

1963

# Boston University bulletin: School of Medicine: 1963-1964

---

<https://hdl.handle.net/2144/28816>

*Downloaded from DSpace Repository, DSpace Institution's institutional repository*

1963-1964

# *School of Medicine*

---



*This bulletin contains current information regarding the calendar, admissions, degree requirements, fees, regulations, and course offerings. The policy of the University is to give advance notice of change, whenever possible, to permit adjustment. However, the University reserves the right to make changes whenever it is deemed advisable.*

## **BOSTON UNIVERSITY BULLETIN**

---

**80 EAST CONCORD STREET  
BOSTON, MASSACHUSETTS**

*Boston University Press*

THE  
SCHOOL OF THE  
MIRACLES



THE  
SCHOOL OF THE  
MIRACLES

# Contents

	PAGE
CALENDAR 1963-1964	4
THE CORPORATION	6
UNIVERSITY ADMINISTRATIVE OFFICERS	7
OFFICERS OF ADMINISTRATION AND INSTRUCTION	9
STANDING COMMITTEES OF THE FACULTY	43
BOSTON UNIVERSITY	46
BOSTON UNIVERSITY MEDICAL CENTER	55
SCHOOL OF MEDICINE	57
Clinical Facilities	58
Libraries	61
ADMISSION AND DEGREE REQUIREMENTS	62
Four-Year Program (M.D.)	62
Degree Requirements	63
Six-Year Program—Liberal Arts-Medical Education (M.D.)	64
Promotion	65
FINANCIAL AND GENERAL INFORMATION	66
University Fees 1963-1964	66
Scholarships, Loans, Awards, and Fellowships	69
GENERAL INFORMATION	72
STUDENT LIFE AND SERVICES	74
COURSES OF INSTRUCTION	77
GRADUATE DENTISTRY—PROGRAM OF TRAINING	113
GRADUATE SCHOOL—DIVISION OF MEDICAL SCIENCES	123
BREAKDOWN OF HOURS	124
SCHEDULES	125
HOSPITAL APPOINTMENTS—CLASS OF JUNE, 1963	129
REGISTER OF STUDENTS	131
ALUMNI ASSOCIATION	137

# Academic Calendar 1963-1964

## Fourth-Year Class June 10, 1963-June 7, 1964

	1963
Instruction begins, 8 A.M.	Monday, June 3
*Independence Day	Thursday, July 4
*Labor Day	Monday, September 2
*Columbus Day	Saturday, October 12
*Veterans' Day	Monday, November 11
*Thanksgiving Day	Thursday, November 28
*Christmas Convocation	Monday, December 16
†Christmas Recess:	
First half of class	Saturday, December 21- Saturday, December 28
Second half of class	Saturday, December 28- Saturday, January 4
1964	
*Washington's Birthday	Saturday, February 22
*Founders Day	Wednesday, March 11
*Patriots' Day	Monday, April 20
Last day of instruction	Saturday, May 30
School of Medicine Class Day Exercises	Saturday, June 6
Commencement Day	Sunday, June 7

\*Holiday only at the discretion of the heads of services to which students are assigned.  
 †Arrangements to be made by the students with the services. One half of group should take one week and the other half the second week, thus leaving someone on duty at all times. These dates are subject to change.

All students will be given time off to study for the National Board Examinations in April. When the dates of the examinations are received, a notice will be posted giving the definite days.

**First-, Second-, and Third-Year Classes**  
**September 9, 1963–May 23, 1964**

	<b>1963</b>
<b>FIRST SEMESTER</b>	
Registration Day:	
First-Year, 9 A.M.	Monday, September 9
Second-Year, 10 A.M.	Monday, September 9
Third-Year, 1 P.M.	Monday, September 9
Opening Exercises	Monday, September 9
Freshman-Sophomore Luncheon	Monday, September 9
Freshman Alumni Dinner, 6:30 P.M.	Monday, September 9
Instruction begins:	
First-Year, 1 P.M.	Tuesday, September 10
Second-Year, 9 A.M.	Tuesday, September 10
Third-Year, 8 A.M.	Tuesday, September 10
Columbus Day: classes suspended	Saturday, October 12
Veterans' Day: classes suspended	Monday, November 11
Thanksgiving Day: classes suspended	Thursday, November 28
Christmas Convocation	Monday, December 16
Christmas Recess	Saturday, December 21– Monday, January 6
	<b>1964</b>
Examination Period:	
First- and Second-Year	Monday, January 13– Saturday, January 18
<b>SECOND SEMESTER</b>	
Registration: second semester	Monday, January 20– Tuesday, January 21
Instruction resumed, 9 A.M.:	
First- and Second-Year	Monday, January 20
Washington's Birthday: classes suspended	Saturday, February 22
*Founders Day	Wednesday, March 11
Spring Recess	Saturday, March 21– Monday, March 30
Patriots' Day: classes suspended	Monday, April 20
Reading Period	Monday, May 11– Monday, May 18
Examination Period	Monday, May 18– Saturday, May 23

\*Time off to attend convocation will be granted. One-day notice to instructor concerned is required.

# The Corporation • 1962-1963

## *The Founders of Boston University*

LEE CLAFLIN  
ISAAC RICH  
JACOB SLEEPER

## *The Associate Founders*

ALDEN SPEARE  
EDWARD H. DUNN  
ROSWELL R. ROBINSON  
CHESTER C. CORBIN  
AUGUSTA E. CORBIN  
CHARLES HAYDEN  
ANNE A. RAMSEY

## *The Trustees of Boston University*

SHIELDS WARREN, *Chairman*  
EDWARD C. STONE,  
*Honorary Chairman*  
J. MARK HIEBERT, *Vice Chairman*  
VINCENT P. CLARKE, *Secretary*  
H. FREDERICK HAGEMANN, JR.,  
*Treasurer*  
HANS H. ESTIN, *Assistant Secretary*

## *HAROLD C. CASE, President*

O. KELLEY ANDERSON	ERNEST HENDERSON
J. LEE BAUSHER	HAROLD D. HODGKINSON
GERHARD D. BLEICKEN	EDWARD M. KENNEDY
HOWARD D. BREWER	ROBERT C. LINNELL
F. NELSON BRIDGHAM	RICHARD B. LOMBARD
PAUL F. CLARK	AUGUSTUS P. LORING
ALBERT V. DANIELSEN	DANIEL L. MARSH
DEANE C. DAVIS	JAMES K. MATHEWS
JOSÉ A. FERRÉ	JAMES B. McINTOSH
DANIEL J. FINN	ARTHUR G. B. METCALF
PETER FULLER	STEPHEN P. MUGAR
FRANCIS C. GRAY	KATHERINE B. OETTINGER

THOMAS A. PAPPAS  
JOHN S. PERKINS  
JOSEPH EARL PERRY  
JEROME PRESTON  
GEORGE SHERMAN  
WILLIAM B. SNOW  
ABRAHAM M. SONNABEND  
DEWEY D. STONE  
H. HUGHES WAGNER  
MARK C. WHEELER  
GEORGE F. WRIGHT

## *Honorary Trustees*

AUGUSTA F. CLARK	RALPH LOWELL
WM. ROGER GREELEY	*NORMAN B. NASH
FRANK W. KIMBALL	DANIEL T. O'CONNELL

\*\*G. BROMLEY OXNAM  
EMMA FALL SCHOFIELD

## *Executive Committee*

JOHN S. PERKINS, <i>Chairman</i>	JAMES B. McINTOSH
HOWARD D. BREWER	JOSEPH EARL PERRY
PAUL F. CLARK	JEROME PRESTON
VINCENT P. CLARKE	WILLIAM B. SNOW
HANS H. ESTIN	
JAMES K. MATHEWS	

DEWEY D. STONE  
CHAIRMAN OF THE  
TRUSTEES  
TREASURER OF THE  
TRUSTEES  
PRESIDENT OF THE  
UNIVERSITY

## *Additional officers elected by the Executive Committee:*

JOHN A. DUNN, *Recording Secretary of the Executive Committee*  
KURT M. HERTZFELD, *Assistant Treasurer*

\*Deceased January 3, 1963

\*\*Deceased March 12, 1963

# University Administrative Officers

HAROLD C. CASE, S.T.B., Litt.D., Sc.D., LL.D., L.H.D., *President of the University*  
DANIEL L. MARSH, Ph.D., D.C.L., L.H.D., LL.D., *Chancellor of the University*

## EXECUTIVE COUNCIL

HAROLD C. CASE, S.T.B., D.D., Litt.D., Sc.D., LL.D., L.H.D., *President*  
EVERETT WALTERS, A.B., A.M., Ph.D., *Vice President for Academic Affairs*  
J. WENDELL YEO, B.B.A., Ed.M., Ph.D., *Vice President for Student Affairs*  
KURT M. HERTZFELD, A.B., M.B.A., *Vice President for Administrative Affairs*  
LYNFORD E. KAUTZ, *Vice President for University Development*  
GEORGE A. WARMER, A.B., A.M., S.T.B., D.D., *Vice President for University Affairs*  
MARGARET H. MERRY, A.B., M.A., Ph.D., L.H.D., *Executive Assistant to the President*  
JOSEPH KIEBALA, JR., A.B., A.M., *Comptroller*  
JULIA C. PRATT, A.B., *Administrative Secretary to the President (Secretary)*

## UNIVERSITY COUNCIL

THE PRESIDENT OF THE UNIVERSITY (*Chairman*)  
THE EXECUTIVE ASSISTANT TO THE PRESIDENT (*Secretary*)  
THE VICE PRESIDENT FOR ACADEMIC AFFAIRS  
THE VICE PRESIDENT FOR STUDENT AFFAIRS  
THE DIRECTOR OF ACADEMIC SERVICES  
RICHARD S. BEAR, S.B., Ph.D., *Dean of the Graduate School*  
JACK R. CHILDRESS, B.Ed., M.S., Ph.D., *Dean of the School of Education*  
JAMES W. KELLEY, A.B., M.A., Ph.D., *Acting Dean of the College of Business Administration*  
SYDNEY S. GELLIS, A.B., M.D., *Acting Dean of the School of Medicine*  
ELWOOD H. HETRICK, A.B., LL.B., LL.M., LL.D., *Dean of the School of Law*  
ANNE K. KIBRICK, R.N., B.S., A.M., Ed.D., *Dean of the School of Nursing*  
HORATIO M. LAFAUCI, A.B., A.M., Ed.D., *Dean of the College of Basic Studies*  
GEORGE K. MAKECHNIE, B.S. in Ed., Ed.M., *Dean of Sargent College*  
JOHN McDOWELL, A.B., B.D., *Dean of the School of Social Work*  
RICHARD M. MILLARD, B.A., A.M., Ph.D., *Dean of the College of Liberal Arts and the Division of General Education*  
WALTER G. MUELDER, B.S., S.T.B., Ph.D., *Dean of the School of Theology*  
EDWIN E. STEIN, B.M., M.M., Ph.D., *Dean of the School of Fine and Applied Arts*  
ARTHUR T. THOMPSON, A.B., B.S., M.S., S.M., M.B.A., P.E., *Dean of the College of Industrial Technology*  
GERHART D. WIEBE, A.B., M.A., Ph.D., *Dean of the School of Public Relations and Communications*  
JAMES F. BAKER, B.S. in Ed., Ed.M., Ed.D., *Director of the Division of Continuing Education (ex officio)*  
GUSTAVE A. HARRER, A.B., M.A., Ph.D., M.S., *Director of the University Libraries and Museums (ex officio)*

## PRESIDENT'S CABINET

## THE VICE PRESIDENTS

## THE EXECUTIVE ASSISTANT TO THE PRESIDENT

## THE DEANS OF THE SCHOOLS AND COLLEGES

NORMAN H. ABBOTT, B.B.A., M.B.A., *Director of the Placement Service*

JOHN E. ALMAN, B.A., M.A., *Director of Statistical and Research Services*

JAMES F. BAKER, B.S. in Ed., Ed.M., Ed.D., *Director of the Division of Continuing Education*

PAUL M. BATES, *Captain, Director of University Security*

PHILIP E. BUNKER, B.B.A., M.C.S., *Business Manager for Student Activities and Athletics*

H. ROBERT CASE, B.S., M.S., *Director of the Photo Service*

WILLIAM J. CURRAN, A.B., LL.B., LL.M., M.S.H., *Director of Law-Medicine Research Institute*

STATON R. CURTIS, B.S., M.Ed., *Dean of Students*

WILLIAM F. DOLLARD, Mus.B., *Director of Annual Giving; Director of the Library Campaign*

PAUL J. DUVAL, S.B. in B.A., *Director of Tabulating Services*

JOHN E. EWART, B.S., *Director of George Sherman Union*

JOHN GAWNE, A.B., A.M., Ed.D., *Director of the Counseling Service*

NORMAN M. GAY, B.B.A., *Director of the University Book Stores*

EMANUEL GOLDBERG, B.S. in J., M.A., *Director of the News Bureau*

STUART GROUT, B.A., M.A., Ph.D., *Director of Academic Services*

ROBERT H. HAMILL, B.S., B.D., D.D., *Dean Designate of the Chapel*

GUSTAVE A. HARRER, A.B., M.A., Ph.D., M.S., *Director of the University Libraries and Museums*

EVERETT E. HICKS, B.S. in B.A., *Director of Financial Aid for Students*

J. BERTRAM KESSEL, B.A., M.A., Ed.D., *Director of Physical Education and Recreation; Administrator of Sargent Camp*

JOSEPH KIEBALA, JR., A.B., A.M., *Comptroller*

DONALD C. KLEIN, A.B., Ph.D., *Director of Human Relations Center*

ROBERT B. KNAPP, B.A., A.M., Ed.D., *Director of International Student Center*

JAMES G. LARKIN, *Director of the Veterans' and Selective Service Center*

SAMUEL E. LEARD, B.S., M.D., *Director of the Student Health Service*

RUSSELL W. MacLAREN, B.S. in B.A., *Director of Physical Plant*

ELSBETH MELVILLE, A.B., M.A., *Associate Dean of Students; Dean of Women*

RALPH W. MURRAY, B.S., *Director of Housing and Food Service*

DONALD L. OLIVER, S.B., Ed.M., *Director of Admissions*

WILLIAM PETERS, *Director of Purchases*

LLOYD C. PETERSON, A.B., A.M., *University Registrar*

KENNETH REYNOLDS, A.B., B.S., *Resident Director of Sargent Camp*

J. ARTHUR SAMUELSON, A.B., S.T.B., S.T.M., *Dean of Men*

ROBERT W. SHERBURNE, B.B.A., M.B.A., C.P.A., *Director of the Summer Term*

R. VICTOR STOUT, *Director of Intercollegiate Athletics*

\*HOWARD THURMAN, B.A., B.D., D.D., HH.D., LL.D., Litt.D., *Dean of the Chapel*

EDWARD D. TRIPP, B.S., Ed.M., *Director of University Personnel Services*

GEORGE E. VAN DYKE, B.S., M.S., *Director of the University Budget*

RANDALL W. WEEKS, *Director of Alumni Affairs*

CHARLES B. WOODMAN, A.B., M.R.P., *Planning Officer*

\*Leave of absence, 1963-64

# Officers of Administration and Instruction\*

## School of Medicine

- HAROLD C. CASE, S.T.B., D.D., Litt.D., Sc.D., LL.D., L.H.D., *President*  
EVERETT WALTERS, A.B., A.M., Ph.D., *Vice President for Academic Affairs*  
J. WENDELL YEO, B.B.A., Ed.M., Ph.D., *Vice President for Student Affairs*  
LEWIS H. ROHRBAUGH, Ph.B., Ph.D., Sc.D., *Director, Boston University Medical Center*  
SYDNEY S. GELLIS, A.B., M.D., *Acting Dean of the School of Medicine*  
ALBERT H. HEGNAUER, A.B., Ph.D., *Assistant Dean*  
ANNE GOWING, *Adviser on Admissions and Student Affairs*  
CONSTANCE H. MACDONALD, A.C.S., *Administrative Assistant*  
FLORENCE E. TURNER, A.B., M.S., *Librarian*

### PROFESSORS EMERITI

- DAVID L. BELDING, *Professor of Bacteriology and Experimental Pathology, Emeritus*  
A.B. (Williams); Ch.B. (Boston University); M.D., A.M. (Harvard) 215 Main Street, Hingham
- J. LEROY CONEL, *Waterhouse Professor of Anatomy, Emeritus*  
A.B. (Millikin); M.A., Ph.D. (Illinois) 154 Washington Street, Newton
- JOHN G. DOWNING, *Professor of Dermatology, Emeritus*  
A.B. (Boston College); M.D. (Harvard) 520 Commonwealth Avenue
- ELEANOR B. FERGUSON, *Professor of Anesthesiology, Emerita*  
S.B., M.D. (Boston University) Eel River Road, Osterville
- WILLIAM A. HAM, *Clinical Professor of Obstetrics, Emeritus*  
M.D. (Boston University) 1683 Dorchester Avenue, Dorchester
- SANFORD B. HOOKER, *Professor of Immunology, Emeritus*  
A.B. (Dartmouth); A.M. (California); Ch.B., M.D. (Boston University) Bradford, Vt.
- LOUIS G. HOWARD, *Professor of Orthopedic and Fracture Surgery, Emeritus*  
M.D. (Boston University) Eel River Road, Osterville
- CHESTER S. KEEFER, *University Professor and Wade Professor of Medicine, Emeritus*  
B.S., M.S. (Bucknell); M.D. (Johns Hopkins); Sc.D. (Hon.) (Bucknell and Boston University)  
80 East Concord Street

\*The address is Boston unless otherwise stated.

- GEORGE LEVENE, *Professor of Radiology, Emeritus*  
M.D. (Boston University) Box 337, Vineyard Haven
- SAMUEL R. MEAKER, *Professor of Gynecology, Emeritus*  
A.B. (Princeton); A.M. (Boston University); M.D. (Harvard)  
V.A. Regional Office, San Francisco, Calif.
- LEROY M. S. MINER, *Professor of Stomatology, Emeritus*  
D.M.D. (Harvard); M.D. (Boston University); D.P.H. (Hon.) (Temple) 363 Marlborough Street
- JOHN M. MURRAY, *Professor of Psychiatry, Emeritus*  
B.S. (Dartmouth); M.D. (Pennsylvania) 82 Marlborough Street
- RICHARD H. NORTON, *Professor of Stomatology, Emeritus*  
D.D.S. (Pennsylvania); D.M.D. (Tufts) 15 Bay State Road
- E. EVERETT O'NEIL, *Clinical Professor of Surgery, Emeritus*  
A.B., M.D. (Harvard) 264 Beacon Street
- OSCAR J. READER, *Professor of Psychiatry, Emeritus*  
M.D. (Washington University) 39 Court Street, Dedham
- FRANCESCO RONCHESE, *Clinical Professor of Dermatology, Emeritus*  
M.D. (Padua, Italy) 170 Waterman Street, Providence, R. I.
- \*C. WESLEY SEWALL, *Professor of Obstetrics, Emeritus*  
M.D. (Boston University) 98 Maple Street, Dedham
- EDWIN W. SMITH, *Professor of Obstetrics, Emeritus*  
Ch.B., M.D. (Boston University) P.O. Box 524, Danielson, Conn.
- HELMUTH ULRICH, *Professor of Medicine, Emeritus*  
M.D. (Boston University) 24 Winston Avenue, Wilmington, Del.
- SAMUEL N. VOSE, *Professor of Urology, Emeritus*  
Ch.B. (Wesleyan); M.D. (Boston University) 29 Bay State Road
- CONRAD WESSELHOEFT, *Clinical Professor of Medicine, Emeritus*  
M.D. (Harvard) 315 Marlborough Street

### FACULTY

- ARCHIE A. ABRAMS, *Associate Professor of Obstetrics and Gynecology*  
A.B., M.D. (Western Reserve) 203 Commonwealth Avenue
- ARNOLD L. ABRAMS, *Instructor in Psychiatry*  
A.B. (Harvard); M.D. (Boston University) 15 Ashburton Place
- PHILIP E. ADAMS, *Visiting Clinical Professor of Orthodontics*  
D.M.D. (Tufts) 170 Marlborough Street
- RALPH H. ADAMS, *Clinical Professor of Surgery*  
B.A. (Vanderbilt); M.D. (Harvard) Huggins Hospital, Wolfeboro, N. H.
- RONALD W. ADAMS, *Assistant Clinical Professor of Orthopedic and Fracture Surgery*  
B.S. (Denison); M.D. (Boston University) 701 Washington Street, Newtonville
- HOLLIS L. ALBRIGHT, *Assistant Clinical Professor of Surgery*  
A.B. (Tufts); M.D. (Harvard) 1265 Beacon Street, Brookline
- LAWRENCE G. ALEXANDER, *Associate Professor of Orthodontics*  
A.B. (Harvard); D.M.D. (Tufts) 1 Broad Street, Lynn
- FRANK N. ALLAN, *Associate Clinical Professor of Medicine*  
M.B., B.Sc., M.D. (Toronto) 605 Commonwealth Avenue

\*Deceased July 27, 1963.

- STEPHEN J. ALPHAS, *Instructor in Medicine*  
B.A. (American International); M.D. (Boston University) 520 Commonwealth Avenue
- A. SCOTT ANDERSON, JR., *Assistant in Psychiatry*  
B.A. (Amherst); A.M. (Harvard); M.D. (Boston University) 818 Harrison Avenue
- EVANGELOS T. ANGELAKOS, *Associate Professor of Physiology*  
B.S. (Tripolis); A.M., Ph.D. (Boston University); M.D. (Harvard) 80 East Concord Street
- THOMAS J. ANGLEM, *Associate Clinical Professor of Surgery*  
B.S. (Dartmouth); M.D. (Harvard) 1180 Beacon Street, Brookline
- JOSEPH F. ARICO, *Instructor in Obstetrics and Gynecology*  
A.B. (Dartmouth); M.D. (Boston University) 44 Warren Street, Waltham
- STEWART ARMSTRONG, *Assistant Clinical Professor of Surgery*  
A.B. (Columbia); M.D. (New York University) 1180 Beacon Street, Brookline
- ISAAC ASIMOV, *Associate Professor of Biochemistry*  
B.S., A.M., Ph.D. (Columbia) 80 East Concord Street
- JOHN C. ATHANS, *Clinical Instructor in Surgery*  
A.B. (Harvard); M.D. (Tufts) 1180 Beacon Street, Brookline
- GEORGE AUSTEN, JR., *Professor of Urology*  
A.B. (Princeton); M.D. (Harvard) 818 Harrison Avenue
- EDGAR E. BAKER, *Professor of Microbiology*  
A.B., M.A., Ph.D. (California—Los Angeles) 80 East Concord Street
- HENRY J. BAKST, *Professor of Preventive Medicine*  
Ph.B. (Brown); M.D. (Harvard) 750 Harrison Avenue
- EUGENE J. BALCANOFF, *Instructor in Psychiatry*  
A.B. (Clark); M.D. (Tufts) 24 Coulton Park, Needham
- G. ROBERT BALER, *Clinical Instructor in Dermatology*  
S.B., M.D. (Boston University) 231 Main Street, Brockton
- BERNARD BANDLER, *Professor of Psychiatry*  
B.S., A.M. (Harvard); M.D. (Columbia) 750 Harrison Avenue
- DAVID J. BARABAN, *Associate Professor of Restorative Dentistry*  
D.M.D. (Harvard) 1162 Beacon Street, Brookline
- THEODORE X. BARBER, *Research Associate in Psychology*  
B.A., Ph.D. (American) Medfield State Hospital, Harding
- WILLIAM C. BARRETT, JR., *Associate Professor of Anatomy*  
B.S., M.S. (Virginia); Ph.D. (Harvard) 80 East Concord Street
- JOSEPH B. BARRON, *Assistant Professor of Surgical Prosthesis*  
D.M.D. (Harvard) 314 Commonwealth Avenue
- ELMER C. BARTELS, *Assistant Clinical Professor of Medicine*  
B.S., M.D. (Illinois); M.S. (Minnesota) 605 Commonwealth Avenue
- FRANK D. BARTLETT, JR., *Instructor in Physiology*  
B.S. (Massachusetts); M.S., Ph.D. (Illinois) 80 East Concord Street
- WALTER E. BARTON, *Associate Professor of Psychiatry*  
B.S., M.D. (Illinois) 591 Morton Street, Dorchester
- DEBORAH H. BARUS, *Instructor in Medical Social Work*  
A.B. (Vassar); S.B., S.M. (Simmons) 750 Harrison Avenue
- BRONIUS BASKYS, *Assistant in Biochemistry*  
A.M., Ph.D. (Boston University) 80 East Concord Street
- DAVID E. BASS, *Associate Research Professor of Physiology*  
A.B. (Brown); A.M., Ph.D. (Boston University) HQ QM R&E Command, U.S. Army, Natick

THEODORE B. BAYLES, <i>Lecturer on Medicine</i> B.S. (Rutgers); M.D. (Harvard)	1180 Beacon Street, Brookline
ALVIN BECKER, <i>Instructor in Psychiatry</i> A.B. (Harvard); M.D. (Tufts)	591 Morton Street, Dorchester
MORTON BEDRICK, <i>Instructor in Ophthalmology</i> A.B. (Brown); M.D. (Harvard)	302 State Street, New London, Conn'
GLENN E. BEHRINGER, <i>Clinical Instructor in Surgery</i> A.B. (Dartmouth); M.D. (Harvard)	266 Beacon Street
HELEN BEIER, <i>Assistant Professor of Clinical Psychology</i> Ph.D. (Munich)	818 Harrison Avenue
BENJAMIN BELL, <i>Lecturer on Ophthalmology; Assistant Clinical Professor of Otolaryngology</i> A.B. (Harvard); M.D. (Jefferson)	17 Court Street
RALPH H. BENDER, <i>Assistant in Orthopedic and Fracture Surgery</i> A.B. (Harvard); M.D. (Tufts)	1180 Beacon Street, Brookline
LAWRENCE I. BENNETT, <i>Assistant in Pediatrics</i> B.S. (Boston College); M.D. (Tufts)	250 Franklin Street, Framingham
MAGDALENA BERENYI, <i>Assistant in Medicine</i> M.D. (Boston University)	818 Harrison Avenue
ROBERT L. BERGER, <i>Associate in Surgery</i> A.B. (Harvard); M.D. (Boston University)	818 Harrison Avenue
MORTON S. BERK, <i>Associate in Medicine</i> A.B. (Lehigh); M.D. (Boston University)	30 Fenway
BERNARD A. BERMAN, <i>Assistant in Pediatrics</i> M.D. (Tufts)	1714 Beacon Street, Brookline
HERBERT F. BERNSTEIN, <i>Associate in Oral Surgery</i> B.A., D.D.S. (New York University)	47 West Elm Street, Brockton
MURRAY BERNSTEIN, <i>Assistant Professor of Orthodontics</i> B.S., D.M.D., M.S. (Tufts)	1247 Beacon Street, Brookline
DAVID V. BERRY, <i>Instructor in Periodontology</i> A.B., D.M.D. (Harvard)	1163 Beacon Street, Brookline
FRANK R. BERSON, <i>Instructor in Restorative Dentistry</i> A.B. (Indiana); D.D.S. (Pennsylvania)	1099 Commonwealth Avenue, Newton
H. ARTHUR BERSON, <i>Assistant Professor of Pediatrics</i> S.B., M.D. (Boston University)	40 County Road, Chelsea
JEROME L. BLAFER, <i>Assistant in Orthodontics</i> A.B. (New York University); D.D.S. (Pennsylvania)	553 Brookline Avenue, Brookline
LAMSON BLANEY, <i>Instructor in Occupational Medicine</i> S.B. (Harvard); M.D. (Cornell)	100 First Avenue, Waltham
DAVID BLAU, <i>Associate in Psychiatry</i> A.B. (New York University); M.D. (Boston University)	191 Summer Street, Newton Centre
HOWARD A. BLAZAR, <i>Instructor in Ophthalmology</i> A.B. (Brown); M.D. (Columbia)	1101 Beacon Street, Brookline
DONNELL W. BOARDMAN, <i>Instructor in Medicine</i> B.S. (Yale); M.D. (Columbia)	Main Street, Acton
WALTER S. BOGAD, <i>Assistant in Orthodontics</i> B.A. (New York University); D.D.S. (Pennsylvania)	553 Brookline Avenue, Brookline
SAMUEL BOGOCH, <i>Assistant Research Professor of Psychiatry</i> M.D. (Toronto); Ph.D. (Harvard)	36 Fenway

- RUSSELL S. BOLES, JR., *Clinical Instructor in Medicine*  
M.D. (Columbia) 412 Beacon Street
- WILLIAM M. BOLMAN, *Assistant in Psychiatry*  
A.B., M.D. (Harvard) 750 Harrison Avenue
- CHARLES D. BONNER, *Assistant Clinical Professor of Medicine*  
A.B. (Lincoln); M.D. (Boston University) 127A Bay State Road
- PHILIP D. BONNET, *Clinical Professor of Hospital Administration*  
A.B. (Wesleyan); M.D. (Harvard) 750 Harrison Avenue
- GEORGE T. BOTTOMLEY, *Assistant Clinical Professor of Surgery*  
A.B. (Harvard); M.D. (Tufts) 422 Beacon Street
- HOWARD A. BOUVE, *Associate in Surgery*  
M.D. (Harvard) 520 Commonwealth Avenue
- DONALD E. BOWEN, *Instructor in Neurology*  
B.S., M.D. (Tufts) 80 East Concord Street
- HARRY E. BOWEN, *Instructor in Anesthesiology*  
B.S., M.S. (Connecticut); Ph.D. (Yale); M.D. (Boston University) 750 Harrison Avenue
- JOHN T. BOWERS, JR., *Instructor in Pediatrics*  
A.B. (Harvard); M.D. (Boston University) 987 South Street, Roslindale
- PHILLIPS L. BOYD, *Clinical Instructor in Surgery*  
A.B., M.D. (Harvard) 1146 Beacon Street, Brookline
- THOMAS F. BOYD, *Assistant Professor of Surgery*  
A.B. (Brown); M.D. (Boston University) 818 Harrison Avenue
- WILLIAM C. BOYD, *Professor of Immunochemistry*  
A.B., A.M. (Harvard); Ph.D. (Boston University) 80 East Concord Street
- NORMAN H. BOYER, *Assistant Professor of Medicine*  
M.D. (Tufts) 29 Bay State Road
- MARTIN L. BRADFORD, *Clinical Instructor in Surgery*  
A.B. (Syracuse); M.D. (Boston University) 661 Washington Street, Norwood
- RICHARD A. BRAGDON, *Instructor in Orthopedic and Fracture Surgery*  
B.S. (Maine); M.D. (Johns Hopkins) 358 Chestnut Street, Needham
- ERNEST A. BRAGG, JR., *Instructor in Radiology*  
S.B., A.M., M.D. (Boston University) 211 Park Street, Attleboro
- ROBERT B. BRENDZE, *Assistant in Orthopedic and Fracture Surgery*  
M.D. (Texas Southwestern) 203 Commonwealth Avenue
- LEON R. BRIGGS, *Instructor in Psychiatry*  
B.S., D.M.D., M.D. (Harvard) 818 Harrison Avenue
- ARTHUR J. BRODER, *Instructor in Restorative Dentistry*  
D.M.D. (Tufts) 1018 Beacon Street, Brookline
- SIDNEY BRODIE, *Clinical Instructor in Pediatrics*  
A.B. (Harvard); M.D. (George Washington) 1720 Beacon Street, Brookline
- DAVID L. BROOK, *Clinical Instructor in Surgery*  
B.S., M.D. (Yale) V.A. Hospital, Providence, R. I.
- ANNELLA BROWN, *Clinical Instructor in Surgery*  
B.S. (Georgia, College for Women); M.D. (Women's Medical) New England Hospital
- BRUCE R. BROWN, *Assistant in Medicine*  
A.B. (Howard); M.D. (Tufts) 731 Grove Street, Framingham
- IRVING D. BUCHIN, *Visiting Associate Professor of Orthodontics*  
D.D.S. (New York University) 7020 108th Street, Forest Hills, N. Y.

- SUE BUCKINGHAM, *Assistant Research Professor of Pediatrics*  
B.A. (Chicago); M.D. (Harvard) 818 Harrison Avenue
- MAX J. BULIAN, *Associate in Obstetrics and Gynecology*  
B.S., M.D. (Tufts) 475 Commonwealth Avenue
- SAMUEL B. BURGESS, *Associate in Pathology*  
A.B., Sc.M. (Brown); M.D. (Boston University) 52 Walnut Street, Needham
- PADRAIC BURNS, *Assistant in Psychiatry*  
A.B. (Chicago); M.D. (Yale) 818 Harrison Avenue
- BELTON A. BURROWS, *Associate Professor of Medicine*  
A.B. (Yale); M.D. (Columbia) 750 Harrison Avenue
- MITCHELL W. BUSH, *Clinical Instructor in Surgery*  
M.D. (State University of New York Downstate) V.A. Hospital, Providence, R. I.
- RICHARD D. BUSH, *Assistant Professor of Surgery*  
B.A. (Amherst); M.D. (Johns Hopkins) 203 Commonwealth Avenue
- ADOLPH BUSHELL, *Instructor in Endodontics*  
D.D.S. (Temple) 242 Trumbull Street, Hartford, Conn.
- JOHN J. BYRNE, *Professor of Surgery*  
A.B. (Princeton); M.D. (Harvard) 818 Harrison Avenue
- JOHN B. CADIGAN, *Lecturer on Medicine*  
A.B., M.D. (Harvard) 327 Washington Street, Westwood
- JOHN M. CAHILL, *Assistant Professor of Surgery*  
A.B. (Holy Cross); M.D. (Tufts) 818 Harrison Avenue
- A. NATHAN CAPLAN, *Instructor in Pediatrics*  
M.D. (Tufts) 186 Princeton Street, East Boston
- ANTHONY G. CAPOBIANCO, *Assistant in Surgery*  
B.S. (Tufts); M.D. (Georgetown) 48 Union Street, Natick
- ROBERT J. CAREY, *Assistant in Medicine*  
A.B. (Harvard); M.D. (Boston University) 94 Pleasant Street, Arlington
- HERMAN E. CARR, JR., *Assistant Research Professor of Psychiatry*  
M.D. (Boston University) 15 Stoughton Street
- GEORGE H. CARTER, *Associate Professor of Psychiatry*  
B.A. (Williams); M.D. (Harvard) 750 Harrison Avenue
- CHARLES J. CATALDO, *Assistant in Medicine*  
M.D. (Boston University) 48 Byron Street, East Boston
- SANTO S. CATAUDELLA, *Instructor in Oral Surgery*  
B.S. (Holy Cross); M.S. (Boston College); D.M.D. (Tufts) 125 Amesbury Street, Lawrence
- EDGAR S. CATHCART, *Instructor in Medicine*  
M.B., B.Ch., B.A.O. (Queens University, Belfast) 65 East Newton Street
- FRANK CESARE, *Instructor in Surgery*  
B.S. (Siena); M.D. (Albany) 227 Needham Street, Dedham
- MAURICE E. CHAGNON, *Instructor in Ophthalmology*  
B.S. (New Hampshire); M.D. (Tufts) Zero Kinsey Street, Nashua, N. H.
- BERNARD CHAIKIN, *Professor of Periodontology*  
D.M.D. (Tufts) 29 Commonwealth Avenue
- GEORGE CHALPIN, *Assistant in Child Psychiatry*  
A.B. (Harvard); M.D. (Boston University) 130 Longwood Avenue, Brookline
- JOHN W. CHAMBERLAIN, *Assistant Clinical Professor of Surgery*  
S.B. (M.I.T.); M.D. (Harvard) 1180 Beacon Street, Brookline
- HAROLD L. CHANDLER, *Assistant Professor of Medicine*  
B.S. (Bowdoin); M.D. (Jefferson) 416 Marlborough Street

- PHILIP E. CHARTIER, *Instructor in Periodontology*  
A.B. (Providence); M.Ed. (Boston College); D.D.S. (Loyola)  
22 Rodney French Boulevard, New Bedford
- WILLIAM H. CHASEN, *Clinical Instructor in Medicine*  
M.D. (Lausanne) 17 Court Street
- ARAM VAN CHOBANIAN, *Associate in Medicine*  
A.B. (Brown); M.D. (Harvard) 65 East Newton Street
- PHILIP L. CHRISTAINSEN, *Associate in Psychiatry*  
B.A., M.D. (Wisconsin) 150 South Huntington Avenue
- KENNETH CHRISTOPHE, *Clinical Professor of Orthopedic and Fracture Surgery*  
B.S. (Dartmouth); M.D. (Boston University) 1101 Beacon Street, Brookline
- MARIAN K. CHUAN, *Instructor in Social Work*  
B.S. (Winthrop); M.S.S.W. (Columbia) 818 Harrison Avenue
- RICHARD CHUTE, *Clinical Professor of Urology*  
A.B., M.D. (Harvard) 150 South Huntington Avenue
- GEORGE CLARK, *Associate Research Professor of Anatomy*  
B.S. (University of Washington); M.S., Ph.D. (Northwestern)  
U.S.A. Research Institute of Environmental Medicine, Natick
- JOSEPH COCHIN, *Associate Professor of Pharmacology*  
B.S. (Wayne); M.D., Ph.D. (Michigan) 80 East Concord Street
- JAY D. COFFMAN, *Associate in Medicine*  
A.B. (Harvard); M.D. (Boston University) 65 East Newton Street
- ALAN S. COHEN, *Associate Professor of Medicine*  
A.B. (Harvard); M.D. (Boston University) 15 Stoughton Street
- BENJAMIN COHEN, *Associate in Psychiatry*  
M.D. (Tufts) 47 Bay State Road
- SAMUEL C. COHEN, *Associate in Medicine*  
A.B., M.D. (Boston University) 416 Marlborough Street
- WILFRED E. COHEN, *Assistant Professor of Orthodontics*  
A.B. (American International); D.D.S. (Northwestern) 142 Main Street, Brockton
- CHARLES G. COLBURN, *Lecturer on Microbiology; Instructor in Medicine*  
A.B. (Bowdoin); M.D. (Boston University) V.A. Hospital, Bedford
- BENTLEY P. COLCOCK, *Assistant Clinical Professor of Surgery*  
B.S. (University of Washington); M.D. (Pennsylvania) 605 Commonwealth Avenue
- WILLIAM P. COLPOYS, *Assistant in Medicine*  
A.B. (Boston College); M.D. (Boston University) 893 South Street, West Roxbury
- JOHN F. CONLIN, *Lecturer on Preventive Medicine*  
B.A. (Boston College); M.D. (Tufts); M.P.H. (Harvard) 818 Harrison Avenue
- JOHN D. CONSTABLE, *Instructor in Surgery*  
A.B., M.D. (Harvard) Massachusetts General Hospital
- EDWARD A. COONEY, *Assistant Clinical Professor of Surgery*  
Ph.B. (Brown); M.D. (Harvard) 264 Beacon Street
- HERBERT L. COOPER, *Assistant in Medicine*  
A.B., M.D. (Columbia) 750 Harrison Avenue
- SIDNEY R. COOPERBAND, *Instructor in Medicine*  
A.B. (Harvard); M.D. (Pennsylvania) 15 Stoughton Street
- JOSEPH W. COPEL, *Instructor in Orthopedic and Fracture Surgery*  
A.B. (Harvard); M.D. (Tufts) 483 Beacon Street

- CONSTANCE C. CORNOG, *Assistant Professor of Preventive Medicine; Associate in Medicine*  
 A.B. (Earlham); B.S. (Butler); M.D. (Women's Medical) 82 East Concord Street
- MANUEL J. CORREIA-BRANCO, *Assistant in Urology*  
 B.S. (Coimbra Polytechnical); M.D. (Lisbon) 389 Broadway, Cambridge
- MAURICE E. COSTIN, *Assistant in Surgery*  
 A.B. (Dartmouth); M.D. (Harvard); M.Sc. Surg. (Minnesota) 98 Lincoln Street, Framingham
- WALTER C. COTTER, *Clinical Instructor in Neurosurgery*  
 A.B. (Brown); M.D. (Tufts) 274 Benefit Street, Providence, R. I.
- LESTER L. COVELL, *Assistant Professor of Ophthalmology*  
 B.S., M.D. (Tufts) 358 Commonwealth Avenue
- SETH C. CROCKER, *Assistant in Medicine*  
 B.S., M.D. (Harvard) 184 School Street, Milton
- WILLIAM F. CROSKERY, *Clinical Instructor in Surgery*  
 A.B. (Harvard); M.D. (Boston University) 1101 Beacon Street, Brookline
- FREDERICK H. CUMMER, JR., *Assistant Professor of Psychiatry*  
 M.D. (Harvard) 82 East Concord Street
- WILLIAM J. CURRAN, *Edward R. Uiley Professor of Legal Medicine*  
 B.S., LL.B. (Boston College); LL.M., S.M.Hyg. (Harvard) 141 Bay State Road
- CHARLES N. CURTIS, *Instructor in Pathology*  
 A.B. (Bowdoin); M.D. (Tufts) Salem Hospital, Salem
- GEORGE W. CURTIS, *Instructor in Pathology*  
 B.S. (California—Berkeley); M.D. (Boston University) 170 Morton Street, Jamaica Plain
- DONAT P. CYR, *Clinical Instructor in Medicine*  
 A.B. (Assumption); M.D. (Georgetown) 605 Commonwealth Avenue
- ROBERT V. DANDROW, *Instructor in Obstetrics and Gynecology*  
 B.S., M.D. (Tufts) 520 Commonwealth Avenue
- DONALD B. DARLING, *Assistant Professor of Radiology*  
 M.D. (Georgetown) 25 Bennet Street
- ERNEST P. DAVIDOW, *Assistant in Obstetrics and Gynecology*  
 B.S. (Purdue); M.D. (Tufts) 475 Commonwealth Avenue
- MAX DAY, *Lecturer on Psychiatry*  
 M.D. (Toronto) 1419 Beacon Street, Brookline
- EARL H. DEARBORN, *Lecturer on Pharmacology*  
 A.B., M.A. (Kansas); Ph.D. (Chicago); M.D. (Johns Hopkins)  
 Lederle Laboratories, Pearl River, N.Y.
- ALBERT I. C. DEFRIEZ, *Lecturer on Medicine*  
 A.B. (Princeton); M.D. (Columbia) 264 Beacon Street
- ALAN K. DERKAZARIAN, *Assistant in Periodontology*  
 D.M.D. (Tufts) 118 Main Street, Watertown
- MATTHEW A. DEROW, *Assistant Professor of Microbiology*  
 B.S. (City of New York); A.M. (Columbia); M.D., Ph.D. (Boston University)  
 80 East Concord Street
- RAJENDRA G. DESAI, *Assistant Professor of Medicine*  
 Jr. B.Sc., M.B.B.S. (Bombay); Ph.D. (Boston University) 65 East Newton Street
- GERARD DESFORGES, *Clinical Instructor in Surgery*  
 B.S. (American International); M.D. (Tufts) 452 Pleasant Street, Malden
- FELIX DEUTSCH, *Honorary Professor of Psychiatry*  
 M.D. (Vienna) 44 Larchwood Drive, Cambridge

