hyaline Membrane Disease	2 days
A-11-56	Bilateral Pulmonary Tuberculosis	45 years
	<i>Cardiovascular Renal System</i>	
A-4-56	Congenital Cardiac Disease	3 months
A-7-56	Congenital Cardiac Disease	1 year
	<i>Miscellaneous</i>	
A-8-56	Portal Cirrhosis of Liver	52 years
A-10-56	Meningococcemia with Tiny Adrenal Hemorrhages	2 months
A-12-56	Pemphigus	75 years

Report of the Out-Patient Department

The total number of visits in the Out-Patient Department during the past fiscal year was 9,482, an increase of 672 over last year.

Increases were evident in the Departments of Urology and Tuberculosis. While gonorrhea showed a marked increase, as it did in the previous year, most diagnoses were made by positive cultures even in pretreated patients. More minor accidents were taken care of than during the year before, and 2,553 food handlers were examined.

Decreases were seen in the Departments of Dermatology and Pediatrics. The Pediatric Clinic showed the effect of the lower percentage of illness in children during the summer and fall seasons.

There was no change in the nursing and office staff of the Out-Patient Department which consisted of Mrs. G. Cannon and Mrs. A. Colacci, nurses, and Miss C. Panzini, office clerk.

I wish to express my appreciation to the visiting staff for their good cooperation and to the nurses, secretary, and laboratory workers for their help during the past year.

Respectfully submitted,

JUERGEN NICOLAS, M. D.

Out-Patient Department 1956

DEPARTMENTS	New Patients	First Visits of Old Patients in 1956	Total Individuals	Revisits	Total Visits 1956	Total Visits 1955
Syphilis	4	25	29	104	133	107
Neuro-Syphilis	1	2	3	19	22	26
Dermatology	67	26	93	222	315	528
Gynecology	32	11	43	107	150	91
Urology	64	11	75	207	282	237
Neuro-Psychiatry	56	10	66	351	417	446
Pediatrics	161	39	200	354	554	904
Tuberculosis	652	1,241	1,893	2,732	4,625	4,383
Medicine	168	31	199	479	678	694
Ophthalmology	0	0	0	0	0	0
Orthopedics	110	3	113	147	260	295
Ear, Nose, and Throat	0	0	0	0	0	0
V. D. Penicillin Rx.	165	38	203	765	968	447
V. D. Examination	101	48	149	435	584	336
State Rheumatic Fever Clinic	26	0	26	272	298	316
Minor Accident and Surgical Clinic	196	0	196	0	196	0
Total	1,803	1,485	3,288	6,194	9,482	8,810

Report of the Dietary Department

A total of 270,664 meals were served during the year ending September 30, 1956, which is 20,153 less than the number of meals served during 1955. The cost of raw food was 38¢ per meal. Last year the cost of raw food was 36¢ per meal.

The following table shows the distribution of meals served to the patients and in the dining rooms.

	MEAL COUNT							Total
	Dining Rooms			Distribution to Patients				
	Doctors'	Nurses'	Employees'	Surg- ical	Commun- icable	Pedi- atric	Psychi- atric	
October 1955.	1,025	6,022	4,563	.....	12,748	.....	4,560	28,918
November ...	977	6,242	4,539	.....	11,586	.....	4,377	27,721
December ...	1,035	5,590	4,620	.....	10,339	.....	4,375	25,959
January 1956	1,019	5,990	4,565	.....	8,746	.....	4,101	24,421
February ...	1,046	5,934	4,330	.....	7,256	.....	4,137	22,703
March	1,105	6,068	4,546	.....	6,588	.....	4,575	22,882
April	1,048	5,721	4,362	.....	6,127	.....	4,419	21,677
May	1,074	6,104	4,185	.....	6,102	.....	4,893	22,358
June	1,011	5,806	4,067	.....	4,797	.....	3,966	19,647
July	1,022	5,563	4,037	.....	3,013	930	4,338	18,903
August	1,113	4,906	4,258	.....	2,824	930	4,272	18,303
September ..	1,180	4,178	4,054	.....	2,564	900	4,296	17,172
Total	12,655	68,124	52,126	.....	82,690	2,760	52,309	270,664

Major equipment purchased during the year consisted of a Roper gas range for the special diet kitchen and a Blodgett baking and roasting oven for the main kitchen. Minor equipment and utensils were repaired or replaced as necessary.

I would like to thank Dr. Connor, the hospital staff and employees, for their cooperation and assistance.