HELENE DEUTSCH, <i>Honorary Professor of Psychiatry</i> M.D. (Vienna)	44 Larchwood Drive, Cambridge
DONALD T. DEVINE, <i>Assistant in Psychiatry</i> B.S. (Bowdoin); M.D. (Boston University)	350 Beacon Street
JOHN DiGIORGIO, <i>Research Associate in Medicine</i> S.B. (Northeastern); M.A., Ph.D. (Buffalo)	15 Stoughton Street
SEYMOUR A. DiMARE, <i>Assistant in Surgery</i> A.B., M.D. (Boston University)	Concord Medical Center, Concord
GRANT M. DIXEY, <i>Assistant Clinical Professor of Urology</i> M.D. (Boston University)	29 Bay State Road
JAMES A. DOLPHIN, <i>Clinical Instructor in Orthopedic and Fracture Surgery</i> B.S., M.D. (Tufts)	457 Main Street, South Weymouth
ROBERT M. DONALDSON, <i>Assistant Professor of Medicine</i> B.S. (Yale); M.D. (Boston University)	150 South Huntington Avenue
EDWARD G. DREYFUS, <i>Associate Professor of Preventive Medicine; Assistant Professor of Medicine</i> A.B., M.D., M.P.H. (Harvard)	80 East Concord Street
FRANCIS W. DRINAN, <i>Assistant in Medicine</i> A.B. (Boston College); M.D. (Tufts)	1180 Beacon Street, Brookline
ROBERT A. DRISCOLL, <i>Instructor in Pediatrics</i> A.B. (Holy Cross); M.D. (Tufts)	408 Granite Avenue, Milton
LEO E. DUPREY, <i>Instructor in Orthodontics</i> D.M.D. (Tufts)	132 Gerry Road, Chestnut Hill
THOMAS S. DURANT, <i>Associate in Obstetrics and Gynecology</i> B.S. (Boston College); M.D. (Georgetown)	533 Washington Street, Dorchester
RICHARD W. DWIGHT, <i>Associate Clinical Professor of Surgery</i> A.B., M.D. (Harvard)	150 South Huntington Avenue
JACOB DYCKMAN, <i>Instructor in Pathology</i> A.B., M.S., M.D. (New York University)	Miriam Hospital, Providence, R. I.
JAMES W. DYKENS, <i>Associate in Psychiatry</i> B.S., M.D. (Vermont)	15 Ashburton Place
ROBERT EFRON, <i>Instructor in Neurology</i> B.A. (Columbia); M.D. (Harvard)	150 South Huntington Avenue
ROBERT W. EGAN, <i>Clinical Instructor in Neurology</i> A.B. (Boston College); M.D. (Boston University)	1180 Beacon Street, Brookline
WILLIAM H. EGER, <i>Assistant Professor of Child Psychiatry</i> B.S. (Union); M.D. (Boston University)	818 Harrison Avenue
RUTH EHRENBERG, <i>Associate in Psychiatry</i> M.D. (Berlin)	15 Ashburton Place
OTTO F. EHRENTHEIL, <i>Instructor in Psychiatry</i> M.D. (Vienna)	150 South Huntington Avenue
HAROLD L. EHRlich, <i>Lecturer on Restorative Dentistry</i> D.M.D. (Harvard)	1051 Beacon Street, Brookline
ANDREW D. ELIA, <i>Associate Clinical Professor of Obstetrics, and Gynecology</i> S.B., M.D. (Boston University)	1180 Beacon Street, Brookline
BAROUKH M. EL KODSI, <i>Instructor in Medicine</i> M.B., Ch.B. (Cairo)	818 Harrison Avenue
CHARLES P. EMERSON, <i>Associate Professor of Medicine</i> A.B. (Princeton); M.D. (Harvard)	750 Harrison Avenue

- ROBERT J. FALLON, *Instructor in Obstetrics and Gynecology*  
B.S. (Notre Dame); M.D. (Harvard) 98 Adams Street, Milton
- JOSEPH A. FAMIGLIETTI, *Clinical Instructor in Orthopedic and Fracture Surgery*  
B.S. (Providence); M.D. (Tufts) 1180 Beacon Street, Brookline
- HERBERT FANGER, *Associate Professor of Pathology*  
A.B. (Harvard); M.D. (New York Medical) Rhode Island Hospital, Providence, R. I.
- MELVIN H. FARMELANT, *Instructor in Medicine*  
A.B. (Harvard); M.D. (Tufts) 65 East Newton Street
- DOUGLAS A. FARMER, *Associate Professor of Surgery*  
A.B. (Michigan); M.D. (Harvard) 203 Commonwealth Avenue
- MALCOLM J. FARRELL, *Instructor in Psychiatry*  
B.S., M.D. (Tufts) Box C, Waverley
- ROBERT W. FASCIANO, *Assistant in Periodontology*  
B.S. (Tufts); D.M.D. (Harvard) 45 Bay State Road
- HENRY H. FAXON, *Lecturer on Surgery*  
A.B., M.D. (Harvard) 150 South Huntington Avenue
- ROBERT G. FELDMAN, *Instructor in Neurology*  
A.B., M.D. (Cincinnati) 264 Beacon Street
- BRUCE C. FERGUSON, *Assistant Professor of Medicine*  
S.B., M.D. (Boston University) 170 Morton Street, Jamaica Plain
- ARNOLD D. FIASCONE, *Assistant in Pediatrics*  
B.S. (Boston College); M.D. (Georgetown) One Salem Street, Wakefield
- MELWYN B. FINE, *Assistant in Medicine*  
B.S. (Massachusetts); M.D. (Tufts) 85 Park Street, Stoughton
- NATHAN L. FINEBERG, *Clinical Professor of Otolaryngology*  
S.B. (Harvard); M.D. (Boston University) 58 Grafton Street, Newton Centre
- ABRAHAM D. FINEMAN, *Assistant Research Professor of Psychiatry*  
S.B., M.S. (M.I.T.); M.D. (Boston University) 1247 Beacon Street, Brookline
- JO ANN FINEMAN, *Assistant Clinical Professor of Child Psychiatry*  
A.B., M.D. (Indiana) 702 Chestnut Street, Waban
- NATHAN H. FINK, *Assistant Professor of Restorative Dentistry*  
D.M.D. (Tufts) 80 Boylston Street
- JAMES A. FIORE, *Instructor in Restorative Dentistry*  
B.S. (Boston College); D.M.D. (Tufts) 4354 Washington Street, Roslindale
- JAMES E. FITZGERALD, JR., *Assistant in Pathology*  
A.B. (Harvard); M.D. (Boston University) Salem Hospital, Salem
- NICHOLAS J. FIUMARA, *Associate Clinical Professor of Dermatology*  
A.B. (Boston College); M.D. (Boston University); M.P.H. (Harvard) 15 Ashburton Place
- ROBERT G. FLETCHER, *Assistant in Pathology*  
M.D. (Harvard) 818 Harrison Avenue
- DAVID W. FOLAN, JR., *Clinical Instructor in Dermatology*  
A.B. (Boston College); M.D. (Tufts) 520 Commonwealth Avenue
- THOMAS W. FOLEY, *Instructor in Restorative Dentistry*  
D.M.D. (Tufts) 176 Bay State Road, So. Hamilton
- BRENDA G. FONER, *Research Instructor in Biochemistry*  
A.B. (Radcliffe); M.D. (Boston University) 80 East Concord Street
- RICHARD FORD, *Lecturer on Legal Medicine*  
A.B., M.D. (Harvard) 784 Massachusetts Avenue

- FRANK P. FOSTER, *Assistant Clinical Professor of Medicine*  
A.B. (Dartmouth); M.S. (Minnesota); M.D.C.M. (McGill) 605 Commonwealth Avenue
- JOHN M. FOSTER, *Assistant Professor of Biochemistry*  
B.A. (Swarthmore); A.M., Ph.D. (Harvard) 80 East Concord Street
- JOSEPH FRANKLIN, *Clinical Instructor in Medicine*  
A.B. (Harvard); M.P.H. (M.I.T.); M.D. (Boston University) 510 Commonwealth Avenue
- ROBERT FRANKLIN, *Assistant in Pediatrics*  
B.S. (University of California, Los Angeles); M.D. (Boston University)  
1219 High Street, Westwood
- CARL FRANZBLAU, *Assistant Professor of Biochemistry*  
B.S. (Michigan); Ph.D. (Einstein) 80 East Concord Street
- MURRAY M. FREED, *Assistant Professor of Rehabilitation Medicine*  
A.B. (Harvard); M.D. (Boston University) 80 East Concord Street
- HARRY FREEMAN, *Associate Research Professor of Psychiatry*  
A.B., M.D. (Harvard) Medfield State Hospital, Harding
- KATHARINE M. FREEMAN, *Associate in Psychiatric Social Work*  
B.S., M.S. (Simmons) 818 Harrison Avenue
- WILLIAM FREEMAN, *Assistant Professor of Pathology*  
B.Ch.E. (Northeastern); M.D. (Boston University) Truesdale Hospital, Fall River
- REINHARD FRICKE, *Research Associate in Biochemistry*  
B.A., M.D. (Göttingen) 80 East Concord Street
- SIDNEY FRIEDMAN, *Clinical Instructor in Medicine*  
B.S. (Louisville); M.D. (Middlesex) 1810 Beacon Street, Brookline
- TOBIAS T. FRIEDMAN, *Research Instructor in Psychiatry*  
M.D. (Boston University) 591 Morton Street, Dorchester
- JOB E. FUCHS, *Associate in Medicine*  
A.B. (Dartmouth); M.D. (Boston University) 203 Commonwealth Avenue
- YASUO FUJISAKI, *Research Associate in Biochemistry*  
B.Sc., Ph.D. (Hiroshima) 80 East Concord Street
- MICHAEL G. FUSILLO, *Assistant in Neurology*  
B.S. (Queens, New York); M.D. (Albany) 818 Harrison Avenue
- SABIT GABAY, *Assistant Research Professor of Biochemistry*  
B.A., B.S., Ph.G. (Istanbul); M.S. (Texas A & M); Ph.D. (Madrid) V.A. Hospital, Brockton
- EDWARD A. GAENSLER, *Associate Professor of Surgery*  
B.S. (Haverford); M.D. (Harvard) 15 Stoughton Street
- ARTHUR J. GARCEAU, *Instructor in Medicine*  
A.B. (Duke); M.D. (Harvard) 170 Morton Street, Jamaica Plain
- GEORGE E. GARDNER, *Lecturer on Psychiatry*  
A.B. (Dartmouth); Ed.M., Ph.D., M.D. (Harvard) 295 Longwood Avenue
- JOHN GARRY, *Assistant in Obstetrics and Gynecology*  
A.B. (Dartmouth); M.D. (Harvard) 1 Monument Square, Beverly
- EUGENE A. GASTON, *Assistant Clinical Professor of Surgery*  
M.D. (Harvard) 98 Lincoln Street, Framingham
- SYDNEY S. GELLIS, *Professor of Pediatrics*  
A.B., M.D. (Harvard) 818 Harrison Avenue
- NORMAN GESCHWIND, *Assistant Research Professor of Neurology*  
A.B., M.D. (Harvard) 150 South Huntington Avenue
- RUSSI K. GHEEWALLA, *Instructor in Orthodontics*  
B.Sc. (Poona University); L.D.Sc. (Nair Hospital) 77 Charles Street

- EDWIN S. GIBSON, *Assistant in Orthodontics*  
D.M.D. (Tufts) 9 Market Square, South Paris, Me.
- ROBERT F. GILFILLAN, *Research Associate in Neuropsychiatry*  
B.A., M.S., Ph.D. (Tennessee) 36 Fenway
- PHILIP F. M. GILLEY, *Assistant Professor of Orthodontics*  
A.B. (Bowdoin); D.D.S. (Northwestern) 48 Hartwell Street, Fitchburg
- IRVING GLICKMAN, *Lecturer on Dental Pathology*  
B.S. (Brooklyn); D.M.D. (Tufts) 483 Beacon Street
- BERNARD I. GOLDBERG, *Associate Professor of Medicine*  
B.S. (Tufts); M.D. (Harvard) 479 Beacon Street
- HENRY M. GOLDMAN, *Professor of Stomatology*  
D.M.D. (Harvard) 1163 Beacon Street, Brookline
- CARLOS J. GONZALEZ-AUVERT, *Associate in Physiology*  
M.D. (Universidad Central de Venezuela) 125 Parker Hill Avenue
- DAVID GOODMAN, *Assistant in Obstetrics and Gynecology*  
A.B., B.S. (South Dakota); M.D. (Pittsburgh) 69 Coddington Street, Quincy
- MAX GOODMAN, *Associate in Pathology*  
M.D. (Tennessee) 750 Harrison Avenue
- STANLEY K. GORDON, *Instructor in Urology*  
A.B. (Harvard); M.D. (Tufts) 636 Beacon Street
- IRA GORE, *Professor of Pathology*  
A.B., M.D. (Cornell) 750 Harrison Avenue
- JACOB GOTTLER, *Clinical Instructor in Medicine*  
B.S., M.D. (Boston University) 483 Beacon Street
- LEONARD S. GOTTLIEB, *Lecturer on Pathology*  
A.B. (Bowdoin); M.D. (Tufts) 818 Harrison Avenue
- JAMES H. GRAHM, *Associate Clinical Professor of Pathology*  
B.S., M.D. (Tufts) St. Elizabeth's Hospital, Brighton
- KENNETH M. GRAHAM, *Clinical Instructor in Medicine*  
A.B. (Allegheny); M.A. (Illinois); M.D. (Harvard) 203 Commonwealth Avenue
- GARY M. GRAY, *Assistant in Medicine*  
B.S. (Seattle); M.D. (University of Washington); 15 Stoughten Street
- JUSTIN E. GREEN, *Instructor in Restorative Dentistry*  
B.S. (Massachusetts); D.M.D. (Tufts) 251 Harvard Street, Brookline
- MILTON GREENBLATT, *Lecturer on Psychiatry*  
A.B., M.D. (Tufts) 591 Morton Street, Dorchester
- DONALD S. GREENE, *Assistant in Neurology*  
A.B. (Boston University); M.A. (Texas); M.D. (Tennessee) 150 South Huntington Avenue
- JORDAN B. GREENFIELD, *Assistant in Pediatrics*  
B.S. (Union); M.D. (Chicago) 214 North Main Street, Natick
- ARTHUR V. GREENSTEIN, *Clinical Professor of Orthodontics*  
D.D.S. (New York) 1 West 81st Street, New York, N.Y.
- WILLIAM E. R. GREER, *Associate Professor of Occupational Medicine*  
B.S. (New Hampshire); M.D. (Boston University) 203 Commonwealth Avenue
- ALBIN N. GRENDA, *Assistant Clinical Professor of Surgery*  
B.S., M.D. (Tufts) V.A. Hospital, Providence, R. I.
- BURTON C. GRODBERG, *Assistant Professor of Gynecology*  
S.B., M.D. (Boston University) 353 Commonwealth Avenue

- INTA A. GROTS, *Instructor in Dermatology*  
S.B. (Simmons); M.D. (Boston University) 750 Harrison Avenue
- FRANK J. GUALTIERI, *Clinical Instructor in Urology*  
A.B. (Harvard); M.D. (Boston University) 52 Guild Street, Norwood
- TRYGVE GUNDERSEN, *Professor of Ophthalmology*  
M.D. (Harvard) 520 Commonwealth Avenue
- JOSEPH M. HAGGERTY, *Instructor in Restorative Dentistry*  
D.M.D. (Tufts) 31 Sudbury Road, Concord
- JAMES A. E. HALKETT, *Assistant in Medicine*  
B.A. (Wooster); S.M. (M.I.T.) 150 South Huntington Avenue
- MEYER H. HALPERIN, *Associate Clinical Professor of Medicine*  
A.B. (Columbia); M.D. (Long Island) 107 Broad Street, Lynn
- LAURAN D. HARRIS, *Instructor in Medicine*  
M.D. (Texas) 65 East Newton Street
- MELVYN H. HARRIS, *Associate in Oral Surgery and Oral Pathology*  
A.B. (Harvard); D.M.D. (Tufts) 750 Harrison Avenue
- JAMES HARROP, *Assistant in Pathology*  
M.B., B.S. (London) Framingham Union Hospital, Framingham
- HAROLD W. HARROWER, *Associate Clinical Professor of Surgery*  
B.A. (Newark); M.D. (New York University) V.A. Hospital, Providence, R. I.
- EMIL M. HARTL, *Research Associate in Rehabilitation*  
A.B. (Hamline); S.T.B., Ph.D. (Boston University) 27 Wheeler Street
- HENRY S. HARVEY, *Assistant in Medicine*  
B.A. (Amherst); B.D. (Union Theological); M.D. (Harvard) Main Street, Acton
- LLOYD E. HAWES, *Assistant Professor of Radiology*  
A.B., M.D. (Harvard) Faulkner Hospital, Jamaica Plain
- ALBERT H. HEGNAUER, *Professor of Physiology*  
A.B., Ph.D. (Rochester) 80 East Concord Street
- ZOLMAN HELFAND, *Associate in Stomatology*  
B.S. (Tufts); D.M.D., M.D. (Harvard) 5 Bay State Road
- MELVIN J. HELLINGER, *Assistant in Oral Surgery*  
D.M.D. (Tufts) 1 Salem Street, Wakefield
- PHILIP D. HERRICK, *Clinical Instructor in Medicine*  
A.B., B.S. (Otterbein); M.D. (Western Reserve) 1 Monument Square, Beverly
- STANLEY E. HERRICK, *Assistant in Medicine*  
B.S. (Bowdoin); M.D. (Maryland) 12 Deering Steert, Portland, Me.
- ROBERT L. HERRMANN, *Assistant Professor of Biochemistry*  
B.S. (Purdue); Ph.D. (Michigan State) 80 East Concord Street
- GERALD J. HINE, *Assistant Professor of Medicine*  
B.S., M.D., Ph.D. (Federal Institute of Technology, Zurich) 150 South Huntington Avenue
- A. WILLIAM HIRE, *Professor of Clinical Psychology*  
B.A. (Guilford); M.A. (Hawaii); Ed.M., Ed.D. (Harvard) 122 Hancock Street, Cambridge
- HUDSON HOAGLUND, *Research Professor of Biology and Physiology in Psychiatry*  
A.B. (Columbia); S.M. (M.I.T.); Ph.D. (Harvard); Sc.D. (Hon.) (Colby)  
Worcester Foundation for Experimental Biology, Shrewsbury
- HERBERT HODNESS, *Instructor in Periodontology*  
D.M.D. (Tufts) 1159 Hancock Street, Quincy
- WILLIAM M. HOFFMAN, *Instructor in Restorative Dentistry*  
A.B., D.M.D. (Harvard) 524 River Street, Mattapan

- ALFRED HOLLANDER, *Associate Clinical Professor of Dermatology*  
M.D. (Bonn) 130 Maple Street, Springfield
- WILLIAM HOLLANDER, *Assistant Professor of Medicine*  
A.B. (New York University); M.D. (Long Island) 65 East Newton Street
- DAVID M. HOLMES, *Assistant in Psychiatry*  
A.B., M.D. (Harvard) 150 South Huntington Avenue
- DANIEL HOLZMAN, *Associate Professor of Medicine*  
A.B. (Harvard); M.D. (Boston University) 150 South Huntington Avenue
- HAROLD H. HOOKWAY, JR., *Assistant in Periodontology*  
D.M.D. (Tufts) 45 Bay State Road
- JUSTIN M. HOPE, *Lecturer on Neurology and Neuropathology*  
B.S., M.D. (Pennsylvania) 171 Harrison Avenue
- JOHN M. HORACK, JR., *Instructor in Restorative Dentistry*  
D.M.D. (Tufts) 10 High Street
- ROBERT S. HORMELL, *Assistant Professor of Orthopedic and Fracture Surgery*  
A.B., M.D. (Harvard) 1152 Beacon Street, Brookline
- ABRAHAM HORVITZ, *Clinical Instructor in Surgery*  
A.B. (Brown); M.D. (Columbia) 425 Angell Street, Providence, R. I.
- LANSING C. HOSKINS, *Research Instructor in Pathology*  
A.B. (Princeton); M.D. (Rochester) 818 Harrison Avenue
- CHESTER W. HOWE, *Associate Professor of Surgery*  
M.D. (Tufts) 750 Harrison Avenue
- DAVIS H. HOWES, *Associate Research Professor of Neuropsychology*  
B.A. (Yale); Ph.D. (Harvard) 65 Mt. Auburn Street, Cambridge
- WILLIAM M. HUBER, *Assistant Professor of Dermatology*  
A.B. (Haverford); M.D. (Pennsylvania) 512 Beacon Street
- WILLIAM E. HUCKABEE, *Assistant Professor of Medicine; Lecturer on Clinical Pharmacology*  
B.S. (Southern Methodist); M.D. (Texas) 65 East Newton Street
- BELLENDEN R. HUTCHESON, *Assistant Clinical Professor of Child Psychiatry*  
B.M., B.S., M.D. (Northwestern) 15 Ashburton Place
- ANDREW HUVOS, *Instructor in Medicine*  
M.D. (Boston University) 65 East Newton Street
- JOHN D. IFFT, *Associate Professor of Anatomy*  
A.B. (Whitman); M.A. (California); Ph.D. (Yale) 80 East Concord Street
- TOKUJI IKINAKA, *Research Associate in Biochemistry*  
B.S., Ph.D. (Osaka) 80 East Concord Street
- DAVID INGALL, *Instructor in Pediatrics*  
A.B., A.M., M.D. (Boston University) 214 North Main Street, Natick
- MANUEL INGALL, *Assistant in Pediatrics*  
B.S. (Boston College); A.M., M.D. (Boston University) 1180 Beacon Street, Newton Highlands
- FRANZ J. INGELFINGER, *Conrad Wesselhoeft Professor of Medicine*  
A.B. (Yale); M.D. (Harvard) 818 Harrison Avenue
- CHARLES ISENSTEIN, *Instructor in Ophthalmology*  
B.S., M.D. (Tufts) 51 Brattle Street, Cambridge
- ALBERT M. ISHIHARA, *Instructor in Surgery*  
B.A., M.D. (New York University) 170 Morton Street, Jamaica Plain
- KATSUTOSHI ISHIHARA, *Research Associate in Biochemistry*  
B.S. (Shimane); Dr.Sc. (Tokyo) 80 East Concord Street

- HARRIET D. JAMES, *Clinical Instructor in Dermatology*  
B.A., B.S., M.D. (Minnesota) 605 Commonwealth Avenue
- JOHN E. JAPP, *Assistant in Medicine*  
B.S., M.D. (Tufts) 143 Great Road, Bedford
- WALTER W. JETTER, *Lecturer on Toxicology*  
M.S. M.D., (Buffalo) Latrobe Hospital, Latrobe, Pa.
- DAVID S. JOHNSON, *Associate Research Professor of Ophthalmology*  
A.B. (Harvard); M.D. (Boston University) 203 Commonwealth Avenue
- LESLIE S. JOLLIFFE, *Associate Professor of Pathology*  
M.D., C.M. (Queen's, Canada) Lawrence General Hospital, Lawrence
- PAUL B. JOSSMANN, *Honorary Professor of Neurology*  
M.D., Ph.D. (Breslau) 17 Court Street
- GEORGE KAHN, *Instructor in Pediatrics*  
S.B. (M.I.T.); M.D., M.P.H. (Harvard) 6 Cummings Road, Brookline
- RICHARD J. KAHN, *Instructor in Psychiatry*  
B.A. (Dartmouth); M.D. (Harvard) 750 Harrison Avenue
- CHARLES A. KANE, *Professor of Neurology*  
A.B., M.D. (Harvard) 80 East Concord Street
- ONNI C. KANGAS, *Assistant in Ophthalmology*  
A.B., M.D. (Boston University) RFD #1 Box 314, Rockland, Me.
- EDWARD KARIAN, *Clinical Instructor in Dermatology*  
M.D. (Beirut) 358 Commonwealth Avenue
- HOWARD M. KASSLER, *Associate in Oral Pathology and Oral Surgery*  
D.M.D. (Tufts) 689 Fellsway, Medford
- KERMIT H. KATZ, *Clinical Professor of Medicine*  
S.B., M.D. (Boston University) 416 Marlborough Street
- PAUL KAUFMAN, *Associate in Psychiatry*  
M.D. (Boston University) 750 Harrison Avenue
- SEYMOUR A. KAUFMAN, *Associate Professor of Radiology*  
M.D. (Boston University) 750 Harrison Avenue
- JOHN W. KAUP, *Assistant Professor of Stomatology*  
D.M.D. (Tufts) 358 Commonwealth Avenue
- MELVIN M. KAYCE, *Assistant in Psychiatry*  
B.S. (Tufts); M.D. (Geneva) 1419 Beacon Street, Brookline
- ABRAHAM KAYE, *Instructor in Psychiatry*  
S.B., M.D. (Boston University) 118 Union Avenue, Framingham
- CAROL KAYE, *Instructor in Clinical Psychology*  
B.A. (Wisconsin); Ph.D. (Michigan) 82 East Concord Street
- HERBERT L. KAYNE, *Instructor in Physiology*  
B.S., M.S., Ph.D. (Illinois) 80 East Concord Street
- GEOFFREY P. KEANE, *Associate in Pathology*  
A.B., M.D. (Harvard) 81 Highland Avenue, Salem
- THOMAS J. KELLEY, *Assistant Professor of Orthodontics*  
B.S. (Massachusetts); D.D.S. (St. Louis); M.S. (Tufts) 170 Oak Street, Holyoke
- DONALD P. KENEFICK, *Assistant Clinical Professor of Psychiatry*  
A.B. (Boston College); M.D. (Boston University) Medfield State Hospital, Harding
- JOSEPH F. KENNEALLY, JR., *Instructor in Oral Surgery*  
B.S. (Stonehill); M.S. (Boston College); D.M.D. (Tufts) 689 Fellsway, Medford

- FRANCIS R. KENNEY, *Assistant Clinical Professor of Surgery*  
S.B. (Harvard); M.D. (Boston University) 319 Longwood Avenue
- JAMES F. KENNEY, *Assistant Professor of Obstetrics and Gynecology*  
A.B. (Maine); M.D. (Boston University) 60 Guild Street, Norwood
- CHARLES J. KENSLER, *Professor of Pharmacology*  
A.B., A.M. (Columbia); Ph.D. (Cornell) 30 Memorial Drive, Cambridge
- ANDREW A. KERHULAS, *Clinical Instructor in Surgery*  
B.S. (Wofford); M.D. (Duke) 575 Mt. Auburn Street, Cambridge
- ARTHUR B. KERN, *Assistant Clinical Professor of Dermatology*  
B.S. (Harvard); M.D. (Boston University) 247 Waterman Street, Providence, R. I.
- MITCHELL E. KFOURY, *Assistant in Ophthalmology*  
M.D. (Boston University) 353 Lafayette Street, Salem
- SIDNEY KIBRICK, *Associate Professor of Medicine and Microbiology*  
A.B. (Harvard); Ph.D. (M.I.T.); M.D. (Boston University) 750 Harrison Avenue
- RICHARD M. KILFOYLE, *Assistant Clinical Professor of Orthopedic and Fracture Surgery*  
A.B. (Holy Cross); M.D. (Tufts) 457 Main Street, South Weymouth
- DERA KINSEY, *Clinical Instructor in Medicine*  
M.D. (Baylor) 203 Commonwealth Avenue
- JEROME O. KLEIN, *Instructor in Pediatrics*  
A.B. (Union); M.D. (Yale) 818 Harrison Avenue
- ROBERT KLEIN, *Professor of Pediatrics*  
M.D. (Harvard) 818 Harrison Avenue
- WILLIAM S. KLUTZ, *Clinical Instructor in Urology*  
B.S. (St. Lawrence); M.D. (Rochester) 259 Wayland Avenue, Providence, R. I.
- PETER H. KNAPP, *Research Professor of Psychiatry*  
A.B., M.D. (Harvard) 80 East Concord Street
- JAMES B. KNIGHT, *Clinical Instructor in Surgery*  
A.B. (Princeton); M.D. (New York University) Concord Medical Center, Concord
- J. DAVID KOHN, *Associate in Periodontology*  
B.A. (Denver); D.D.S. (New York University) 1018 Beacon Street, Brookline
- DAVID E. KOPANS, *Associate in Obstetrics and Gynecology*  
A.B., M.D. (Harvard) 454 Brookline Avenue
- CONAN KORNETSKY, *Research Professor of Pharmacology and Psychiatry*  
B.A. (Maine); M.S., Ph.D. (Kentucky) 80 East Concord Street
- SAMUEL J. KOWAL, *Associate in Medicine*  
Phm.G. (Massachusetts College of Pharmacy); B.S., M.D. (Boston University)  
1720 Beacon Street, Brookline
- GERALD M. KRAMER, *Associate Professor of Periodontology*  
D.M.D. (Tufts) 9 Nahant Street, Lynn
- PHILIP KRAMER, *Assistant Professor of Medicine*  
M.D. (Chicago) 65 East Newton Street
- BERNARD KRASNER, *Clinical Instructor in Surgery*  
B.A. (Brown); M.D. (Tufts) 1018 Beacon Street, Brookline
- IRVING KRAUT, *Assistant Professor of Orthodontics*  
D.D.S. (Temple) 375 West State Street, Trenton, N. J.
- ALBERT KRINSKY, *Clinical Instructor in Psychiatry*  
B.S. (Trinity); M.D. (Tufts) 188 Institute Road, Worcester

- LEON E. KRUGER, *Assistant in Pediatrics*  
B.S. (Harvard); M.D. (Boston University) 50 Grafton Street, Newton Centre
- JOHN G. KUHN, *Lecturer on Orthopedic Surgery*  
A.B. (Franklin & Marshall); M.D. (Johns Hopkins); Sc.D. (Hon.) (Elizabethtown)  
416 Marlborough Street
- EUGENE G. LE FORET, *Clinical Instructor in Surgery*  
A.B. (Boston College); M.D. (Tufts) 1180 Beacon Street, Brookline
- FREDERICK L. LANDRIGAN, *Instructor in Ophthalmology*  
A.B. (Boston College); M.D. (Tufts) 520 Commonwealth Avenue
- CHESTER LANDY, *Assistant Professor of Restorative Dentistry*  
D.M.D. (Tufts) 358 Commonwealth Avenue
- GEORGE M. LANE, *Lecturer on Occupational Medicine*  
D.O. (Mass. College of Osteopathy); M.D. (College of Physicians & Surgeons, Massachusetts)  
360 Huntington Avenue
- ALFRED S. LANES, *Clinical Instructor in Dermatology*  
B.A. (Williams); M.D. (Tufts) 851 Beacon Street, Newton Centre
- VINCENT LANZONI, *Assistant Professor of Pharmacology; Instructor in Medicine*  
B.S., Ph.D. (Tufts); M.D. (Boston University) 80 East Concord Street
- ARTHUR M. LASSEK, *Walerhouse Professor of Anatomy*  
B.S. (University of Washington); M.S., Ph.D. (Northwestern); M.D. (Tennessee)  
80 East Concord Street
- KNOWLES B. LAWRENCE, *Assistant Clinical Professor of Surgery*  
B.S., M.D. (Yale) 1683 Beacon Street, Brookline
- HERMAN A. LAWSON, *Lecturer on Medicine*  
Ph.B. (Brown); M.D. (Harvard) 150 South Huntington Avenue
- SAMUEL E. LEARD, *Assistant Professor of Medicine*  
B.S. (Bates); M.D. (Boston University) 203 Commonwealth Avenue
- BERNARD LEDERMAN, *Assistant Clinical Professor of Obstetrics*  
B.S., M.D. (Harvard) 311 Commonwealth Avenue
- HAROLD LEE, *Instructor in Psychiatry*  
B.S. (Bowdoin); M.D. (Boston University) Medfield State Hospital, Harding
- MARJORIE J. LEMAY, *Assistant Clinical Professor of Radiology*  
A.B., M.D. (Kansas) 150 South Huntington Avenue
- MAYNARD LENDER, *Clinical Instructor in Dermatology*  
M.D. (Middlesex) 311 Commonwealth Avenue
- MARTIN B. LEVENE, *Assistant Clinical Professor of Radiology*  
S.B. (M.I.T.); M.D. (Boston University) 636 Beacon Street
- HAROLD J. LEVIN, *Instructor in Endodontics*  
A.B. (Boston University); D.M.D. (Tufts) 52 Broad Street, Lynn
- ORRIN LEVIN, *Lecturer on Medicine*  
B.S. (William and Mary); M.D. (Tufts) 75 Mt. Auburn Street, Cambridge
- IRVING M. LEVINE, *Instructor in Neurology*  
B.S., M.D. (Tufts) 17 Court Street
- RUTH R. LEVINE, *Associate Professor of Pharmacology*  
B.A. (Hunter); A.M. (Columbia); Ph.D. (Tufts) 80 East Concord Street
- NORMAN G. LEVINSKY, *Assistant Professor of Medicine*  
A.B., M.D. (Harvard) 15 Stoughton Street
- RUVEN LEVITAN, *Associate in Medicine*  
M.D. (Hebrew University) 750 Harrison Avenue

- ELIHU I. LEWIS, *Instructor in Medicine*  
B.S., M.D. (Boston University) 510 Commonwealth Avenue
- LEON R. LEZER, *Clinical Professor of Preventive Medicine*  
S.B., M.D. (Vermont); M.P.H. (Harvard) 818 Harrison Avenue
- DAVIDE LIMENTANI, *Lecturer on Psychiatry*  
M.D. (Rome) 1419 Beacon Street, Brookline
- THEODORE F. LINDBERG, *Associate Clinical Professor of Psychiatry*  
B.S., M.D. (Northwestern) Medfield State Hospital, Harding
- INGA E. LINDGREEN, *Associate in Medicine*  
M.D. (Karolinska Institute, Sweden) 15 Stoughton Street
- FABIAN J. LIONETTI, *Associate Professor of Biochemistry*  
A.B., M.S. (New York University); Ph.D. (Rensselaer Polytechnic) 80 East Concord Street
- JULIUS LITTER, *Assistant Clinical Professor of Medicine*  
A.B. (Harvard); M.D. (Boston University) 54 Lincoln Street, Framingham
- NINA LITTON, *Instructor in Pediatrics*  
M.D. (Naples) 636 Beacon Street
- ROBERT I. LITWIN, *Assistant Professor of Oral Surgery*  
B.A. (Dartmouth); D.M.D. (Tufts) 4354 Washington Street, Roslindale
- JOHN B. LLOYD, *Clinical Instructor in Surgery*  
A.B., M.D. (Harvard) 170 Morton Street, Jamaica Plain
- EARL R. LOEW, *Professor of Physiology*  
B.S. (Michigan); M.S. (Wayne); Ph.D. (Northwestern) 80 East Concord Street
- JOSEPH M. LOONEY, *Research Professor of Biochemistry*  
A.B., M.D. (Harvard) 75 Park Street, West Roxbury
- ALICE LOWELL, *Associate in Medicine*  
M.D. (Tufts) New England Hospital
- VICTOR O. LUCIA, *Associate Clinical Professor of Restorative Dentistry*  
D.D.S. (New York University) 630 Fifth Avenue, New York, N.Y.
- JOHN B. LYNCH, *Assistant in Pediatrics*  
M.D. (Tufts) 660 Columbia Road, Dorchester
- JOSEPH P. LYNCH, *Clinical Instructor in Surgery*  
A.B. (Boston College); M.D. (Harvard) 1180 Beacon Street, Brookline
- MELVIN K. LYONS, *Clinical Associate in Urology*  
B.S., M.D. (Boston University) 10 Holden Street, Malden
- JOHN M. MACKENZIE, *Assistant Clinical Professor of Psychiatry*  
B.A. (British Columbia); M.D., C.M. (Queen's, Canada) 591 Morton Street, Dorchester
- EDWIN J. MADDEN, *Clinical Instructor in Orthopedic and Fracture Surgery*  
B.S. (Holy Cross); M.D. (New York Medical) 132 Pleasant Street, Woburn
- FORREST N. MADDIX, *Assistant in Orthopedic and Fracture Surgery*  
B.S., M.D. (Boston University) 3 Seaward Road, Wellesley Hills
- IRVING M. MADOFF, *Assistant Clinical Professor of Surgery*  
A.B. (Harvard); M.D. (New York University) 1180 Beacon Street, Brookline
- MILTON MAGER, *Assistant Research Professor of Biochemistry*  
B.A. (New York University); M.S. (Rensselaer Polytechnic); Ph.D. (Boston University)  
HQ QM R&E Command, U.S. Army, Natick
- DONALD L. MAHLER, *Lecturer on Surgery*  
M.D. (Pennsylvania) 150 South Huntington Avenue

- DAVID T. MAHONY, *Assistant in Urology*  
A.B. (Harvard); M.D. (Tufts) 818 Harrison Avenue
- JULIO I. MAIZTEGUI, *Assistant in Medicine*  
B.Sc. (National Sarmiento); M.D. (Buenos Aires) 818 Harrison Avenue
- WILLIAM MALAMUD, *Honorary Professor of Psychiatry*  
M.D., C.M. (McGill) 10 Columbus Circle, New York, N.Y.
- WILLIAM I. MALAMUD, *Assistant Professor of Psychiatry*  
B.A. (Wesleyan); M.D. (Boston University) 80 East Concord Street
- G. KENNETH MALLORY, *Professor of Pathology*  
A.B., M.D. (Harvard) 818 Harrison Avenue
- CHARLES A. MALONE, *Assistant Professor of Psychiatry*  
A.B. (Oberlin); M.D. (Cornell) 80 East Concord Street
- MICHAEL J. MALONE, *Assistant in Neurology*  
A.B. (Boston College); M.D. (Georgetown) 150 South Huntington Avenue
- PETER R. MANES, *Assistant in Medicine*  
B.A. (Yale); M.D. (Vermont) 245 State Street
- JAMES MANN, *Professor of Psychiatry*  
A.B. (Illinois); M.D. (Washington University) 82 East Concord Street
- BARRY M. MANUEL, *Assistant in Surgery*  
A.B., M.D. (Boston University) 750 Harrison Avenue
- ALBERT H. MARCUS, *Assistant in Obstetrics and Gynecology*  
A.B., M.D. (Boston University) 87 Broadway, Hanover
- PHILIP S. MARCUS, *Associate Clinical Professor of Anesthesiology*  
M.D. (Tennessee) 818 Harrison Avenue
- HERBERT I. MARGOLIS, *Professor of Orthodontics*  
D.M.D. (Harvard) 311 Commonwealth Avenue
- ROBERT S. MARNOY, *Assistant in Obstetrics and Gynecology*  
A.B. (Harvard); M.D. (Boston University) 1093 Beacon Street, Brookline
- ALICE T. MARSTON, *Associate Professor of Microbiology*  
B.S. (Kansas); M.S., Ph.D. (Pennsylvania) 80 East Concord Street
- FRANCIS C. MASON, JR., *Instructor in Obstetrics and Gynecology*  
B.S. (Holy Cross); M.D. (Boston University) 60 Guild Street, Norwood
- PAUL MASSIK, *Instructor in Radiology*  
A.B. (Harvard); M.D. (Tufts) 67 Coddington Street, Quincy
- JACOB J. MATLOFF, *Associate in Medicine*  
B.S., M.D. (Boston University) 758 Commonwealth Avenue, Newton Centre
- ALEXANDER G. MATOLTSY, *Research Professor of Dermatology*  
M.D. (Budapest) 15 Stoughton Street
- MARGIT N. MATOLTSY, *Research Associate in Dermatology*  
M.S. (Franz Josph, Szeged, Hungary) 15 Stoughton Street
- JOHN F. McCONVILLE, *Clinical Instructor in Orthopedic and Fracture Surgery*  
A.B. (Boston College); M.D. (Tufts) 457 Main Street, South Weymouth
- GLENNA L. McDONOUGH, *Assistant in Pediatrics*  
A.B., M.D. (Boston University) 44 Faxon Avenue, Quincy
- WALTER J. McDONOUGH, *Assistant Clinical Professor of Dermatology*  
A.B. (Boston College); M.D. (St. Louis) 270 Commonwealth Avenue
- A. LOUIS McGARRY, *Assistant in Psychiatry*  
A.B. (Harvard); M.D. (Boston University) 58 Corey Road, Brookline

- JOHN S. McGOVERN, *Instructor in Pathology*  
A.B. (Holy Cross); M.D. (Tufts) Leonard Morse Hospital, Natick
- JOHN M. McIVER, *Assistant Professor of Ophthalmology*  
A.B. (Boston College); M.D. (Boston University) 351 Southern Artery, Quincy
- PATRICIA A. McLELLAN, *Assistant in Radiology*  
A.B., M.D. (Boston University) 750 Harrison Avenue
- JOHN F. McMANUS, *Associate in Medicine*  
A.B. (Boston College); M.D. (Boston University) 39 Bay State Road
- WILLIAM F. McNARY, JR., *Assistant Professor of Anatomy*  
B.S. (Tufts); Ph.D. (Boston University) 80 East Concord Street
- JAMES M. McNULTY, *Clinical Instructor in Surgery*  
A.B. (Harvard); M.D. (Boston University) 1180 Beacon Street, Brookline
- JOHN H. MEEKER, *Assistant in Pathology*  
A.B. (Drew); M.D. (George Washington) 2014 Washington Street, Newton Lower Falls
- CHARLES J. MEKELATOS, *Clinical Instructor in Surgery*  
A.B., M.D. (Boston University) 1 Chestnut Street, Salem
- JAMES C. MELBY, *Associate Professor of Medicine*  
B.S., M.D. (Minnesota) 65 East Newton Street
- SEYMOUR MELNICK, *Instructor in Endodontics*  
D.D.S. (Temple) 53 Bay State Road
- JOHN R. MERRICK, *Assistant in Ophthalmology*  
B.S. (Colby); M.D. (Tufts) 43 Court Street, Plymouth
- HERBERT MESCON, *Professor of Dermatology*  
B.S. (City College, New York); M.D. (Boston University) 203 Commonwealth Avenue
- PAUL B. METCALF, JR., *Clinical Instructor in Surgery*  
B.S. (Yale); M.D. (Harvard) 110 Armistice Blvd., Providence, R. I.
- AARON MILLER, *Assistant Professor of Medicine*  
B.S. (City College, New York); M.D. (Rochester) 150 South Huntington Avenue
- GEORGE F. MILLER, *Clinical Professor of Surgery*  
A.B. (Boston College); M.D. (Harvard) 1180 Beacon Street, Brookline
- HAROLD I. MILLER, *Assistant Clinical Professor of Surgery*  
A.B. (Harvard); M.D. (Boston University) 483 Beacon Street
- JOHN T. MILLER, *Assistant Research Professor of Biochemistry*  
B.A. (Reed); A.M., Ph.D. (Boston University) 80 East Concord Street
- HERBERT P. MINKEL, *Assistant in Medicine*  
B.S. (Holy Cross); M.D. (Tufts) 1101 Beacon Street, Brookline
- ALLAN F. MIRSKY, *Associate Research Professor of Neuropsychology*  
B.S. (City College, New York); M.S., Ph.D. (Yale) 750 Harrison Avenue
- IRWIN MIRSKY, *Instructor in Oral Surgery*  
A.B. (Syracuse); D.M.D. (Tufts) 5 Spinney Street, West Roxbury
- MARVIN L. MITCHELL, *Instructor in Medicine*  
B.S. (Toledo); M.D. (Ohio State) 170 Morton Street, Jamaica Plain
- ANN L. N. MOORE, *Instructor in Nursery School Education*  
B.S. (Tufts) 10 Crabtree Road, Squantum
- JOSEPHINE A. MORELLO, *Research Instructor in Microbiology*  
B.S. (Simmons); A.M., Ph.D. (Boston University) 80 East Concord Street
- DAVID M. MORIARTY, *Lecturer on Psychiatry*  
M.D. (Boston University) Worcester State Hospital, Worcester

- JOHN L. MORRISON, *Instructor in Obstetrics and Gynecology*  
A.B. (Dartmouth); M.D. (Pennsylvania) 25 Grant Street, Waltham
- ROBERT E. MOSS, *Associate in Psychiatry*  
A.B., A.M. (Harvard); M.D. (Boston University) 205 Bay State Road
- ELIZABETH K. MOYER, *Associate Professor of Anatomy*  
A.B., A.M. (Mount Holyoke); Ph.D. (Columbia) 80 East Concord Street
- PETER J. MOZDEN, *Assistant Professor of Surgery*  
B.A. (Massachusetts); M.D. (Boston University) 750 Harrison Avenue
- OWEN C. MULLANEY, *Assistant Professor of Obstetrics*  
A.B. (Boston College); M.D. (Boston University) 408 Granite Avenue, East Milton
- PHILIP F. MULVEY, JR., *Assistant in Medicine*  
A.B. (Clark); M.A. (Bowling Green); Ph.D. (Buffalo) 150 South Huntington Avenue
- ROSEMARY A. MURPHY, *Clinical Instructor in Medicine*  
B.S. (Purdue); M.A. (Wellesley); M.D. (Boston University) 605 Commonwealth Avenue
- JOHN F. MURTAUGH, *Clinical Instructor in Surgery*  
A.B. (Syracuse); M.D. (Boston University) 821 Massachusetts Avenue, Arlington
- CECIL MUSHATT, *Research Associate in Psychiatry*  
B.A., B.Sc., M.D., B.A.O., B.Ch., M.D., M.Sc. (Trinity College, Dublin)  
47 Arlington Road, Chestnut Hill
- ARTHUR Z. MUTTER, *Associate in Child Psychiatry*  
B.S. (Franklin and Marshall); M.D. (Maryland) 818 Harrison Avenue
- PHILIP MYSEL, *Associate Clinical Professor of Otolaryngology*  
M.D. (Tufts) 150 South Huntington Avenue
- ANDRÉ J. NAHMIAS, *Research Associate in Microbiology*  
B.A., M.A. (Texas); M.P.H. (Michigan); M.D. (George Washington) 15 Stoughton Street
- CLIFFORD V. NELSON, *Lecturer on Biophysics*  
S.B. (M.I.T.); Ph.D. (London) Maine Medical Center, Portland, Me.
- EUGENE M. NELSON, *Associate in Orthodontics*  
B.S. (Rhode Island); D.D.S. (Maryland) 151 Waterman Street, Providence, R. I.
- JOHN B. NELSON, III, *Assistant in Child Psychiatry*  
B.A. (Earlham); M.D. (Jefferson) 315 Dartmouth Street
- S. JOSEPH NEMETZ, *Assistant Research Professor of Psychiatry*  
B.S. (Connecticut); M.D. (Boston University) 1419 Beacon Street, Brookline
- DONALD A. NICKERSON, *Clinical Professor of Pathology*  
M.D. (Tufts) Salem Hospital, Salem
- LOUIS J. NIDORF, *Research Assistant in Psychology*  
B.A., M.A. (Oregon); Ph.D. (Clark) 44 Chiswick Road, Brookline
- RICHARD E. NOON, *Instructor in Radiology*  
B.S. (Massachusetts); M.D. (Boston University) 1008 Smith Street, Providence, R. I.
- GEORGE M. NOSS, *Associate in Restorative Dentistry*  
A.B., D.M.D. (Harvard) 31 Bay State Road
- MALKAH T. NOTMAN, *Instructor in Psychiatry*  
Ph.B., B.S. (Chicago); M.D. (Boston University) 54 Clark Road, Brookline
- RALPH R. NOTMAN, *Research Associate in Psychiatry*  
B.A. (Queen's, Canada); M.D., C.M. (McGill) 80 East Concord Street
- VASCO E. NUNEZ, *Assistant in Urology*  
A.B. (Swarthmore); M.D. (Tufts) 821 Massachusetts Avenue, Arlington

- SYLVIA F. COLLINS O'CONNOR, *Assistant in Dermatology*  
A.B. (Emmanuel); M.D. (Tufts) R.F.D. #2, Morse Road, Sudbury
- EDWARD T. O'HARA, *Clinical Instructor in Surgery*  
B.S., M.D. (Tufts) 416 Marlborough Street
- TAKASHI OKUYAMA, *Research Associate in Biochemistry*  
Ph.D. (Fukushima); B.S. (Tohoku) 80 East Concord Street
- MORTON J. OLIN, *Assistant Professor of Oral Surgery*  
D.M.D. (Tufts) 29 Commonwealth Avenue
- RAYMOND O. OLSON, *Clinical Instructor in Urology*  
A.B. (Brown); M.D. (Harvard) 264 Beacon Street
- RUDOLPH OSGOOD, *Assistant Professor of Pathology*  
B.S. (Harvard); M.D. (Rush) Box 1051, Norton
- LEONARD D. OSLER, *Associate Professor of Neurology*  
B.A., M.A., M.B. (Downing, England); M.R.C.P., M.D. (London Royal College of Physicians & Surgeons) 80 East Concord Street
- PAUL I. OSSEN, *Assistant in Medicine*  
B.A. (Dartmouth); M.D. (Boston University) 67 Coddington Street, Quincy
- JOHN B. O'SULLIVAN, *Assistant in Medicine*  
L.L.M. (Royal College of Physicians & Surgeons) 77 Warren Street, Brighton
- PAUL F. PARAKKAL, *Research Associate in Dermatology*  
B.Sc. (Travancore, India); M.Sc. (McGill); Ph.D. (Brown) 750 Harrison Avenue
- LANGDON PARSONS, *Lecturer on Gynecology*  
A.B. (Yale); M.D. (Harvard) 203 Commonwealth Avenue
- VINCENT J. PATALANO, *Assistant in Surgery*  
A.B. (Harvard); A.M., M.D. (Boston University) 139 Summer Street, Somerville
- ELEANOR PAVENSTEDT, *Professor of Child Psychiatry*  
M.D. (Geneva, Switzerland) 80 East Concord Street
- CHARLES W. PEABODY, *Honorary Professor of Orthopedic & Fracture Surgery*  
A.B., M.D. (Harvard) 25 Riverside Drive, Barrington, R. I.
- EDWARD W. PELIKAN, *Professor of Pharmacology*  
B.S., M.S., M.D. (Illinois) 80 East Concord Street
- WILLIAM J. PENDERGAST, *Assistant Professor of Periodontology*  
D.M.D. (Tufts) 45 Bay State Road
- JALNA A. PERRY, *Instructor in Psychiatry*  
B.S. (New Hampshire); M.D. (Boston University) 244 Townsend Street
- CHARLES A. PINDERHUGHES, *Lecturer on Psychiatry*  
A.B. (Dartmouth); M.D. (Harvard) 150 South Huntington Avenue
- ANTHONY J. PIRO, *Assistant in Medicine*  
A.B., M.D. (Boston University) 150 South Huntington Avenue
- ALBERT J. PLUMMER, *Lecturer on Pharmacology*  
A.B., A.M., Ph.D., M.D. (Boston University) Ciba Pharmaceutical Products, Inc., Summit, N. J.
- PETER E. POCHI, *Instructor in Dermatology*  
A.B. (Harvard); M.D. (Boston University) 750 Harrison Avenue
- BURTON J. POLANSKY, *Instructor in Medicine*  
B.A. (Hobart); M.D. (Columbia) 818 Harrison Avenue
- CHARLES E. POPE, II, *Assistant in Medicine*  
A.B. (Cornell); M.D. (Western Reserve) 15 Stoughton Street
- WILLIAM J. PORELL, *Instructor in Surgery*  
M.D. (Harvard) 51 Brattle Street, Cambridge

- ARNOLD PORTER, *Clinical Instructor in Surgery*  
A.B. (Yale); M.D. (Harvard) 110 Lockwood Street, Providence, R.I.
- JOHN H. PORTER, III, *Instructor in Psychiatry*  
A.B. (Harvard); M.D. (Washington University) 895 Blue Hill Avenue
- HERBERT I. POSIN, *Associate Clinical Professor of Psychiatry*  
A.B. (New York University); M.D. (Boston University) 25 Windsor Road, Brookline
- THEODORE A. POTTER, *Assistant Professor of Orthopedic and Fracture Surgery*  
B.S., M.D. (Boston University) 125 Parker Hill Avenue
- MARVIN A. PRESCOTT, *Assistant in Orthodontics*  
A.B., D.M.D. (Harvard) 2437 Albany Avenue, West Hartford, Conn.
- EDWIN L. PRIEN, *Assistant Clinical Professor of Urology*  
A.B., A.M. (Wisconsin); M.D. (Harvard) 1101 Beacon Street, Brookline
- MORRIS PRIZER, *Associate Clinical Professor of Pediatrics*  
M.D. (Tufts) 818 Harrison Avenue
- CHARLES V. PRYLES, *Associate Professor of Pediatrics*  
A.B. (Emory); M.D. (Georgia) 818 Harrison Avenue
- WILLIAM C. QUINBY, *Instructor in Pediatric Surgery*  
A.B. (Harvard); M.D. (Johns Hopkins) 818 Harrison Avenue
- EDWARD T. RAFFERTY, *Assistant in Urology*  
A.B. (Holy Cross); M.D. (Tufts) 177 North Common Street, Lynn
- BEATA RANK, *Honorary Professor of Psychiatry* 8 Mercer Circle, Cambridge
- JOHN P. RATTIGAN, *Lecturer on Medicine*  
A.B. (Boston College); M.D. (Boston University) 247 Commonwealth Avenue
- IVER S. RAVIN, *Assistant Clinical Professor of Medicine*  
A.B. (Harvard); M.D. (Boston University) 1136 Beacon Street, Brookline
- ROBERT H. RAY, *Assistant in Radiology*  
B.S. (New Hampshire); M.D. (Oklahoma) Phaneuf Hospital, Brockton
- JAMES W. REDMOND, *Instructor in Pediatrics*  
A.B., M.D., C.M. (McGill) 512 Broadway, South Boston
- MICHAEL O. REINOEHL, *Assistant in Dermatology*  
A.B. (Harvard); M.D. (Pennsylvania) 8 Chauncy Street, South Weymouth
- MERRELL D. REISS, *Assistant in Neurology*  
M.D. (Oklahoma) 150 South Huntington Avenue
- ARNOLD S. RELMAN, *Professor of Medicine*  
A.B. (Cornell); M.D. (Columbia) 65 East Newton Street
- OSCAR RESNICK, *Lecturer on Stomatology*  
A.B. (Clark); A.M. (Harvard); Ph.D. (Boston University)  
Worcester Foundation for Experimental Biology, Shrewsbury
- EVEOLEEN N. REXFORD, *Associate Clinical Professor of Child Psychiatry*  
B.S. (Keoka); M.S. (Cornell); M.D. (Buffalo) 13 Commonwealth Avenue
- JACOB RICE, *Assistant in Ophthalmology*  
A.B. (Emory); M.D. (Tufts) 114 Waltham Street, Lexington
- WILLIAM P. RIDDER, *Clinical Instructor in Surgery*  
M.D. (Harvard) 30 Beach Street, Wollaston
- MORRIS RINGER, *Instructor in Medicine*  
A.B. (Wesleyan); M.D. (Western Reserve) 351 Beacon Street, Newton Centre

- ARNOLD ROBBINS, *Instructor in Psychiatry*  
B.S. (Pittsburgh); M.D. (Tulane) 1419 Beacon Street, Brookline
- STANLEY L. ROBBINS, *Professor of Pathology*  
S.B., (M.I.T.); M.D. (Tufts) 818 Harrison Avenue
- CHARLES W. ROBERTSON, *Associate Professor of Surgery*  
A.B., M.D. (Syracuse) 203 Commonwealth Avenue
- FREDERICK A. ROBINSON, *Assistant in Oral Surgery*  
B.S., D.M.D. (Tufts) South Yarmouth Professional Center, South Yarmouth
- WADE ROCKWOOD, *Associate in Psychiatry*  
M.D. (Harvard) 82 Marlborough Street
- MELVIN H. RODMAN, *Instructor in Medicine*  
A.B. (Harvard); M.D. (Boston University) 15 Plymouth Avenue, Belmont
- IRVING ROMANOW, *Assistant Professor of Periodontology*  
D.D.S. (Emory) 1136 Beacon Street, Brookline
- MELVIN D. ROSEMAN, *Associate in Medicine*  
B.S., M.D. (Boston University) 483 Beacon Street
- HENRY N. ROSENBERG, *Associate Clinical Professor of Medicine*  
B.S., M.D. (Boston University) 416 Marlborough Street
- ISADORE N. ROSENBERG, *Associate Professor of Medicine*  
A.B., M.D. (Harvard) 818 Harrison Avenue
- MALCOLM L. ROSENBLATT, *Assistant in Psychiatry*  
B.A. (Virginia); M.D. (Medical College, Virginia) 53 Bay State Road
- MELVIN ROSENTHAL, *Assistant Professor of Clinical Psychology*  
A.B., A.M., Ph.D. (Boston University) 82 East Concord Street
- ANN ROSS, *Research Instructor in Psychology*  
A.B. (Maine); Ed.M., Ed.D. (Harvard) 82 East Concord Street
- WILLIAM B. ROTHNEY, *Assistant Professor of Pediatrics; Instructor in Psychiatry*  
B.S.C. (Sir George Williams); M.D., C.M. (McGill); M.P.H. (Harvard) 14 Curve Street, Sherborn
- MORRIS P. RUBEN, *Assistant Professor of Stomatology*  
B.Sc. (Ohio State); D.D.S. (Loyola) 68 East Newton Street
- GABRIEL J. RUBIN, *Assistant Clinical Professor of Pediatrics*  
B.S., M.D. (Harvard) 280 Independence Drive, Chestnut Hill
- HERBERT E. RUBIN, *Assistant in Neurology*  
B.S., M.D. (Tufts) 150 South Huntington Avenue
- DONALD H. RUSSELL, *Assistant Professor of Psychiatry*  
B.S. (Tufts); M.D. (New York University) 80 East Concord Street
- WILLIAM J. RYAN, *Research Assistant in Psychiatry*  
A.B., M.D., Ph.D. (Boston University) Mount Auburn Hospital, Cambridge
- MARTIN J. SAKLAD, *Instructor in Restorative Dentistry*  
B.A. (Washington & Jefferson); D.M.D. (Tufts) 1149 Washington Street, West Newton
- DAVID S. SAMOST, *Instructor in Restorative Dentistry*  
D.D.S. (Temple) 113 Broad Street, Lynn
- LOUIS W. SANDER, *Associate Research Professor of Psychiatry*  
A.B., M.D. (University of California) 82 East Concord Street
- ARTHUR C. SANDLER, *Instructor in Restorative Dentistry*  
B.S. (Boston College); D.M.D. (Tufts) 114 Shirley Avenue, Revere
- MEI SATAKE, *Research Associate in Biochemistry*  
Ph.D., M.D. (Tohoku) 82 East Concord Street

- LAWRENCE SAXON, *Clinical Instructor in Medicine*  
B.S., M.D. (Illinois) 311 Commonwealth Avenue
- SAUL SCHEFF, *Assistant Professor of Radiology*  
B.S. (Chicago); M.D. (Middlesex) 750 Harrison Avenue
- BENCEL L. SCHIFF, *Assistant Clinical Professor of Dermatology*  
B.S., M.D. (Montpellier, France) 351 Armistice Boulevard, Pawtucket, R. I.
- HERBERT SCHILDER, *Assistant Professor of Endodontics*  
B.A., D.D.S. (New York University) 53 Bay State Road
- IRVING W. SCHILLER, *Lecturer on Medicine*  
M.D. (Tufts) 330 Dartmouth Street
- MAXWELL J. SCHLEIFER, *Research Associate in Psychology*  
A.B. (Harvard); A.M. (U.C.L.A.); Ph.D. (Boston University) 315 Dartmouth Street
- KARL SCHMID, *Associate Professor of Biochemistry*  
Ph.D. (Basel) 80 East Concord Street
- SAMUEL J. SCHMIDT, *Instructor in Anesthesiology*  
A.B. (Bethel); M.D. (Kansas) 750 Harrison Avenue
- PHILIP SCHUBACK, *Associate in Oral Pathology and Periodontology*  
B.A., D.D.S. (New York University) 1206 Union Trust Building, Providence, R. I.
- LAZARUS SECUNDA, *Associate in Clinical Psychiatry*  
B.S. (Tufts); M.D. (Columbia) 144 Commonwealth Avenue
- JOHN R. SEGAL, *Research Assistant in Neurology*  
B.S. (Allegheny); Ph.D. (M.I.T.) 150 South Huntington Avenue
- BEN SELLING, *Instructor in Medicine*  
A.B. (Yale); M.D. (Oregon) 1180 Beacon Street, Newton
- JOSEPH SERONDE, JR., *Research Associate in Pathology*  
B.S., M.D. (Yale) Laboratory Comparative Pathology, Stow
- JEROME H. SHAPIRO, *Professor of Radiology*  
M.D. (Yale) 818 Harrison Avenue
- ROBERT SHAPIRO, *Instructor in Orthopedic and Fracture Surgery*  
A.B. (Harvard); M.D. (Tufts) 314 Commonwealth Avenue
- ELMER A. SHAW, *Instructor in Ophthalmology*  
B.S., M.D. (Tufts) 140 Marlborough Street
- FRANK G. SHEDDAN, *Assistant Clinical Professor of Urology*  
B.S. (Texas Christian); M.D. (Baylor) 1180 Beacon Street, Brookline
- JOHN C. SHEEHAN, *Associate in Anesthesiology*  
B.S., M.D. (Tufts) 818 Harrison Avenue
- JOSEPH SHEFFER, *Assistant in Orthodontics*  
A.B. (Brown); D.M.D. (Harvard) 1758 Beacon Street, Brookline
- DAVID S. SHERMAN, *Associate in Medicine*  
B.S. (Colby); M.D. (Boston University) 249 River Street, Mattapan
- THOMAS F. SILVA, JR., *Clinical Instructor in Surgery*  
B.S., D.M.D. (Tufts); M.D. (Boston University) 1180 Beacon Street, Brookline
- F. MAROTT SINEX, *Professor of Biochemistry*  
A.B. (Depauw); M.A. (Indiana); Ph.D. (Harvard) 80 East Concord Street
- KENNETH W. SINISH, *Assistant in Obstetrics and Gynecology*  
B.S. (Yale); M.D. (Harvard) 130 Maple Street, Springfield
- HERBERT S. SISE, *Associate in Medicine*  
A.B., M.D. (Harvard) 203 Commonwealth Avenue

- JOHN H. SISSON, *Associate in Medicine*  
A.B. (Harvard); M.D. (Johns Hopkins) 203 Commonwealth Avenue
- DAVID SKINNER, *Assistant Professor of Pathology*  
B.A. (Carleton); M.D. (Harvard) 2014 Washington Street, Newton Lower Falls
- JAMES C. SKINNER, *Associate Professor of Psychiatry*  
A.B., M.D. (Harvard) 750 Harrison Avenue
- JOSEPH J. SKIRBALL, *Clinical Professor of Ophthalmology*  
M.D. (Tufts) 353 Commonwealth Avenue
- JACK L. SLATOFF, *Assistant in Psychology*  
B.A., M.S. (Massachusetts); Ph.D. (Boston University) 315 Dartmouth Street
- D. WARD SLINGERLAND, *Assistant Professor of Medicine*  
B.S., M.D. (Harvard) 150 South Huntington Avenue
- REGINALD H. SMITHWICK, *Professor of Surgery*  
S.B. (M.I.T.); M.D. (Harvard) 203 Commonwealth Avenue
- ERNEST A. SNEDDON, *Associate Professor of Anesthesiology*  
A.B., M.D. (Syracuse) 750 Harrison Avenue
- CHESTER I. SOLOMON, *Assistant Professor of Restorative Dentistry*  
A.B., D.M.D. (Harvard) 1219 River Street, Hyde Park
- HARRY C. SOLOMON, *Honorary Professor of Psychiatry*  
A.B., M.D. (Harvard) 15 Ashburton Place
- PRAMOD SOPARKAR, *Research Associate in Orthodontics*  
M.S. (Iowa); D.M.D. (Tufts) 750 Harrison Avenue
- CARLTON R. SOUDERS, *Lecturer on Medicine*  
B.S. (Franklin & Marshall); M.D. (Harvard) 605 Commonwealth Avenue
- LAMAR SOUTTER, *Professor of Surgery*  
A.B., M.D. (Harvard) 577 Bridge Street, Dedham
- MARIO SPARAGANA, *Associate in Medicine*  
B.A., M.D. (Rochester) 150 South Huntington Avenue
- EDWARD L. SPATZ, *Associate Professor of Neurosurgery*  
S.B., M.D. (Pittsburgh) 818 Harrison Avenue
- EDWARD SPINDELL, *Clinical Instructor in Orthopedic and Fracture Surgery*  
A.B. (Brown); M.D. (Boston University) 203 Waterman Street
- DAVID G. STAHL, *Instructor in Periodontology*  
A.B. (Dartmouth); D.M.D. (Tufts) 1138 Elm Street, Manchester, N. H.
- GEORGE W. B. STARKEY, *Clinical Instructor in Surgery*  
B.S. (Trinity); M.D. (Harvard) 319 Longwood Avenue
- DAVID B. STEARNS, *Clinical Professor of Urology*  
A.B. (Harvard); M.D. (Boston University) 416 Marlborough Street
- GERALD STECHLER, *Assistant Research Professor of Clinical Psychology*  
Ph.B. (Chicago); B.S. (Columbia); M.S., Ph.D. (Yale) 80 East Concord Street
- FRITZ STECKERL, *Assistant Research Professor of Medicine*  
Ph.D. (Vienna); M.D. (Texas, Southwestern) 80 East Concord Street
- HAROLD M. STERLING, *Lecturer on Rehabilitation*  
B.A. (Iowa); M.D. (Yale) 25 Bennet Street
- RICHARD P. STETSON, *Lecturer on Medicine*  
A.B. (Dartmouth); M.D. (Harvard) 330 Stuart Street
- CHARLES R. STEWART, *Instructor in Radiology*  
B.S., M.D. (Pittsburgh) The Faulkner Hospital, Jamaica Plain

- JAMES S. STILLMAN, *Lecturer on Medicine*  
A.B. (Amherst); M.D. (Harvard) 264 Beacon Street
- JULIUS STOLL, JR., *Clinical Instructor in Neurosurgery*  
A.B. (Rochester); M.D. (Syracuse) 274 Benefit Street, Providence, R. I.
- JOSEPH M. STOLMAN, *Instructor in Periodontology*  
B.A. (Connecticut); D.M.D. (Harvard) 18 Asylum Street, Hartford, Conn.
- CHARLES M. STOREY, JR., *Instructor in Psychiatry*  
A.B., M.D. (Harvard) 266 Beacon Street
- ROBERT H. W. STRANG, *Visiting Clinical Professor of Orthodontics*  
D.D.S., M.D. (Pennsylvania) 114 State Street, Bridgeport, Conn.
- JOHN S. STRAUSS, *Associate Professor of Dermatology*  
B.S., M.D. (Yale) 203 Commonwealth Avenue
- MAURICE B. STRAUSS, *Professor of Medicine*  
A.B. (Amherst); M.D. (Johns Hopkins) 150 South Huntington Avenue
- JOHN W. STRIEDER, *Clinical Professor of Surgery*  
S.B. (M.I.T.); M.D. (Harvard) 1180 Beacon Street, Brookline
- M. STUART STRONG, *Professor of Otolaryngology*  
B.A., M.D. (Trinity); F.R.C.S.I. (Ireland); F.R.C.S. (England) 203 Commonwealth Avenue
- HERMAN J. SUGARMAN, *Lecturer on Surgery*  
A.B. (Brown); M.D. (Tufts) 150 South Huntington Avenue
- CAROL SUSSMAN, *Instructor in Psychiatric Social Work*  
B.A. (Connecticut); M.S.S. (Smith) 750 Harrison Avenue
- GLENN A. SUTTON, *Assistant Professor of Restorative Dentistry*  
D.D.S. (Emory) 1189 Smithfield Avenue, Lincoln, R. I.
- JACOB SWARTZ, *Associate Professor of Psychiatry*  
S.B., M.D. (Boston University) 80 East Concord Street
- EDWARD D. SWISS, *Assistant in Medicine*  
B.S. (Rutgers); A.M., Ph.D., M.D. (Boston University) 386 High Street, Newburyport
- SHIZUKO TAKAHASHI, *Research Associate in Biochemistry*  
M.D. (Fukushima) 80 East Concord Street
- HERBERT S. TALBOT, *Lecturer on Urology*  
A.B. (Dartmouth); M.D. (Columbia) V. A. Hospital, West Roxbury
- LEO TALKOV, *Associate Professor of Restorative Dentistry*  
D.M.D. (Harvard) 1134 Beacon Street, Brookline
- GRANTLEY W. TAYLOR, *Honorary Professor of Surgery*  
A.B., M.D. (Harvard) 101 River Road, Weston
- CESARE G. TEDESCHI, *Associate Professor of Pathology*  
M.D. (Bologna) Framingham Union Hospital, Framingham
- MELVIN TEFFT, *Assistant in Radiology*  
A.B. (Harvard); M.D. (Boston University) Children's Medical Center
- DONALD E. TEMPLE, *Assistant in Dermatology*  
A.B. (Harvard); M.D. (Chicago) U. S. Army Research Institute of  
Environmental Medicine, Natick
- BENJAMIN TENNEY, JR., *Lecturer on Obstetrics*  
B.S. (Dartmouth); M.D. (Harvard) 818 Harrison Avenue
- RICHARD W. THALER, *Assistant in Medicine*  
A.B. (Tennessee); M.D. (Harvard) 1180 Beacon Street, Brookline
- CHARLES L. THAYER, *Assistant in Surgery*  
B.S. (New Hampshire); M.D. (Tufts) 12 Fleet Street, Portsmouth, N. H.

- THEODORE R. THAYER, *Assistant in Surgery*  
M.D. (Boston University) 68 Church Green, Taunton
- KURT H. THOMA, *Professor of Oral Surgery*  
D.M.D. (Harvard) 1146 Beacon Street, Brookline
- DONALD R. THOMPSON, *Associate in Psychiatry*  
B.S. (New Hampshire); M.D. (Boston University) 150 South Huntington Avenue
- THOMAS M. TIERNEY, *Assistant in Urology*  
Ph.B. (Boston College); M.D. (Georgetown) 1180 Beacon Street, Brookline
- SISTER MARY CHRISTINA TILK, *Assistant in Restorative Dentistry*  
D.D.S. (Marquette) 863 Central Street, Framingham Center
- CARL B. TISCH, *Assistant in Medicine*  
A.B. (Harvard); M.D. (Boston University) 47 West Elm Street, Brockton
- KATUHIKO TOKITA, *Research Associate in Biochemistry*  
Ph.D., M.D. (Tohoku) 80 East Concord Street
- SAMUEL M. TOLL, *Associate in Restorative Dentistry*  
D.D.S. (Pennsylvania) 19 Needham Street, Dedham
- BERNARD TOLNICK, *Associate in Medicine*  
S.B., M.D. (Boston University) 403 Commonwealth Avenue
- WILLIAM D. TOMPKINS, *Assistant in Surgery*  
B.S. (Michigan); M.D. (Tufts) 520 Commonwealth Avenue
- TIMOTHY J. TOOMEY, *Instructor in Oral Surgery*  
A.B. (Boston College); D.M.D. (Tufts) 140 Spring Street, Cambridge
- JOSEPH C. TORRES, *Assistant Professor of Physiology*  
B.S. (Stonehill); M.S. (Boston College); Ph.D. (Boston University) 80 East Concord Street
- HOWARD M. TRAFTON, *Clinical Instructor in Urology*  
M.D. (Boston University) 1101 Beacon Street, Brookline
- JOHN P. TREATOR, JR., *Instructor in Pediatrics*  
M.D. (Harvard) 42 Eliot Street, Jamaica Plain
- HAROLD TURNER, *Instructor in Dentistry for the Handicapped*  
A.B. (Harvard); D.D.S. (Pennsylvania) 1146 Beacon Street, Brookline
- CHARLES H. TWEED, JR., *Visiting Clinical Professor of Orthodontics*  
D.D.S. (California) 2620 East Broadway, Tucson, Ariz.
- RUSSELL F. TYLER, *Instructor in Pathology*  
A.B. (Atlantic Union); M.D. (Loma Linda) 5 Woodland Road, Stoneham
- WILLIAM C. ULLRICK, *Associate Professor of Physiology*  
B.S. (Northwestern); M.S., Ph.D. (Illinois) 80 East Concord Street
- LOUIS VACHON, *Research Assistant in Psychiatry*  
B.A. (de Saint Laurent); M.D. (Montreal) 15 Stoughton Street
- SUZANNE T. VAN AMERONGEN, *Assistant Clinical Professor of Psychiatry*  
Ph.D., M.D. (Amsterdam) 315 Dartmouth Street
- JAMES L. VANDERVEEN, *Assistant Professor of Anesthesiology*  
M.D. (Harvard) 750 Harrison Avenue
- CHARLES W. VAUGHAN, *Assistant in Otolaryngology*  
B.S., M.D. (Western Reserve) 203 Commonwealth Avenue
- CHETTY BHAKATA VIZIAM, *Assistant in Dermatology*  
B.A. (P.R. College); M.B., B.S. (Andhra); D.V. (Madras) 170 Morton Street, Jamaica Plain
- JOSEPH S. WALLACE, *Instructor in Obstetrics*  
A.B. (Harvard); M.D. (Boston University) 454 Brookline Avenue

- RAYMOND J. WALTHER, *Associate in Medicine*  
B.S., M.D. (Pittsburgh) 203 Commonwealth Avenue
- GEORGE W. WARING, JR., *Assistant Clinical Professor of Medicine and Dermatology*  
B.S. (South Carolina); M.D. (Johns Hopkins) 1 Craigie Street, Cambridge
- LLOYD H. WARSHAUER, *Assistant Professor of Restorative Dentistry*  
B.A. (Johns Hopkins); D.M.D. (Tufts) 341 Marlborough Street
- THOMAS G. WEBSTER, *Clinical Instructor in Psychiatry*  
A.B. (Kansas State); M.D. (Wayne) 274 Commonwealth Avenue
- WALTER R. WEGNER, *Clinical Instructor in Neurosurgery*  
B.A. (North Central); M.D. (Nebraska) 818 Harrison Avenue
- LEONARD R. WEINER, *Associate in Psychiatry*  
B.A., M.D. (Wisconsin) 86 Griggs Road, Brookline
- LOUIS WEINSTEIN, *Lecturer on Medicine*  
B.S., M.S., Ph.D. (Yale); M.D. (Boston University) 171 Harrison Avenue
- HOWARD WEINTRAUB, *Instructor in Psychiatry and Pediatrics*  
B.A. (New York University); M.D. (State University of New York, Downstate)  
266 A Beacon Street
- DANIEL M. WEISS, *Associate in Psychiatry*  
S.B., M.D. (Boston University) 150 South Huntington Avenue
- EDWARD J. WELCH, *Assistant Clinical Professor of Medicine*  
B.A. (Princeton); M.D. (Harvard) 1101 Beacon Street, Brookline
- FRANCIS J. WENZLER, *Instructor in Pediatrics*  
B.A., M.D. (Tufts) 449 River Street, Mattapan
- J. HUSTON WESTOVER, *Assistant in Medicine*  
B.A., M.D. (Columbia) Main Street, Acton
- JOHN S. WHEELER, *Clinical Associate in Urology*  
A.B. (Dartmouth); M.D. (New York Medical) 167 Union Avenue, Framingham
- GERALD H. WHIPPLE, *Assistant Professor of Medicine*  
S.B. (Harvard); M.D. (California, San Francisco) 65 East Newton Street
- HERBERT WHITE, *Assistant in Dermatology*  
A.B. (Boston University); M.S., M.D. (Vermont) 452 Pleasant Street, Malden
- GEORGE P. WHITELOW, *Professor of Surgery*  
Ph.D. (Yale); M.D. (Harvard) 203 Commonwealth Avenue
- ROBERTA E. WHITESIDE, *Assistant Research Professor of Microbiology*  
B.S. (Alabama); A.M., Ph.D. (Boston University) 80 East Concord Street
- FREDRICK G. WHORISKEY, *Instructor in Pediatrics*  
A.B. (Harvard); M.D. (Tufts) 1955 Commonwealth Avenue, Brighton
- FREDERICK G. WIEGAND, *Assistant Clinical Professor of Obstetrics & Gynecology*  
B.A. (Yale); M.H.D., M.D. (Hahnemann) U.S.N. Hospital, Chelsea
- MARION E. WIER, *Instructor in Pediatrics*  
M.D. (Boston University) South Shore Medical Clinic, Norwell
- WILLIAM C. WIGGLESWORTH, *Clinical Instructor in Surgery*  
B.S., M.D. (Harvard) 78 County Road, Ipswich
- HUGH L. C. WILKERSON, *Research Associate in Medicine*  
B.S. (Hampden-Sydney); M.D. (Medical College, Virginia); M.P.H. (Johns Hopkins)  
3 Meadowbrook Road, Needham
- ROBERT W. WILKINS, *Professor of Medicine*  
A.B. (North Carolina); M.D. (Harvard) 65 East Newton Street

MARVIN H. WINKLER, <i>Assistant Research Professor of Biochemistry</i> B.A., M.S., Ph.D. (New York University)	281 South Street, Jamaica Plain
EGON G. WISSING, <i>Assistant Professor of Radiology</i> M.D. (Berlin)	150 South Huntington Avenue
JOSEPH WOLFE, <i>Instructor in Restorative Dentistry</i> B.S. (Boston University); D.D.S. (Columbia)	1601 Blue Hill Avenue, Mattapan
WESLEY G. WOLL, JR., <i>Assistant Clinical Professor of Physical Medicine</i> B.S. (Springfield); M.D. (Boston University)	170 Morton Street, Jamaica Plain
GEORGE H. WOODWARD, <i>Instructor in Psychiatry</i> M.D. (Harvard)	150 South Huntington Avenue
HERBERT H. WOTIZ, <i>Professor of Biochemistry</i> B.Sc. (Providence); Ph.D. (Yale)	80 East Concord Street
HOWARD S. YAFFEE, <i>Clinical Instructor in Dermatology</i> A.B. (Syracuse); M.D. (Harvard)	60 Brattle Street, Cambridge
MASAO YATSUHASHI, <i>Clinical Instructor in Surgery</i> A.B., M.D. (Harvard)	Pondville Hospital, Walpole
SETRAG A. ZACARIAN, <i>Assistant in Dermatology</i> B.S. (Tufts); M.D. (Boston University)	130 Maple Street, Springfield
NORMAN ZAMCHECK, <i>Research Associate in Pathology</i> A.B., M.D. (Harvard)	818 Harrison Avenue
ELIOT L. ZIGELBAUM, <i>Assistant Professor of Periodontology</i> D.D.S. (Northwestern)	171 Concord Street, Framingham
JOAN J. ZILBACH, <i>Instructor in Psychiatry</i> Ph.B., B.S. (Chicago); M.D. (Boston University)	36 Amory Street, Brookline
ALAN ZISKIND, <i>Assistant in Pediatrics</i> A.B. (Columbia); M.D. (Boston University)	84 Leonard Street, Belmont
BERNARD ZONDERMAN, <i>Associate Clinical Professor of Otolaryngology</i> B.S., M.D. (Boston University)	285 Commonwealth Avenue
ANTHONY ZOVICKIAN, <i>Assistant Professor of Surgery</i> A.B. (Harvard); M.D. (Yale)	264 Beacon Street

## TEACHING AND RESEARCH FELLOWS

SHELDON ADLER, <i>Research Fellow in Medicine</i> B.A. (New York University); M.D. (State University of New York, Downstate)	65 East Newton Street
BARBARA L. AESCHLIMAN, <i>Senior Teaching Fellow in Psychiatry</i> B.A. (Swarthmore); M.D. (Temple)	1075 Pleasant Street, Belmont
CHANG-SOO AHN, <i>Senior Teaching Fellow in Medicine</i> M.D. (Taegu)	818 Harrison Avenue
I. ALAN ANNIS, <i>Senior Teaching Fellow in Psychiatry</i> M.D. (Middlesex)	65 East Newton Street
ALAN E. APFEL, <i>Senior Teaching Fellow in Medicine</i> B.A., M.D. (Yale)	818 Harrison Avenue
MARY V. BALL, <i>Research Fellow in Medicine</i> A.B. (Smith); M.D. (Harvard)	15 Stoughton Street
ROBERT F. BARRERAS, <i>Junior Teaching Fellow in Medicine</i> A.B., M.D. (Columbia)	65 East Newton Street
ORAZIO J. BASILE, <i>Senior Teaching Fellow in Dermatology</i> A.B. (Brown); M.D. (Bologna)	750 Harrison Avenue
WILLIAM J. BETINIS, <i>Senior Teaching Fellow in Psychiatry</i> B.A. (Simpson); M.D. (Albany)	750 Harrison Avenue

BATSHEVA BONNE, <i>Senior Teaching Fellow in Biochemistry</i> B.A. (Jerusalem); A.M. (Chicago)	80 East Concord Street
IAN A. D. BOUCHIER, <i>Research Fellow in Medicine</i> M.B., Ch.B., M.D. (Cape Town)	750 Harrison Avenue
JOHN A. BRENDESE, <i>Junior Teaching Fellow in Dermatology</i> B.S. (Siena); M.D. (Seton Hall)	Zero Emerson Place
SELWYN A. BROITMAN, <i>Research Fellow in Pathology</i> B.S., M.S. (Massachusetts); Ph.D. (Michigan)	818 Harrison Avenue
KENNETH H. BRYANT, <i>Senior Teaching Fellow in Psychiatry</i> M.B., B.S. (Adelaide); D.P.M., B.Sc. (Melbourne)	818 Harrison Avenue
FRANCIS J. BURKE, <i>Junior Teaching Fellow in Dermatology</i> B.A. (Providence); M.D. (Maryland)	750 Harrison Avenue
JOHN V. BUTKIEWICZ, <i>Senior Teaching Fellow in Surgery</i> A.B. (Columbia); M.S. (Illinois); M.D. (Boston University)	750 Harrison Avenue
SATI C. CHATTORAJ, <i>Junior Teaching Fellow in Biochemistry</i> B.S. (Ashutosh); M.S. (Calcutta)	80 East Concord Street
JOHN H. CHEN, <i>Junior Teaching Fellow in Biochemistry</i> B.S. (Taiwan Chung Hsing)	15 Stoughton Street
PETER T. CHORAS, <i>Senior Teaching Fellow in Child Psychiatry</i> B.Sc., M.D. (McGill)	Massachusetts General Hospital
JULIUCZ E. CIEMBRONIEWICZ, <i>Research Fellow in Surgery</i> M.D. (Jagielloniensis)	15 Stoughton Street
FRANCIS R. COMERFORD, <i>Research Fellow in Medicine</i> M.B., B.Ch., B.A.O. (National University, Ireland)	750 Harrison Avenue
JOHN C. CONIARIS, <i>Junior Teaching Fellow in Psychiatry</i> A.B., M.D. (Boston University)	750 Harrison Avenue
BIAGIO A. CONTE, <i>Senior Teaching Fellow in Surgery</i> B.S. (Boston University); M.D. (Tufts)	245 River Street, Mattapan
ROBERT A. DERRO, <i>Junior Teaching Fellow in Medicine</i> A.B. (Harvard); M.D. (George Washington)	170 Morton Street, Jamaica Plain
RICHARD J. DiBELLA, <i>Junior Teaching Fellow in Dermatology</i> B.S. (Trinity); M.D. (Laval)	750 Harrison Avenue
JOHN DILL, <i>Junior Teaching Fellow in Biochemistry</i> S.B. (M.I.T.)	80 East Concord Street
JOSEPH L. DOHAN, <i>Senior Teaching Fellow in Medicine</i> A.B. (Harvard); M.D. (Florida)	818 Harrison Avenue
WALTER G. DUKSTEIN, <i>Research Fellow in Medicine</i> B.S., M.S., M.D. (Pittsburgh)	65 East Newton Street
GARDNER T. EDWARDS, <i>Senior Teaching Fellow in Medicine</i> B.A., (V.M.I.); M.D. (Medical College, Virginia)	750 Harrison Avenue
GARABED EKNOYAN, <i>Junior Teaching Fellow in Medicine</i> B.S., M.D. (American University of Beirut)	818 Harrison Avenue
ROBERT EMRICK, <i>Senior Teaching Fellow in Pathology</i> B.A. (Ohio University); M.D. (Ohio State)	818 Harrison Avenue
DAVID W. FAGELL, <i>Senior Teaching Fellow in Surgery</i> B.A., M.D. (Vermont)	750 Harrison Avenue
ROBERT FAND, <i>Junior Teaching Fellow in Dermatology</i> M.D. (Syracuse)	818 Harrison Avenue
NORMAND L. FORTIER, <i>Senior Teaching Fellow in Biochemistry</i> B.S. (Hampden College of Pharmacy); B.A. (American International)	80 East Concord Street

- BRENDAN M. FOX, *Senior Teaching Fellow in Urology*  
B.S. (Holy Cross); M.D. (Tufts) 818 Harrison Avenue
- MORTON J. FRANKLIN, *Senior Teaching Fellow in Psychiatry*  
A.B. (Harvard); M.D. (State University of New York, Downstate) 15 Stoughton Street
- ALLAN E. FREDERICKSON, *Senior Teaching Fellow in Surgery*  
B.A., M.D. (Wesleyan) V.A. Hospital, Providence, R.I.
- PETER M. GLASSMAN, *Research Fellow in Physiology*  
A.B. (Boston University) 80 East Concord Street
- GORDON G. GLOBUS, *Senior Teaching Fellow in Psychiatry*  
A.B. (Cornell); M.D. (Tufts) 750 Harrison Avenue
- HAROLD L. GOLDBERG, *Junior Teaching Fellow in Psychiatry*  
A.B. (Harvard); M.D. (Medical College, Virginia) 591 Morton Street, Dorchester
- ROBERT A. GOLDMAN, *Junior Teaching Fellow in Psychiatry*  
S.B. (M.I.T.); M.D. (Boston University) 750 Harrison Avenue
- EDWIN L. GRAB, *Junior Teaching Fellow in Biochemistry*  
B.S. (Antioch) 80 East Concord Street
- JASON I. GREENSTEIN, *Senior Teaching Fellow in Surgery*  
A.B. (Brown); M.D. (Chicago) 150 South Huntington Avenue
- JEAN H. GRIFFIN, *Senior Teaching Fellow in Pediatrics*  
B.A. (William Smith); M.D. (Toronto) 818 Harrison Avenue
- RICHARD L. GROSS, *Senior Teaching Fellow in Child Psychiatry*  
B.S. (Muhlenberg); M.D. (Hahnemann) 750 Harrison Avenue
- MORTON H. HEAFITZ, *Senior Teaching Fellow in Surgery*  
A.B. (Dartmouth); M.D. (Buffalo) 818 Harrison Avenue
- WILLIAM HENDRY, *Junior Teaching Fellow in Pathology*  
M.B., Ch.B., (Glasgow) 818 Harrison Avenue
- MARY E. HERON, *Junior Teaching Fellow in Biochemistry*  
B.A. (Regis) 15 Stoughton Street
- GEORGE C. HEWITT, *Research Fellow in Medicine*  
A.B. (Harvard); M.D. (Boston University) 65 East Newton Street
- SUSAN S. HOMANS, *Senior Teaching Fellow in Psychiatry*  
A.B. (Cornell); M.D. (Johns Hopkins) 750 Harrison Avenue
- CHARALAMBOS S. IERODIAKONOU, *Senior Teaching Fellow in Psychiatry*  
M.D. (Athens) 750 Harrison Avenue
- MARTIN A. JACOBS, *Senior Teaching Fellow in Psychology*  
B.S., M.A. (Brooklyn) 15 Stoughton Street
- GEORGE J. KACOYANIS, *Junior Teaching Fellow in Medicine*  
B.S. (Northeastern); A.M., Ph.D., M.D. (Boston University) 150 South Huntington Avenue
- DONALD E. KAMM, *Research Fellow in Medicine*  
B.S. (Cortland State); M.D. (Albany) 65 East Newton Street
- JEROME J. KASTRUL, *Senior Teaching Fellow in Medicine*  
B.A. (Chicago); M.D. (Northwestern) 150 South Huntington Avenue
- ALAN S. KATZ, *Junior Teaching Fellow in Psychiatry*  
B.A. (Hobart); M.D. (Brussels) 750 Harrison Avenue
- RUDOLPH M. KEIMOWITZ, *Junior Teaching Fellow in Medicine*  
B.A., M.D. (Vermont) 818 Harrison Avenue
- IN CHANG KIM, *Research Fellow in Medicine*  
B.A. (Evansville); M.D. (Washington University) 65 East Newton Street