Respectfully submitted,

RUTH E. DAVIDSON,

Dietitian

Report of the Maintenance Department

The many new improvements in the interior hospital plant this year taxed our maintenance staff to the limit. Most important of these was the installation of rubber tile floors in various hospital departments and the installation of aluminum jalousie type doors on West, Richardson, East, and Hindle Buildings.

Painting of various sections of the hospital kept our painters very active and they should be mentioned for their excellent workmanship.

Following the poliomyelitis epidemic, much new equipment was needed for the rehabilitation of the poliomyelitis patients. Some of this orthopedic equipment was designed and constructed by our own workmen and can be used in the future for other type patients requiring rehabilitation.

The large ward on West I was equipped with a six ton air conditioner and new electric lines were put in to take care of fourteen respirators. It is now almost impossible to blow a fuse from any overload with all respirators in operation. With the air conditioner it is possible to filter and change the air whenever necessary, which is highly beneficial particularly to the respiratory patients.

Following is a list of projects other than routine work:

CONSTRUCTED

- 2 Sets of orthopedic parallel bars
- 1 Crawler
- 1 Twelve-step exercise platform
- 2 Floor mirrors
- 1 Reading rack for rocking bed
- 10 Bed frames and slings
- 40 Bed boards and foot boards
- 20 Bulletin boards
- 6 Tables with formica tops

- 4 Wood cabinets
- 36 Window screens
- 1 Bookcase
- 1 Mattress rack

INSTALLATIONS

- 180 Window shades
- Six-inch main steam valve
- 1 Exhaust fan, pastry kitchen
- 20 Overhead electric fixtures
- 1 Transom screen, Hindle Building
- 1 Merry-go-round, outside Hindle Building
- 2 Blow down valves, 2½", boiler room
- Copper gutters, Superintendent's residence
- Feed water line, boiler room
- Plastering, few rooms in North Building
- Copper gutters and conductors, Hindle Building
- Steam regulator and valves, Hindle Building
- Overhead type door, garage
- Overhead type door, mattress sterilizer room
- Instant hot water heater, Richardson Building
- Asphalt on tunnel top between Service and Richardson Buildings
- Porch awning, West Building
- Rubber tile floors, West I, Richardson I, and East I and II
- Aluminum self-storing door, Superintendent's residence
- Disconnect switch for emergency generators
- Regulators and thermometers on boilers #1, #2 and #3
- Safety catches, 4 on each of 60 cribs
- 90 Tubes in #3 boiler
- Electric lines with panel boards and 16 duplex outlets, warning bells and lights, West and Richardson Buildings
- Electric line, 220 volt, Nurses' Home
- Complete elevator overhaul, East Building
- All elevators safety tested and put in A-1 working order
- 26 Steam leaks repaired

PAINTED

- North I and II, also furniture refinished
- Richardson I and II, and furniture refinished
- East I, seven rooms and all door casings
- East II, and furniture refinished
- West II, four rooms and furniture refinished
- Hindle east and west wings, and some furniture refinished
- West II, large south ward
- Nurses' and employees' dining rooms
- All cribs, beds, and bedside cabinets
- Parking areas lined
- Repair shop and tunnel

NEW EQUIPMENT

- 2 Hot pack machines
- 24 Walnut arm chairs
- 1 Croupette
- 1 Refrigerator, 10 cubic feet
- 1 Walnut desk
- 1 Roper gas range
- 1 Junior walker
- 1 Wheelchair
- 16 Security beds with springs, psychiatric wards
- 3 Tiny-Tot chairs
- 6 Youth beds
- 1 Three-panel screen
- 1 Viso cardiette
- 6 Varihite beds
- 2 Utensil steam sterilizers
- 1 Electric food cart
- 1 Two-plate gas stove
- 24 Wooden chairs, Richardson Building
- 1 Oldsmobile 4-door sedan
- 4 Royal typewriters
- 1 Five-compartment bake oven
- 2 Aluminum painter's scaffolds
- Blood bank equipment including refrigerator, centrifuge, 2 water baths and microscope
- 2 Electric drying ovens, laboratory
- 2 Electric hot air sterilizers, laboratory
- 1 Big beam auxiliary lamp
- 1 Aluminum stepladder
- 1 Six-ton air conditioner
- 1 One-ton air conditioner
- 1 Watchman's clock
- 1 Patient bed lift
- 1 Patient bed lift roller
- 1 Furnace oil burner
- 1 Electric toaster

To Dr. Connor I wish to express my appreciation for his interest in this department, and to the maintenance staff, my sincere thanks for their willingness and cooperation throughout the year.

Respectfully submitted,

JAMES E. KELLY,
Engineer

Acknowledgments

BOOKS, MAGAZINES, SCRAPBOOKS, TOYS, CARDS, ETC.