PETER JAY KNOLL, <i>Senior Teaching Fellow in Medicine</i> A.B. (Cornell); M.D. (Cincinnati)	150 South Huntington Avenue
DANIEL F. KOSLOFF, <i>Senior Teaching Fellow in Surgery</i> A.B., M.D. (Boston University)	150 South Huntington Avenue
JAY KUTEN, <i>Senior Teaching Fellow in Psychiatry</i> B.A. (Cornell); M.D. (Washington University)	30 Pembroke Street, Newton
JEAN LENNOX, <i>Junior Teaching Fellow in Biochemistry</i> B.A. (Swarthmore)	15 Stoughton Street
MARVIN S. LIGGETT, <i>Senior Teaching Fellow in Medicine</i> A.B., M.D. (Kansas)	150 South Huntington Avenue
ARTHUR J. LUSKIN, <i>Research Fellow in Medicine</i> B.S. (Tufts); M.D. (New York University)	10 Union Street, Natick
JOSEPH P. MACARY, <i>Junior Teaching Fellow in Psychiatry</i> B.S. (Fairfield); M.D. (St. Louis)	750 Harrison Avenue
ELLEN MAHER, <i>Junior Teaching Fellow in Pathology</i> M.B.B.Ch (University College, Dublin)	818 Harrison Avenue
THOMAS MAIER, <i>Junior Teaching Fellow in Psychiatry</i> A.B. (Rochester); M.D. (Virginia)	750 Harrison Avenue
MICHAEL H. MALAMUD, <i>Senior Teaching Fellow in Psychiatry</i> A.B. (Brown); M.D. (Boston University)	750 Harrison Avenue
SIDNEY J. MALAWER, <i>Research Fellow in Medicine</i> A.B. (Columbia); M.D. (Chicago)	15 Stoughton Street
SAM A. MARGOLIS, <i>Junior Teaching Fellow in Biochemistry</i> A.B. (Boston University); M.S. (Rhode Island)	80 East Concord Street
HORACE F. MARTIN, <i>Senior Teaching Fellow in Biochemistry</i> B.S. (Providence); M.S. (Rhode Island)	80 East Concord Street
DEAN F. MAY, <i>Senior Teaching Fellow in Psychiatry</i> B.S. (John Carroll); M.D. (St. Louis)	818 Harrison Avenue
HUGH F. MCCARTHY, <i>Senior Teaching Fellow in Surgery</i> B.S. (Boston College); M.D. (New York Medical)	150 South Huntington Avenue
KLAUS J. H. MECKELER, <i>Research Fellow in Medicine</i> M.D. (Tubingen)	15 Stoughton Street
RICHARD P. MILLER, <i>Senior Teaching Fellow in Medicine</i> B.S. (Notre Dame); M.D. (Georgetown)	818 Harrison Avenue
BRUCE R. I. MORRISON, <i>Research Fellow in Medicine</i> M.B., Ch.B., M.D. (Otago)	65 East Newton Street
BRUNO L. MUELLER, <i>Research Fellow in Medicine</i> M.D. (Zurich)	65 East Newton Street
EVAN ORPHANOS, <i>Junior Teaching Fellow in Medicine</i> B.S. (Massachusetts); M.D. (Vermont)	150 South Huntington Avenue
HENRY T. OYAMA, <i>Senior Teaching Fellow in Surgery</i> A.B., M.D. (Boston University)	150 South Huntington Avenue
JONATHAN O. PARTAIN, <i>Junior Teaching Fellow in Medicine</i> B.A., M.D. (Vanderbilt)	750 Harrison Avenue
DAVID H. PATTEN, <i>Research Fellow in Medicine</i> A.B. (Western Maryland); M.D. (University of Maryland)	150 South Huntington Avenue
RICHARD C. PILLARD, <i>Senior Teaching Fellow in Psychiatry</i> A.B. (Antioch), M.D. (Rochester)	591 Morton Street, Dorchester

DONALD PUGATCH, <i>Junior Teaching Fellow in Psychiatry</i> A.B., M.D. (Columbia)	750 Harrison Avenue
WILLARD S. PUTNAM, JR., <i>Junior Teaching Fellow in Medicine</i> A.B. (Harvard); M.D. (George Washington)	150 South Huntington Avenue
PHILIP S. REILLY, <i>Senior Teaching Fellow in Surgery</i> A.B. (Dartmouth); M.D. (Boston University)	818 Harrison Avenue
NICHOLAS C. REYNOLDS, <i>Senior Teaching Fellow in Surgery</i> A.B. (Harvard); M.D. (Boston University)	750 Harrison Avenue
EUGENE P. RIVERA, <i>Senior Teaching Fellow in Dermatology</i> A.B. (Brown); M.D. (Buffalo)	750 Harrison Avenue
JOSEPH ROSS, <i>Junior Teaching Fellow in Psychiatry</i> A.B., M.A., M.D. (Yale)	750 Harrison Avenue
KIRITI SARKAR, <i>Senior Teaching Fellow in Pathology</i> M.B.B.S. (Calcutta)	750 Harrison Avenue
MYRNA J. SCHEAR, <i>Senior Teaching Fellow in Neurology</i> B.S., M.D. (Cincinnati)	150 South Huntington Avenue
ILZE K. SCHWARTZ, <i>Junior Teaching Fellow in Psychiatry</i> A.B. (Vanderbilt); M.D. (Tufts)	750 Harrison Avenue
ROBERT SCHWARTZ, <i>Senior Teaching Fellow in Medicine</i> M.D. (Middlesex)	1017 River Street, Hyde Park
SYLVESTER R. SHERIDAN, <i>Junior Teaching Fellow in Psychiatry</i> A.B. (Fordham); M.D. (Columbia)	591 Morton Street, Dorchester
ROY M. SHULMAN, <i>Senior Teaching Fellow in Psychiatry</i> A.B. (Harvard); M.D. (New York Medical)	591 Morton Street, Dorchester
JEANNE C. SMITH, <i>Senior Teaching Fellow in Psychiatry</i> B.A. (Barnard); M.D. (Columbia)	750 Harrison Avenue
ELIZABETH C. SPIVACK, <i>Junior Teaching Fellow in Dermatology</i> A.B. (California, San Francisco); M.D. (Boston University)	818 Harrison Avenue
MARTIN L. SPIVACK, <i>Junior Teaching Fellow in Medicine</i> B.S. (Michigan); A.M., Ph.D., M.D. (Boston University)	150 South Huntington Avenue
DENISE J. STRIEDER, <i>Research Fellow in Medicine</i> M.D. (Paris)	15 Stoughton Street
THOMAS M. SWEENEY, <i>Junior Teaching Fellow in Dermatology</i> B.S. (Boston College); M.D. (Tufts)	750 Harrison Avenue
IAN TYSON, <i>Research Fellow in Medicine</i> B.Sc., M.B., Ch.B. (Edinburgh)	65 East Newton Street
MURRIE A. WEINGER, <i>Junior Teaching Fellow in Biochemistry</i> A.B. (Barnard)	80 East Concord Street
PHILIP S. WHITE, <i>Junior Teaching Fellow in Medicine</i> M.D. (Boston University)	750 Harrison Avenue
RICHARD L. WHITE, <i>Senior Teaching Fellow in Surgery</i> B.A. (Carleton); B.S. (South Dakota); M.D. (Minnesota)	63 Selkirk Road, Brighton
SIDNEY J. WINAWER, <i>Research Fellow in Pathology</i> A.B. (New York University); M.D. (State University of New York, Downstate)	818 Harrison Avenue
LOUIS C. WISLOCKI, <i>Senior Teaching Fellow in Medicine</i> B.A. (Swarthmore); M.D. (Washington University)	150 South Huntington Avenue
DONALD A. WOLOCHOW, <i>Research Fellow in Pathology</i> M.D. (Queen's, Canada)	818 Harrison Avenue

Standing Committees of the Faculty

July 1, 1963-June 30, 1964

EXECUTIVE COMMITTEE OF THE FACULTY

SYDNEY S. GILLIS, *Chairman*

ALBERT H. HEGNAUER, *Vice Chairman*

EDGAR E. BAKER

HENRY J. BAKST

BERNARD BANDLER

HENRY M. GOLDMAN

ARTHUR M. LASSEK

EARL R. LOEW

G. KENNETH MALLORY

LANGDON PARSONS

EDWARD W. PELIKAN

JEROME H. SHAPIRO

F. MAROTT SINEX

REGINALD H. SMITHWICK

ROBERT W. WILKINS

PHILIP D. BONNET, *ex officio*

LEWIS H. ROHRBAUGH, *ex officio*

ADMISSIONS COMMITTEE

ALBERT H. HEGNAUER, *Chairman*

WILLIAM E. R. GREER

CHESTER W. HOWE

FABIAN J. LIONETTI

ELIZABETH K. MOYER

LEONARD D. OSLER

STANLEY L. ROBBINS

JAMES C. SKINNER

ANNE GOWING, *ex officio*

ELEANOR TYLER, *ex officio*

ANIMAL CARE COMMITTEE

ALBERT H. HEGNAUER, *Chairman*

EVANGELOS T. ANGELAKOS

EDGAR E. BAKER

JOHN J. BYRNE

CHESTER W. HOWE

WILLIAM E. HUCKABEE

BOSTON MEDICAL QUARTERLY

EDITORIAL BOARD

LEONARD D. OSLER, *Chairman*

WILLIAM C. BARRETT, JR.

WILLIAM F. CROSKERY

DOUGLAS A. FARMER

FRANZ J. INGELFINGER

SEYMOUR A. KAUFMAN

LAMAR SOUTTER

SHIRLEY M. WILLIAMS, *Assistant Editor*

MILTON C. PAIGE, JR., *Business Manager*

COMMITTEE ON COMMITTEES

HENRY J. BAKST, *Chairman*

EARL R. LOEW

ELIZABETH K. MOYER

ELEANOR PAVENSTEDT

GEORGE P. WHITELAW

## FACULTY GRANTS COMMITTEE

FRANZ J. INGELFINGER, *Chairman*EVANGELOS T. ANGELAKOS  
CHESTER W. HOWE  
PETER J. MOZDENEDWARD W. PELIKAN  
F. MAROTT SINEX  
GERALD H. WHIPPLE

## GENERAL EDUCATION AND CURRICULUM COMMITTEE

ARNOLD S. RELMAN, *Acting Chairman*EDGAR E. BAKER  
BERNARD BANDLERJOHN J. BYRNE  
FRANZ J. INGELFINGERARTHUR M. LASSEK  
SYDNEY S. GELLIS, *ex officio*  
ELEANOR TYLER, *ex officio*

## HONORS COMMITTEE

EARL R. LOEW, *Chairman*

CHARLES P. EMERSON

MURRAY M. FREED

ALICE T. MARSTON  
ALBERT H. HEGNAUER, *ex officio*

## INTERNAL ADVISORY COMMITTEE ON THE SIX-YEAR PROGRAM

ALBERT H. HEGNAUER, *Chairman*

JOHN J. BYRNE

EDWARD W. PELIKAN

## JOINT ADVISORY COMMITTEE ON THE SIX-YEAR PROGRAM

J. PHILIP MASON, *Chairman*JOHN J. BYRNE  
MORTON BERMAN  
ALBERT H. HEGNAUER  
SOLOMON LIPPALBERT NAVEZ  
LOUIS ORZACK  
DONALD I. PATT  
EDWARD W. PELIKANSYDNEY S. GELLIS, *ex officio*  
RICHARD M. MILLARD, *ex officio*  
ELEANOR TYLER, *ex officio*

## NOMINATIONS COMMITTEE

ALBERT H. HEGNAUER, *Chairman*HENRY J. BAKST  
JOHN J. BYRNERICHARD CHUTE  
EARL R. LOEWSYDNEY S. GELLIS, *ex officio*

## RADIOACTIVE ISOTOPES COMMITTEE

BELTON A. BURROWS, *Chairman*  
F. MAROTT SINEX, *Vice Chairman*CHARLES P. EMERSON  
ALBERT H. HEGNAUERFABIAN J. LIONETTI  
ISADORE N. ROSENBERG

SCHOLARSHIPS, LOANS, AND AWARDS COMMITTEE

ELIZABETH K. MOYER, *Chairman*

JOHN J. BYRNE  
ANDREW D. ELIA

THOMAS F. SILVA, JR.  
THEODORE A. POTTER

ANNE GOWING, *ex officio*  
ALBERT H. HEGNAUER, *ex officio*  
EVERETT E. HICKS, *Consultant*

SPACE COMMITTEE

SIDNEY KIBRICK, *Chairman*

WILLIAM C. BARRETT, JR.  
BELTON A. BURROWS  
RICHARD D. BUSH

ROBERT KLEIN  
HERBERT MESCON  
WILLIAM C. ULLRICK

CHARLES A. KANE, *Consultant, ex officio*

STUDENT-FACULTY COUNCIL

RICHARD D. BUSH, *Chairman*

HENRY J. BAKST  
DOUGLAS A. FARMER  
ANNE GOWING

WILLIAM E. R. GREER  
SAMUEL E. LEARD  
ALICE T. MARSTON

Class Presidents, *Liaison Members*  
President of Student Council, *Liaison Member*

## Boston University

*"...excellence in education starts in the beginning and continues to the end of the road."*

Colleges and universities fulfill many functions in higher education. Boston University, a private educational institution, was placed in the heart of historic, cultural Boston in order to serve an expanding population, city, region, nation, and world. The major functions of this University are to bring to its students an education of depth and breadth with a balance of the "useful and liberal arts and sciences," and to teach students "... to live internationally, and thereby shape, in anticipation, tomorrow's global society." To accomplish this task, Boston University developed certain educational goals which continue to guide its academic progress. These goals are:

- to provide a foundation in the arts and sciences
- to ensure sound professional training
- to encourage research and the continual acquisition of new knowledge
- to promote individual growth
- to improve the educational facilities of the University
- to advance the public welfare



To accomplish its objectives on a day-to-day basis, the University creates new programs of study and research to meet the changing needs of students. And in this development, each of the fourteen Schools and Colleges was planned with you and your requirements in mind. Today, these objectives may be fulfilled in the following academic units:

School of Theology	Sargent College
School of Law	School of Social Work
School of Medicine	School of Nursing
College of Liberal Arts	School of Public Relations and Communications
Graduate School	College of Industrial Technology
College of Business Administration	Division of Continuing Education
Summer Term	College of Basic Studies
School of Education	School of Fine and Applied Arts

Boston University has over one hundred programs available. Each School and College has a different educational aim, and each program of study is designed to develop the talents of a student so that they may be employed to the best advantage in his chosen field upon graduation. Preprofessional preparation is available for those planning a career in the fields of law, medicine, theology, or social work. Many avenues in research and graduate education are open to advanced students.

*“ . . . college, university, and city.”*

At Boston University you become a part of three communities. First, you are a student in a single School or College — the immediate campus where you take the majority of courses and develop loyalty to the individual School. You also learn to know and value your instructors and form lasting friendships with fellow classmates and teachers.

Second, you are a member of the larger University community, utilizing the various libraries, athletic facilities, residence and dining halls, and a wider range of social and educational opportunities than that offered in the individual School or College. In addition, some academic programs offer elective courses taught by the faculties of schools and colleges other than your own.

Finally, you are a part of the city. This is so because Boston University is urban — by design and by location. The University contributes to and participates in the city's social, economic, intellectual, and cultural life. In return, the student and the University receive the benefits of Boston's rich resources and tradition — its libraries, museums, symphonies, theatres, and historic buildings and landmarks.

*“ . . . our primary business in the University is scholarship.”*

Within this setting of college, university, and city is the University faculty — a group of scholars representing many fields of knowledge. They are men and women dedicated in their teaching, and active in research, writing, professional activities, and community participation. Above all, they are interested in you as an individual and in your intellectual and cultural achievements.

Close student-faculty relations are encouraged at this University and are maintained through frequent personal contacts, which also help foster mutual respect between students and teachers. Social confidence, principles of citizenship, and new ethical and moral values will develop out of these relationships. Within the framework of the University, you will have every opportunity to emerge as a scholar and a leader.

*“ . . . the modern university lives in a universal context.”*

Sharing in this tri-community experience are your fellow students from every state in the Union and from more than eighty foreign countries. Your college days will be spent with people of all races and religious groups in the country, and from varying social and economic backgrounds.

The student body at Boston University is large and diversified. Yet you are able to maintain a small college identification and still share in the advantages and services offered by the larger University community.

The alumni of this University total over 75,000. These men and women are located in all parts of the world. A recent report indicates that among these graduates there are 2,200 doctors, 5,900 lawyers, 13,000 teachers, 2,900 ministers, 11,300 businessmen, and 1,100 nurses. In any area of professional or vocational leadership, one finds graduates of Boston University.

## History of the University

The origin of Boston University springs from the action taken at a convention of New England friends of improved theological training, held in Boston in April, 1839. For the next twenty-eight years the School thus founded conducted its work at Newbury, Vermont, and later at Concord, New Hampshire. In 1867 it was transferred to Boston where it was called the Boston Theological Seminary until it became the School of Theology in Boston University.

On May 26, 1869, the Commonwealth of Massachusetts made Isaac Rich (1801-1872), Lee Claflin (1791-1871), and Jacob Sleeper (1802-1889), their associates and successors, "a body corporate forever," under the name of the Trustees of Boston University. These three men were at that time respectively President, Vice President, and Treasurer of the Boston Theological Seminary. All three were men of affairs, with interests widening from particular lines of business into real estate and banking. They were men of earnest concern for the common good, of unquestioned integrity, and of substantial means.

In establishing Boston University as a means of promoting virtue, piety, and learning in the useful and liberal arts and sciences, these founders were moved by a long series of American and English activities for higher education, reaching back through a century or more to Lincoln College of Oxford University. As the text for the first Baccalaureate Discourse at Boston University, the first President, William Fairfield Warren, chose the ancient motto of Oxford University: *Dominus illuminatio mea*.

Today Boston University, composed of five graduate schools and nine undergraduate colleges and professional schools, stands as an enduring monument to its founders. It has developed in the spirit of broad tolerance and usefulness with which its founders endowed it. Its doors are open to men and women of all races and all religions.

In its beginnings Boston University provided a true educational barometer for its era. Within five years, by 1874, six additional units of instruction, located in the Beacon Hill area, were thriving: law, music, oratory, liberal arts, medicine, and

the graduate school of "all sciences." Young and vigorous, with high ideals of educational service, the University rapidly developed an increasingly competent faculty and a growing body of students. As Boston moved westward the University moved with it. The Copley Square area became its new center.

When World War I emphasized a need for more diversified professional education, the University answered with the establishment of new schools: business administration, education, religious education, and social service. In the heart of the city, within easy access of existing transportation and cultural offerings, the University acquired as its various homes buildings which best met the current need. Its rapid growth and diversification of educational programs created a lively procession of challenges and problems, each of which demanded immediate attention. The economic depression of the thirties, and the exigencies of World War II, delayed the planned consolidation of University facilities. Today, however, Boston University has located its educational plant along the historic Charles River. Academic and administrative facilities, residence halls, and science laboratories are centered here. The academic programs, likewise, have been coordinated and consolidated. Thus, students in each college have available to them the rich resources of all colleges of the University. Service through education is still today, as it was with its three founders, the keystone of Boston University.

## Campus Resources

### *Charles River Campus*

The undergraduate and graduate Schools and Colleges of the University are located on the Charles River Campus. The campus extends over 35 acres and stretches along between Commonwealth Avenue on one side and the historic Charles River on the other. To the west, beyond Boston University Bridge, is Boston University Field and new residence halls; to the east is Kenmore Square and other residence halls. The Daniel L. Marsh Chapel on the plaza quadrangle is the center of nonsectarian worship.

Within this span lie the University's classroom facilities, libraries, laboratories, residence halls, gymnasium, and administrative offices. The campus will include all the fourteen Schools and Colleges except for the medical school which is situated in the South End of Boston near its affiliated hospitals.

Against the Boston skyline one can see from a distance the towers and buildings of the University. Already visible is the redevelopment of the central campus with modern "high rise" buildings of 15 or 16 stories. The George Sherman Union has been completed, the Law-Education building is underway, and the third unit, the new University Library, is currently being planned. These buildings face the Charles River from the Bay State Road side of the campus and will be surrounded, wherever possible, by open, landscaped areas.

### Libraries

Boston University Libraries, comprising thirteen libraries and several departmental collections, serve all of the Schools and Colleges of the University. These libraries house over 550,000 volumes and subscribe to more than 3,000 periodicals. The resources are designed to serve not only the varied needs of undergraduate students but also the specialized needs of professional and graduate students engaged in research.

## Laboratories

Laboratories at the University provide for the disciplines ranging from the physical sciences to dramatic arts.

The physical sciences are served by biology, chemistry, and physics laboratories. The biology and physics laboratories have been relocated in new quarters with expanded modern facilities. Expansion and renovation of the chemistry laboratories was completed in July 1961. Medical science laboratory facilities have been increased by the new Medical Research Building.

Teaching and research laboratories are provided in the social sciences, humanities, languages, and the practicing arts. Psychology, mental health, and nursing laboratories as well as a computation center are also available. In dramatic arts the Boston University Theatre on Huntington Avenue, a full-sized modern professional theatre, serves as a workshop.

## Special Academic Units

The Human Relations Center, established in 1953, focuses on problems of change in group, intergroup, and community relationships through instruction, research, and *community service*; provides fellowships for the University's graduate students majoring in human relations; and offers consultation and collaboration with faculty members and with leaders and members of student organizations.

The African Studies program was established as a distinct unit in the Graduate School in 1953, for the purpose of contributing to our knowledge of Africa. Its activities are based on the belief that an effective contribution to the study of African affairs requires social scientists whose interest and understanding extend beyond the scope of a single discipline.

The Arts Center at the School of Fine and Applied Arts is oriented toward research, service, and teaching activities aimed at analyzing and improving the place of art in American society and the community.

The Law-Medicine Research Institute, the first institute of its kind in the United States (1958), conducts an interdisciplinary program of training, research, and service in the areas of law, medicine, and behavioral sciences.

## George Sherman Union

The newly erected Union building will be a center of campus life, providing a program of activities and services meeting cultural and social needs.

The extensive facilities include conference and meeting rooms, dining rooms, lounges, browsing library, music listening and TV viewing rooms, conference auditorium, craft and game areas, offices for student organizations, post office, bookstore, and information center.

## Conference and Education-Recreation Centers

**Sargent Camp.** Boston University Sargent Camp has a unique setting for a conference and education-recreation center. Located in Hancock and Peterborough in the Monadnock region of southern New Hampshire, it is 1,000 feet above sea level. Fields, woodland, and lake shore occupy 960 acres, with a 25-acre playfield and adjacent Half Moon Pond for water activities. The Camp is used by elementary schools for conservation and science education classes, by Sargent College students, and by University and New England community groups.

**Osgood Hill.** The Osgood Hill Conference Center is located in North Andover, Massachusetts, which is 30 miles north of Boston on Route 125. It is a 153-acre estate and is ideally organized to accommodate meetings and symposia. There are several large conference rooms and smaller functional rooms; facilities for overnight guests and meals are available.

**Seminar Center.** The Seminar Center, located at 152 Bay State Road with entrance from Sherborn Street, is an attractive four-story building available to the Schools and Colleges for seminars and short courses. Its relaxed, informal atmosphere is also enjoyed for meetings and conferences by faculty and student groups and other sponsored organizations.

## Students From Other Countries

The International Student Center at 182 Bay State Road serves as the focal point for international student services and programs on the campus. The director and staff of the Office of Foreign Student Affairs have responsibilities for advising admissions officers on foreign student applications, determining linguistic and financial qualifications and administration of immigration regulations concerning eligibility for study in this country. This includes extensions of stay, employment permits, enrollment status, attendance, withdrawals, and departures. The Center also provides special orientation programs and counseling services to assist students from abroad in adjusting to a new academic and cultural environment.

The social and cultural program of the Center includes a variety of activities for international students such as educational films, discussion groups, nationality dinners, guest speakers, folk and social dances, home hospitality, field trips, and informal receptions. The annual international festival provides an opportunity for students from countries around the world to display and interpret the arts, crafts, music, and drama of their cultures as a contribution to better international understanding. The Center furnishes information on study, work, and travel opportunities abroad, and maintains liaison with various governmental and private agencies concerned with educational exchange.

## Veterans

Anyone planning to register at Boston University under the sponsorship of the Veterans Administration must be certified in advance through the Boston University Veterans' and Selective Service Center for training under any of the following laws: Public Law 550 for Korean veterans, Public Law 894 for disabled Korean veterans, and Public Law 634, the War Orphans' Educational Assistance Act. The Center is located at 226 Bay State Road, Boston, and is open Monday through Friday, 9:00 A. M. to 4:45 P. M.

Information about veterans' affairs may be obtained by writing to the Director. Veterans should furnish complete details such as inclusive dates of their active duty, previous training under any of the laws mentioned, and other pertinent data.

Arrangements for entrance into training should be made two months prior to the beginning of the term or at the earliest possible date.

*Selective Service.* The Center is the official liaison between this University and all selective service boards, as well as the various components of the armed services. Any inquiries in this regard should be addressed to the Center.

## BOSTON UNIVERSITY MEDICAL CENTER

### TRUSTEE COUNCIL

JUDGE BAILEY ALDRICH

RICHARD P. CHAPMAN

HANS H. ESTIN, *Secretary*

JAMES M. FAULKNER

BRADLEY GAYLORD

BOONE GROSS

LOUIS J. HUNTER, *Treasurer*

JAMES B. MCINTOSH

JOHN S. PERKINS, *Vice Chairman*

JEROME PRESTON, *Chairman*

SIDNEY R. RABB

### ADMINISTRATIVE OFFICERS

LEWIS H. ROHRBAUGH, *Director, Boston University Medical Center; Provost for Medical Affairs, Boston University; Executive Vice President, Massachusetts Memorial Hospitals*

DENHOLM M. JACOBS, *Assistant Director, Boston University Medical Center*

PHILIP D. BONNET, *Administrator, Massachusetts Memorial Hospitals*

SYDNEY S. GELLIS, *Acting Dean, Boston University School of Medicine*

WILLIAM D. BROWN, *Public Relations Officer, Boston University Medical Center*

HERBERT D. KLEIN, *Plant Superintendent, Boston University Medical Center*

ROBERT N. JORDAN, *Financial Officer, Boston University Medical Center*

In recognition of the increasing interdependence of medical education, medical research, and health service, the Boston University Medical Center was established in 1962. Operating semiautonomously but as an integral part of the University, the Medical Center joins and consolidates the resources and activities of the Boston University School of Medicine and the Massachusetts Memorial Hospitals. Its affairs are managed by a Director and Trustee Council. The Director of the Medical Center also holds appointments as Provost for Medical Affairs at Boston University and as Executive Vice President of the Massachusetts Memorial Hospitals. Of the twenty authorized members of the Trustee Council, four are appointed from among the Trustees of Boston University and three from among the Trustees of the Massachusetts Memorial Hospitals.

Organizationally, the Boston University Medical Center has a number of affiliates in addition to its two constituent members. These affiliates at present include: Boston City Hospital, Robert Breck Brigham Hospital, Carney Hospital, Framingham Union Hospital, Huggins Hospital, Wolfeboro, N.H., Lemuel Shattuck Hospital, Medfield State Hospital, Monadnock Community Hospital, Peterborough, N.H., Douglas A. Thom Clinic for Children, Veterans Administration Hospitals in Boston, Brockton, and Providence, R.I., Worcester Foundation for Experimental Biology.

Established for the broad purpose of promoting and maintaining better health in contemporary society, the Center has as one of its early goals the increase of medical student enrollment in order to help meet the national shortage of physicians. In order to accomplish this and other important goals, plans are now being drawn for a major development program for the Center.

## School of Medicine

In 1873 Boston University established the School of Medicine, merging the New England Female Medical College which had been founded in 1848 as the first medical college for women in the world. In 1962 the School of Medicine became a constituent member of the Boston University Medical Center. It is situated in the South End of Boston between the Boston City Hospital and the Massachusetts Memorial Hospitals.

The School of Medicine offers a four-year program in medicine leading to the M.D. degree, a six-year program in medicine leading to the A.B. and M.D. degrees, programs leading to the A.M. and Ph.D. degrees in the Division of Medical Sciences of the Graduate School, and graduate training programs in dentistry leading to the M.Sc.D. degree.

Because of the School's small enrollment, candidates are attracted by the dual advantages of comparatively small classes which afford opportunity for more personal contact with members of the faculty, and the benefits of study in a great medical center such as Boston where there are unlimited possibilities for clinical instruction, externships in affiliated and neighboring hospitals, and stimulating and interesting part-time jobs.

The School is widely known for the course offered in Social and Environmental Medicine (Home Medical Service) which is conducted by the Department of Preventive Medicine of the School of Medicine and the Home Medical Service of the Massachusetts Memorial Hospitals.

A Law-Medicine Research Institute, the first of its kind in the United States, has been established at the University. The Institute has established a program of research and training in the interdisciplinary areas of law and medicine and the behavioral sciences.

The many intensive research projects which are being conducted offer numerous opportunities to students with investigative talents.

Boston University School of Medicine is known for the outstanding interrelationship between the study body and members of the faculty. Its purpose is the

advancement of the knowledge and practice of medicine through increased wisdom, finer skill, and a broader appreciation and understanding of man.

## Clinical Facilities

### *The Boston City Hospital*

The Boston City Hospital is located adjacent to the School of Medicine. Its bed capacity is upwards of 1,809, and the daily average number of patients treated is approximately 1,265. The annual number of patients treated in the outpatient department is more than 83,364.

The teaching facilities are shared with the medical schools of Harvard University and Tufts University. Boston University teaching is conducted on the wards of the Fifth and Sixth Medical Services, the Third Surgical Service, and the Obstetrical and Pediatric Services. In addition, teaching is done in certain divisions of the outpatient department.

### *Massachusetts Memorial Hospitals*

Massachusetts Memorial Hospitals, incorporated in 1855, is a nonsectarian, general hospital of the medical-center type, operated on a voluntary, nonprofit basis. Patient accommodations are available for 360 adults and children and 40 infants. Most of the members of the hospital staff are also on the faculty of the School of Medicine.

**Patient Care.** Hospital and medical care is provided for acute medical, surgical, and obstetrical conditions by the members of fifteen separate medical and surgical staffs, representing all the major divisions of medicine and most of the specialties.

Thirty-five outpatient clinics providing ambulatory care and treatment to those who cannot afford a private physician are held regularly. With the cooperation of Boston University School of Medicine, a Home Medical Service provides medical care in the home to the indigent sick in Boston's South End area.

**Education.** Massachusetts Memorial Hospitals serves as a principal teaching hospital for Boston University School of Medicine. Close relationships and adjacent physical facilities provide convenient access to personnel and resources of both institutions.

The hospital is approved for internship training by the Council on Medical Education and Hospitals of the American Medical Association. All residencies and assistant residencies are either approved by the Council or are in the approval process.

The hospital also conducts courses for medical and X-ray technologists, and field work affiliations for social service workers, dietitians, administrators, and ministers.

**Research.** A comprehensive research program including basic and applied projects is carried on in the Evans Memorial Department of Clinical Research and Preventive Medicine and in the Smithwick Foundation on surgical research. Extensive investigations encompass the fields of cardiovascular disease, cancer, radioactive isotopes, hematology, gastroenterology, clinical immunology, infectious diseases, metabolism and endocrinology, and radiology.

With these inclusive activities in the care of sick people, medical education, and research, the Massachusetts Memorial Hospitals has designed its program to integrate medical care, with emphasis on research and education, by developing and extending its service not only in the hospital, but also in the office, the clinic, and the home.

### ***Pondville Hospital***

The Pondville Hospital, located in Walpole, is one of the State-supported hospitals for cancer patients. Outpatient facilities have also been made available for student teaching. A clinical clerkship of four weeks is offered to a limited number of fourth-year students.

### ***Boston State Hospital***

Located in Mattapan and operated under the aegis of the Massachusetts Department of Mental Health, this large, modern institution is well equipped in every way for the study and care of the mentally ill and offers exceptional opportunities for teaching.

### ***Lemuel Shattuck Hospital***

The Lemuel Shattuck Hospital, located in Jamaica Plain, is a State-supported institution for the medical care of chronic disease. It is a special rehabilitation hospital where residents of Massachusetts who have been disabled by injury or chronic illness can be made well enough to become self-sufficient and self-supporting. Its research and training programs and staff appointments are under the direction of a Deans' Committee. Instruction of Boston University students is carried out on various services including advanced medicine, radiology, surgery, and physical medicine.

### ***Veterans Administration Hospitals***

The Boston Veterans Administration Hospital, located in Jamaica Plain, is a well-equipped, 950-bed general hospital. Its training program and medical staff appointments are under the direction of a Deans' Committee consisting of the Deans of Boston University School of Medicine, Tufts University School of Medicine, and Harvard Medical School. The teaching facilities are shared with the first two of these schools. Instruction of Boston University students is carried out on the medical, surgical, psychiatric, and neurological services.

The Providence Veterans Administration Hospital, located in Providence, Rhode Island, has 393 beds assigned to various specialties. A clinical clerkship in surgery on an elective basis is available to Boston University students.

### ***Huggins Hospital***

Located in Wolfeboro, New Hampshire, this is a well-equipped hospital of a 60-bed capacity, fully approved by the American College of Surgeons. It serves a wide rural area.

### ***The Faulkner Hospital***

Located in Jamaica Plain, this is a voluntary, non-profit hospital serving medical, surgical, and obstetrical patients with a capacity of 145 beds and 24 bassinets. It also operates a school of nursing.

An active and excellent teaching program, based on a combination of academic medicine and medicine as seen in general practice, is conducted by the hospital.

Our third-year students attend regularly scheduled conferences in radiology, and a clinical clerkship of one month is offered in both medicine and radiology to our fourth-year students.

### ***Pratt Clinic-New England Center Hospital***

Located in downtown Boston, this hospital is the principal teaching base for Tufts University School of Medicine with 250 beds equally divided between medicine and surgery. Clinical teaching of students, house staff, and postgraduate physicians is an integral part of the hospital program. Activities of the various groups carrying out clinical and laboratory investigation in the adjoining Ziskind Research Building bring the house staff into frequent contact with problems under study.

A one-month clinical clerkship in infectious diseases is offered to a limited number of our fourth-year medical students.

### ***Douglas A. Thom Clinic for Children***

A pioneering agency in the application of mental health concepts to the raising of young children, the Clinic serves principally children of grade school age with emotional and behavioral disorders of varying degrees of severity. It receives support for its community service from the United Fund, local trust funds, and patients' fees. Its research and training programs are supported by Public Health Service grants. Special areas of interest are family interaction and diagnosis, anti-social behavior in young children, the role of separation from mother in the child's adaptation to nursery school, and day-care mental retardation and group therapy with fathers. The Clinic works closely with other child and family care agencies in the Greater Boston area. It is approved for training in child psychiatry by the American Board of Psychiatry and Neurology and is a training center of the American Association of Psychiatric Clinics for Children.

### ***The James Jackson Putnam Children's Center***

The James Jackson Putnam Children's Center is a child guidance clinic which gives psychiatric, diagnostic, and treatment services to infants and preschool children (and their parents) suffering from emotional problems and personality deviations. A nursery school is run as part of the clinic. The numbers accepted are not large because treatment given is very intensive and the research aspects

of the work are emphasized. It is partially supported by grants from the United Community Services, of which it is a member, and derives the rest of its income from foundations and private individuals. The Center works in close professional cooperation with child-serving agencies of Greater Boston, hospitals, doctors, and others interested in the emotional problems of the preschool child.

## Libraries

The Library of the School is located on the second floor of the administration building in close proximity to classrooms and laboratories. It contains approximately 40,000 volumes and receives regularly in the neighborhood of 850 current periodicals and serial publications. All the important indexing publications are available. Well-selected monographs as well as new journal titles are constantly being added to the files. Equipment is available for the use of microfilms and microcards as well as photocopying. Extensive interlibrary loan service is maintained with distant cities and locally with messenger service between the Boston Medical Library and the University's libraries, as well as with the libraries of Harvard Medical School and Tufts University School of Medicine. A well-trained staff is on hand to give aid to the reader. The Library serves the Boston University Medical Center and several teaching services of the Boston City Hospital. A small branch library is housed on the sixth floor of the Evans Memorial.

During the second semester of the freshman year, round-table instruction in medical bibliography is given to groups of ten to twelve students. A bibliographical laboratory is set up enabling each student to explore the books under discussion. Following this instruction, each group is required to prepare a paper on a topic assigned by the Department of Biochemistry as a part of the laboratory work of this course. In the second year, the student prepares a paper covering some phase of Pharmacology based on the current literature, and in the third year each student writes a thesis in Medicine. Outstanding Medicine III papers are catalogued and become part of the collection.

The Boston Medical Library located at 8 The Fenway is one of the largest medical libraries in the United States. Its facilities are available to medical students and those in good standing are eligible for student membership at a fee of \$5 a year.

### Library Hours

During the school year:

Monday-Friday

8:00 A.M.-11:00 P.M.

Saturday

9:00 A.M.- 5:00 P.M.

Sunday

2:00 P.M.- 6:00 P.M.

June, July, and August:

Monday-Friday

8:00 A.M.-10:00 P.M.

Vacation periods:

Monday-Friday

9:00 A.M.- 5:00 P.M.

Saturday

9:00 A.M.-12 NOON

Holidays:

Closed

# Admission and Degree Requirements

## Four-Year Program (M.D.)

### *Admission Requirements*

A candidate for admission to the School of Medicine should send his application to the Boston University School of Medicine, Office of Admissions, 80 East Concord Street, Boston 18, Massachusetts. Applications for the following year will be reviewed by the Admissions Committee as soon as school opens in the fall. Every attempt will be made to review the candidate's application as early as possible. The application fee is \$10. Candidates who are accepted to the School of Medicine will be required to pay a deposit fee of \$100. If the student withdraws his acceptance after May 15, this fee will not be refunded except under unusual circumstances.

Applicants are required to have a Bachelor of Arts or Bachelor of Science degree from an approved college of arts and sciences. Occasionally, a candidate of unusual ability is accepted after attendance for three academic years in an undergraduate school if he has satisfactorily completed the minimum entrance requirements of 90 semester credits including the following courses:

English composition (1 year)	Organic chemistry (8 credits)
Literature (1 year)	Physics (8 credits)
General chemistry (8 credits)	Biology (8 credits)
Chemical quantitation (see below)	

A knowledge of quantitation in chemistry is required. In some colleges, these methods are taught in general chemistry or organic chemistry. If they are not, the student should take a course in quantitative analysis.

All students must take the Medical College Admission Test and should communicate directly with The Psychological Corporation, 304 East 45th Street, New York 17, New York, for information concerning these examinations. Applicants are urged to secure a broad experience in the humanities and the social sciences in their college years. It is recommended that they do not try to anticipate subjects that will be required in medical school.

Candidates should be under thirty years of age. The faculty is not inclined to admit students from professional or graduate schools, except under special circumstances.

### ***Advanced Standing***

Admission to the second- or third-year class is possible for those who meet the entrance requirements and who have satisfactorily completed courses in another U. S. medical school that are the equivalent of those offered in this School. Applicants for advanced standing to the third-year class are required to pass the Part I Examination of the National Board of Medical Examiners, 133 South 36th Street, Philadelphia 4, Pennsylvania.

### ***Students From Other Countries***

Students from other countries or American students at foreign schools are not considered eligible for admission to the first-year class unless they have satisfactorily completed at least one year of study in a college of arts and sciences approved by the Council on Medical Education and Hospitals of the American Medical Association. Transfer applicants are not admitted to the second-year class. Candidates for advanced standing to the third-year class must pass the Part I Examination of the National Board of Medical Examiners before a definitive acceptance can be given.

### ***Degree Requirements***

Every candidate for the degree of Doctor of Medicine at this University must be at least twenty-one years of age and of good moral character. He must have fulfilled all the requirements for admission to this School; give evidence of having been enrolled in a recognized medical school for at least four full academic years, two of which must have been spent in the regular third- and fourth-year courses of this School; have passed all the required examinations; and have discharged all financial obligations to the University.

Every candidate is also required to take the Part I and Part II Examinations of the National Board of Medical Examiners.

The degree of Doctor of Medicine is awarded on recommendation of the faculty and may be granted *cum laude*, *magna cum laude*, or *summa cum laude* in recognition of outstanding academic achievement.

### Six-Year Program of Liberal Arts and Medical Education (M.D.)

The School of Medicine and the College of Liberal Arts together offer a six-year program leading to the A.B. and M.D. degrees. Qualified seniors in secondary schools may apply for admission into this program and, if accepted, are admitted to the College of Liberal Arts and the School of Medicine simultaneously.

The students' first two years are spent in the College of Liberal Arts in courses designed primarily for this program. First-year medical studies begin with the third year. Acceleration is made possible by the utilization of summers for the completion of liberal arts requirements.

Liberal arts and medical courses are interrelated to eliminate repetitive course offerings, and an effective continuity of program is afforded because of the common background of the premedical study of the students enrolled.

Applicants must have a high quality of academic achievement and must offer four years of English, four years of mathematics, two years of a foreign language, and one year each of chemistry, history, and physics. All applicants must take the College Board Scholastic Aptitude Test and the Achievement Tests in the areas of English, science, and foreign language. The program is open to both men and women.

Application for this six-year program should be made to Boston University, Office of Admissions, 705 Commonwealth Avenue, Boston 15, Massachusetts.

### Graduate Program in Dentistry (M.Sc.D.)

Every candidate for the degree of Master of Science in Dentistry must be a graduate of a recognized dental school awarding a degree of Doctor of Dental Surgery or Doctor of Dental Medicine. He must have fulfilled all the requirements for admission to the Department of Stomatology, Boston University School of Medicine, and have completed all the prescribed courses of graduate study in the department with a minimal scholastic average of 80 per cent. In addition, he must complete an approved research project, including an acceptable thesis.

He must be of good moral character and have discharged all financial obligations to the University.

## Promotion

### **Promotion Committees**

Promotion committees are appointed for the first, second, and third years. It is the duty of these committees to promote those qualified; to warn students whose work is unsatisfactory; in certain cases to require that students repeat a year's work or to recommend that students withdraw from the School. A student wishing to appeal a committee decision will be given opportunity to appear for a hearing at a special meeting held within two weeks of the committee's action. Applications for a hearing should be sent to the Adviser on Admissions and Student Affairs.

The Committee on Promotion constitutes the final authority on student ratings, and no final grades are issued by any department before the action of the committee for the particular year.

### **Rules Governing Promotion:**

1. The faculty reserves the right to require the withdrawal of any student at any time when, in the opinion of his instructors, he is unfit to continue his course.
2. An average of 75 per cent or more with no grade below 70 per cent in any subject is required for promotion or graduation.
3. If a student has a grade below 70 per cent in one or more subjects, he must, before promotion, obtain a satisfactory grade in those subjects by re-examination or repetition of the course as determined by the Committee on Promotion. *As a general policy no re-examination will raise the grade above 70 per cent.*
4. If a student is unable to attain a weighted average of 75 per cent by means of such re-examinations, the Committee on Promotion shall determine disposition. Past dispositions have included termination of enrollment for poor scholarship, permission to repeat acceptable courses in summer session wherever available, and permission to repeat the entire year.

# Financial and General Information

## University Fees 1963-64

The tuition paid by the students covers only part of the instructional and operating costs of the University. The balance is met by endowment income and contributions from the alumni and other friends of the University.

Tuition is payable either to Bursar's representatives at time of registration or at the Office of the Bursar, Speare Hall, 755 Commonwealth Avenue. Make all checks payable to Boston University.

Tuition and fees are payable in full at time of registration; however, the University has two plans for deferred payment (see section on Deferred Payment).

No student may withdraw in good standing unless all current obligations to the University are paid.

The Trustees of the University reserve the right to change tuition rates or fees at their discretion whenever it is deemed advisable.

### *Tuition Fees*

Four-Year Program .....	\$1,500*
Six-Year Program .....	\$1,750*

### *Schedule of Payments*

Tuition is payable in four equal installments, with the first installment due on registration day. Subsequent due dates are:

#### *Fourth-Year Class*

October 1, 1963	January 20, 1964	April 1, 1964
-----------------	------------------	---------------

#### *First-, Second-, Third-Year Classes*

November 5, 1963	January 20, 1964	April 1, 1964
------------------	------------------	---------------

*A service charge of \$10 is made to students who do not pay their tuition within a week after the date set for each payment.*

Students are reminded that the refund policy on withdrawals is as shown on page 68, regardless of the payment schedule above..

\*Tuition deposits are credited to the second installment of tuition charges (see section on Admission).

**Service Charges**

In addition, there are several service charges which may affect a student:

Application for admission.....	\$10
Graduation fee	
M.D. degree (payable with the first tuition payment of the fourth year) . . .	\$25
M.Sc.D. degree.....	\$20
Medical insurance (required) .....	Varies by plan
Medical insurance is provided by a separate student Blue Cross insurance in which membership is compulsory. Blue Shield is optional.	
Transcript (no charge for first request).....	\$1
When two or more transcripts are ordered at the same time, the first copy is \$1 and each additional copy is \$.50. The fee must accompany the transcript order.	
Late registration and payment (\$3 for part-time student).....	\$10
Reissue of I.D. card (\$1 for part-time student).....	\$5

The student will be assessed at actual cost for any breakage or damage to University property. Library fines will be assessed by the librarian.

All fees are nonrefundable with the exception of the graduation fee if the student fails to graduate.

**National Board Fees**

These fees are payable directly to the National Board of Medical Examiners, 133 South 36th Street, Philadelphia 4, Pennsylvania.

Part I and registration, including subscription fee of \$1 to <i>The Diplomat</i> . . .	\$25
Part II, including <i>The Diplomat</i> .....	\$20

**Deferred Payment**

Boston University offers two plans for deferred payment.

1. *Tuition Plan, Inc.* For those students and parents who wish to make payments on a monthly basis, the services of Tuition Plan, Inc. are available through the Office of the Bursar. Deferred payment contracts for full-time students must be signed by a parent or guardian. To use this plan, a student must register for a minimum of 4 credits in each semester (fall and spring). The number of monthly payments varies from 8 to 72, depending on whether the contract with Tuition Plan, Inc. is for one, two, three, or four years of education.
2. *University Deferment Plan.* Students who attend the University for only one semester, who register for less than 4 credits in each semester, or who for any reason do not qualify for deferred payment under the Tuition Plan, Inc., as outlined above, may register with a two-thirds tuition payment at the time of registration. The balance of one-third is due within five weeks following the

first day of classes. A University fee of \$10 for a full-time student and \$3 for a part-time student will be charged for the use of this plan.

### ***Overdue Tuition Accounts***

Students whose accounts are in arrears under either the Tuition Plan, Inc. or the University Deferment Plan will be notified by the Bursar. If the student continues to be in arrears, he will be subject to suspension from the University.

## Registration

Registration is conducted under the direction of the Office of the University Registrar. The student will receive detailed instructions from the School of Medicine concerning the procedure to be followed during the published dates for registration.

Every student must register during the official registration period, the dates for which are set forth in the printed calendars in the front of this bulletin.

A fee of \$10 for a full-time student and \$3 for a part-time student will be charged if a student does not register during the official period. In no event may a student register later than one week immediately following the official registration period without the written approval of the Dean or other authorized person of the School.

### ***Withdrawal from the School***

To receive a credit on his tuition account, any student registered in the School of Medicine who finds it necessary to withdraw from his course of study must submit a formal notice, in writing, to the Office of Admissions. When his withdrawal has been duly processed and the Bursar of the University so notified, his account will be credited as follows:

Withdrawal within two weeks of registration	80 per cent of tuition charge
Withdrawal within three weeks of registration	60 per cent of tuition charge
Withdrawal within four weeks of registration	40 per cent of tuition charge
Withdrawal within five weeks of registration	20 per cent of tuition charge
Withdrawal five weeks after registration	No credit allowed

*Application for reinstatement must be made at least four months prior to the date of readmission and for favorable action must be approved by the Committee on Promotion. After two years, favorable action will not usually be taken.*

## Scholarships, Loans, and Awards

Scholarship funds are available and are awarded annually on the basis of industry, proved ability, and need. Loans are also available. Applications for scholarships or loans for a given academic year should be submitted between September 1st and October 1st to the Office of Admissions.

### *Scholarship Funds*

**Avalon Foundation Scholarships (1961).** Given by the Avalon Foundation, to be granted to medical students on basis of need and scholastic attainment.

**Jacob Bailen Scholarship Fund (1960).** Income awarded annually to a student in the School of Medicine.

**Bailey Crane Fund (1906).** Income from the estate of Elizabeth Bellamy Bailey, to be used for scholarships for women.

**Lucius Clapp Fund (1901).** Income from the estate of Lucius Clapp, for scholarships.

**Harry Cline Memorial Scholarship (1956).** Income awarded annually to a first-year student in the School of Medicine, without restriction as to race, creed, or color.

**Charles S. Cummings Scholarship Fund (1960).** Income awarded annually to a student in the School of Medicine.

**Dr. Emil Custer Fund (1924).** Income used for scholarships.

**Julia F. Fillebrown Fund (1904).** Income used for scholarships for women.

**Morris Fruitman Scholarship Fund (1949).** Income from the estate of Morris Fruitman and Mrs. Fruitman, to assist needy and worthy students.

**The Garfield Fund (1915).** Fund established by Dr. I. Tisdale Talbot, a former Dean of the School of Medicine, for scholarships.

**Dr. Clara E. Gary Fund (1924).** Fund established by Dr. Gary for scholarships.

**E. Gordon Glass Memorial Fund (1954).** Income awarded annually to a student who has demonstrated qualities of high ideals and motivation.

**Dr. William D. and Annie Lee Horton Bequest (1930).** Income used for scholarships for young men of Catholic faith.

**Abigail W. Howe Fund (1906).** Income used for scholarships.

**Alberico Masucci (Class of 1930) Memorial Scholarship Fund (1960).** Established by his widow. Income awarded annually to a student, preferably of Italian background, in the School of Medicine.

**John M. Murray Scholarships (1963).** To be awarded to two medical students on the basis of character and need.

**Dr. Gerald Pollin Memorial (1963).** Established by his parents, Mr. and Mrs. Dan Pollin. Two \$500 scholarships to be awarded annually to students, preferably in the third or fourth year of the School of Medicine, who demonstrate special interest or proficiency in the basic science of psychiatry.

**Solomon and Lena Ratner Fund** (1961). Income used for scholarships.

**Stephen Stickney Fund** (1905). A gift from Mrs. Mary M. H. Spaulding to establish scholarships for women.

**Mae and Benjamin Swig Fund** (1943). Awarded annually to worthy and deserving students.

**Nettie O. Tassie Fund** (1948). Income for scholarships for women from the estate of Nettie O. Tassie through the interest of Dr. Mabel C. Sisson, Class of 1899.

**Clara A. Thacher Fund** (1903). Bequest for the establishment of a scholarship fund.

**The Wade Fund** (1873). Transfer from The New England Female Medical College for the establishment of scholarships for women.

**Helen West Fund** (1938). Income for scholarships from the estate of Dr. Helen West of the Class of 1896.

**Maria L. D. Wilson Fund** (1905). Income for a scholarship for women from the estate of Mrs. Maria L. D. Wilson.

### *Loan Funds*

**Alumni Loans** (1962). Granted by the Alumni Association of Boston University School of Medicine.

**Edward E. Allen Fund** (1925). Established by vote of the Advisory Committee of the School of Medicine in memory of Dr. Edward E. Allen, a former Registrar of the School of Medicine.

**Bartol Fund** (1942). Established by Miss Dorothy Bartol. Loans to women medical students.

**Frank and Fannie Bernstein Memorial Loan Fund** (1961). Income used for loans to needy students.

**Charles H. Hood Dairy Foundation Fund** (1942). Loans to students of advanced standing.

**Charles H. Howard Loan Fund**. Loans from this fund available to any student in the University.

**W. K. Kellogg Foundation Fund** (1942). A permanent loan fund for the aid of medical students.

**James Lawlor Fund** (1957). Staff of the former Otis General Hospital in memory of Dr. James Lawlor.

**George W. Merck Memorial** (1959). Established by The Merck Company Foundation. Awards may be made to graduates of Boston University School of Medicine wherever they are in training or to graduates of other medical schools who are in training at hospitals associated with Boston University School of Medicine. Every award shall be in the form of a loan to be repaid to the University. Applications will be considered by the Scholarships, Loans, and Awards Committee.

**John Bertolet Rhoads Fund (1960).** Established by the Rhoads family in memory of their son, a medical student (1957-59). To be used for loans to medical students.

**George Russell Fund (1884).** Established by Dr. George Russell. Loan fund for medical students with no loan to exceed \$50.

**School of Medicine Loan Fund (1948).** Established by a friend of the School and subsequently augmented by other friends for loans to medical students.

**Moses Jacob Stone Fund (1953).** Miriam C. Stone in memory of her husband, Dr. Moses Jacob Stone. Loan fund for students in need of financial assistance while attending medical school.

**Student Aid Foundation Fund (1942).** Loans from this fund available to medical students.

**Fenno Tudor Fund (1886).** Under the will of Mrs. Fenno Tudor. Loan fund for women medical students with no loan to exceed \$50.

*In addition, there are numerous other loan funds not under the control of the University but from which loans are awarded on the recommendation of University authorities. Information concerning these funds may be secured in the Office of the Adviser on Admissions and Student Affairs.*

### ***Awards***

**Alumni Awards.** The Alumni Association of Boston University School of Medicine presents prizes of \$300, \$200, and \$100 to the three students with the highest scholastic standings in each of the four classes.

**Class of 1930 Award (1960).** Annual award to the freshman with the highest scholastic average.

**Masakichi Itabashi Award (1953).** Established as a memorial by the family and friends of the late Masakichi Itabashi for the purpose of increasing our knowledge of cancer and furthering research in this field. An annual prize of \$50 may be awarded for the best undergraduate thesis on the subject of cancer.

**Malamud Prize in Psychiatry (1963.)** Awarded to the fourth-year student who best grasps the basic science of psychiatry as demonstrated by his work with, and understanding of, patients both within the Division of Psychiatry as well as in other clerkships.

**John M. Murray Prize (1963).** Awarded annually to the fourth-year student at Boston University School of Medicine for the best four-year performance in psychiatry, with special attention to the clinical work and any elective work that the student might have undertaken.

**Harry Weinstein Prize in Internal Medicine (1948).** Established by Dr. Louis Weinstein as a memorial to his father. An award of \$50 to be presented annually to the medical student graduating with the best scholastic record in internal medicine.

## Fellowships

**Summer Research Training Fellowships.** Fellowships and research assistantships for students interested in research training during the summer months are available. A student should contact the faculty member under whom he wishes to work in early February. The faculty member may then apply to the Research Fellowship Subcommittee for an award. The chairman of this subcommittee may be of assistance in making contact between students and faculty interested in this program. At present, the Chairman is Dr. F. Marrott Sinex. In addition to the fellowship program, several members of the faculty employ students on grants. Some of these grants may be used to pay students for part-time employment during the academic year.

**Postsophomore Fellowships.** It is possible for a student to devote a year to training in laboratory research after either his sophomore or junior year. Support for such a program is relatively easy to obtain, provided that application is made sufficiently early. The student should contact the chairman of the department in which he is interested in working. Information on possible sources of support is available in the office of the Chairman of the Research Fellowship Subcommittee. Before reaching a decision to spend a year in laboratory research, the student should discuss his plans with the Assistant Dean.

**Postdoctorate Research Training Fellowships.** The research program at Boston University is rapidly expanding. There are opportunities in almost every department of the School, and the departmental chairmen can provide information about specific research programs. Financial support for qualified individuals may often be obtained. The chairman of this subcommittee maintains a file on possible sources of support. The School has several training grants and maintains training programs in the fields of cancer, cardiovascular disease, neurology, experimental pathology, psychiatry, human genetics, and gastroenterology.

## General Information

### *Internships*

Most state examining and licensing boards require a year of internship in an approved hospital in addition to the regular four-year course. All fourth-year students are urged to participate in the National Intern Matching Program. The appointments obtained by last year's graduating class appear in connection with the class lists published in this Bulletin.

### *Microscopes*

In addition to prescribed instruments and textbooks, all students are required to provide themselves with a standard medical microscope, equipped with 5x and 10x oculars, four objectives (oil immersion, 4mm, 16mm, and a lower power objective of 25-32 mm focal length), a mechanical stage, and a microscope lamp.

***Transcripts***

Each graduate or former student of the School of Medicine is entitled free of charge to one complete transcript of his academic record. The charge for subsequent transcripts will be \$1 for the first and \$.50 for each additional transcript requested at any one time, with the fee payable in advance. These transcripts are confidential records forwarded to the agency requesting them and not to the alumnus himself. The name and address of the agency should be sent to the Office of the Recorder, 80 East Concord Street, Boston 18, Massachusetts.

***Absence***

A student who is absent from school assignments must inform the Recorder promptly of the reason for the absence and its expected duration.

## Student Life and Services

Boston University recognizes each student as an individual with particular needs. Although the student's intellectual and professional education and growth are always the center of any university's concern, a variety of personal services must also be provided for the student to assist him in matters of health, housing, and opportunities for work.

Student life at Boston University represents a planned combination of social, intellectual, and professional development. The University recognizes the value of religious, social, cultural, and recreational activities, provides many opportunities for their enjoyment, and considers them an integral part of a college education.

Students in the School of Medicine are free to participate, whenever the time schedule permits, in University student activities offered in physical education and intercollegiate athletics, dramatics, musical organizations, and student publications.

### *Student Government*

Since Boston University feels that student participation in campus life is an important part of the educational process, it encourages student government at various levels and in all student activities.

Each School and College has its own government composed of representatives from each class. The college Student Council regulates the student affairs within its own college. A University-wide governing body known as the Student Congress, with representation from each School and College, seeks (1) to involve the student in a responsible way in the life of the community, (2) to serve as the means for the free expression of student opinion regarding University affairs as well as local, national, and international issues relevant to the student-citizen, and (3) to unite the student community through helping students feel part of the educational process.

### *Student Council*

The School of Medicine Student-Faculty Council, consisting of representatives from the faculty and all four classes, meets twice a month throughout the academic year. Its aim is to promote social activities between the classes and act in an

advisory capacity to students and faculty. The Council also functions as a liaison between students of other colleges in the University and other medical schools.

### Student Organizations

Alpha Omega Alpha is an honorary society, and Alpha Kappa Kappa, Phi Chi, Phi Delta Epsilon, Phi Lambda Kappa, and the Student American Medical Association are national medical organizations with chapters at Boston University School of Medicine. The Begg Society is Boston University School of Medicine's honorary society. The Gregory Society is an organization for women medical students. Boston University School of Medicine Wives Club was organized in 1948. Representatives from the School of Medicine serve on the Boston University Student-Faculty Assembly and the Hub Board, which publishes the student yearbook.

### Religious Life

From its very beginning Boston University has been committed to a positive appreciation for the religious values in both our history and contemporary culture. To emphasize the affirmative role of religion in the life and thought of this academic community, the University has created the United Ministry, which coordinates the work of the Dean of the Chapel, and the Protestant, Roman Catholic, and Jewish chaplains.

Boston University welcomes students from all religious groups in America, and also students from overseas with various religions. Therefore, the United Ministry emphases are the Brotherhood Program and training in interfaith cooperation. Through seminars, joint projects, lectures, and symbolic observances the Student Christian Association (Protestant), Newman Club (Catholic), and Hillel Foundation (Jewish) make their cooperative contributions to the religious life of the campus.

Other organized Christian student groups on campus include the Orthodox Club, a Christian Science Organization, the Liberal Religious Youth, and an Intervarsity Christian Fellowship.

Marsh Chapel stands at the geographic center of the University, affirming openly the important place of religion in higher education. The Chapel maintains a strong ecumenical witness. It works within the framework of the Christian tradition with its roots in the Hebrew faith before it, and more specifically within the Protestant tradition in its most profound and universal dimensions, without any denominational character. It ministers to those of every faith, and to those of no faith, who wrestle with the ultimate human questions; and it intends that all people—faculty, students, and townspeople—shall be welcome and feel spiritually at home.

The Chapel Program includes student-guided daily prayers, Bible study, seminars on religious and related issues, projects of humanitarian service, and a service of worship every Sunday. The main sanctuary and smaller Robinson chapel are available to the University family for weddings, memorial services, funerals, and individual and group worship.

The offices of the Dean are located in the Chapel; the Protestant chaplain's headquarters are at 185 Bay State Road; the Roman Catholic center is at 211 Bay State Road; and the Jewish house is at 233 Bay State Road. Chaplains in all these places are available for counseling and assistance of many kinds. All students are welcome to come to any of them.

### Student Health Service

The Student Health Service for medical students is available at the Health Clinic of the Massachusetts Memorial Hospitals under the immediate direction of Dr. Constance C. Cornog, Health Officer for the Hospitals. It has been necessary to separate this Service from the regular University Student Health Service because of difficulties caused by the distance between the School of Medicine and other units of the University.

A Health Statement will be sent to each applicant upon acceptance by the School of Medicine. It is requested that this be filled out and returned *before registration day*. On admission to the School, all students are given a complete physical examination by physicians assigned by the Student Health Service.

Sick students who are ambulatory may be seen daily from 8:00 A.M. to 10:00 A.M., or in emergencies at other hours at the Evans Memorial Examining Room. Sick students who are nonambulatory should report their condition to Dr. Cornog.

All students in the School of Medicine are covered by a compulsory hospitalization insurance. The cost of this insurance is payable on registration. This insurance provides full coverage of all hospital charges.

### Housing

Housing information is available at the Office of Admissions, School of Medicine, or the Office of Housing and Food Service, 232 Bay State Road, Boston.

The University has apartments for housing married graduate students studying full-time whose wives, or wives and children, are accompanying them to Boston. It is suggested that application be made at least six months in advance for September occupancy and two months in advance for Summer Term occupancy. Application forms and additional information will be sent upon request by writing to the Office of Housing and Food Service, 232 Bay State Road, Boston 15, Massachusetts.

Off-campus listings for both single and married students may be obtained in person at the housing office.

### Bookstores

As a service to students and the University community, Boston University maintains several bookstores and supply shops at strategic points throughout the University. A supply store is located in the basement of Building C of the School of Medicine.

## Courses of Instruction

The curriculum is arranged in a more or less traditional pattern with most of the first two years devoted to the preclinical sciences, the last two years being essentially clinical in nature. Various opportunities, however, have been developed for early associations of a clinical nature. Psychiatry, for example, begins in the first year and continues throughout the curriculum. Ample opportunity for elective courses is provided mainly in the third and fourth years.

### Anatomy

ARTHUR M. LASSEK, Ph.D., M.D., *Waterhouse Professor of Anatomy; Chairman of the Department*

WILLIAM C. BARRETT, JR., Ph.D., *Associate Professor of Anatomy*

GEORGE CLARK, Ph.D., *Associate Research Professor of Anatomy*

JOHN D. IFFT, Ph.D., *Associate Professor of Anatomy*

ELIZABETH K. MOYER, Ph.D., *Associate Professor of Anatomy*

WILLIAM F. McNARY, JR., Ph.D., *Assistant Professor of Anatomy*

### Required Courses

#### FIRST YEAR

The entire program of the first semester is devoted to the study of the anatomy of the human body. For this purpose the students study the gross and microscopic structure in a sequence that is designed to give the maximal amount of correlation.

**Gross Anatomy.** Four students dissect one human body. Although the subject is treated in its broadest aspects, emphasis is placed upon points of clinical importance. Each week roentgenological and clinical correlation lectures with demonstrations are presented by practicing physicians. In addition, selected anatomical movies are shown.

DRS. MOYER, McNARY, LASSEK, BARRETT, IFFT 280 hours, first semester

**Microanatomy.** Human microscopic anatomy comprises a study of cells, tissues, and organs. The correlation of structure with function is emphasized as are the basic aspects of human development. Loan collections provided.

DRS. BARRETT, IFFT 160 hours, first semester

**Neuroanatomy.** The human brain and spinal cord studied by means of dissection, demonstrations, and prepared specimens. A study of the distribution and function of the more important fiber-tracts based upon microscopic examination of sections of brain-stem and spinal cord.

DRS. LASSEK, BARRETT, IFFT 80 hours, first semester

## Biochemistry

F. MAROTT SINEX, Ph.D., *Professor of Biochemistry; Chairman of the Department*  
 WILLIAM C. BOYD, Ph.D., *Professor of Immunochemistry*  
 JOSEPH M. LOONEY, M.D., *Research Professor of Biochemistry*  
 HERBERT H. WOTIZ, Ph.D., *Professor of Biochemistry*  
 ISAAC ASIMOV, Ph.D., *Associate Professor of Biochemistry*  
 FABIAN J. LIONETTI, Ph.D., *Associate Professor of Biochemistry*  
 KARL SCHMID, Ph.D., *Associate Professor of Biochemistry*  
 JOHN M. FOSTER, Ph.D., *Assistant Professor of Biochemistry*  
 CARL FRANZBLAU, Ph.D., *Assistant Professor of Biochemistry*  
 ROBERT L. HERRMANN, Ph.D., *Assistant Professor of Biochemistry*  
 SABIT GABAY, Ph.D., *Assistant Research Professor of Biochemistry*  
 MILTON MAGER, Ph.D., *Assistant Research Professor of Biochemistry*  
 JOHN T. MILLER, Ph.D., *Assistant Research Professor of Biochemistry*  
 MARVIN H. WINKLER, Ph.D., *Assistant Research Professor of Biochemistry*  
 REINHARD FRICKE, M.D., *Research Associate in Biochemistry*  
 YASUO FUJISAKI, Ph.D., *Research Associate in Biochemistry*  
 TOKUJI IKENAKA, Ph.D., *Research Associate in Biochemistry*  
 KATSUTOSHI ISHIHARA, Dr.Sc., *Research Associate in Biochemistry*  
 TAKASHI OKUYAMA, Ph.D., *Research Associate in Biochemistry*  
 MEI SATAKE, M.D., *Research Associate in Biochemistry*  
 SHIZUKO TAKAHASHI, M.D., *Research Associate in Biochemistry*  
 KATUHIKO TOKITA, M.D., *Research Associate in Biochemistry*  
 BRENDA G. FONER, M.D., *Research Instructor in Biochemistry*  
 BRONIUS BASKYS, Ph.D., *Assistant in Biochemistry*  
 BATSHEVA BONNE, A.M., *Senior Teaching Fellow in Biochemistry*  
 NORMAND L. FORTIER, B.A., *Senior Teaching Fellow in Biochemistry*  
 HORACE F. MARTIN, M.S., *Senior Teaching Fellow in Biochemistry*  
 SATI C. CHATTORAJ, M.S.C., *Junior Teaching Fellow in Biochemistry*  
 JOHN H. CHEN, B.S., *Junior Teaching Fellow in Biochemistry*  
 JOHN DILL, S.B., *Junior Teaching Fellow in Biochemistry*  
 EDWIN L. GRAB, B.S., *Junior Teaching Fellow in Biochemistry*  
 MARY E. HERON, B.A., *Junior Teaching Fellow in Biochemistry*  
 JEAN LENNOX, B.A., *Junior Teaching Fellow in Biochemistry*  
 SAM A. MARGOLIS, M.S., *Junior Teaching Fellow in Biochemistry*  
 MURRIE A. WEINGER, A.B., *Junior Teaching Fellow in Biochemistry*

### Required Courses

#### FIRST YEAR

The biochemistry course attempts to orient the student in the nature of the chemical processes which occur in the living cell. Particular emphasis is placed on enzymes, and the function of the nucleus, mitochondria, and microsomes in metabolism. Clinical experience is anticipated when possible. Genetics, immunochemistry, and radiation chemistry are introduced. An attempt is made to give the student a sufficiently good grounding in biochemistry to be able to understand future advances in medicine.

THE STAFF

282 hours, second semester

## Microbiology

EDGAR E. BAKER, Ph.D., *Professor of Microbiology: Chairman of the Department*

SIDNEY KIBRICK, M.D., *Associate Professor of Microbiology*

ALICE T. MARSTON, Ph.D., *Associate Professor of Microbiology*

MATTHEW A. DEROW, M.D., Ph.D., *Assistant Professor of Microbiology*

ROBERTA E. WHITESIDE, Ph.D., *Assistant Research Professor of Microbiology*

CHARLES G. COLBURN, M.D., *Lecturer on Microbiology*

ANDRÉ J. NAHMIAS, M.D., *Research Associate in Microbiology*

JOSEPHINE A. MORELLO, Ph.D., *Research Instructor in Microbiology*

### Required Courses

#### SECOND YEAR

The course in microbiology covers three interrelated fields: bacteriology, including viruses, rickettsiae, and fungi; immunology; and parasitology. The three fields are taught as a unit but for catalogue purposes are described here separately.

The aim is to impart an understanding of the etiology and pathogenesis of the infectious diseases of man, the general characteristics of the infectious process, and the technical procedures by which this knowledge is acquired and infectious diseases are diagnosed in the laboratory. The public health aspects of the various infectious diseases are considered with particular reference to epidemiology and preventive medicine.

Laboratory instruction includes the elements of bacteriological technique, observation of the characteristic properties of the more common microorganisms cultivable in the laboratory, and experiments illustrating certain principles in pathogenesis, diagnosis, and specific treatment of infectious diseases.

**Bacteriology.** The characteristics of the principal bacteria infectious for man considered in detail; limited consideration of rickettsiae, fungi, and viruses of importance in human disease. THE STAFF 165 hours, first semester

**Immunology.** Principles and mechanisms of immunologic phenomena and their bearing on the host-parasite relationship considered both separately and in relation to bacteriology and parasitology. THE STAFF 30 hours, first semester

**Parasitology.** Aims to familiarize the student with the important diseases due to animal parasites, with special attention to those of importance in the United States and its possessions. Essential knowledge concerning biology, epidemiology, and clinical and laboratory diagnosis of diseases due to animal parasites presented through lectures and laboratory exercises. THE STAFF 45 hours, first semester

### Extension Course

**Advanced Microbiology for Medical Technicians.** Includes lectures and laboratory work. A previous course in elementary bacteriology and a working knowledge of general techniques used in diagnostic laboratories required. The instructor in charge determines the applicant's fitness to participate in the course. Enrollment limited.

Mondays and Thursdays, 7 to 9 P.M. 15 weeks, January through May. Fees: Full course — \$65 (including laboratory). Lectures only — \$30.

Course is offered in odd numbered years. DR. ALICE T. MARSTON

## Pathology

G. KENNETH MALLORY, M.D., *Professor of Pathology; Chairman of the Department*  
 STANLEY L. ROBBINS, M.D., *Professor of Pathology; Vice Chairman of the Department*  
 IRA GORE, M.D., *Professor of Pathology*  
 DONALD A. NICKERSON, M.D., *Clinical Professor of Pathology*  
 HERBERT FANGER, M.D., *Associate Professor of Pathology*  
 JAMES H. GRAHAM, M.D., *Associate Clinical Professor of Pathology*  
 LESLIE S. JOLLIFFE, M.D., C.M., *Associate Professor of Pathology*  
 CESARE G. TEDESCHI, M.D., *Associate Professor of Pathology*  
 WILLIAM FREEMAN, M.D., *Assistant Professor of Pathology*  
 RUDOLF OSGOOD, M.D., *Assistant Professor of Pathology*  
 DAVID SKINNER, M.D., *Assistant Professor of Pathology*  
 RICHARD FORD, M.D., *Lecturer on Legal Medicine*  
 IRVING GLICKMAN, D.M.D., *Lecturer on Dental Pathology*  
 LEONARD S. GOTTLIEB, M.D., *Lecturer on Pathology*  
 SAMUEL B. BURGESS, M.D., *Associate in Pathology*  
 MAX GOODMAN, M.D., *Associate in Pathology*  
 GEOFFREY P. KEANE, M.D., *Associate in Pathology*  
 JOSEPH SERONDE, JR., M.D., *Research Associate in Pathology*  
 NORMAN ZAMCHECK, M.D., *Research Associate in Pathology*  
 CHARLES N. CURTIS, M.D., *Instructor in Pathology*  
 GEORGE W. CURTIS, M.D., *Instructor in Pathology*  
 JACOB DYCKMAN, M.D., *Instructor in Pathology*  
 LANSING C. HOSKINS, M.D., *Research Instructor in Pathology*  
 JOHN S. McGOVERN, M.D., *Instructor in Pathology*  
 RUSSELL F. TYLER, M.D., *Instructor in Pathology*  
 JAMES E. FITZGERALD, JR., M.D., *Assistant in Pathology*  
 ROBERT G. FLETCHER, M.D., *Assistant in Pathology*  
 JAMES HARROP, B.S., *Assistant in Pathology*  
 JOHN H. MEEKER, M.D., *Assistant in Pathology*  
 SELWYN A. BROITMAN, Ph.D., *Research Fellow in Pathology*  
 SIDNEY J. WINAWER, M.D., *Research Fellow in Pathology*  
 DONALD A. WOLOCHOW, M.D., *Research Fellow in Pathology*  
 ROBERT EMRICK, M.D., *Senior Teaching Fellow in Pathology*  
 KIRITI SAKAR, M.B.B.S., *Senior Teaching Fellow in Pathology*  
 WILLIAM HENDRY, M.D., *Junior Teaching Fellow in Pathology*  
 ELLEN M. MAHER, M.D., *Junior Teaching Fellow in Pathology*

### Required Courses

#### SECOND YEAR

**General and Special Pathology.** General pathology deals with the fundamentals of pathology. Lectures and textbook work supplemented by an intensive course in histopathology and by the study of preserved and fresh specimens. Special pathology deals with the phenomena of diseases as they affect the various organs and systems, emphasis being placed on clinical-pathological relationships. Fresh and preserved material studied to correlate histopathology with gross and clinical findings. DR. MALLORY and  
 ASSOCIATES

138 hours, first semester;

132 hours, second semester

## THIRD YEAR

**Clinical-Pathological Conferences.** One hour each week devoted to a consideration of case histories depicting major pathological entities. Cases discussed from the standpoint of differential diagnosis and treatment. Pathological and X-ray findings presented. Free discussion by students and visiting clinicians invited. DR. MALLORY and ASSOCIATES 32 hours

**Legal Medicine.** Course of lectures. One hour each week. DR. FORD and ASSOCIATES 12 hours

**Practical Pathology.** Each group visits the Mallory Institute of Pathology three times a week for four weeks. Necropsies demonstrated and surgical pathology reviewed. *Class in sections.* DR. MALLORY and ASSOCIATES 36 hours

## Elective Course

## FOURTH YEAR

A four-week elective course from October through April is offered at the Mallory Institute of Pathology. Not more than two students can be accepted for any one month. Its purpose is to allow those electing it to see all surgical and autopsy material and participate in all conferences during that period. Each student in this elective course must provide himself with an adequate microscope. DR. ROBBINS

## Pediatrics

SYDNEY S. GELLIS, M.D., *Professor of Pediatrics: Chairman of the Department*

ROBERT KLEIN, M.D., *Professor of Pediatrics*

MORRIS PRIZER, M.D., *Associate Clinical Professor of Pediatrics*

CHARLES V. PRYLES, M.D., *Associate Professor of Pediatrics*

H. ARTHUR BERSON, M.D., *Assistant Professor of Pediatrics*

SUE BUCKINGHAM, M.D., *Assistant Research Professor of Pediatrics*

WILLIAM B. ROTHNEY, M.D., C.M., *Assistant Professor of Pediatrics*

GABRIEL J. RUBIN, M.D., *Assistant Professor of Pediatrics*

JOHN T. BOWERS, JR., M.D., *Instructor in Pediatrics*

SIDNEY BRODIE, M.D., *Clinical Instructor in Pediatrics*

A. NATHAN CAPLAN, M.D., *Instructor in Pediatrics*

MARIAN K. CHUAN, M.S., *Instructor in Social Work*

ROBERT A. DRISCOLL, M.D., *Instructor in Pediatrics*

DAVID INGALL, M.D., *Instructor in Pediatrics*

GEORGE KAHN, M.D., M.P.H., *Instructor in Pediatrics*

JEROME O. KLEIN, M.D., *Instructor in Pediatrics*

NINA LITTON, M.D., *Instructor in Pediatrics*

ANN L. N. MOORE, B.S., *Instructor in Nursery School Education*

JAMES W. REDMOND, M.D., C.M., *Instructor in Pediatrics*

JOHN P. TREANOR, JR., M.D., *Instructor in Pediatrics*

HOWARD WEINTRAUB, M.D., *Instructor in Pediatrics*

FRANCIS J. WENZLER, M.D., *Instructor in Pediatrics*

FREDERICK G. WHORISKEY, M.D., *Instructor in Pediatrics*

MARION E. WIER, M.D., *Instructor in Pediatrics*

LAWRENCE I. BENNETT, M.D., *Assistant in Pediatrics*

BERNARD A. BERMAN, M.D., *Assistant in Pediatrics*  
 ARNOLD D. FIASCONE, M.D., *Assistant in Pediatrics*  
 ROBERT FRANKLIN, M.D., *Assistant in Pediatrics*  
 JORDAN B. GREENFIELD, M.D., *Assistant in Pediatrics*  
 MANUEL INGALL, M.D., *Assistant in Pediatrics*  
 LEON E. KRUGER, M.D., *Assistant in Pediatrics*  
 JOHN B. LYNCH, M.D., *Assistant in Pediatrics*  
 GLENNA L. McDONOUGH, M.D., *Assistant in Pediatrics*  
 ALAN ZISKIND, M.D., *Assistant in Pediatrics*  
 JEAN H. GRIFFIN, M.D., *Senior Teaching Fellow in Pediatrics*

### Required Courses

The instruction in this department includes lectures on growth and development, nutrition, diseases of nutrition, and pathological conditions not covered in the other sections of general medicine. Clinical instruction is given in the hospital wards or outpatient departments and clinical clerkships in the various departments of the hospital.

The didactic instruction is completed in the third year and clinics in the hospital and outpatient department are begun. The work of the fourth year is entirely clinical.

#### THIRD YEAR

**Lectures.** Lectures on growth and development and particular problems encountered in infancy and childhood. DR. GELLIS and ASSOCIATES 15 hours

**Ward Teaching.** Morning and afternoon ward teaching exercises, conferences, and seminars held at Boston City Hospital and Massachusetts Memorial Hospitals. *Class in sections.* THE STAFF 48 hours

#### FOURTH YEAR

**Clinical Pediatrics.** Sections assigned to the Pediatric Service of Boston City Hospital for clinical work on wards, in outpatient department, teaching rounds, and conferences. THE STAFF 200 hours, 4 weeks

## Pharmacology and Experimental Therapeutics

EDWARD W. PELIKAN, M.D., *Professor of Pharmacology: Chairman of the Department*  
 CHARLES J. KENSLER, Ph.D., *Professor of Pharmacology*  
 CONAN KORNETSKY, Ph.D., *Research Professor of Pharmacology*  
 JOSEPH COCHIN, M.D., Ph.D., *Associate Professor of Pharmacology*  
 RUTH R. LEVINE, Ph.D., *Associate Professor of Pharmacology*  
 VINCENT LANZONI, M.D., *Assistant Professor of Pharmacology*  
 EARL H. DEARBORN, Ph.D., M.D., *Lecturer on Pharmacology*  
 WILLIAM E. HUCKABEE, M.D., *Lecturer on Clinical Pharmacology*  
 WALTER W. JETTER, M.D., *Lecturer on Toxicology*  
 ALBERT J. PLUMMER, Ph.D., M.D., *Lecturer on Pharmacology*

### Required Courses

#### SECOND YEAR

**Medical Pharmacology.** Lectures, conferences, demonstrations, and laboratory exercises utilized to present the pharmacological properties, toxic manifestations, and therapeutic applications of those agents important in the practice of medicine. Particular emphasis placed on general principles and on quantitative aspects of the subject. THE STAFF 197 hours, first semester

## Physiology

EARL R. LOEW, Ph.D., *Professor of Physiology; Chairman of the Department*  
 ALBERT H. HEGNAUER, Ph.D., *Professor of Physiology*  
 EVANGELOS T. ANGELAKOS, Ph.D., M.D., *Associate Professor of Physiology*  
 DAVID E. BASS, Ph.D., *Associate Research Professor of Physiology*  
 WILLIAM C. ULLRICK, Ph.D., *Associate Professor of Physiology*  
 JOSEPH C. TORRES, Ph.D., *Assistant Professor of Physiology*  
 CLIFFORD V. NELSON, Ph.D., *Lecturer on Biophysics*  
 CARLOS J. GONZALEZ-AUVERT, M.D., *Associate in Physiology*  
 FRANK D. BARTLETT, JR., Ph.D., *Instructor in Physiology*  
 HERBERT L. KAYNE, Ph.D., *Instructor in Physiology*  
 PETER M. GLASSMAN, A.B., *Research Fellow in Physiology*

### Required Courses

#### FIRST YEAR

Lectures and conferences on functional activity of organ systems and on factors controlling metabolism of body fluids, with emphasis upon homeostatic mechanisms involved. Laboratory experiments relate to fundamental phases of irritability and mechanisms regulating physiology of cardiovascular system, body fluids, respiration, digestion, excretion, and central nervous system. Introduction to methods of statistical analysis included. With cooperation of clinical staff, hospital patients are presented and discussed once a week with emphasis placed on correlation of physiological and biochemical principles with pathology and medicine. THE STAFF 294 hours, second semester

## Radiology

JEROME H. SHAPIRO, M.D., *Professor of Radiology; Chairman of the Department*  
 SEYMOUR A. KAUFMAN, M.D., *Associate Professor of Radiology*  
 DONALD B. DARLING, M.D., *Assistant Professor of Radiology*  
 LLOYD E. HAWES, M.D., *Assistant Professor of Radiology*  
 MARJORIE J. LEMAY, M.D., *Assistant Clinical Professor of Radiology*  
 MARTIN B. LEVENE, M.D., *Assistant Clinical Professor of Radiology*  
 SAUL SCHEFF, M.D., *Assistant Professor of Radiology*  
 EGON G. E. WISSING, M.D., *Assistant Professor of Radiology*  
 ERNEST A. BRAGG, JR., M.D., *Instructor in Radiology*  
 PAUL MASSIK, M.D., *Instructor in Radiology*  
 RICHARD E. NOON, M.D., *Instructor in Radiology*  
 CHARLES R. STEWART, M.D., *Instructor in Radiology*  
 PATRICIA A. McLELLAN, M.D., *Assistant in Radiology*  
 ROBERT H. RAY, M.D., *Assistant in Radiology*  
 MELVIN TEFFT, M.D., *Assistant in Radiology*

### Required Courses

#### FIRST YEAR

**Normal Roentgenologic Anatomy.** Demonstrations of skeletal and visceral appearances given concurrently with gross anatomical dissection of the part. DRs. KAUFMAN, SCHEFF, and ASSOCIATES 15 hours, first semester

## THIRD YEAR

**Radiology Lectures.** Begins with lectures on the physics of ionizing radiation and radiation biology. Major portion of course devoted to illustrated lectures on roentgenographic appearance of disease. THE STAFF 15 hours

**Radiology Seminars.** Class divided into sections which have a two-hour session each week. Sections rotate through Massachusetts Memorial Hospitals, Faulkner Hospital, Lemuel Shattuck Hospital, and Boston Veterans Administration Hospital. *Class in sections.* DRs. KAUFMAN, HAWES, LEVENE, WISSING 16 hours

## Elective Course

## FOURTH YEAR

**Radiology.** During fourth year, elective course in radiology offered to a limited number of students for a period of four weeks, full time, in the Department of Radiology of Massachusetts Memorial Hospitals, Boston Veterans Administration Hospital, or Faulkner Hospital. DRs. KAUFMAN, SCHEFF, HAWES, WISSING, LEVENE

## Division of Health Conservation

HENRY J. BAKST, M.D., *Professor of Preventive Medicine; Chairman of the Division*  
PHILIP D. BONNET, M.D., *Clinical Professor of Hospital Administration*  
WILLIAM J. CURRAN, LL.M., S.M.Hyg., *Edward R. Ulley Professor of Legal Medicine*  
LEON R. LEZER, M.D., M.P.H., *Clinical Professor of Preventive Medicine*  
EDWARD G. DREYFUS, M.D., M.P.H., *Associate Professor of Preventive Medicine*  
WILLIAM E. R. GREER, M.D., *Associate Professor of Occupational Medicine*  
CONSTANCE C. CORNOG, M.D., *Assistant Professor of Preventive Medicine*  
MURRAY M. FREED, M.D., *Assistant Professor of Rehabilitation Medicine*  
WESLEY G. WOLL, JR., M.D., *Assistant Clinical Professor of Physical Medicine*  
JOHN F. CONLIN, M.D., M.P.H., *Lecturer on Preventive Medicine*  
GEORGE M. LANE, M.D., *Lecturer on Occupational Medicine*  
HAROLD M. STERLING, M.D., *Lecturer on Rehabilitation*  
EMIL H. HARTL, Ph.D., *Research Associate in Rehabilitation*  
LAMSON BLANEY, M.D., *Instructor in Occupational Medicine*  
DEBORAH H. BARUS, M.S., *Instructor in Medical Social Work*

### Required Courses

The department is responsible for instruction in preventive medicine and public health, for the supervision and instruction of students during the period in which they administer medical care to indigent patients at home, and for instruction in rehabilitation and physical medicine as well as in occupational medicine. The department endeavors to make students aware of their responsibility to the individual patient and to the community in the prevention of illness and the maintenance of health, of the proper relationship and mutual assistance between the private physician and public health agencies, and of the importance of social and environmental factors in disease prevention and health promotion. The department has a strong clinical orientation which is of importance in the presentation of preventive medicine from a clinical point of view. An introduction to biostatistics is presented during the first and second years by arrangement with other departments. Most of the formal instruction by the department is in the third year and includes the course in preventive medicine and public health, occupational health, and rehabilitation and physical medicine. In the fourth year students spend a month under the supervision of the department administering medical care to indigent patients in their homes in the area surrounding the School.

## THIRD YEAR

**Preventive Medicine and Public Health.** Consideration of environmental sanitation epidemiology and preventive aspects of communicable diseases, child and adult hygiene, chronic disease, official and voluntary health agencies and the relationship between these agencies and private physician, social and environmental factors in illness, and important aspects of medical care and medical economics. Every effort made to stress importance of preventive medicine not only from standpoint of community but particularly from standpoint of individual patient with whom the private physician is concerned. Instruction given by the staff of the department and visiting specialists by lectures, seminars, and clinics. DR. BAKST and ASSOCIATES 64 hours

**Occupational Health.** Introduction to field of occupational health designed to provide a fundamental understanding of health problems associated with occupation and to delineate areas of effective control. Defines needs and scope of occupational medicine, legal and social attitudes, fundamentals of industrial medical practice, and principles of industrial medical service organization. Industrial safety, common industrial diseases, and health problems given special emphasis. DRs. GREER, LANE, and ASSOCIATES 16 hours

**Rehabilitation Medicine.** The nature, treatment, and prognosis of physical disabilities systematically discussed on the basis of case presentations. These include consideration of the immediate and ongoing medical direction of patients with conditions such as arthritis, amputations, spinal cord injuries, and degenerative disorders of the neuromuscular and musculoskeletal systems. Specific techniques and procedures related to physical medicine and rehabilitation in the management of patients reviewed, including methods of diagnosis and treatment, physical and occupational therapy, social and emotional adjustment of the handicapped, and speech therapy. DRs. FREED, WOLL and ASSOCIATES 16 hours

**Legal Aspects of Medical Practice, Organized Medical Care, and Health Programs.** Introduction to medico-legal problems in medical practice and in organized medical care and public health programs. Opens with an orientation to legal and governmental procedures of significance in medicine. Some of the subjects examined: legal aspects of medical practice such as medical licensure, medical partnerships and group practice, the medical societies, patient contracts, personal liability, etc.; public health law; government controls in medical science and medical care programs; legal and psychiatric tests of criminal and civil responsibility; legal and moral problems in family relations including euthanasia, artificial insemination, birth control, suicide, etc. PROFESSOR CURRAN and ASSOCIATES 16 hours

## FOURTH YEAR

**Social and Environmental Medicine (Home Medical Service).** Students assigned in groups of four to six for period of one month to this service, conducted by the Department of Preventive Medicine of the School of Medicine and the Home Medical Service of Massachusetts Memorial Hospitals. Medical care furnished in the home by students to indigent patients in a district (population approximately 56,000) surrounding Boston City Hospital and Massachusetts Memorial Hospitals. Annually approximately 16,000 home visits made to about 5,000 patients. Care of patients carefully supervised by resident physicians and members of the department so that more problems can be adequately cared for in the home. Much assistance afforded by the Visiting Nurse Association, South End Health Unit of the Boston City Health Department, and Social Service

Department of Massachusetts Memorial Hospitals. Patients requiring hospitalization are hospitalized in Boston City Hospital or Massachusetts Memorial Hospitals where their follow-up by students on the Service can be continued. Daily conferences on clinical aspects of cases seen in the district conducted in addition to special conferences on psychosomatic and social service problems. Social and environmental factors in illness, unusually prominent in these patients, stressed. DR. BAKST and ASSOCIATES  
200 hours, 4 weeks

### Elective Courses

#### FOURTH YEAR

**Social and Environmental Medicine (Home Medical Service).** Fourth-year students afforded an opportunity to elect an additional month of assignment to this Service.