Miss Elizabeth Mangione
Mrs. A. Bissell
Mr. Cal Casey, Jr.
Dr. I. Gershman
Church Periodical Club, Grace Church
Mr. Daniel Silverman
Lady Lincoln Council of Sons and Daughters of Liberty
Miss Olive A. Willis
Mrs. John L. Clark
Hassenfeld Bros. Inc.
Citizens Savings Bank
Oaklawn Branch Troop
Cub Scouts Den 4, Pack 1, North Scituate
St. Matthew's Episcopal Church Sunday School
Miss Barbara Dodge
Smith Hill Girls Club
American Federation of Music Clubs
Cub Scouts, Pack 2, Greenville
Greenville Brownie Troop
Miss Linda Jeffrey
Miss Linda W. Smith
Mrs. Anthony Palumbo
Cranston Brownie Troop 177
Mr. James A. Grant
Mr. Don Wells
Mr. Mitchell and Miss Carol Hermann
Norton Brownie Troop 7
Mr. W. Yeager
Cranston Chapter Red Cross
6th Grade, St. Pius School
Central Baptist Church School
Cub Scouts 8, Pack 15, Den 3
Mrs. Cora E. Kennedy
Pioneer Youth Group, United Presbyterian Church
Mr. Christopher Ogden
Mr. M. Picchione
Mr. C. L. Harden
Mrs. Dandridge M. Gray
Mr. Royal Brouillard
Mrs. Erving G. Bissell
Mrs. Jean Pettee
Mr. R. D. Marshall
Mrs. Mary Moon
Mrs. R. W. Hartley

MISCELLANEOUS

Mr. Martin Noonan, flowers
 Mrs. Vincent Treubig, candy
 Brownie Troop 120, Christmas favors and place mats
 Dr. M. Adelman, candy for children and for nurses
 Jr. Red Cross, favors at Thanksgiving, Christmas, Valentine's Day
 and Easter
 Mr. Danny Silverman, candy
 Greystone Brownie Troop 141, Halloween tray favors
 Mrs. William Greenfield, basket of fruit
 Cranston Brownie Troop 170, Thanksgiving favors
 Greenville Brownie Troop, Thanksgiving favors
 Girl Scout Troop 78, Thanksgiving favors
 Mrs. Morton W. Potts, wheelchair
 R. I. Dental Hygienists Association, Christmas candy and writing pens
 Mrs. Howard Rex, television
 Mrs. R. H. I. Goddard, television
 Woonsocket Troop 43, Christmas gifts, stockings, and candy
 Newport 4-H Club, Evergreen centerpiece and Christmas place mats
 St. Andrew's Church, candy and Christmas gifts
 St. Paul's Church, candy and Christmas gifts
 Mr. Jerry Lorenzo, televisions
 Smith Hill Girl's Club, tray favors
 Mr. Sydney Gurnick, played role of Santa Claus for patients
 Cranston Senior High School, Christmas carols
 Mr. Edwin Drew, orchestral concert
 Pawtucket Salvation Army, fruit and Christmas gifts
 Hillside Garden Club, Christmas corsages
 Friendship Chain Club, candy baskets
 Edgewood Branch, International Sunshine Society, wheelchair
 Miss Mary Carloni, wheelchair
 Yellow Cab drivers and manager, radio
 Barrington Brownie Troop 238, Valentine favors
 Pawtucket Cub Scouts Den 3, Pack 15, ice cream
 Busy Little Blue Birds, candy tray favors
 Pawtucket Brownie Troop 42, Easter favors
 Saylesville Girl Scout Troop 42, Easter favors
 North Providence Girl Scout Troops 59 and 60, Easter baskets
 Calvary Baptist Church Camp Fire Girls, Easter baskets
 Kenyon Piece Dye Works, Easter eggs
 C-Lu-Ta-ka Camp Fire Girls, Easter favors
 East Greenwich Assembly No. 4, Order of Rainbow Girls, Easter favors
 Cranston Jr. Red Cross, Easter favors
 Cranston Assembly No. 2, Order of Rainbow Girls, Easter favors
 Hoxsie Girl Scout Troop #3, Easter favors
 Class II-A, Classical High School, lollipops
 Providence Chapter Women's Mizrachi, cake
 Greystone Brownie Scout Troop 141, May baskets
 Providence Girl Scout Troop 18, May baskets and candy
 Class 7-A, Nathaniel Greene Jr. High School, \$15.00
 Mr. C. L. Clifton, child's shoe with leg brace