**Rehabilitation and Physical Medicine.** A clinical clerkship covering practical aspects of treatment, patient care, evaluation of disability, rehabilitation rounds stressing "team approach," clinical investigation, and research projects is available to one or two persons for a period of one month. Lemuel Shattuck Hospital. DR. WOLL

**Physical Medicine and Rehabilitation.** Clinical clerkship of one month's duration in the Massachusetts Memorial Hospitals divided equally between the inpatient and ambulatory services. Patient problems represent physical impairments related to musculoskeletal and neuromuscular disorders. The clinical clerk admits and follows certain assigned patients and meets daily with the chief of service to discuss patients' problems and care. One student accepted for each period. Massachusetts Memorial Hospitals. DR. FREED.

**Public Health.** Arrangements may be made for a two-month clerkship in public health practice and administration for those students who may be interested in this field. With cooperation of the Massachusetts Department of Public Health opportunity provided to develop firsthand experience in a state and local health department as well as to participate in supervised public health projects of a limited nature. Arrangements must be made in advance with DR. BAKST.

# Division of Medicine

## Medicine

ROBERT W. WILKINS, M.D., *Professor of Medicine; Chairman of the Division*  
FRANZ J. INGELFINGER, M.D., *Conrad Wesselhoeft Professor of Medicine*  
KERMIT H. KATZ, M.D., *Clinical Professor of Medicine*  
ARNOLD S. RELMAN, M.D., *Professor of Medicine*  
MAURICE B. STRAUSS, M.D., *Professor of Medicine*  
FRANK N. ALLAN, M.D., *Associate Clinical Professor of Medicine*  
BELTON A. BURROWS, M.D., *Associate Professor of Medicine*  
ALAN S. COHEN, M.D., *Associate Professor of Medicine*  
CHARLES P. EMERSON, M.D., *Associate Professor of Medicine*  
BERNARD I. GOLDBERG, M.D., *Associate Professor of Medicine*  
MEYER H. HALPERIN, M.D., *Associate Clinical Professor of Medicine*  
DANIEL HOLZMAN, M.D., *Associate Professor of Medicine*  
SIDNEY KIBRICK, M.D., *Associate Professor of Medicine*  
JAMES C. MELBY, M.D., *Associate Professor of Medicine*  
HENRY N. ROSENBERG, M.D., *Associate Clinical Professor of Medicine*  
ISADORE N. ROSENBERG, M.D., *Associate Professor of Medicine*  
ELMER C. BARTELS, M.D., *Assistant Clinical Professor of Medicine*  
CHARLES D. BONNER, M.D., *Assistant Clinical Professor of Medicine*  
NORMAN H. BOYER, M.D., *Assistant Professor of Medicine*  
HAROLD L. CHANDLER, M.D., *Assistant Professor of Medicine*  
RAJENDRA G. DESAI, Ph.D., *Assistant Professor of Medicine*  
ROBERT M. DONALDSON, JR., M.D., *Assistant Professor of Medicine*  
EDWARD G. DREYFUS, M.D., M.P.H., *Assistant Professor of Medicine*  
BRUCE C. FERGUSON, M.D., *Assistant Professor of Medicine*  
FRANK P. FOSTER, M.D., C.M., *Assistant Clinical Professor of Medicine*  
GERALD J. HINE, Ph.D., *Assistant Professor of Medicine*  
WILLIAM HOLLANDER, M.D., *Assistant Professor of Medicine*  
WILLIAM E. HUCKABEE, M.D., *Assistant Professor of Medicine*  
PHILIP KRAMER, M.D., *Assistant Professor of Medicine*  
SAMUEL E. LEARD, M.D., *Assistant Professor of Medicine*  
NORMAN G. LEVINSKY, M.D., *Assistant Professor of Medicine*  
JULIUS LITTER, M.D., *Assistant Clinical Professor of Medicine*  
AARON MILLER, M.D., *Assistant Professor of Medicine*  
IVER S. RAVIN, M.D., *Assistant Clinical Professor of Medicine*

D. WARD SLINGERLAND, M.D., *Assistant Professor of Medicine*  
FRITZ STECKERL, M.D., *Assistant Research Professor of Medicine*  
GEORGE W. WARING, JR., M.D., *Assistant Clinical Professor of Medicine*  
EDWARD J. WELCH, M.D., *Assistant Clinical Professor of Medicine*  
GERALD H. WHIPPLE, M.D., *Assistant Professor of Medicine*  
THEODORE B. BAYLES, M.D., *Lecturer on Medicine*  
JOHN B. CADIGAN, M.D., *Lecturer on Medicine*  
ALBERT I. C. DEFRIEZ, M.D., *Lecturer on Medicine*  
HERMAN A. LAWSON, M.D., *Lecturer on Medicine*  
ORRIN LEVIN, M.D., *Lecturer on Medicine*  
JOHN P. RATTIGAN, M.D., *Lecturer on Medicine*  
IRVING W. SCHILLER, M.D., *Lecturer on Medicine*  
CARLTON R. SOUDERS, M.D., *Lecturer on Medicine*  
RICHARD P. STETSON, M.D., *Lecturer on Medicine*  
JAMES S. STILLMAN, M.D., *Lecturer on Medicine*  
LOUIS WEINSTEIN, M.D., *Lecturer on Medicine*  
MORTON S. BERK, M.D., *Associate in Medicine*  
ARAM VAN CHOBANIAN, M.D., *Associate in Medicine*  
JAY D. COFFMAN, M.D., *Associate in Medicine*  
SAMUEL C. COHEN, M.D., *Associate in Medicine*  
CONSTANCE C. CORNOG, M.D., *Associate in Medicine*  
JOHN DRGIORGIO, Ph.D., *Research Associate in Medicine*  
JOB E. FUCHS, M.D., *Associate in Medicine*  
SAMUEL J. KOWAL, M.D., *Associate in Medicine*  
RUVEN LEVITAN, M.D., *Associate in Medicine*  
INGA E. LINDGREN, M.D., *Associate in Medicine*  
ALICE LOWELL, M.D., *Associate in Medicine*  
JACOB J. MATLOFF, M.D., *Associate in Medicine*  
JOHN F. McMANUS, M.D., *Associate in Medicine*  
MELVIN D. ROSEMAN, M.D., *Associate in Medicine*  
DAVID S. SHERMAN, M.D., *Associate in Medicine*  
HERBERT S. SISE, M.D., *Associate in Medicine*  
JOHN H. SISSON, M.D., *Associate in Medicine*  
MARIO SPARAGANA, M.D., *Associate in Medicine*  
BERNARD TOLNICK, M.D., *Associate in Medicine*  
RAYMOND J. WALTHER, M.D., *Associate in Medicine*  
HUGH L. C. WILKERSON, M.D., M.P.H., *Research Associate in Medicine*  
STEPHEN J. ALPHAS, M.D., *Instructor in Medicine*  
DONNEL W. BOARDMAN, M.D., *Instructor in Medicine*  
RUSSELL S. BOLES, JR., M.D., *Clinical Instructor in Medicine*  
EDGAR S. CATHCART, M.B., B.Ch., B.A.O., *Instructor in Medicine*  
WILLIAM H. CHASEN, M.D., *Clinical Instructor in Medicine*  
CHARLES G. COLBURN, M.D., *Instructor in Medicine*  
SIDNEY R. COOPERBAND, M.D., *Instructor in Medicine*  
DONAT P. CYR, M.D., *Clinical Instructor in Medicine*  
BAROUKH M. EL KODSI, M.B., Ch.B., *Instructor in Medicine*  
MELVIN H. FARMELANT, M.D., *Instructor in Medicine*  
JOSEPH FRANKLIN, M.D., *Clinical Instructor in Medicine*  
SIDNEY FRIEDMAN, M.D., *Clinical Instructor in Medicine*  
ARTHUR J. GARCEAU, M.D., *Instructor in Medicine*  
JACOB GOTTLER, M.D., *Clinical Instructor in Medicine*

KENNETH M. GRAHAM, M.D., *Clinical Instructor in Medicine*  
LAURAN D. HARRIS, M.D., *Instructor in Medicine*  
PHILIP D. HERRICK, M.D., *Clinical Instructor in Medicine*  
ANDREW HUVOS, M.D., *Instructor in Medicine*  
DERA KINSEY, M.D., *Clinical Instructor in Medicine*  
VINCENT LANZONI, M.D., *Instructor in Medicine*  
ELIHU I. LEWIS, M.D., *Instructor in Medicine*  
MARVIN L. MITCHELL, M.D., *Instructor in Medicine*  
ROSEMARY A. MURPHY, M.D., *Clinical Instructor in Medicine*  
BURTON J. POLANSKY, M.D., *Instructor in Medicine*  
MORRIS RINGER, M.D., *Instructor in Medicine*  
MELVIN H. RODMAN, M.D., *Instructor in Medicine*  
LAWRENCE SAXON, M.D., *Clinical Instructor in Medicine*  
BEN SELLING, M.D., *Instructor in Medicine*  
MAGDALENA BERENYI, M.D., *Assistant in Medicine*  
BRUCE R. BROWN, M.D., *Assistant in Medicine*  
ROBERT J. CAREY, M.D., *Assistant in Medicine*  
CHARLES J. CATALDO, M.D., *Assistant in Medicine*  
WILLIAM P. COLPOYS, M.D., *Assistant in Medicine*  
HERBERT L. COOPER, M.D., *Assistant in Medicine*  
SETH C. CROCKER, M.D., *Assistant in Medicine*  
FRANCIS W. DRINAN, M.D., *Assistant in Medicine*  
MELWYN B. FINE, M.D., *Assistant in Medicine*  
GARY M. GRAY, M.D., *Assistant in Medicine*  
JAMES A. E. HALKETT, M.S., *Assistant in Medicine*  
HENRY S. HARVEY, M.D., *Assistant in Medicine*  
STANLEY E. HERRICK, JR., M.D., *Assistant in Medicine*  
JOHN E. JAPP, M.D., *Assistant in Medicine*  
JULIO I. MAIZTEGUI, M.D., *Assistant in Medicine*  
PETER R. MANES, M.D., *Assistant in Medicine*  
HERBERT P. MINKEL, M.D., *Assistant in Medicine*  
PHILIP F. MULVEY, JR., Ph.D., *Assistant in Medicine*  
PAUL I. OSSEN, M.D., *Assistant in Medicine*  
JOHN B. O'SULLIVAN, M.R.C.P., *Assistant in Medicine*  
ANTHONY J. PIRO, M.D., *Assistant in Medicine*  
CHARLES E. POPE, II, M.D., *Assistant in Medicine*  
EDWARD D. SWISS, M.D., *Assistant in Medicine*  
RICHARD W. THALER, M.D., *Assistant in Medicine*  
CARL B. TISCH, M.D., *Assistant in Medicine*  
J. HUSTON WESTOVER, M.D., *Assistant in Medicine*  
SHELDON ADLER, M.D., *Research Fellow in Medicine*  
MARY V. BALL, M.D., *Research Fellow in Medicine*  
IAN A. D. BOUCHIER, M.D., *Research Fellow in Medicine*  
FRANCIS R. COMERFORD, M.B., B.Ch., B.A.O., *Research Fellow in Medicine*  
WALTER G. DUKSTEIN, M.D., *Research Fellow in Medicine*  
GEORGE C. HEWITT, M.D., *Research Fellow in Medicine*  
DONALD E. KAMM, M.D., *Research Fellow in Medicine*  
IN CHANG KIM, M.D., *Research Fellow in Medicine*  
ARTHUR J. LUSKIN, M.D., *Research Fellow in Medicine*  
SIDNEY J. MALAWER, M.D., *Research Fellow in Medicine*

- KLAUS J. H. MECKELER, M.D., *Research Fellow in Medicine*  
BRUCE R. I. MORRISON, M.D., *Research Fellow in Medicine*  
BRUNO L. MUELLER, M.D., *Research Fellow in Medicine*  
DAVID H. PATTEN, M.D., *Research Fellow in Medicine*  
DENISE J. STRIEDER, M.D., *Research Fellow in Medicine*  
IAN TYSON, M.B., Ch.B., *Research Fellow in Medicine*  
CHANG-SOO AHN, M.D., *Senior Teaching Fellow in Medicine*  
ALAN E. APFEL, M.D., *Senior Teaching Fellow in Medicine*  
JOSEPH L. DOHAN, M.D., *Senior Teaching Fellow in Medicine*  
GARDNER T. EDWARDS, M.D., *Senior Teaching Fellow in Medicine*  
JEROME J. KASTRUL, M.D., *Senior Teaching Fellow in Medicine*  
PETER JAY KNOLL, M.D., *Senior Teaching Fellow in Medicine*  
MARVIN S. LIGGETT, M.D., *Senior Teaching Fellow in Medicine*  
RICHARD P. MILLER, M.D., *Senior Teaching Fellow in Medicine*  
ROBERT SCHWARTZ, M.D., *Senior Teaching Fellow in Medicine*  
LOUIS C. WISLOCKI, M.D., *Senior Teaching Fellow in Medicine*  
ROBERT F. BARRERAS, M.D., *Junior Teaching Fellow in Medicine*  
ROBERT A. DERRO, M.D., *Junior Teaching Fellow in Medicine*  
GARABED EKNOYAN, M.D., *Junior Teaching Fellow in Medicine*  
GEORGE J. KACOYANIS, M.D., *Junior Teaching Fellow in Medicine*  
RUDOLPH M. KEIMOWITZ, M.D., *Junior Teaching Fellow in Medicine*  
EVAN ORPHANOS, M.D., *Junior Teaching Fellow in Medicine*  
JONATHAN O. PARTAIN, M.D., *Junior Teaching Fellow in Medicine*  
WILLARD S. PUTNAM, JR., M.D., *Junior Teaching Fellow in Medicine*  
MARTIN L. SPIVACK, M.D., *Junior Teaching Fellow in Medicine*  
PHILIP S. WHITE, M.D., *Junior Teaching Fellow in Medicine*

### Required Courses

The instruction given by the Department of Medicine consists of lectures, clinics, conferences, and practical work in the outpatient departments and wards of the hospitals. Throughout the course an attempt is made to correlate the work of the pre-clinical years with those problems that are concerned with the clinical investigation and treatment of the patient. The courses and lectures are arranged so that there is a correlation between the teaching of clinical medicine, surgery, special pathology, physical medicine, and therapeutics. Special emphasis is placed on the methods of diagnosis, treatment, and the course of disease. The course in medicine begins in the second semester of the second year after the students have completed all of the courses in the basic medical sciences except special pathology, which is continued throughout the second year. The course continues then throughout the third and fourth years of the medical curriculum.

*Second Year.* During the second half of the second year, a number of lectures and demonstrations are given as an introductory course in medicine. The techniques of history taking and physical and laboratory examinations are presented. The students are divided into small groups for instruction in history taking and physical diagnosis and

are carefully supervised. The lectures and demonstrations are correlated with special and pathologic physiology. The main emphasis is placed on the techniques of various examinations and a correlation of the basic sciences with clinical methods and interpretations.

*Third Year.* During the third year, internal medicine is covered by lectures, clinics, and clinico-pathological conferences for the whole class. The practical instruction is carried out in the medical wards and outpatient departments of the Boston City Hospital and the Massachusetts Memorial Hospitals. Instruction in the care and management of pulmonary tuberculosis is given at the Boston City Hospital. The students are divided into small groups, and their work is supervised by instructors who are assigned especially to this duty. Frequent conferences between the clinical staff and the X-ray Department are held.

*Fourth Year.* In the fourth year, the students serve as clinical clerks on the medical wards of the hospitals. Ward rounds, clinics, and conferences in pathology, therapeutics, social service, and dietetic problems are held regularly.

### Elective Courses

An opportunity is given for students to select certain special courses on an elective basis. The courses are designed to provide special instruction in various subjects under the direction of a specialist.

### Required Courses

#### SECOND YEAR

**Clinical Medicine.** Lectures and demonstrations. DR. HUCKABEE and ASSOCIATES  
30 hours, second semester

**Physical Diagnosis and History Taking.** Lectures and section teaching.  
DRS. STRAUSS, KATZ, FERGUSON, and ASSOCIATES 132 hours, second semester

**Clinical Pathology.** Lectures and laboratory exercises. DR. HUCKABEE and ASSO-  
CIATES 75 hours, second semester

#### THIRD YEAR

**Lectures on Internal Medicine and Medical Therapeutics.** DRs. WILKINS,  
INGELFINGER, and ASSOCIATES 66 hours

**Medical Clinics.** Massachusetts Memorial Hospitals and Boston City Hospital.  
DRS. WILKINS, INGELFINGER, and ASSOCIATES 27 hours

**Clinical Medicine.** Exercises in the wards and outpatient departments of the Massa-  
chusetts Memorial Hospitals and the Boston City Hospital. *Class in sections.* THE  
STAFF 144 hours

**Clinical Pathological Conferences.** Boston City Hospital and Evans Memorial.  
DRS. COHEN, MALLORY, and ASSOCIATES 32 hours

## FOURTH YEAR

**Clinical Medicine.** Sections of the class arranged in three groups and assigned for clerkships and ward rounds.

*Group A.* Wards, Medical Service, Massachusetts Memorial Hospitals, Evans Memorial. DR. WILKINS and ASSOCIATES 384 hours, 8 weeks

*Group B.* Wards, 5th and 6th Medical Services, Boston City Hospital. DR. INGELFINGER and ASSOCIATES 384 hours, 8 weeks

*Group C.* Wards, Medical Service, Boston Veterans Administration Hospital. DR. STRAUSS and ASSOCIATES 384 hours, 8 weeks

## Elective Courses

## THIRD YEAR

**Chronic Diseases.** A full-time course for either one or two months designed to acquaint students with problems of patients with long-term illnesses beyond the acute general hospital setting. Functioning as externs, students work up and care for patients under the direct supervision of the residents and staff physicians. Emphasis on the extended care of chronic diseases, the techniques of physical rehabilitation, and the details of post-hospital planning. Lemuel Shattuck Hospital. DR. THOMAS C. CHALMERS and ASSOCIATES

## FOURTH YEAR

**Electrocardiography.** Practical experience and guidance in interpretation of clinical electrocardiograms in the Electrocardiography Laboratory of the Hospitals. Course limited to one student per month. Massachusetts Memorial Hospitals. DR. GERALD H. WHIPPLE and ASSOCIATES

**General Medicine.** A clinical clerkship of one or two months in a 60-bed rural hospital. Student has opportunity to observe and participate in hospital side of general practice under favorable conditions and careful supervision. The Huggins Hospital, Wolfeboro, New Hampshire. DR. RALPH H. ADAMS

**General Medicine.** Two students per month accepted for positions as clinical clerks on the medical service. Students attend residents' rounds, teaching rounds by attending physician, pathology and X-ray conferences, EKG readings, and service meetings. One afternoon each week spent with Dr. Graham seeing headache patients, and on Saturday mornings rounds made by Dr. Graham with students on the patients whom they have worked up. Students also attend grand rounds at two other Boston hospitals. The Faulkner Hospital. DR. JOHN R. GRAHAM

**Infectious Disease.** Clinical clerkship of one month's duration in infectious disease wards for adults (New England Center Hospital) and children (Boston Floating Hospital). Patients represent problems in all of the common communicable diseases and a wide range of other infections. Students have a choice of spending entire period on either adult or pediatric service or dividing their time equally between both. As clinical clerks they admit and follow patients, attend rounds and conferences, and meet daily with a tutor to discuss individual patients and problems in the field. The Ziskind Research Laboratories, New England Center Hospital. DR. LOUIS WEINSTEIN

## Dermatology

HERBERT MESCON, M.D., *Professor of Dermatology; Chairman of the Department*  
 ALEXANDER G. MATOLTSY, M.D., *Research Professor of Dermatology*  
 NICHOLAS J. FIUMARA, M.D., M.P.H., *Associate Clinical Professor of Dermatology*  
 ALFRED HOLLANDER, M.D., *Associate Clinical Professor of Dermatology*  
 JOHN S. STRAUSS, M.D., *Associate Professor of Dermatology*  
 WILLIAM M. HUBER, M.D., *Assistant Professor of Dermatology*  
 ARTHUR B. KERN, M.D., *Assistant Clinical Professor of Dermatology*  
 WALTER J. McDONOUGH, M.D., *Assistant Clinical Professor of Dermatology*  
 BENCEL L. SCHIFF, M.D., *Assistant Clinical Professor of Dermatology*  
 GEORGE W. WARING, JR., M.D., *Assistant Clinical Professor of Dermatology*  
 MARGIT N. MATOLTSY, M.S., *Research Associate in Dermatology*  
 PAUL F. PARAKKAL, Ph.D., *Research Associate in Dermatology*  
 G. ROBERT BALER, M.D., *Clinical Instructor in Dermatology*  
 DAVID W. FOLAN, JR., M.D., *Clinical Instructor in Dermatology*  
 INTA A. GROTS, M.D., *Instructor in Dermatology*  
 HARRIET D. JAMES, M.D., *Clinical Instructor in Dermatology*  
 EDWARD KARIAN, M.D., *Clinical Instructor in Dermatology*  
 ALFRED S. LANES, M.D., *Clinical Instructor in Dermatology*  
 MAYNARD LENDER, M.D., *Clinical Instructor in Dermatology*  
 PETER E. POCHI, M.D., *Instructor in Dermatology*  
 HOWARD S. YAFFEE, M.D., *Clinical Instructor in Dermatology*  
 SYLVIA F. COLLINS O'CONNOR, M.D., *Assistant in Dermatology*  
 MICHAEL O. REINOEHL, M.D., *Assistant in Dermatology*  
 DONALD E. TEMPLE, M.D., *Assistant in Dermatology*  
 CHETTY BHAKTA VIZIAM, M.B., B.S., *Assistant in Dermatology*  
 HERBERT WHITE, M.D., *Assistant in Dermatology*  
 SETRAG A. ZACARIAN, M.D., *Assistant in Dermatology*  
 ORAZIO J. BASILE, M.D., *Senior Teaching Fellow in Dermatology*  
 EUGENE P. RIVERA, M.D., *Senior Teaching Fellow in Dermatology*  
 JOHN A. BRENDESE, M.D., *Junior Teaching Fellow in Dermatology*  
 FRANCIS J. BURKE, M.D., *Junior Teaching Fellow in Dermatology*  
 RICHARD J. DiBELLA, M.D., *Junior Teaching Fellow in Dermatology*  
 ROBERT FAND, M.D., *Junior Teaching Fellow in Dermatology*  
 ELIZABETH C. SPIVACK, M.D., *Junior Teaching Fellow in Dermatology*  
 THOMAS M. SWEENEY, M.D., *Junior Teaching Fellow in Dermatology*

## Required Courses

## FIRST AND SECOND YEARS

Lectures on skin anatomy, biochemistry, bacteriology and mycology, physiology, pathology, and pharmacology are given in the respective basic science courses.

## THIRD YEAR

**Dermatology.** Eight lectures on etiology, pathologic physiology, symptoms, and treatment of diseases of the skin. An additional series of three lectures on industrial diseases of the skin included in the course in industrial medicine. One lecture presented on skin diseases of the anogenital region in the course in gynecology. THE STAFF 8 hours

**Clinical Dermatology.** Students assigned to outpatient clinic of Massachusetts Memorial Hospitals where it is possible to demonstrate all of the common and many of the unusual dermatoses. Inpatient skin problems presented from material on wards of Massachusetts Memorial Hospitals and Lemuel Shattuck Hospital. *Class in sections.*

THE STAFF

36 hours

**Genitoinfectious Diseases.** Each student assigned for two hours on one day during third year to the Genitoinfectious Disease Clinic of Massachusetts Memorial Hospitals. Instruction in the more important aspects of venereal diseases accomplished by seminars and by having students participate in work of the Clinic. *Class in sections.* DR. WARING

and STAFF

2 hours

### Elective Courses

#### THIRD YEAR

**Syphilis.** Course consists of four sessions; one devoted to course and outcome of untreated syphilis and one reviews the immunology of the disease. The other two discussions cover the serologic diagnosis of the infection and the false-positive problem. Massachusetts Memorial Hospitals. DR. WARING

4 hours

#### FOURTH YEAR

**Dermatology.** A four-to twelve-week clinical clerkship, full time, offered to a limited number of students by the Department of Dermatology of Massachusetts Memorial Hospitals. Opportunities available for part-time clinical work in outpatient department at Boston City Hospital, Veterans Administration Hospital, or Lemuel Shattuck Hospital, and to observe the private practice of dermatology in the office of Drs. Mescon and Strauss. Students encouraged to participate in research projects of their own choosing or in those undertaken by staff. THE STAFF.

## Neurology

CHARLES A. KANE, M.D., *Professor of Neurology; Chairman of the Department*

PAUL B. JOSSMANN, M.D., Ph.D., *Honorary Professor of Neurology*

DAVIS S. HOWES, Ph.D., *Associate Research Professor of Neuropsychology*

LEONARD D. OSLER, M.D., *Associate Professor of Neurology*

NORMAN GESCHWIND, M.D., *Assistant Research Professor of Neurology*

JUSTIN M. HOPE, M.D., *Lecturer on Neurology and Neuropathology*

DONALD E. BOWEN, M.D., *Instructor in Neurology*

ROBERT EFRON, M.D., *Instructor in Neurology*

ROBERT W. EGAN, M.D., *Clinical Instructor in Neurology*

ROBERT G. FELDMAN, M.D., *Instructor in Neurology*

IRVING M. LEVINE, M.D., *Instructor in Neurology*

MICHAEL G. FUSILLO, M.D., *Assistant in Neurology*

DONALD S. GREENE, M.D., *Assistant in Neurology*

MICHAEL J. MALONE, M.D., *Assistant in Neurology*

MERRELL D. REISS, M.D., *Assistant in Neurology*

HERBERT E. RUBIN, M.D., *Assistant in Neurology*

JOHN R. SEGAL, Ph.D., *Research Assistant in Neurology*

MYRNA J. SCHEAR, M.D., *Senior Teaching Fellow in Neurology*

### Required Courses

#### SECOND YEAR

**Neuropathology.** Ten hours of lectures and twenty of laboratory work. First few sessions review neuroanatomy and neurophysiology necessary for an understanding of neuropathology. Subsequent lectures deal with reaction of nervous system to disease, and in the laboratory gross and microscopic pathologic anatomy studied. DRs. KANE, OSLER, and STAFF 30 hours, second semester

#### THIRD YEAR

**Neurology.** Lectures and case presentations used to introduce students to clinical neurology. Emphasis placed on the more common disorders of nervous system and nervous manifestations of general medical conditions. DRs. KANE, GESCHWIND, OSLER, and Guest Lecturers 20 hours

**Clinical Neurology.** Class is divided into small groups and, under guidance of an instructor, spends its time on medical wards of Boston City Hospital and Veterans Administration Hospital examining patients. Purpose to train the students at the bedside in the technique and interpretation of the neurological examination. *Class in sections.* DRs. KANE, GESCHWIND, OSLER, BOWEN, and STAFF 24 hours

#### FOURTH YEAR

**Clinical Neurology.** While the students are taking medicine, weekly sessions given to small groups at the Boston City Hospital and the Massachusetts Memorial Hospitals. Cases presented to the instructor and general discussion encouraged. DRs. KANE and OSLER 16 hours

### Elective Courses

#### THIRD AND FOURTH YEARS

**Summer Clerkships.** Opportunity made available to suitable and interested students to complete a brief research project with compensation provided by an N.I.H. grant in the sum of \$600 for two months' work. Candidates selected on basis of their grades in courses in neuropathology and neurology and after an interview with the Chairman of the Department. In this way, it is hoped that promising students become acquainted early in their medical careers with challenging problems of neurological medicine and perhaps be stimulated to go into this field. DR. KANE and STAFF

#### FOURTH YEAR

**Neurology.** A four-week clerkship offered at Boston Veterans Administration Hospital and Veterans Administration Outpatient Clinic from September through May. Only one student accepted for each period. DRs. GESCHWIND, JOSSMAN, LEVINE, and STAFF

# Division of Obstetrics and Gynecology

ARCHIE A. ABRAMS, M.D., *Associate Professor of Obstetrics and Gynecology*  
ANDREW D. ELIA, M.D., *Associate Clinical Professor of Obstetrics and Gynecology*  
BURTON C. GRODBERG, M.D., *Assistant Professor of Gynecology*  
JAMES F. KENNEY, M.D., *Assistant Professor of Obstetrics and Gynecology*  
BERNARD LEDERMAN, M.D., *Assistant Clinical Professor of Obstetrics*  
OWEN C. MULLANEY, M.D., *Assistant Professor of Obstetrics*  
FREDERICK G. WIEGAND, M.D., *Assistant Clinical Professor of Obstetrics and Gynecology*  
LANGDON PARSONS, M.D., *Lecturer on Gynecology*  
BENJAMIN TENNEY, JR., M.D., *Lecturer on Obstetrics*  
MAX J. BULIAN, M.D., *Associate in Obstetrics and Gynecology*  
THOMAS S. DURANT, M.D., *Associate in Obstetrics and Gynecology*  
DAVID E. KOPANS, M.D., *Associate in Obstetrics and Gynecology*  
JOSEPH F. ARICO, M.D., *Instructor in Obstetrics and Gynecology*  
ROBERT V. DANDROW, M.D., *Instructor in Obstetrics and Gynecology*  
ROBERT J. FALLON, M.D., *Instructor in Obstetrics and Gynecology*  
FRANCIS C. MASON, JR., M.D., *Instructor in Obstetrics and Gynecology*  
JOHN L. MORRISON, M.D., *Instructor in Obstetrics and Gynecology*  
JOSEPH S. WALLACE, M.D., *Instructor in Obstetrics*  
ERNEST P. DAVIDOW, M.D., *Assistant in Obstetrics and Gynecology*  
JOHN GARRY, M.D., *Assistant in Obstetrics and Gynecology*  
DAVID GOODMAN, M.D., *Assistant in Obstetrics and Gynecology*  
ALBERT H. MARCUS, M.D., *Assistant in Obstetrics and Gynecology*  
ROBERT S. MARNOY, M.D., *Assistant in Obstetrics and Gynecology*  
KENNETH W. SINISH, M.D., *Assistant in Obstetrics and Gynecology*

## Required Courses

Instruction given by the Division of Obstetrics and Gynecology consists of lectures, seminars, conferences, ward rounds, and clinical work with inpatients and outpatients. Integration of basic scientific knowledge and clinical application is stressed. The courses and lectures are so arranged that emphasis is placed on the correlation between the physiology and pathology of pregnancy, labor, and the puerperium, and the physiology, disorders, and diseases of the female generative tract.

## Obstetrics

### SECOND YEAR

**Normal Obstetrics.** Lectures presented throughout the year to impart theory and principles of normal obstetrics. Genetics, embryology, and steroid chemistry stressed and study of abnormal obstetrics follows. DR. ABRAMS and ASSOCIATES

13 hours, first semester;  
14 hours, second semester

## THIRD YEAR

**Obstetrics.** Deals with the complicated problems in obstetrics and includes the appraisal of diseases associated with pregnancy and a study of injuries and malformations of the newborn. *An insight into the social trends in obstetrics emphasized.*

DR. ABRAMS and ASSOCIATES 12 hours

**Demonstrations and Practical Operative Procedures.** Manikin exercises cover normal and abnormal presentations as well as the mechanisms of labor, delivery, version, and extraction. Practical application of pelvimetry to the mechanics of labor stressed.

*Class in sections.* DR. MARCUS 12 hours

**Prenatal and Postnatal Clinics.** Small sections consisting of eight students attend the outpatient clinic at the Massachusetts Memorial Hospitals three mornings each week for a period of two weeks. Instruction given in the technique of examination, mensuration, and history taking. The diagnosis and treatment discussed. Student-patient relations encouraged. *Class in sections.* THE STAFF 18 hours

**Clinical Obstetrics.** All students assigned to obstetrical services at Boston City Hospital and Massachusetts Memorial Hospitals for a four-week period. Daily morning seminars, case studies, and ward rounds included, together with opportunities to observe deliveries. *Class in sections.* DR. ABRAMS and ASSOCIATES 30 hours

## Gynecology

## THIRD YEAR

**Gynecology.** Lectures include a systematic study of the physiology and pathology of the female genital tract. Etiology, diagnosis, and treatment of the more common disease-entities and gynecological disorders discussed. *Broad interpretation between gynecology and general medicine emphasized.* DR. PARSONS and ASSOCIATES 20 hours

**Gynecological Outpatient Clinics.** Students given clinical instruction two mornings weekly for a two-week period in the Massachusetts Memorial Hospitals Outpatient Department by resident and visiting staff. Students take histories, make abdominopelvic examinations, and become familiar with general principles of gynecologic treatment. *Class in sections.* THE STAFF 12 hours

**Clinical Gynecology.** Students participate in seminar discussions for three mornings each week throughout the month at both the Boston City Hospital and the Massachusetts Memorial Hospitals. Subjects discussed supplement material presented at formal lectures. Interesting cases presented on ward visits by the visiting and resident staff. *Class in sections.* DR. PARSONS and ASSOCIATES 30 hours

## FOURTH YEAR

**Clinical Obstetrics and Gynecology.** All students serve as clinical clerks for a period of one month, divided equally between obstetrics and gynecology, during which time they serve on the wards and in the delivery and operating rooms. Ward rounds and small group conferences held daily with the visiting and resident staff. Fundamental principles and practical considerations taught by observation and actual participation in the care of the patient. The clinical facilities of Massachusetts Memorial Hospitals and Boston City Hospital used in this program. 200 hours

# Division of Psychiatry

## Psychiatry

- BERNARD BANDLER, M.D., *Professor of Psychiatry; Chairman of the Division*  
WILLIAM J. CURRAN, LL.M., S.M.Hyg., *Edward R. Utley Professor of Legal Medicine*  
FELIX DEUTSCH, M.D., *Honorary Professor of Psychiatry*  
HELENA DEUTSCH, M.D., *Honorary Professor of Psychiatry*  
A. WILLIAM HIRE, Ed.D., *Professor of Clinical Psychology*  
HUDSON HOAGLAND, Ph.D., *Research Professor of Biology and Physiology in Psychiatry*  
PETER H. KNAPP, M.D., *Research Professor of Psychiatry*  
CONAN KORNETSKY, Ph.D., *Research Professor of Psychiatry*  
WILLIAM MALAMUD, M.D., *Honorary Professor of Psychiatry*  
JAMES MANN, M.D., *Professor of Psychiatry*  
ELEANOR PAVENSTEDT, M.D., *Professor of Child Psychiatry*  
BEATA RANK, *Honorary Professor of Psychiatry*  
HARRY C. SOLOMON, M.D., *Honorary Professor of Psychiatry*  
WALTER E. BARTON, M.D., *Associate Professor of Psychiatry*  
GEORGE H. CARTER, M.D., *Associate Professor of Psychiatry*  
HARRY FREEMAN, M.D., *Associate Research Professor of Psychiatry*  
THEODORE F. LINDBERG, M.D., *Associate Clinical Professor of Psychiatry*  
ALLAN F. MIRSKY, Ph.D., *Associate Research Professor of Neuropsychology*  
HERBERT I. POSIN, M.D., *Associate Clinical Professor of Psychiatry*  
EVEOLEEN N. REXFORD, M.D., *Associate Clinical Professor of Child Psychiatry*  
LOUIS W. SANDER, M.D., *Associate Research Professor of Psychiatry*  
JAMES C. SKINNER, M.D., *Associate Professor of Psychiatry*  
JACOB SWARTZ, M.D., *Associate Professor of Psychiatry*  
HELEN BEIER, Ph.D., *Assistant Professor of Clinical Psychology*  
SAMUEL BOGOCH, M.D., Ph.D., *Assistant Research Professor of Psychiatry*  
HERMAN E. CARR, JR., M.D., *Assistant Research Professor of Psychiatry*  
FREDERICK H. CUMMER, JR., M.D., *Assistant Professor of Psychiatry*  
WILLIAM H. EGER, M.D., *Assistant Professor of Child Psychiatry*  
ABRAHAM D. FINEMAN, M.D., *Assistant Research Professor of Psychiatry*  
JO ANN FINEMAN, M.D., *Assistant Clinical Professor of Child Psychiatry*  
BELLENDEN R. HUTCHESON, M.D., *Assistant Clinical Professor of Child Psychiatry*  
DONALD P. KENEFICK, M.D., *Assistant Clinical Professor of Psychiatry*  
JOHN M. MACKENZIE, M.D., C.M., *Assistant Clinical Professor of Psychiatry*  
WILLIAM I. MALAMUD, M.D., *Assistant Professor of Psychiatry*  
CHARLES A. MALONE, M.D., *Assistant Professor of Psychiatry*  
S. JOSEPH NEMETZ, M.D., *Assistant Research Professor of Psychiatry*  
MELVIN ROSENTHAL, Ph.D., *Assistant Professor of Clinical Psychology*  
DONALD H. RUSSELL, M.D., *Assistant Professor of Psychiatry*  
GERALD STECHLER, Ph.D., *Assistant Research Professor of Clinical Psychology*  
SUZANNE T. VAN AMERONGEN, M.D., *Assistant Clinical Professor of Psychiatry*  
MAX DAY, M.D., *Lecturer on Psychiatry*

GEORGE E. GARDNER, M.D., *Lecturer on Psychiatry*  
MILTON GREENBLATT, M.D., *Lecturer on Psychiatry*  
DAVIDE LIMENTANI, M.D., *Lecturer on Psychiatry*  
DAVID M. MORIARTY, M.D., *Lecturer on Psychiatry*  
CHARLES A. PINDERHUGHES, M.D., *Lecturer on Psychiatry*  
THEODORE X. BARBER, Ph.D., *Research Associate in Psychology*  
DAVID BLAU, M.D., *Associate in Psychiatry*  
PHILIP L. CHRISTAINSEN, M.D., *Associate in Psychiatry*  
BENJAMIN COHEN, M.D., *Associate in Psychiatry*  
JAMES W. DYKENS, M.D., *Associate in Psychiatry*  
RUTH EHRENBERG, M.D., *Associate in Psychiatry*  
KATHARINE M. FREEMAN, M.S., *Associate in Psychiatric Social Work*  
ROBERT F. GILFILLAN, Ph.D., *Research Associate in Neuropsychiatry*  
PAUL KAUFMAN, M.D., *Associate in Psychiatry*  
ROBERT E. MOSS, M.D., *Associate in Psychiatry*  
CECIL MUSHATT, M.D., M.Sc., *Research Associate in Psychiatry*  
ARTHUR Z. MUTTER, M.D., *Associate in Child Psychiatry*  
RALPH R. NOTMAN, M.D., C.M., *Research Associate in Psychiatry*  
WADE ROCKWOOD, M.D., *Associate in Psychiatry*  
MAXWELL J. SCHLEIFER, Ph.D., *Research Associate in Psychology*  
LAZARUS SECUNDA, M.D., *Associate in Clinical Psychiatry*  
DONALD R. THOMPSON, M.D., *Associate in Psychiatry*  
LEONARD R. WEINER, M.D., *Associate in Psychiatry*  
DANIEL M. WEISS, M.D., *Associate in Psychiatry*  
ARNOLD L. ABRAMS, M.D., *Instructor in Psychiatry*  
EUGENE J. BALCANOFF, M.D., *Instructor in Psychiatry*  
ALVIN BECKER, M.D., *Instructor in Psychiatry*  
LEON R. BRIGGS, M.D., *Instructor in Psychiatry*  
OTTO F. EHRENTHEIL, M.D., *Instructor in Psychiatry*  
MALCOLM J. FARRELL, M.D., *Instructor in Psychiatry*  
TOBIAS T. FRIEDMAN, M.D., *Research Instructor in Psychiatry*  
RICHARD J. KAHN, M.D., *Instructor in Psychiatry*  
ABRAHAM KAYE, M.D., *Instructor in Psychiatry*  
CAROL KAYE, Ph.D., *Instructor in Clinical Psychology*  
ALBERT KRINSKY, M.D., *Clinical Instructor in Psychiatry*  
HAROLD LEE, M.D., *Instructor in Psychiatry*  
MALKAH T. NOTMAN, M.D., *Instructor in Psychiatry*  
JALNA A. PERRY, M.D., *Instructor in Psychiatry*  
JOHN H. PORTER, M.D., *Instructor in Psychiatry*  
ARNOLD ROBBINS, M.D., *Instructor in Psychiatry*  
ANN ROSS, Ed.D., *Research Instructor in Psychology*  
WILLIAM B. ROTHNEY, M.D., C.M., M.P.H., *Instructor in Psychiatry*  
CHARLES M. STOREY, JR., M.D., *Instructor in Psychiatry*  
CAROL SUSSMAN, M.S.S., *Instructor in Psychiatric Social Work*  
THOMAS G. WEBSTER, M.D., *Clinical Instructor in Psychiatry*  
HOWARD WEINTRAUB, M.D., *Instructor in Psychiatry*  
GEORGE H. WOODWARD, M.D., *Instructor in Psychiatry*  
JOAN J. ZILBACH, M.D., *Instructor in Psychiatry*  
A. SCOTT ANDERSON, JR., M.D., *Assistant in Psychiatry*  
WILLIAM M. BOLMAN, M.D., *Assistant in Psychiatry*  
PADRAIC BURNS, M.D., *Assistant in Psychiatry*

GEORGE CHALPIN, M.D., *Assistant in Child Psychiatry*  
DONALD T. DEVINE, M.D., *Assistant in Psychiatry*  
DAVID M. HOLMES, M.D., *Assistant in Psychiatry*  
MELVIN M. KAYCE, M.D., *Assistant in Psychiatry*  
A. LOUIS McGARRY, M.D., *Assistant in Psychiatry*  
JOHN B. NELSON, III, M.D., *Assistant in Child Psychiatry*  
LOUIS J. NIDORF, Ph.D., *Research Assistant in Psychology*  
MALCOLM L. ROSENBLATT, M.D., *Assistant in Psychiatry*  
WILLIAM J. RYAN, Ph.D., *Research Assistant in Psychiatry*  
JACK L. SLATOFF, Ph.D., *Assistant in Psychology*  
LOUIS VACHON, M.D., *Research Assistant in Psychiatry*  
BARBARA L. AESCHLIMAN, M.D., *Senior Teaching Fellow in Psychiatry*  
I. ALAN ANNIS, M.D., *Senior Teaching Fellow in Psychiatry*  
WILLIAM J. BETINIS, M.D., *Senior Teaching Fellow in Psychiatry*  
KENNETH H. BRYANT, D.P.M., B.Sc., *Senior Teaching Fellow in Psychiatry*  
PETER T. CHORAS, M.D., *Senior Teaching Fellow in Child Psychiatry*  
MORTON J. FRANKLIN, M.D., *Senior Teaching Fellow in Psychiatry*  
GORDON G. GLOBUS, M.D., *Senior Teaching Fellow in Psychiatry*  
RICHARD L. GROSS, M.D., *Senior Teaching Fellow in Child Psychiatry*  
SUSAN S. HOMANS, M.D., *Senior Teaching Fellow in Psychiatry*  
CHARALAMBOS S. IERODIAKONOU, M.D., *Senior Teaching Fellow in Psychiatry*  
MARTIN A. JACOBS, M.A., *Senior Teaching Fellow in Psychology*  
JAY KUTEN, M.D., *Senior Teaching Fellow in Psychiatry*  
DEAN F. MAY, M.D., *Senior Teaching Fellow in Psychiatry*  
MICHAEL H. MALAMUD, M.D., *Senior Teaching Fellow in Psychiatry*  
RICHARD C. PILLARD, M.D., *Senior Teaching Fellow in Psychiatry*  
ROY M. SHULMAN, M.D., *Senior Teaching Fellow in Psychiatry*  
JEANNE C. SMITH, M.D., *Senior Teaching Fellow in Psychiatry*  
JOHN C. CONIARIS, M.D., *Junior Teaching Fellow in Psychiatry*  
HAROLD L. GOLDBERG, M.D., *Junior Teaching Fellow in Psychiatry*  
ROBERT A. GOLDMAN, M.D., *Junior Teaching Fellow in Psychiatry*  
ALAN S. KATZ, M.D., *Junior Teaching Fellow in Psychiatry*  
JOSEPH P. MACARY, M.D., *Junior Teaching Fellow in Psychiatry*  
THOMAS MAIER, M.D., *Junior Teaching Fellow in Psychiatry*  
DONALD PUGATCH, M.D., *Junior Teaching Fellow in Psychiatry*  
JOSEPH ROSS, M.D., *Junior Teaching Fellow in Psychiatry*  
ILZE K. SCHWARTZ, M.D., *Junior Teaching Fellow in Psychiatry*  
SYLVESTER R. SHERIDAN, M.D., *Junior Teaching Fellow in Psychiatry*

### Required Courses

The instruction given by the Department of Psychiatry consists of lectures, clinical demonstrations, conferences, seminars, and practical work in the outpatient departments and on the wards of the hospitals. The primary purpose of the program is to impart to the students an adequate knowledge of the human personality as it functions in health and disease. Throughout the course an attempt is made to correlate the instruction offered by this department with the courses given in the other subjects. Emphasis is placed on the important interrelationships between the personality and the somatic functions, pointing out the influences exerted by emotional stress upon the organ systems and the impact of somatic illness upon personality adjustment. The teaching begins in the first year, during which the structure, function, and develop-

ment of the normal personality are presented in a course running parallel to those in anatomy and physiology. In the second year the course includes psychopathology, psychodynamics, and the techniques of examination and interview. In the third year the clinical manifestations, diagnosis, and treatment of personality disturbances are presented. In the fourth year the students are assigned to practical work in the outpatient departments and in the wards, examining and treating patients under supervision.

### Elective Courses

The students are given opportunities to select certain special courses on an elective basis. The courses are designed to furnish special instruction covering all areas of psychiatry under the direction of specialists.

### Research

Opportunities for research in psychiatry in its psychological, biological, and sociological areas are available. Stipends are available for research activities. Research will be under the direction of specialists in psychiatry and in the behavioral sciences.

Students beginning with the summer of the first year may participate in one of the research activities of the department in the Psychosomatic Research Unit, Child Development Unit, Psychopharmacological Unit, Geriatric or Home Treatment Service at Boston State Hospital, or Delinquency Unit at the Douglas A. Thom Clinic for Children.

### FIRST YEAR

**Structure and Function of Normal Personality.** Lectures and demonstrations on the nature of human personality as mechanism which serves to integrate various activities of the individual into a functional unit, and adjustments of this unit to environmental stress. Year course parallel to those in anatomy and physiology. Structure and components of personality activities presented in detail; their functions in the normal person discussed. Finally, development of these functions presented both as observed in child and adult. Variations occurring within normal limits and their effects upon type of adjustment discussed. DR. BANDLER 21 hours, first semester

**Life Span.** First nine sessions devoted to study of broad phases in development through adolescence. Attempts to acquaint student with developmental level of different functions and with conflicts specific to each phase. Concept of fixation introduced and related to various character types, the neuroses, psychosomatic illnesses, and psychoses of adult life. Students divided into groups of nine. Observations of children on the pediatric wards of Boston City Hospital.

Second part of course concerns itself with problems of adult life in our society. Lectures on courtship, marriage, parenthood, work adjustment, retirement, menopause, senescence, and dying given. Students seen twice during this period in small groups. DRs. PAVENSTEDT, REXFORD, SANDER, VAN AMERONGEN, EGER, HUTCHESON, MALAMUD, MALONE, KAUFMAN, PERRY, ROTHNEY, WEINTRAUB, BOLMAN, BURNS 21 hours, second semester

### SECOND YEAR

**Psychopathology and Psychodynamics.** The psychoneurotic reactions and personality disorders taken up in a systematic manner. Emphasis placed on description

and dynamics of these entities, and case material used liberally to illustrate the concepts. The way in which these reactions are related to the normal adaptive processes of the personality discussed. Etiology given in detail and diagnosis and management discussed. Five section meetings during semester so that students in small groups can discuss material with an instructor. DRS. SKINNER and MALAMUD

19 hours, first semester

**Interviewing Technique and History Taking.** Class divided into small sections for practical experience and instruction in interviewing techniques, with emphasis on establishment of a working relationship with the patient, and the use of observed behavior and attitudes in facilitating the history taking procedure. DRS. MANN, CARTER, POSIN, SKINNER, SWARTZ, MALAMUD, PINDERHUGHES, COHEN, KAUFMAN, KAHN

37 hours, second semester

### THIRD YEAR

**Clinical Psychiatry I.** Thirty-two lectures during year covering the following important facets of psychiatry:

*The Psychoses.* Series of lectures cover major psychotic reactions, presenting their diagnosis, description, treatment, and natural history. Special emphasis on their dynamics and etiology. DR. MANN

*Psychosomatic Medicine.* Major concepts embodied in term "psychosomatic illness" presented in detail. Many of recognized diseases with strong psychological factors in their etiology and courses discussed. Current research in this important field examined critically. DR. KNAPP

*Psychotherapy and Psychopharmacology.* The various forms of treatment in modern psychiatric practice presented, including psychotherapy, psychoanalysis, drug therapy and the convulsive therapies. DRS. BANDLER, FREEMAN

*Psychiatry for the Non-psychiatric Physician.* In series of lectures that parallel the Life Span course of first year, psychological problems that the physician encounters in his patients discussed. These include the common emotional disturbances of childhood, adolescence, and adult life including old age. Among topics presented: school and learning problems, delinquency, the emotional reaction to hospitalization, the involution, aging and dying. DRS. PAVENSTEDT, SWARTZ, MALONE, GARDNER, FINEMAN

In addition, throughout the year groups of students have opportunity to interview patients in the presence of supervisors so that they can learn to evaluate and plan treatment for the kinds of patients they will meet in their practice. 48 hours

**Clinical Psychiatry II.** The major psychoses. Clinical demonstrations of patients suffering from psychoses, severe character deviations, and organic diseases of the central nervous system presented. The nature of these syndromes, their etiology, and methods of treatment and management systematically discussed. Course given in four sections of eight weeks each, each section consisting of one quarter of the class. Boston State Hospital, DRS. GREENBLATT, MACKENZIE, PORTER, KAYCE. Boston Veterans Administration Hospital, DRS. PINDERHUGHES, EHRENTHEIL, THOMPSON 12 hours

### FOURTH YEAR

**Clinical Psychiatry III.** Small sections of the class are assigned to clinical clerkships. Four weeks in psychiatry and psychosomatic medicine in adults and children. During

this time students work actively with patients on Robinson 3 and at the Psychosomatic Clinic of Massachusetts Memorial Hospitals and with similar material at Veterans Administration Hospital. Work is done under the supervision of teaching staff. Students carry out examinations, consultations, and treatment of patients. DRs. BANDLER, MALAMUD, BECKER, KAHN, LEE, ROBBINS, GLOBUS, HOMANS, SMITH

200 hours

### Elective Courses

#### THIRD YEAR

**Psychophysiology of Emotion.** Course surveys contemporary evidence about emotion and its relationship to behavior, with particular emphasis upon relating clinical data to the findings of basic studies of neuroendocrine function. Nine sessions: (1) Historical Introduction; (2) The Peripheral Automatic Nervous System and Emotion in Man; (3) A Neurophysiologic Model of Emotion (DR. KNAPP); (4) Developmental Considerations (DR. SANDER); (5) Central Arousal Processes; (6) Brain Stimulation and Emotional Behavior; (7) Brain Lesions and Emotional Behavior (DR. MIRSKY); (8) The Endocrine Glands and Emotional Behavior (DR. CARR); (9) Animal Behavior and the Adaptive Significance of Emotion (DRs. KNAPP, MIRSKY, CARR). 16 hours

#### FOURTH YEAR

**Clinical Psychiatry IV.** Students may elect a four-week clerkship at Massachusetts Memorial Hospitals on either Robinson 3 or in the Psychosomatic Clinic, Child Guidance Clinic at Boston City Hospital, Boston State Hospital, Medfield State Hospital, James Jackson Putnam Children's Center, or Douglas A. Thom Clinic. At these institutions they work actively with patients assigned to them under supervision of members of the staff. Interview technique, methods of treatment, and diagnostic procedures emphasized. DRs. BANDLER, PAVENSTEDT, GREENBLATT, FREEMAN, KNAPP, REXFORD, SKINNER, CARTER, EGER, MACKENZIE, SANDER, SWARTZ

**Research.** Students may elect two months in research in either psychological, biological, sociological, or multidisciplinary areas. They may work either in one of the twenty projects now under way or in some special area of their interest, under the supervision of one of the fifty full-time people in research. Stipends are available for research activities. DRs. KNAPP, PAVENSTEDT, MIRSKY, FISHER, SANDER, STECHLER, SCHLEIFER, FREEMAN, CARR

# Division of Surgery

## Surgery

REGINALD H. SMITHWICK, M.D., *Professor of Surgery; Chairman of the Division*

RALPH H. ADAMS, M.D., *Clinical Professor of Surgery*

JOHN J. BYRNE, M.D., *Professor of Surgery*

GEORGE F. MILLER, M.D., *Clinical Professor of Surgery*

LAMAR SOUTTER, M.D., *Professor of Surgery*

JOHN W. STRIEDER, M.D., *Clinical Professor of Surgery*

GRANTLEY W. TAYLOR, M.D., *Honorary Professor of Surgery*

GEORGE P. WHITELAW, M.D., *Professor of Surgery*

THOMAS J. ANGLEM, M.D., *Associate Clinical Professor of Surgery*

RICHARD W. DWIGHT, M.D., *Associate Clinical Professor of Surgery*

DOUGLAS A. FARMER, M.D., *Associate Professor of Surgery*

EDWARD A. GAENSLER, M.D., *Associate Professor of Surgery*

HAROLD W. HARROWER, M.D., *Associate Clinical Professor of Surgery*

CHESTER W. HOWE, M.D., *Associate Professor of Surgery*

PHILIP S. MARCUS, M.D., *Associate Clinical Professor of Anesthesiology*

CHARLES W. ROBERTSON, M.D., *Associate Professor of Surgery*

ERNEST A. SNEDDON, M.D., *Associate Professor of Anesthesiology*

EDWARD L. SPATZ, M.D., *Associate Professor of Neurosurgery*

HOLLIS L. ALBRIGHT, M.D., *Assistant Clinical Professor of Surgery*

STEWART ARMSTRONG, M.D., *Assistant Clinical Professor of Surgery*

GEORGE T. BOTTOMLEY, M.D., *Assistant Clinical Professor of Surgery*

THOMAS F. BOYD, M.D., *Assistant Professor of Surgery*

RICHARD D. BUSH, M.D., *Assistant Professor of Surgery*

JOHN M. CAHILL, M.D., *Assistant Professor of Surgery*

JOHN W. CHAMBERLAIN, M.D., *Assistant Clinical Professor of Surgery*

BENTLEY P. COLCOCK, M.D., *Assistant Clinical Professor of Surgery*

EDWARD A. COONEY, M.D., *Assistant Clinical Professor of Surgery*

EUGENE A. GASTON, M.D., *Assistant Clinical Professor of Surgery*

ALBIN N. GREENDA, M.D., *Assistant Clinical Professor of Surgery*

FRANCIS R. KENNEY, M.D., *Assistant Clinical Professor of Surgery*

KNOWLES B. LAWRENCE, M.D., *Assistant Clinical Professor of Surgery*

IRVING M. MADOFF, M.D., *Assistant Clinical Professor of Surgery*

HAROLD I. MILLER, M.D., *Assistant Clinical Professor of Surgery*

PETER J. MOZDEN, M.D., *Assistant Professor of Surgery*

JAMES L. VANDERVEEN, M.D., *Assistant Professor of Anesthesiology*

ANTHONY ZOVICKIAN, M.D., *Assistant Professor of Surgery*

HENRY H. FAXON, M.D., *Lecturer on Surgery*

DONALD L. MAHLER, M.D., *Lecturer on Surgery*

HERMAN J. SUGARMAN, M.D., *Lecturer on Surgery*

ROBERT L. BERGER, M.D., *Associate in Surgery*

HOWARD A. BOUVE, M.D., *Associate in Surgery*

JOHN C. SHEEHAN, M.D., *Associate in Anesthesiology*

JOHN C. ATHANS, M.D., *Clinical Instructor in Surgery*  
GLENN E. BEHRINGER, M.D., *Clinical Instructor in Surgery*  
HARRY E. BOWEN, M.D., *Instructor in Anesthesiology*  
PHILLIPS L. BOYD, M.D., *Clinical Instructor in Surgery*  
MARTIN L. BRADFORD, M.D., *Clinical Instructor in Surgery*  
DAVID L. BROOK, M.D., *Clinical Instructor in Surgery*  
ANNELLA BROWN, M.D., *Clinical Instructor in Surgery*  
MITCHELL W. BUSH, M.D., *Clinical Instructor in Surgery*  
FRANK CESARE, M.D., *Instructor in Surgery*  
JOHN D. CONSTABLE, M.D., *Instructor in Surgery*  
WALTER C. COTTER, M.D., *Clinical Instructor in Neurosurgery*  
WILLIAM F. CROSKERY, M.D., *Clinical Instructor in Surgery*  
GERARD DESFORGES, M.D., *Clinical Instructor in Surgery*  
ABRAHAM HORVITZ, M.D., *Clinical Instructor in Surgery*  
ALBERT M. ISHIHARA, M.D., *Instructor in Surgery*  
ANDREW A. KERHULAS, M.D., *Clinical Instructor in Surgery*  
JAMES B. KNIGHT, M.D., *Clinical Instructor in Surgery*  
BERNARD KRASNER, M.D., *Clinical Instructor in Surgery*  
EUGENE G. LAFORET, M.D., *Clinical Instructor in Surgery*  
JOHN B. LLOYD, M.D., *Clinical Instructor in Surgery*  
JOSEPH P. LYNCH, M.D., *Clinical Instructor in Surgery*  
JAMES M. McNULTY, M.D., *Clinical Instructor in Surgery*  
CHARLES J. MEKELATOS, M.D., *Clinical Instructor in Surgery*  
PAUL B. METCALF, JR., M.D., *Clinical Instructor in Surgery*  
JOHN F. MURTAUGH, M.D., *Clinical Instructor in Surgery*  
EDWARD T. O'HARA, M.D., *Clinical Instructor in Surgery*  
WILLIAM J. PORELL, M.D., *Instructor in Surgery*  
ARNOLD PORTER, M.D., *Clinical Instructor in Surgery*  
WILLIAM C. QUINBY, JR., M.D., *Instructor in Pediatric Surgery*  
WILLIAM P. RIDDER, M.D., *Clinical Instructor in Surgery*  
SAMUEL J. SCHMIDT, M.D., *Instructor in Anesthesiology*  
THOMAS F. SILVA, JR., M.D., *Clinical Instructor in Surgery*  
GEORGE W. B. STARKEY, M.D., *Clinical Instructor in Surgery*  
JULIUS STOLL, JR., M.D., *Clinical Instructor in Neurosurgery*  
WALTER R. WEGNER, M.D., *Clinical Instructor in Neurosurgery*  
WILLIAM C. WIGGLESWORTH, M.D., *Clinical Instructor in Surgery*  
MASAO YATSUHASHI, M.D., *Clinical Instructor in Surgery*  
ANTHONY G. CAPOBIANCO, M.D., *Assistant in Surgery*  
MAURICE E. COSTIN, M.D., *Assistant in Surgery*  
SEYMOUR A. DiMARE, M.D., *Assistant in Surgery*  
BARRY M. MANUEL, M.D., *Assistant in Surgery*  
VINCENT J. PATALANO, M.D., *Assistant in Surgery*  
CHARLES L. THAYER, M.D., *Assistant in Surgery*  
THEODORE R. THAYER, M.D., *Assistant in Surgery*  
WILLIAM D. TOMPKINS, M.D., *Assistant in Surgery*  
JULIUCZ E. CIEMBRONIEWICZ, M.D., *Research Fellow in Surgery*  
JOHN V. BUTKIEWICZ, M.D., *Senior Teaching Fellow in Surgery*  
BIAGIO A. CONTE, M.D., *Senior Teaching Fellow in Surgery*  
DAVID W. FAGELL, M.D., *Senior Teaching Fellow in Surgery*  
ALLAN E. FREDERICKSON, M.D., *Senior Teaching Fellow in Surgery*  
JASON I. GREENSTEIN, M.D., *Senior Teaching Fellow in Surgery*

MORTON H. HEAFITZ, M.D., *Senior Teaching Fellow in Surgery*  
 DANIEL F. KOSLOFF, M.D., *Senior Teaching Fellow in Surgery*  
 HUGH F. McCARTHY, M.D., *Senior Teaching Fellow in Surgery*  
 HENRY T. OYAMA, M.D., *Senior Teaching Fellow in Surgery*  
 PHILIP S. REILLY, M.D., *Senior Teaching Fellow in Surgery*  
 NICHOLAS C. REYNOLDS, M.D., *Senior Teaching Fellow in Surgery*  
 RICHARD L. WHITE, M.D., *Senior Teaching Fellow in Surgery*

### Required Courses

*First Year.* Surgical instruction begins in the first year with a series of lectures correlating regional anatomy with treatment of diseases amenable to surgery.

*Second Year.* The course in surgery in the second year is designed to prepare the student for his contacts with patients in the clinical exercises of the third year. The course in Introductory Surgery is a series of lectures which illustrate the relationship between the basic sciences and clinical surgery.

*Third Year.* There is a series of lectures and conferences covering the field of general surgery and certain of the surgical specialties. An attempt is made to correlate the lectures in surgery and medicine so that, wherever possible, similar fields are covered during the same period of time. Section instruction is given in the outpatient departments and in the wards of the hospitals, supplemented by afternoon conferences and demonstrations in general surgery, neurosurgery, and genitourinary surgery. The surgical sections meet with the medical sections for afternoon conferences in pathology and X ray.

*Fourth Year.* Each student has a two-month, clinical clerkship in surgery during this year. Under supervision, he assumes an active responsibility for the care of patients as the junior member of a surgical team. This feeling of responsibility does a good deal to increase the student's interest in his work. Formal instruction is given during hospital meetings, lectures, and conferences in all of which he is encouraged to participate actively. Less formal conferences are held in small groups for the purpose of discussing surgical diseases with particular reference to specific patients. As a basis for therapy, emphasis is placed on the pathology, physiology, and chemistry involved.

#### FIRST YEAR

**Surgical Anatomy.** Lectures at Massachusetts Memorial Hospitals. DR. FARMER and STAFF 16 hours, first semester

#### SECOND YEAR

**Introductory Surgery.** Series of lectures covering principles of surgery. DR. ROBERTSON and STAFF 24 hours, second semester

#### THIRD YEAR

**General Surgery.** Lectures and clinics at Massachusetts Memorial Hospitals and Boston City Hospital. DRs. SMITHWICK, BYRNE, and ASSOCIATES 64 hours

**Clinical Surgery.** Section work and conferences at Massachusetts Memorial Hospitals, Boston City Hospital, and Veterans Administration Hospital, Boston. *Class in sections.* DRs. SMITHWICK, BYRNE, DWIGHT, and ASSOCIATES 88 hours

**Anesthesiology.** Six lectures. DR. SNEDDON 6 hours

## FOURTH YEAR

**Clinical Surgery.** Sections of the class arranged in three groups and assigned for clinical clerkships as follows :

*Group A.* Wards, Surgical Service, Massachusetts Memorial Hospitals. DR. SMITHWICK and ASSOCIATES 400 hours, 8 weeks

*Group B.* Wards, Third Surgical Service, Boston City Hospital. DR. BYRNE and ASSOCIATES 400 hours, 8 weeks

*Group C.* Wards, Surgical Service, Veterans Administration Hospital, Boston. DR. DWIGHT and ASSOCIATES 400 hours, 8 weeks

## Elective Courses

## THIRD YEAR

**Surgery of Septic Hands.** Four exercises. DR. BOUVE 4 hours

**Surgical Techniques.** Class is arranged in sections, each section attending four sessions of surgical techniques at the Boston City Hospital, Third Surgical Research Laboratory. DRs. BERGER and BYRNE

## FOURTH YEAR

**Clinical Surgery.** Full-time clinical clerkship for a period of one month offered on the Surgical Services of each of hospitals listed below with assignment to general surgery. Board and room furnished at Veterans Administration Hospital, Providence.

Boston City Hospital. DR. BYRNE and ASSOCIATES

Veterans Administration Hospital, Providence. DR. HARROWER and ASSOCIATES

Veterans Administration Hospital, Boston. DR. FAXON and ASSOCIATES

Massachusetts Memorial Hospitals. DR. SMITHWICK and ASSOCIATES

**Thoracic Surgery.** Four-week clerkship offered on the Thoracic Surgical Service in pulmonary, cardiac, and esophageal diseases for students who have completed their clerkship in general surgery. Boston City Hospital. DR. STRIEDER and ASSOCIATES

**Pediatric Surgery.** Four-week clinical clerkship offered on the surgical section of the Pediatric Service to students who have completed their clerkship in general surgery. Boston City Hospital. DR. QUINBY and ASSOCIATES

**General Surgery and General Practice in a Community.** Four- or eight-week clerkship, mostly in surgery, offered in a small community hospital with intensive instruction on an apprenticeship basis. The Huggins Hospital, Wolfeboro, N. H. DR. RALPH H. ADAMS and ASSOCIATES

**Emergency Surgery.** Full-time clerkship for a period of one month offered with assignment to the Accident Floor. Not more than one student can be accepted for any one month. Boston City Hospital. DR. BYRNE and ASSOCIATES

**Anesthesiology.** The Departments of Anesthesiology at each of these hospitals offer a full-time clerkship in anesthesiology for a period of one month, with not more than one student being accepted for any one month. Boston City Hospital. DR. MARCUS and ASSOCIATES Massachusetts Memorial Hospitals. DR. SNEDDON and ASSOCIATES

**Cancer.** Four-week clinical clerkship on wards and outpatient department of a State hospital devoted entirely to surgical, radiological, and chemotherapeutic treatment of cancer. Students participate in work-up and care of patients and also help with

diagnostic work and actual treatment. During the period of time in attendance at the hospital, they are provided with board and room but are expected to be on call every other night and weekend. Pondville Hospital.

**Community Hospital Practice.** Opportunities available at either of hospitals listed below for a month's clinical clerkship covering all phases of the practice of medicine, surgery, and specialties as conducted in well-staffed and well-equipped community hospitals. Under supervision of the hospital staff, students participate in care of patients. Regular teaching rounds, discussion of cases, and opportunities for study part of course. When possible, students afforded the opportunity of accompanying a general practitioner on his rounds. Each student is on call every other night. Library facilities available. Board and room provided by the hospitals for single students and married students assisted in finding suitable living quarters in the town, expense of such quarters to be borne by student. Monadnock Community Hospital, Peterborough, N.H. and Knox County General Hospital, Rockland, Me.

## Ophthalmology

TRYGVE GUNDERSEN, M.D., *Professor of Ophthalmology; Chairman of the Department*

JOSEPH J. SKIRBALL, M.D., *Clinical Professor of Ophthalmology*

DAVID S. JOHNSON, M.D., *Associate Research Professor of Ophthalmology*

LESTER L. COVELL, M.D., *Assistant Professor of Ophthalmology*

JOHN M. McIVER, M.D., *Assistant Professor of Ophthalmology*

BENJAMIN BELL, M.D., *Lecturer on Ophthalmology*

MORTON BEDRICK, M.D., *Instructor in Ophthalmology*

HOWARD A. BLAZAR, M.D., *Instructor in Ophthalmology*

MAURICE E. CHAGNON, M.D., *Instructor in Ophthalmology*

CHARLES ISENSTEIN, M.D., *Instructor in Ophthalmology*

FREDERICK L. LANDRIGAN, M.D., *Instructor in Ophthalmology*

ELMER A. SHAW, M.D., *Instructor in Ophthalmology*

ONNI C. KANGAS, M.D., *Assistant in Ophthalmology*

MITCHELL E. KFOURY, M.D., *Assistant in Ophthalmology*

JOHN R. MERRICK, M.D., *Assistant in Ophthalmology*

JACOB RICE, M.D., *Assistant in Ophthalmology*

## Required Courses

The work in this department begins in the third year. Demonstrations through diagrams, models, stereograms, and special preparations amplify the textbook study. Emphasis is placed upon the intimate relation of this subject to the various branches of medicine. The clinical work in the outpatient department is demonstrated to small groups of students and covers history taking, diagnostic procedures, therapeutic application, necessary laboratory consultations, local and state medical regulations, the elements of refraction, and operative procedures. A special point is made to study the common extraocular diseases, such as iritis and glaucoma. Students are taught to use the ophthalmoscope for observation of intraocular conditions, and they are shown the practical importance of its use in the diagnosis of general medical conditions. A practical clinical examination is given at the end of each third-year clinical assignment.

### FIRST YEAR

**Lectures.** Introductory lecture on instrumentation, and two hours of physiology and optics.

## THIRD YEAR

**Lectures.** One hour each week. DR. GUNDERSEN and ASSOCIATES 6 hours

**Clinical Ophthalmology.** Outpatient department and operating room observation at Massachusetts Memorial Hospitals with a practical examination on completion of clinical instruction. *Class in sections.* THE STAFF 36 hours

## Orthopedic and Fracture Surgery

KENNETH CHRISTOPHE, M.D., *Clinical Professor of Orthopedic and Fracture Surgery; Chairman of the Department*

CHARLES W. PEABODY, M.D., *Honorary Professor of Orthopedic and Fracture Surgery*

RONALD W. ADAMS, M.D., *Assistant Clinical Professor of Orthopedic and Fracture Surgery*

ROBERT S. HORMELL, M.D., *Assistant Professor of Orthopedic and Fracture Surgery*

RICHARD M. KILFOYLE, M.D., *Assistant Clinical Professor of Orthopedic and Fracture Surgery*

THEODORE A. POTTER, M.D., *Assistant Professor of Orthopedic and Fracture Surgery*

JOHN G. KUHN, M.D., Sc.D., *Lecturer on Orthopedic Surgery*

RICHARD A. BRAGDON, M.D., *Instructor in Orthopedic and Fracture Surgery*

JOSEPH W. COPEL, M.D., *Instructor in Orthopedic and Fracture Surgery*

JAMES A. DOLPHIN, M.D., *Clinical Instructor in Orthopedic and Fracture Surgery*

JOSEPH A. FAMIGLIETTI, M.D., *Clinical Instructor in Orthopedic and Fracture Surgery*

EDWIN J. MADDEN, M.D., *Clinical Instructor in Orthopedic and Fracture Surgery*

JOHN F. McCONVILLE, M.D., *Clinical Instructor in Orthopedic and Fracture Surgery*

ROBERT SHAPIRO, M.D., *Instructor in Orthopedic and Fracture Surgery*

EDWARD SPINDELL, M.D., *Clinical Instructor in Orthopedic and Fracture Surgery*

RALPH H. BENDER, M.D., *Assistant in Orthopedic and Fracture Surgery*

ROBERT B. BRENDZE, M.D., *Assistant in Orthopedic and Fracture Surgery*

FORREST N. MADDIX, M.D., *Assistant in Orthopedic and Fracture Surgery*

## Required Courses

This course covers the diagnosis, treatment, and prevention, when possible, of injuries and diseases affecting the spine and extremities. It includes treatment of all fractures except those of the skull, with special attention to the deforming action of muscles upon fractures at different levels.

## THIRD YEAR

**Orthopedic and Fracture Surgery.** Lectures and demonstrations. DRs. CHRISTOPHE, ADAMS, HORMELL, POTTER, COPEL, BRENDZE, BENDER 12 hours

**Clinical Orthopedic and Fracture Surgery.** Massachusetts Memorial Hospitals, Outpatient Department. *Class in sections.* DRs. CHRISTOPHE, POTTER, HORMELL, MADDIX, COPEL, BRENDZE 26 hours

Boston City Hospital, Outpatient Department. *Class in sections.* DR. ADAMS and ASSOCIATES 12 hours

Robert Breck Brigham Hospital. *Class in sections.* DR. POTTER and ASSOCIATES 4 hours

Carney Hospital. *Class in sections.* DR. KILFOYLE and ASSOCIATES 6 hours  
 Massachusetts Memorial Hospitals, Outpatient Department. *Class in sections.*  
 DR. FREED 2 hours

### Elective Courses

#### THIRD YEAR

Fractures. Lectures and demonstrations covering all types of fractures with treatment for same. DR. COPEL 24 hours, *second semester*

#### FOURTH YEAR

**Orthopedics.** Four-week course offered in fractures and associated orthopedic conditions during which time students learn principles involved in the handling of fractures, methods of reduction, and operating. They participate in X-ray and other conferences and assist in the reduction of both closed and open fractures. Boston City Hospital. DR. ADAMS

## Otolaryngology

M. STUART STRONG, M.D., *Professor of Otolaryngology; Chairman of the Department*

NATHAN L. FINEBERG, M.D., *Clinical Professor of Otolaryngology*

PHILIP MYSEL, M.D., *Associate Clinical Professor of Otolaryngology*

BERNARD ZONDERMAN, M.D., *Associate Clinical Professor of Otolaryngology*

BENJAMIN BELL, M.D., *Assistant Clinical Professor of Otolaryngology*

CHARLES W. VAUGHAN, M.D., *Assistant in Otolaryngology*

### Required Courses

#### THIRD YEAR

Third-year lectures cover fundamental principles of diagnosis and treatment of common otolaryngological diseases with specific emphasis on etiology and pathology. Clinical instruction for two weeks brings student in contact with actual cases in outpatient departments and in hospitals.

**Lectures.** One hour each week. DRs. STRONG, FINEBERG, MYSEL, ZONDERMAN, BELL, VAUGHAN 6 hours

**Clinical Otolaryngology.** Class divided into sections, with each section spending two weeks in the department. Instruction given for four days each week at Massachusetts Memorial Hospitals, and one day each at Boston Veterans Administration Hospital and Boston Veterans Administration Outpatient Department. *Class in sections.* DRs. STRONG, FINEBERG, MYSEL, ZONDERMAN, BELL, VAUGHAN 36 hours

### Elective Course

#### FOURTH YEAR

**Clinical Otolaryngology.** Under supervision of teaching staff of this department, a four-week course offered during which time the students work actively with patients in outpatient departments and on wards of hospitals. There is opportunity for assisting with operations. Not more than one student can be accepted for any one month. Massachusetts Memorial Hospitals. DRs. STRONG, FINEBERG, MYSEL, ZONDERMAN, BELL, VAUGHAN

## Urology

GEORGE AUSTEN, JR., M.D., *Professor of Urology; Chairman of the Department*  
 RICHARD CHUTE, M.D., *Clinical Professor of Urology*  
 DAVID B. STEARNS, M.D., *Clinical Professor of Urology*  
 GRANT M. DIXEY, M.D., *Assistant Clinical Professor of Urology*  
 EDWIN L. PRIEN, M.D., *Assistant Clinical Professor of Urology*  
 FRANK G. SHEDDAN, JR., M.D., *Assistant Clinical Professor of Urology*  
 HERBERT S. TALBOT, M.D., *Lecturer on Urology*  
 MELVIN K. LYONS, M.D., *Clinical Associate in Urology*  
 JOHN S. WHEELER, M.D., *Clinical Associate in Urology*  
 STANLEY K. GORDON, M.D., *Instructor in Urology*  
 FRANK J. GUALTIERI, M.D., *Clinical Instructor in Urology*  
 WILLIAM S. KLUTZ, M.D., *Clinical Instructor in Urology*  
 RAYMOND O. OLSON, M.D., *Clinical Instructor in Urology*  
 HOWARD M. TRAFTON, M.D., *Clinical Instructor in Urology*  
 MANUEL J. CORREIA-BRANCO, M.D., *Assistant in Urology*  
 DAVID T. MAHONY, M.D., *Assistant in Urology*  
 VASCO E. NUNEZ, M.D., *Assistant in Urology*  
 EDWARD T. RAFFERTY, M.D., *Assistant in Urology*  
 THOMAS M. TIERNEY, M.D., *Assistant in Urology*  
 BRENDAN M. FOX, M.D., *Senior Teaching Fellow in Urology*

### Required Courses

Instruction in urology consists of lectures in the second and third years and clinical instruction in the outpatient clinics and the wards of the hospitals during the third year. The lectures cover the fundamental principles of diagnosis and treatment of common urological diseases, including etiology and pathology. Clinical instruction brings the student in contact with actual cases in the outpatient department and in the hospitals. Group conferences and seminars are held on case material to relate clinical manifestations and underlying pathology.

#### SECOND YEAR

**Genitourinary Disease.** Introductory lectures, with emphasis on the etiology, pathologic physiology, and the diagnosis of genitourinary diseases. DRs. AUSTEN, STEARNS, and ASSOCIATES 6 hours, second semester

#### THIRD YEAR

**Genitourinary Surgery and Diseases.** Lectures and demonstrations on surgical diseases of the urinary tract. DRs. AUSTEN, STEARNS, DIXEY, and ASSOCIATES 6 hours

**Clinical Urology.** Instruction on wards and in outpatient department of Massachusetts Memorial Hospitals, Boston City Hospital, and Boston Veterans Administration Hospital. *Class in sections.* DRs. AUSTEN, STEARNS, CHUTE, and ASSOCIATES

48 hours

### Elective Course

#### FOURTH YEAR

**Clinical Urology.** Four-week full-time clerkship offered to one or two students every month on the Urology Service. Opportunity afforded to devote time either to practical clinical experience in diagnosis and management of patients with urologic disease or to initiate and develop an investigative project either in the laboratory, wards, or outpatient clinic. Boston City Hospital.

# Graduate Dentistry

## Program of Training

HENRY M. GOLDMAN, D.M.D., *Professor of Stomatology; Chairman of the Department*  
JOHN W. KAUP, D.M.D., *Assistant Professor of Stomatology*  
MORRIS P. RUBEN, D.D.S., *Assistant Professor of Stomatology*  
OSCAR RESNICK, D.M.D., *Lecturer on Stomatology*  
ZOLMAN HELFAND, D.M.D., M.D., *Associate in Stomatology (Surgery)*

## Oral Surgery

KURT H. THOMA, D.M.D., *Professor of Oral Surgery; Chairman of the Section*  
ROBERT I. LITWIN, D.M.D., *Assistant Professor of Oral Surgery*  
MORTON J. OLIN, D.M.D., *Assistant Professor of Oral Surgery*  
HERBERT F. BERNSTEIN, D.D.S., *Associate in Oral Surgery*  
SANTO S. CATAUDELLA, D.M.D., *Instructor in Oral Surgery*  
JOSEPH F. KENNEALLY, JR., D.M.D., *Instructor in Oral Surgery*  
IRWIN MIRSKY, D.M.D., *Instructor in Oral Surgery*  
TIMOTHY J. TOOMEY, JR., D.M.D., *Instructor in Oral Surgery*  
MELVIN J. HELLINGER, D.M.D., *Assistant in Oral Surgery*  
FREDERICK A. ROBINSON, D.M.D., *Assistant in Oral Surgery*

## Periodontology

BERNARD S. CHAIKIN, D.M.D., *Professor of Periodontology; Chairman of the Section*  
GERALD M. KRAMER, D.M.D., *Associate Professor of Periodontology*  
WILLIAM J. PENDERGAST, D.M.D., *Assistant Professor of Periodontology*  
IRVING ROMANOW, D.D.S., *Assistant Professor of Periodontology*  
ELIOT L. ZIGELBAUM, D.D.S., *Assistant Professor of Periodontology*  
J. DAVID KOHN, D.D.S., *Associate in Periodontology*  
DAVID V. BERRY, D.M.D., *Instructor in Periodontology*  
PHILIP E. CHARTIER, D.D.S., *Instructor in Periodontology*  
HERBERT HODESS, D.M.D., *Instructor in Periodontology*  
DAVID G. STAHL, D.M.D., *Instructor in Periodontology*  
JOSEPH M. STOLMANN, D.M.D., *Instructor in Periodontology*  
ALAN K. DERKAZARIAN, D.M.D., *Assistant in Periodontology*  
ROBERT W. FASCIANO, D.M.D., *Assistant in Periodontology*  
HAROLD H. HOOKWAY, JR., D.M.D., *Assistant in Periodontology*

## Orthodontics

HERBERT I. MARGOLIS, D.M.D., *Professor of Orthodontics; Chairman of the Section*  
ARTHUR V. GREENSTEIN, D.D.S., *Clinical Professor of Orthodontics*  
PHILIP E. ADAMS, D.M.D., *Visiting Clinical Professor of Orthodontics*  
ROBERT H. W. STRANG, D.D.S., M.D., *Visiting Clinical Professor of Orthodontics*

CHARLES H. TWEED, JR., D.D.S., *Visiting Clinical Professor of Orthodontics*  
 LAWRENCE G. ALEXANDER, D.M.D., *Associate Professor of Orthodontics*  
 IRVING D. BUCHIN, D.D.S., *Visiting Associate Professor of Orthodontics*  
 MURRAY BERNSTEIN, D.M.D., *Assistant Professor of Orthodontics*  
 WILFRED E. COHEN, D.D.S., *Assistant Professor of Orthodontics*  
 PHILIP F. M. GILLEY, D.D.S., *Assistant Professor of Orthodontics*  
 THOMAS J. KELLEY, D.D.S., *Assistant Professor of Orthodontics*  
 IRVING KRAUT, D.D.S., *Assistant Professor of Orthodontics*  
 RUSSI K. GHEEWALLA, L.D.Sc., *Instructor in Orthodontics*  
 EUGENE M. NELSON, D.D.S., *Associate in Orthodontics*  
 PRAMOD SOPARKAR, D.M.D., *Research Associate in Orthodontics*  
 LEO E. DUPREY, D.M.D., *Instructor in Orthodontics*  
 JEROME L. BLAFER, D.D.S., *Assistant in Orthodontics*  
 WALTER S. BOGAD, D.D.S., *Assistant in Orthodontics*  
 EDWIN S. GIBSON, D.M.D., *Assistant in Orthodontics*  
 MARVIN A. PRESCOTT, D.M.D., *Assistant in Orthodontics*  
 JOSEPH SHEFFER, D.M.D., *Assistant in Orthodontics*

#### Endodontics

HERBERT SCHILDER, D.D.S., *Assistant Professor of Endodontics; Chairman of the Section*  
 ADOLPH BUSHHELL, D.D.S., *Instructor in Endodontics*  
 HAROLD J. LEVIN, D.M.D., *Instructor in Endodontics*  
 SEYMOUR MELNICK, D.D.S., *Instructor in Endodontics*

#### Restorative Dentistry

LEO TALKOV, D.M.D., *Associate Professor of Restorative Dentistry; Chairman of the Section*  
 DAVID J. BARABAN, D.M.D., *Associate Professor of Restorative Dentistry;*  
*Director of Short Postgraduate Courses*  
 VICTOR O. LUCIA, D.D.S., *Associate Clinical Professor of Restorative Dentistry*  
 NATHAN H. FINK, D.M.D., *Assistant Professor of Restorative Dentistry*  
 CHESTER LANDY, D.M.D., *Assistant Professor of Restorative Dentistry*  
 CHESTER I. SOLOMON, D.M.D., *Assistant Professor of Restorative Dentistry*  
 GLENN A. SUTTON, D.D.S., *Assistant Professor of Restorative Dentistry*  
 LLOYD H. WARSHAUER, D.M.D., *Assistant Professor of Restorative Dentistry*  
 HAROLD L. EHRLICH, D.M.D., *Lecturer on Restorative Dentistry*  
 GEORGE M. NOSS, D.M.D., *Associate in Restorative Dentistry*  
 SAMUEL M. TOLL, D.D.S., *Associate in Restorative Dentistry*  
 FRANK R. BERSON, D.D.S., *Instructor in Restorative Dentistry*  
 ARTHUR J. BRODER, D.M.D., *Instructor in Restorative Dentistry*  
 JAMES A. FIORE, D.M.D., *Instructor in Restorative Dentistry*  
 THOMAS W. FOLEY, D.M.D., *Instructor in Restorative Dentistry*  
 JUSTIN E. GREEN, D.M.D., *Instructor in Restorative Dentistry*  
 JOSEPH M. HAGGERTY, D.M.D., *Instructor in Restorative Dentistry*  
 WILLIAM M. HOFFMAN, D.M.D., *Instructor in Restorative Dentistry*  
 JOHN M. HORACK, JR., D.M.D., *Instructor in Restorative Dentistry*  
 MARTIN J. SAKLAD, D.M.D., *Instructor in Restorative Dentistry*  
 DAVID S. SAMOST, D.D.S., *Instructor in Restorative Dentistry*  
 ARTHUR C. SANDLER, D.M.D., *Instructor in Restorative Dentistry*  
 HAROLD TURNER, D.D.S., *Instructor in Dentistry for the Handicapped*  
 JOSEPH WOLFE, D.D.S., *Instructor in Restorative Dentistry*  
 SISTER MARY CHRISTINA TILK, D.D.S., *Assistant in Restorative Dentistry*

**Surgical Prosthesis**JOSEPH B. BARRONN, D.M.D., *Assistant Professor of Surgical Prosthesis***Oral Pathology**MELVYN H. HARRIS, D.M.D., *Associate in Oral Surgery and Oral Pathology*HOWARD M. KASSLER, D.M.D., *Associate in Oral Pathology and Oral Surgery*PHILIP SCHUBACK, D.D.S., *Associate in Oral Pathology and Periodontology*

The Department of Stomatology offers full-time postdoctoral study to dentists in the fields of oral surgery, anesthesiology, periodontology, orthodontics, endodontics, restorative dentistry, surgical prosthesis, and oral pathology. After completion of all requirements, a degree of Master of Science in Dentistry (M.Sc.D.) may be obtained.

**Oral Surgery**KURT H. THOMA, D.M.D., *Chairman of the Section*

A one-year course of study designed to form the academic phase of the requirements for certification by the American Board of Oral Surgery. The board requirements also necessitate two additional years of hospital training. The oral surgery program is conducted by lectures, clinical demonstrations, operative clinics, and laboratory exercises in such a manner that the clinical phases of oral surgery are intimately correlated to the pertinent basic and preclinical sciences.

A student seeking the degree of Master of Science in Dentistry must fulfill a 36 semester credit program with a minimal average of 84 per cent. In addition, the student must complete an original investigation, prepare a thesis, and successfully defend it.

The oral surgery program includes the following courses:\*

**Preclinical Sciences**

PCS 101	Anatomy (head and neck) — lecture and dissection	DR. LASSEK	3, second semester
PCS 102	Microbiology — lecture	DR. BAKER	2, second semester
PCS 103	Pathology — lecture and laboratory	DR. ROBBINS	6, both semesters
PCS 104	Biochemistry — lecture	DR. GOULD	2, both semesters
PCS 105	Oral Pathology — lecture and laboratory	DR. GOLDMAN	6, both semesters
PCS 106	Pharmacology — lecture	DR. LANZONI	2, first semester
PCS 107	Physiology — lecture	DR. RESNICK	2, first semester

**Clinical Sciences**

CS 151	Medicine	DR. BAKST	2, both semesters
CS 151C	Clinical Medicine	DR. DREYFUS	both semesters
CS 152	Surgery	DR. HELFAND	2, both semesters
CS 153	Oral Medicine	DR. GOLDMAN	2, both semesters
CS 154	Dermatology — lecture	DR. MESCON	8 weeks
CS 154C	Clinical Dermatology	DR. MESCON, STAFF	8 weeks

\*Arabic numeral preceding the semester indicates number of semester credits for each course.

CS 155	Otolaryngology — lecture	DR. STRONG	2, both semesters
CS 155C	Clinical Otolaryngology	DRS. STRONG, VAUGHAN	8 weeks
CS 156	Anesthesiology — lecture and demonstration	DR. SNEDDON	1, first semester
CS 157	Surgical Prosthesis — lecture and demonstration	DR. BARRON	1, first semester

**Major Clinical Sciences**

MCS 501	Oral Surgery — lecture	DR. THOMA	2, both semesters
MCS 501S	Oral Surgery — seminar	DR. THOMA	both semesters
MCS 501C	Oral Surgery — clinical assignments	DR. THOMA, STAFF	both semesters
MCS 502	Animal Oral Surgery — participation and demonstration	DRS. OLIN, LITWIN	second semester

**Research**

R 50	Oral Surgery — approved investigation and successful defense of thesis	DR. THOMA	8, both semesters (summer)
------	--	-----------	-------------------------------

**Anesthesiology**

ERNEST SNEDDON, M.D.

A one-year program in general anesthesiology is offered to oral surgeons. This course consists of a didactic program as well as clinical training at the Massachusetts Memorial Hospitals. All phases of anesthesiology are offered.

**Periodontology**BERNARD S. CHAIKIN, D.M.D., *Chairman of the Section*

In the first academic year, emphasis is placed on the sciences essential to the understanding of the principles involved in the practice of clinical periodontology, i.e., correlated basic and clinical medical sciences, periodontology, principles of occlusion, orthodontics, oral medicine, oral pathology, research principles, etc. The second year of study is devoted to the clinical practice of this specialty, along with additional instruction in the basic sciences. Each student is expected to conduct a research project during the two-year course of instruction and is encouraged to develop the material secured from the investigation into a thesis, which, when satisfactorily defended, allows the student to become a candidate for the Master of Science in Dentistry (Periodontology) degree.

This program is designed to meet the requirements of the American Board of Periodontology. It is intended for those individuals who wish to engage in teaching and research in the field of periodontology, and also for those interested in clinical

practice as a specialty. Each candidate may select a field of concentration in a basic science; in this instance the program is altered to the needs of the graduate student.

The course of instruction in periodontology includes:\*

#### Preclinical Sciences

PCS 101	Anatomy (head and neck) — lecture and dissection	DR. LASSEK	3, second semester
PCS 102	Microbiology — lecture	DR. BAKER	2, second semester
PCS 103	Pathology — lecture and laboratory	DR. ROBBINS	6, both semesters
PCS 104	Biochemistry — lecture	DR. GOULD	2, both semesters
PCS 105	Oral Pathology — lecture and laboratory	DR. GOLDMAN	6, both semesters
PCS 108	Periodontal Histopathology — lecture and laboratory	DR. GOLDMAN	2, both semesters

#### Clinical Sciences

CS 151	Medicine	DR. BAKST	2, both semesters
CS 152	Surgery	DR. HELFAND	2, both semesters
CS 153	Oral Medicine	DR. GOLDMAN	2, both semesters
CS 154	Dermatology — lecture	DR. MESCON	8 weeks
CS 160	Occlusion	STAFF	2, both semesters

#### Major Clinical Sciences

MCS 201	Periodontology — lecture	DR. RUBEN	2, both semesters
MCS 201S	Periodontology — seminar	STAFF	both semesters
MCS 201C	Periodontology — clinic	DR. CHAIKIN, STAFF	both semesters
MCS 301	Orthodontics — lecture and demonstration	DR. MARGOLIS, STAFF	1, first semester

#### Research

R 20	Periodontology — approved research project and successful defense of thesis	DR. GOLDMAN	8, both semesters (summer)
------	---	-------------	-------------------------------

\*Arabic numeral preceding the semester indicates number of semester credits for each course.

## Orthodontics

HERBERT I. MARGOLIS, D.M.D., *Chairman of the Section*

A biannual course designed for those interested in the clinical practice of orthodontics. Instruction is given in the pertinent preclinical and clinical sciences. The curriculum is arranged so that approximately one half of the time is devoted to supervised clinical practice, during which each student treats an adequate and representative number of cases. The remainder of the time is devoted to lectures and seminars in the basic sciences and clinical subjects related to orthodontics.

The program in orthodontics is designed to provide a broad background of knowledge regarding growth and development of the face and cranium in order that an analysis of dentofacial deformities, as related to orthodontics, may be formulated as an indispensable adjunct to the planning and management of orthodontic therapy. Mechanotherapy and treatment are based on a complete physical and psychological appraisal of the patient, cephalometric analysis of the face and cranium, and detailed and correlated consideration of occlusion as revealed by clinical observations and all other means available to modern orthodontics.

The course consists of two academic years with an intervening summer utilized for clinical practice and/or research, and is designed to provide both the full academic and partial clinical bases for certification by the American Board of Orthodontics.

A student seeking the degree of Master of Science in Dentistry must fulfill a 36 semester credit program with a minimal average of 80 per cent. In addition, the student must complete an original investigation, prepare a thesis, and successfully defend it.

The courses of instruction in orthodontics are as follows:\*

### Preclinical Sciences

PCS 101	Anatomy (head and neck) — lecture and dissection	DR. LASSEK	3, second semester
PCS 111	Oral Histopathology and Pathology —lecture and laboratory	DRS. GOLDMAN, RUBEN	2, both semesters

### Clinical Sciences

CS 158	Biostatistics	DR. STAHL	1, second semester
CS 159	Pediatric Medicine	DR. GELLIS, STAFF	2, both semesters
CS 160	Occlusion	STAFF	2, both semesters

### Major Clinical Sciences

MCS 302	Orthodontics — lecture	DR. MARGOLIS, STAFF	4, both semesters
MCS 302C	Orthodontics — clinic	DR. MARGOLIS, STAFF	both semesters

\*Arabic numeral preceding the semester indicates number of semester credits for each course.



**Clinical Sciences**

CS 151	Medicine	DR. BAKST	2, both semesters
CS 153	Oral Medicine	DR. GOLDMAN	2, both semesters
CS 154	Dermatology — lecture	DR. MESCON	8 weeks

**Major Clinical Sciences**

MCS 401	Endodontics — lecture	DR. SCHILDER	2, both semesters
MCS 401S	Endodontics — seminar	DR. SCHILDER	both semesters
MCS 401C	Endodontics — clinic	DR. SCHILDER, STAFF	both semesters
MCS 201	Periodontology — lecture	DR. RUBEN	2, both semesters

**Research**

R 40	Endodontics — approved investigation and successful defense of thesis	DR. SCHILDER	8, both semesters (summer)
------	---	--------------	-------------------------------

**Restorative Dentistry**

LEO TALKOV, D.M.D., *Chairman of the Section*

A one- or two-year program that has been planned not only to present the theoretical knowledge, but also to strengthen the clinical and laboratory skills of the trainee in all phases of prosthetic dentistry. Special emphasis is given to the correlation of basic periodontology with clinical periodontal prosthesis.

An important aspect of this curriculum is the intensive and systematized library reading requirement which has been designed to acquaint the student with all of the necessary facets of prosthodontics and occlusion.

This program fulfills the full academic and partial clinical requirements of the American Board of Prosthodontics; it also provides a well-rounded background in other phases of clinical dentistry, i.e., endodontics and periodontology.

A student seeking the degree of Master of Science in Dentistry must fulfill a 36 semester credit program with a minimal average of 80 per cent. In addition, the student must complete an original investigation, prepare a thesis, and successfully defend it.

The curriculum in prosthodontics includes:\*

**Preclinical Sciences**

PCS 101	Anatomy (head and neck) — lecture and dissection	DR. LASSEK	3, second semester
PCS 104	Biochemistry — lecture	DR. GOULD	2, both semesters
PCS 105	Oral Pathology — lecture and laboratory	DR. GOLDMAN	6, both semesters
PCS 107	Physiology — lecture	DR. RESNICK	2, first semester

**Clinical Sciences**

CS 153	Oral Medicine — lecture and demonstration	DR. GOLDMAN	2, both semesters
CS 154	Dermatology — lecture	DR. MESCON	8 weeks
CS 157	Surgical Prosthesis — lecture and demonstration	DR. BARRON	1, first semester
CS 160	Occlusion	STAFF	2, both semesters

\*Arabic numeral preceding the semester indicates number of semester credits for each course.

**Major Clinical Sciences**

MCS 601	Fixed and Partial Prosthesis — lecture	DRS. TALKOV, BARABAN	2, both semesters
MCS 601S	Prosthodontics — seminar	DR. TALKOV, STAFF	both semesters
MCS 601C	Prosthodontics — clinic	DR. TALKOV, STAFF	both semesters
MCS 602	Full Denture Prosthesis — lecture	DR. LANDY	2, both semesters
MCS 301	Orthodontics — lecture and demonstration	DR. MARGOLIS, STAFF	2, both semesters
MCS 401	Endodontics — lecture	DR. SCHILDER	2, both semesters
MCS 401C	Endodontics — clinic	DR. SCHILDER, STAFF	both semesters
MCS 201	Periodontology — lecture	DR. RUBEN	2, both semesters
MCS 201C	Periodontology — clinic	DR. CHAIKIN, STAFF	both semesters

**Research**

R 60	Prosthodontics — approved investi- gation and successful defense of thesis	DR. TALKOV	8, both semesters (summer)
------	--	------------	-------------------------------

**Oral Pathology**

HENRY M. GOLDMAN, D.M.D.

The two-year curriculum in oral pathology presents to the student a rich and comprehensive foundation for teaching and research. This course of study provides for a full year in general pathology at the Massachusetts Memorial Hospitals. The student is given an opportunity to participate in gross necropsy procedures; he is required to complete the subsequent pathological reports. In addition, the student assumes the full duties of an intern in pathology so that his knowledge may be enriched with every aspect of general and specialized pathology in allowing a fuller understanding of the normal and pathological processes that may be correlated to the field of oral pathology.

Instruction is given in clinical oral pathology in the outpatient clinics and on the ward services of the Massachusetts Memorial Hospitals.

The second year comprises study in oral pathology as a specialty. There is ample opportunity to review specimens in a registry and also to review daily surgical specimens.

A student seeking the degree of Master of Science in Dentistry must fulfill a 36 semester credit program with a minimal average of 80 per cent. In addition, the student must complete an original investigation, prepare a thesis, and successfully defend it.

The course of study in oral pathology includes:\*

#### Preclinical Sciences

PCS 101	Anatomy (head and neck) — lecture and dissection	DR. LASSEK	3, second semester
PCS 102	Microbiology — lecture	DR. BAKER	2, second semester
PCS 103	Pathology — lecture and laboratory	DR. ROBBINS	6, both semesters
PCS 104	Biochemistry — lecture	DR. GOULD	2, both semesters
PCS 105	Oral Pathology — lecture and laboratory	DR. GOLDMAN	6, both semesters
PCS 106	Pharmacology — lecture	DR. LANZONI	2, first semester
PCS 107	Physiology — lecture	DR. RESNICK	2, first semester
PCS 108	Periodontal Histopathology — lecture and laboratory	DR. GOLDMAN	2, both semesters
PCS 109	Endodontic Histopathology — lecture and laboratory	DR. SCHILDER	1, second semester
PCS 110	Oral Histopathology — laboratory	DR. GOLDMAN, MR. BLOOM	both semesters

#### Clinical Sciences

CS 151	Medicine	DR. BAKST	2, both semesters
CS 152	Surgery	DR. HELFAND	2, both semesters
CS 153	Oral Medicine	DR. GOLDMAN	2, both semesters
CS 154	Dermatology — lecture	DR. MESCON	8 weeks
CS 155	Otolaryngology — lecture	DR. STRONG	2, both semesters
CS 158	Biostatistics	DR. STAHL	1, second semester

#### Major Clinical Sciences

MCS 501	Oral Surgery — lecture	DR. THOMA	2, both semesters
MCS 501S	Oral Surgery — seminar	DR. THOMA	both semesters
MCS 701	Oral and General Pathology	STAFF (MMH)	8, both semesters

#### Research

R 70	Oral Pathology — approved investi- gation and successful defense of thesis	DR. GOLDMAN	8, both semesters (summer)
------	--	-------------	-------------------------------

## Part-Time Study

Under exceptional circumstances, with consent of the Chairman of the Section and the Chairman of the Department of Stomatology, a student may be permitted to enroll for a course of study on a half-time basis. The applicant must be able to demonstrate the academic and personal qualifications necessary for the stringency of the combined scholastic program and private practice.

Acceptance implies the precedence of the course of study over outside employment both as to time and interest.

Complete course schedules are available upon request.

\*Arabic numeral preceding the semester indicates number of semester credits for each course.

## Graduate School Division of Medical Sciences

The rapid expansion of knowledge in the health sciences during the past half century has necessitated a marked "division of labor" quite apart from the development of the numerous medical specialties. The specific requirements for sophisticated teaching, research, and patient care necessitate in each case distinctive training and qualifications. It can be generalized that whereas the physician (M.D.) is primarily responsible for care of the sick and for the clinical training of future physicians, fundamental research and the teaching of the basic medical sciences has devolved largely upon the medical scientist (Ph.D.) and the M.D. who has had additional specialized training. The major training of both groups, however, occurs in schools of medicine. Medical scientists teaching in medical schools are members both of the medical school faculty and that of the graduate school of the university of which the medical school is a part. Hence the term, "Division of Medical Sciences of the Graduate School."

Boston University grants A.M. and Ph.D. degrees in the medical sciences to students pursuing a course of study in the School of Medicine. Such a student must meet the requirements and standards of the Graduate School and of the Division of Medical Sciences which administers the program in the School of Medicine. Students may enroll in this program upon completing their undergraduate requirements, or at any stage in their predoctoral or postdoctoral medical training. A student interested in a program of study leading to an A.M. or Ph.D. degree should consult the Chairman of the Division of Medical Sciences. He must file application forms with the Dean of the Graduate School, 725 Commonwealth Avenue, Boston 15, Massachusetts. If a medical student chooses to interrupt his program for graduate study, he must obtain the permission of the Assistant Dean of the School of Medicine.

Graduate programs must be approved by the Board of the Graduate School and are usually sponsored by one of the following departments: Anatomy, Biochemistry, Microbiology, Pharmacology, Physiology, or Pathology. For detailed information regarding the several programs and prerequisites, consult the Graduate School bulletin, obtainable with application forms directly from the Graduate School.

Financial assistance is often available to help finance graduate education of a qualified applicant, particularly if there is enough time to solicit help. Information regarding financial assistance may be obtained from the department in which the student's major interest lies.

## Breakdown of Hours

SUBJECTS	1ST YEAR		2ND YEAR		3RD YEAR	4TH YEAR	TOTALS
	1ST	2ND	1ST	2ND			
ANATOMY . . . . .	—	—	—	—	—	—	520
Gross . . . . .	280	—	—	—	—	—	—
Micro . . . . .	160	—	—	—	—	—	—
Neuro . . . . .	80	—	—	—	—	—	—
BIOCHEMISTRY . . . . .	—	282	—	—	—	—	282
DERMATOLOGY . . . . .	—	—	—	—	46	—	46
HEALTH CONSERVATION . . . . .	—	—	—	—	—	—	312
Preventive Medicine . . . . .	—	—	—	—	64	—	—
Occupational Health . . . . .	—	—	—	—	16	—	—
Rehabilitation and Physical Medicine . . . . .	—	—	—	—	16	—	—
Medical Care: Legal Aspects Home Medical Service . . . . .	—	—	—	—	16	—	—
Home Medical Service . . . . .	—	—	—	—	—	200	—
MEDICINE . . . . .	—	—	—	132	239	384	860
Physical Diagnosis . . . . .	—	—	—	75	—	—	—
Clinical Pathology . . . . .	—	—	—	93	—	—	—
MICROBIOLOGY . . . . .	—	—	165	—	—	—	240
Immunology . . . . .	—	—	30	—	—	—	—
Parasitology . . . . .	—	—	45	—	—	—	—
NEUROLOGY . . . . .	—	—	—	—	44	16	90
Neuropathology . . . . .	—	—	—	30	—	—	—
OBSTETRICS AND GYNECOLOGY . . . . .	—	—	—	—	—	—	361
Obstetrics . . . . .	—	—	13	14	72	100	—
Gynecology . . . . .	—	—	—	—	62	100	—
OPHTHALMOLOGY . . . . .	—	—	—	—	42	—	42
ORTHOPEDIC AND FRACTURE SURGERY . . . . .	—	—	—	—	62	—	62
OTOLARYNGOLOGY . . . . .	—	—	—	—	42	—	42
PATHOLOGY . . . . .	—	—	138	132	36	—	350
Clinical-Pathological Conferences . . . . .	—	—	—	—	32	—	—
Legal Medicine . . . . .	—	—	—	—	12	—	—
PEDIATRICS . . . . .	—	—	—	—	63	200	263
PHARMACOLOGY . . . . .	—	—	197	—	—	—	197
PHYSIOLOGY . . . . .	—	294	—	—	—	—	294
PSYCHIATRY . . . . .	21	21	19	37	60	200	358
RADIOLOGY . . . . .	15	—	—	—	31	—	46
SURGERY . . . . .	16	—	—	24	150	400	598
Anesthesiology . . . . .	—	—	—	—	6	—	—
Stomatology . . . . .	—	—	—	—	2	—	—
UROLOGY . . . . .	—	—	—	6	54	—	60
GENERAL . . . . .	—	—	—	—	—	—	226
Tutorial . . . . .	23	23	—	—	—	—	—
Basic Science Lectures . . . . .	—	—	—	—	30	30	—
University Lectures . . . . .	15	15	15	15	30	30	—
	610	635	622	495			
	1,245		1,117		1,227	1,660	5,249

First Academic Year — First Semester — 16 weeks

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-12	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy
12-1			Clinical Correlation	X-ray		
1-2		Anatomy			Gross Anatomy (1-4)	
2-3	Gross Anatomy	Gross Anatomy	Gross Anatomy	Gross Anatomy	Psychiatry (4-5)	
3-5					(5 sessions from 5-6)	
5-6		Tutorial		University Lectures		

First Academic Year — Second Semester — 16 weeks

9-9:55	Physiology Lecture	Biochemistry Lecture	Psychiatry*	Physiology Lecture	Biochemistry Lecture	
10-10:55	Biochemistry Lecture	Physiology Lecture	Biochemistry Lecture	Biochemistry Lecture	Physiology Lecture	
11-11:55			Clinical Correlation			
1-2	Biochemistry Laboratory	Physiology Laboratory	Physiology Lecture	Biochemistry Laboratory	Physiology Laboratory	
2-5			Physiology Laboratory			
5-6		Tutorial		University Lectures		

\*9 Wednesdays begin at 8:30; 2 Wednesdays begin at 8:00.

## Second Academic Year — First Semester — 16 weeks

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9			Obstetrics		Psychiatry (5 weeks)	
9-9:55			Pharmacology	Pharmacology	Pharmacology	Microbiology
10-10:55	Pharmacology	Pharmacology	Microbiology		Microbiology	
11-11:55	Psychiatry					
12-1						
1-2						
2-5	Pathology	Microbiology	Pathology	Microbiology	Pathology	
5-6				University Lectures		

## Second Academic Year — Second Semester — 16 weeks

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9		Obstetrics				Psychiatry
9-9:55		Medicine	Physical Diagnosis	Surgery	Physical Diagnosis	Clinical Pathology ***
10-10:55	Physical Diagnosis	Clinical Pathology ***		Clinical Pathology ***		Interview Techniques in Psychiatry
11-11:55		Neuropathology		Neuropathology		
12-1						
1-2		Surgery Urology		Medicine		
2-3						
2-5	Pathology		Pathology		Pathology	
5-6				University Lectures		

Third Academic Year — 34 weeks

	8:00-9:00	9:15-12:15	12:15-1:00	1:00-2:00	2:30-4:00
<b>Monday</b>	Fracture Surgery Medicine	Clinics*		Radiology Pediatrics	Sections
<b>Tuesday</b>	8:00-9:00	9:15-12:15	12:15-1:00	1:00-2:00	2:00-5:00
	Orthopedic Surgery Obstetrics Medicine	Clinics*		Anesthesiology Otolaryngology Neurology	Preventive Medicine Rehabilitation and Physical Medicine Occupational Health
<b>Wednesday</b>	8:00-9:00	9:15-12:15	12:15-1:00	1:00-2:00	2:00-3:00
	Surgery	Clinics*		Urology Basic Science Lectures	Psychiatry
<b>Thursday</b>	8:00-9:00	9:15-12:15	12:15-1:00	1:00-2:00	2:00-4:00
	Orthopedic Surgery Ophthalmology Medicine	Clinics*		Dermatology Gynecology Stomatology	Psychiatry Conference Surgery Conference Robert Breck Brigham Radiology Conference
<b>Friday</b>	8:00-9:00	9:15-12:00	12:00-1:00	1:00-2:00	2:15-3:45
	Orthopedic Surgery Medical Clinics	Clinics*	Clinical Pathological Conferences	Tumor Conference	Sections
<b>Saturday</b>	8:00-9:00	9:15-12:15			
	Surgical Clinics	Clinics*			4:15-5:30 Legal Medicine

\*Clinics: Medicine, Surgery, Obstetrics, Gynecology, Pediatrics, Pathology, Neurology, Urology, Dermatology, Ophthalmology, Otolaryngology, Orthopedic and Fracture Surgery, Neurosurgery.

## Fourth Academic Year — 50 weeks

	1	2	3	4	5	6
Morning		Medicine (BCH/MMH/VA)	Medicine (BCH/MMH/VA)	Surgery (BCH/MMH/VA)	Surgery (BCH/MMH/VA)	Home Medical Service
Afternoon						Pediatrics
Morning						
Afternoon		Clinical Psychiatry	Obstetrics	Elective	Elective	Vacation

The fourth year is entirely clinical. The schedule indicated above is divided into twelve (12) periods, the order of clinics being variable for each student.  
 Basic Science Lectures: Wednesdays, 1-2.  
 University Lectures: Thursdays, 5-6.

# Hospital Appointments

## Class of June, 1963

<i>Name</i>	<i>Hospital</i>	<i>Service</i>
Anteski, Michael, Jr.	Newton-Wellesley Hospital, Newton Lower Falls	Rotating
Barry, George C.	Maine Medical Center, Portland, Me.	Rotating
Battin, Isaac L., Jr.	Mount Auburn Hospital, Cambridge	Rotating
Bellows, A. Robert	Massachusetts Memorial Hospitals	Medicine
Bennett, Alan H.	University of Florida Hospital, Gainesville, Fla.	Surgery
Bickham, Richard E.	Wayne County General Hospital, Eloise, Mich.	Rotating
Bliss, Charles M.	Boston City Hospital	Medicine
Boltax, Robert S.	Grace-New Haven Hospital, New Haven, Conn.	Surgery
Borit, Judith Szappanos	St. Elizabeth's Hospital, Brighton	Rotating
Brown, Ethel	Bronx Municipal Hospital Center, New York, N. Y.	Pediatrics
Brown, Robert B.	Long Island Jewish Hospital, New Hyde Park, L. I., N. Y.	Rotating
Callahan, Edward W., Jr.	The New York Hospital, New York, N. Y.	Medicine
Casat, Charles D.	St. Vincent's Hospital, New York, N. Y.	Rotating
Cea, Richard J.	St. Luke's Hospital, New York, N. Y.	Mixed
Civetta, Joseph M.	Massachusetts General Hospital	Surgery
Comte, Charles F.	Denver General Hospital, Denver, Colo.	Rotating
Currier, Charles B., Jr.	Mount Auburn Hospital	Mixed
Diamond, Michael A.	Kings County Hospital Center, Brooklyn, N. Y.	Medicine
Flynn, Chester J., Jr.	Beverly Hospital, Beverly	Rotating
Forster, Richard K.	Boston City Hospital	Medicine
Gabriel, Ronald S.	Los Angeles County Hospital, Los Angeles, Calif.	Rotating
Garami, George	Long Island Jewish Hospital, New Hyde Park, L. I., N. Y.	Rotating
Gentry, William C., Jr.	Mary Hitchcock Memorial Hospital, Hanover, N. H.	Rotating
Gundersen, Charles A.	Hartford Hospital, Hartford, Conn.	Rotating
Ham, Richard M.	Strong Memorial Hospital, Rochester, N. Y.	Pediatrics
Haseotes, Hytho V.	Boston City Hospital	Surgery
Herzog, John P.	Massachusetts Memorial Hospitals	Medicine
Hirsh, Michael G.	Genesee Hospital, Rochester, N. Y.	Rotating
Hochberg, Victor I.	Massachusetts Memorial Hospitals	Medicine
Hull, James A.	Boston City Hospital	Pediatrics
Judkins, Richard F.	Rhode Island Hospital, Providence, R. I.	Rotating
Kameny, Stuart M.	Georgetown University Hospital, Washington, D. C.	Medicine
Kazamias, Thomas M.	Georgetown University Hospital, Washington, D. C.	Mixed
Kechejian, Sarkis J.	St. Luke's Hospital, New York, N. Y.	Mixed
Kim, Cyril K.	St. Francis Hospital, Hartford, Conn.	Rotating
Kivelson, Nina	San Francisco Hospital, San Francisco, Calif.	Rotating
Krukonis, Edward E.	Boston City Hospital	Pathology

<i>Name</i>	<i>Hospital</i>	<i>Service</i>
Lang, John L.	Denver General Hospital, Denver, Colo.	Rotating
LaPierre, Gerald N.	Beverly Hospital, Beverly	Rotating
Lee, William Y.	Cook County Hospital, Chicago, Ill.	Rotating
Levovsky, Louis B.	Bellevue Hospital, New York, N. Y.	Medicine
Ludwig, Peter C.	Cincinnati Hospital, Cincinnati, Ohio	Rotating
MacLeod, Allan R.	Beverly Hospital, Beverly	Rotating
Martonffy, Denes	University of Chicago Clinics, Chicago, Ill.	Rotating
Mason, Richard T.	University of Utah Affiliated Hospital, Salt Lake City	Rotating
McCarthy, Thomas C.	San Francisco Hospital, San Francisco, Calif.	Rotating
McDonald, Jeremiah P.	Boston City Hospital	Medicine
Minsky, Barry	Rhode Island Hospital, Providence, R. I.	Rotating
Olsson, Carl A.	Massachusetts Memorial Hospitals	Surgery
Pasternack, Jonathan B.	Albany Hospital, Albany, N. Y.	Rotating
Perlmutter, Burt M.	Massachusetts Memorial Hospitals	Medicine
Poplack, William E.	Rhode Island Hospital, Providence, R. I.	Rotating
Richman, Marc W.	Albany Hospital, Albany, N. Y.	Medicine
Rose, Cynthia P.	University of California Hospitals, San Francisco, Calif.	Pediatrics
Rosenreich, Saul J.	Jersey City Medical Center, Jersey City, N. J.	Medicine
Ruggeri, Robert W.	Cincinnati General Hospital, Cincinnati, Ohio	Rotating
Semel, George H.	Los Angeles County Hospital, Los Angeles, Calif.	Rotating
Shapiro, Felix L.	Mount Zion Hospital, San Francisco, Calif.	Rotating
Stephenson, John N.	Henry Ford Hospital, Detroit, Mich.	Rotating
Stern, Arnold I.	Bellevue Hospital, New York, N. Y.	Medicine
Taggart, Francis H., Jr.	Boston City Hospital	Surgery
Taylor, Andrew L.	Georgetown University Hospital, Washington, D. C.	Medicine
Villiotte, James D.	St. Elizabeth's Hospital, Brighton	Rotating
Wabrek, Alan J.	Beverly Hospital, Beverly	Rotating
Waldron, Gail	Mount Auburn Hospital, Cambridge	Mixed
Wanat, Francis E.	Bellevue Hospital, New York, N. Y.	Mixed
Wells, Harriet V.		
Wempen, Ronald R.		
Wieting, William F.	New Britain General Hospital, New Britain, Conn.	Rotating
Winchester, Jane A.	Rhode Island Hospital, Providence, R. I.	Rotating
Woo, Sybil W.	Beverly Hospital, Beverly	Rotating
Wyman, Herbert M.	Montefiore Hospital, New York, N. Y.	Mixed
Zavarine, Richard	Strong Memorial Hospital, Rochester, N. Y.	Mixed

# Register of Students

## Class of June, 1964

Aldin, Peter . . . . .	New York, N.Y.	MacLean, Thomas A. . . . .	Quincy
B.A., 1954, M.A., 1955, City College of New York		B.S., Boston College, 1960	
Andersen, Edward P. . . . .	Dorchester	Marcaccio, John R. . . . .	Providence, R.I.
A.B., College of the Holy Cross, 1960		B.S., Boston College, 1960	
Babineau, J. Paul . . . . .	Fitchburg	Marcotte, Gilbert E. . . . .	Lewiston, Me.
A.B., Assumption College, 1960		A.B., College of the Holy Cross, 1959	
Bagnoli, Thomas C. . . . .	Englewood, N.J.	Maroun, William J. . . . .	Providence, R.I.
A.B., Harvard University, 1960		A.B., Providence College, 1958	
Bowman, Robert G. . . . .	Dorchester	M.S., St. John's University, 1960	
B.A., University of Notre Dame, 1958		Marrocco, Peter A. . . . .	Ridgewood, N.J.
Boyd, Martha B. . . . .	Brookline	B.S., Georgetown University, 1958	
B.A., Northeastern University, 1958		Martone, Thomas A. . . . .	New Haven, Conn.
Breed, Putnam P. . . . .	Lynn	B.S., Fairfield University, 1960	
B.A., Amherst College, 1960		Mitchell, Anita L. . . . .	Ridgewood, N.J.
Brodzinski, Water J. . . . .	Perth Amboy, N.J.	A.B., Mt. Holyoke College, 1960	
B.S., Rutgers University, 1951		Monafo, Virginia A. . . . .	Dorchester
Brown, James R. . . . .	Salem	A.B., Radcliffe College, 1958	
B.S., University of Massachusetts, 1960		Moylan, Joseph A., Jr. . . . .	Jamaica Plain
Buckley, Kenneth T. . . . .	Jamaica Plain	A.B., Fairfield University, 1960	
B.S., Boston College, 1960		Nagel, Doris B. . . . .	Valley Stream, N.Y.
Burroughs, Robert S. . . . .	Kensington, Conn.	A.B., Cornell University, 1957	
B.S., College of the Holy Cross, 1960		Palacas, Chris G. . . . .	Boston
Bushell, Ronald A. . . . .	Forest Hills, N.Y.	A.B., Harvard University, 1959	
B.A., Hobart College, 1952		Pettit, Donald R. . . . .	Staten Island, N.Y.
Chen, Joyce Liu . . . . .	Scarsdale, N.Y.	B.A., Amherst College, 1960	
A.B., Radcliffe College, 1960		Pollock, Henry M. . . . .	Togus, Me.
Chen, S. C. Andrew . . . . .	New York, N.Y.	A.B., Bowdoin College, 1960	
S.B., Massachusetts Institute of Technology, 1958		Pottier, David W. . . . .	Taunton
Cocchiarella, John P. . . . .	Milford	A.B., 1955, A.M., 1956, Boston University	
A.B., Clark University, 1960		Provost, Pierre E. . . . .	Augusta, Me.
Cox, Frederick E. . . . .	Braintree	A.B., Cornell University, 1960	
A.B., Boston University, 1960		Roberts, John M. . . . .	So. Portland, Me.
Crummy, Charles S. . . . .	Short Hills, N.J.	A.B., Colby College, 1960	
A.B., Bowdoin College, 1960		Rosenfeld, Robert A. . . . .	Queens Village, N.Y.
Di Troia, Joseph F. . . . .	Winthrop	B.S., Union College, 1960	
A.B., Harvard University, 1958		Russo, Vincent J. . . . .	New York, N.Y.
Dushku, Nicholas . . . . .	Boston	A.B., Columbia University, 1960	
A.B., Boston University, 1960		Seymour, Robert M. . . . .	Greenville, S.C.
Ellison, Lee H. . . . .	West Hartford, Conn.	A.B., Kenyon College, 1959	
B.S., College of William and Mary, 1960		Shearing, Steven P. . . . .	Waltham
Estes, Joseph W. . . . .	Lexington, Ky.	A.B., Cornell University, 1956	
A.B., Harvard University, 1955		M.A., Brandeis University, 1959	
England, Mary Jane . . . . .	Brighton	Shepard, James W. . . . .	Brookline
A.B., Regis College, 1959		A.B., Dartmouth College, 1959	
England, Robert A. . . . .	Lenox	Smith, Duane L. . . . .	Columbus, Ohio
A.B., Cornell University, 1956		B.S., Denison University, 1960	
Farbman, Kenneth . . . . .	Revere	Sparks, James T. . . . .	Brockton
A.B., Brandeis University, 1959		B.S., Stonehill College, 1958	
Frankel, Howard J. . . . .	Chatham, N.J.	M.S., Boston College, 1960	
A.B., Dartmouth College, 1960		Szostak, Robert J. . . . .	Norwich, Conn.
Grentzenberg, Richard V. . . . .	Auburndale	B.A., University of Connecticut, 1960	
B.S., Bates College, 1960		Taylor, Charles E. . . . .	Westwood
Howe, Caroline . . . . .	Natick	A.B., Harvard University, 1960	
B.A., Wellesley College, 1958		Teebagy, Charles E. . . . .	West Roxbury
Kearney, James A., Jr. . . . .	Jackson Mills, N.J.	A.B., Boston University, 1960	
B.S., Rutgers University, 1953		Vaughn, Kenneth W., Jr. . . . .	Marinette, Wisc.
Kelly, Brenda M. . . . .	Winthrop	A.B., Columbia University, 1960	
B.S., Boston College, 1960		Waksman, Murray W. . . . .	Brooklyn, N.Y.
Kline, Thornton C., Jr. . . . .	Oceanside, N.Y.	B.S., Brooklyn College, 1958	
A.B., Dartmouth College, 1960		Walker, Sydney . . . . .	Pasadena, Calif.
Kohler, Elaine H. . . . .	Vermont	A.B., University of California—Los Angeles, 1953	
A.B., Radcliffe College, 1960		Wright, Kinsman E., Jr. . . . .	Norwood, N.Y.
Lawrence, Ruth M. . . . .	Situate	A.B., Hamilton College, 1960	
B.S., University of Massachusetts, 1960		Yannuzzi, Lawrence A. . . . .	Newark, N.J.
Litman, George I. . . . .	Chelsea	A.B., Harvard University, 1959	
B.S., Boston College, 1960		Zerner, John . . . . .	Dutchess, N.Y.
		A.B., Columbia University, 1960	

## Class of June, 1965

- Allen, Irving M. . . . . South Bend, Ind.  
A.B., Brown University, 1961
- Angermeyer, Martin C. . . . . Webster Grove, Mo.  
A.B., Harvard University, 1958
- Apuzzo, Michael L. . . . . New Haven, Conn.  
B.A., Yale University, 1961
- Barnard, Donna H. . . . . Milton  
A.B., Barnard College, 1960
- Barnard, Douglas E. . . . . Winchester  
B.S., Washington & Lee University, 1960
- Bennett, Harry W., Jr. . . . . Manchester, N.H.  
A.B., Bates College, 1958
- Bete, John M. . . . . Marion  
B.S., Tufts University, 1960
- Bloch, Franca S. R. . . . . Wellesley Hills  
A.B., University of California, 1946  
A.M., Radcliffe College, 1949
- Block, Michael G. . . . . So. Orange, N.J.  
B.S., Rensselaer Polytechnic Institute, 1959  
A.M., Boston University, 1961
- Borden, Harvey H. . . . . Lynn  
A.B., Boston University, 1961
- Brown, Robert H. . . . . West Long Branch, N.J.  
A.B., Colby College, 1961
- Christmas, William A. . . . . Jacksonville, Fla.  
A.B., Bowdoin College, 1961
- Clark, Peter L. . . . . Andover  
A.B., Brown University, 1961
- Clayman, Curtis R. . . . . Chelsea  
A.B., Harvard University, 1959
- Cloutier, Charles T. . . . . Plymouth  
A.B., Boston University, 1960
- Daly, Benedict D. T. . . . . West Roxbury  
A.B., Georgetown University, 1961
- Davidson, Frank F., Jr. . . . . Wellesley Hills  
B.A., Amherst College, 1958
- deLaChapelle, Alain A. . . . . Larchmont, N.Y.  
A.B., Columbia University, 1960
- Dilworth, Raymond D. . . . . Pittsburgh, Pa.  
A.B., Dartmouth College, 1960
- Dooling, Elizabeth C. . . . . New York, N.Y.  
A.B., Vassar College, 1959
- Garvin, David J. . . . . Revere  
B.S., Boston College, 1961
- Golub, Burton P. . . . . Brookline  
S.B., Massachusetts Institute of Technology,  
1961
- Greenleaf, David T. . . . . East Providence, R.I.  
A.B., Providence College, 1961
- Griswold, Douglas M. . . . . Greenwich, Conn.  
B.A., Yale University, 1961
- Gurian, Bennett S. . . . . Brookline  
A.B., Brandeis University, 1954  
Sc.M., Brown University, 1956
- Gurland, David B. . . . . Brooklyn, N.Y.  
B.A., Williams College, 1961
- Hamilton, Ann E. . . . . Waltham  
B.S., Tufts University, 1960
- Hamilton, George E., Jr. . . . . Glen Ridge, N.Y.  
A.B., Columbia University, 1961
- Hand, Bernard R. . . . . Syracuse, N.Y.  
A.B., Providence College, 1961
- Hasiotis, George A. . . . . Boston  
A.B., Harvard University, 1958
- Healey, Eugene H. . . . . Pawtucket, R.I.  
A.B., Providence College, 1961
- Hermos, John A. . . . . Englewood, N.J.  
A.B., Rutgers University, 1961
- Holmes, Edgar M., III . . . . . Auburndale  
A.B., Bates College, 1955
- Howell, James B. . . . . Lititz, Pa.  
B.S., University of Pennsylvania, 1960
- Hutchison, David . . . . . Woodbridge, Conn.  
B.S., Columbia University, 1939
- Igou, Raymond A. . . . . Anthony, N.M.  
B.S., New Mexico State University, 1955
- Kelleher, Mark D. . . . . North Weymouth  
A.B., Harvard University, 1960
- Kelley, Russell R. . . . . Lawrence  
A.B., Boston University, 1960
- Kelly, Peter C. . . . . Waban  
A.B., Providence College, 1961
- Kenerson, Robert E. . . . . Wellesley Hills  
A.B., Dartmouth College, 1960
- Lappeman, Myron A. . . . . Clayton, Mo.  
A.B., Cornell University, 1961
- Ledewitz, Howard M. . . . . Longmeadow  
B.S., University of Massachusetts, 1956
- McCormick, John R. . . . . Los Angeles, Calif.  
B.S., Loyola University, 1961
- McMahon, Shirley A. . . . . West Caldwell, N.J.  
A.B., Middlebury College, 1956
- Meissner, Rosalie J. . . . . W. Hartford, Conn.  
B.A., University of Connecticut, 1961
- Mendez, Hernan F. . . . . Camuy, Puerto Rico  
B.A., Inter-American University, 1961
- Moore, David W. . . . . Wellesley  
A.B., Colby College, 1961
- Nelson, Ralph A. . . . . Danvers  
B.S., Bates College, 1961
- Ng, Frederick Y. F. . . . . Perak, Malaya  
B.S., Yale University, 1961
- Parsons, Edward F. . . . . Shaker Heights, Ohio  
A.B., Bowdoin College, 1957
- Pettapiece, Milton C., Jr. . . . . Portland, Me.  
B.S., Tufts University, 1958
- Pho Ba Da . . . . . Saigon, So. Vietnam  
A.B., Harvard University, 1961
- Pong, Raymond S. . . . . Hong Kong, China  
A.B., Dartmouth College, 1960
- Poor, Stephen J., III . . . . . Stratford, Conn.  
B.S., Fairfield University, 1959  
M.S., Rutgers University, 1960
- Postman, Louise Y. . . . . Bedford  
B.A., Sarah Lawrence College, 1956
- Quamina, B. Andre . . . . . Rochester  
B.S., Duquesne University, 1960
- Rice, Nancy E. . . . . Worcester  
B.A., Elmira College, 1960
- Rosenlund, Mary L. . . . . Fairview Village, Pa.  
B.A., Chestnut Hill College, 1948  
M.S., Boston University, 1950
- Rotenberg, Donald A. . . . . Fall River  
B.S., Trinity College, 1961
- Sampogna, Dominic . . . . . Elmont, N.Y.  
B.A., Hofstra College, 1960
- Scanlon, John W. . . . . Rochester  
A.B., Columbia University, 1961
- Shen, Shiao-Wei . . . . . Formosa, China  
A.B., Dartmouth College, 1960
- Smith, William E. . . . . Boston  
A.B., Dartmouth College, 1958
- Spector, Richard E. . . . . Malden  
B.A., Tufts University, 1961
- Sullivan, Ronald C. . . . . Dorchester  
B.S., College of the Holy Cross, 1960
- Vaicaitis, John S. . . . . South Boston  
A.B., Boston University, 1961
- Vrees, Peter A. . . . . Lynn  
A.B., Boston University, 1961
- Weinstock, Murray . . . . . West New York, N. J.  
B.S., Rutgers University, 1956
- Whalen, Joseph P. . . . . Rosindale  
A.B., Boston College, 1961
- Young, Lily Moo . . . . . Jamaica, West Indies  
A.B., Emmanuel College, 1961
- Zevin, Ronald A. . . . . Newark, N. J.  
B.S., Rutgers University, 1957

## Class of June, 1966

- Annunziata, Michael S. . . . . Boston  
 B.S., Boston College, 1962  
 Avery, Irwin . . . . . Newton Centre  
 A.B., Harvard University, 1960  
 Bachmann, William T. . . . . Short Hills, N. J.  
 A.B., Williams College, 1962  
 Balian, Epiphane K. . . . . Providence, R. I.  
 B.Sc., American University of Beirut, 1960  
 Ballou, James M., III. . . . . Keene N. H.  
 B.A., 1960, B.S., 1961, University of N. H.  
 Barrett, John J. . . . . Goshen, Conn.  
 B.A., Yale University, 1961  
 Beekley, William H. . . . . Scarsdale, N. Y.  
 Bowdoin College  
 Billowitz, Aaron T. . . . . Snyder, N. Y.  
 A.B., Brown University, 1962  
 Bland, Richard D. . . . . White Plains, N. Y.  
 B.A., Yale University, 1962  
 Bleicher, Michael A. . . . . Woodmere, N. Y.  
 A.B., Columbia University, 1962  
 Boris, Stephen V. . . . . Yonkers, N. Y.  
 A.B., Columbia University, 1962  
 Coccoluto, Ralph E. . . . . Woburn  
 A.B., Dartmouth College, 1962  
 Cote, Robert P. . . . . Manchester, N. H.  
 A.B., Assumption College, 1962  
 Coutu, Ronald E. . . . . Lincoln, R. I.  
 A.B., Assumption College, 1962  
 D'Alessandro, David A. I. . . . . So. Orange, N. J.  
 B.A., Cornell University, 1961  
 Deckers, Peter J. . . . . Worcester  
 A.B., College of the Holy Cross, 1962  
 Dragonas, Peter H. . . . . Beverly  
 A.B., Bowdoin College, 1959  
 Elia, Philip R. . . . . Jamaica Plain  
 A.B., Amherst College, 1962  
 Fine, I. Howard . . . . . Eastchester, N. Y.  
 S.B., Massachusetts Institute of Technology, 1961  
 Foote, Daniel D. . . . . Brookline  
 A.B., Duke University, 1960  
 Friedman, Stephen J. . . . . Neponsit, N. Y.  
 A.B., Columbia University, 1962  
 Gallagher, Dorothy T. . . . . Hartford, Conn.  
 A.B., Rosemont College, 1962  
 Gasset, Antonio R. . . . . Arlington  
 B.S., Colegio de Balen, 1955  
 Gitman, Paul A. . . . . Brooklyn, N. Y.  
 A.B., Columbia University, 1962  
 Goldenfarb, Paul B. . . . . Milton  
 A.B., Harvard University, 1962  
 Goldman, Gerald C. . . . . Brookline  
 A.B., Harvard University, 1962  
 Goodman, Tobias M. . . . . Salem  
 A.B., Harvard University, 1962  
 Grimes, Edward T. . . . . Central Falls, R. I.  
 A.B., Providence College, 1961  
 Gurnack, William E., Jr. . . . . Columbia, Conn.  
 A.B., Boston University, 1962  
 Hegener, Diane H. . . . . Norwell  
 S.B., Simmons College, 1960  
 Hyland, William T. . . . . Wayland  
 A.B., Harvard University, 1962  
 Iannotti, Harry M. . . . . Providence, R. I.  
 A.B., Providence College, 1962  
 Iovino, Joseph F. . . . . Milton  
 A.B., Boston University, 1962  
 Ise, Carolyn E. . . . . Cranston, R. I.  
 A.B., Smith College, 1959  
 Joseph, Edward . . . . . Brookline  
 A.B., Harvard University, 1955  
 Karush, Nathaniel P. . . . . New Rochelle, N. Y.  
 A.B., Columbia University, 1962  
 Leste, Richard C. . . . . Suffield, Conn.  
 A.B., Brown University, 1962  
 Lind, Dennis B. . . . . New Brunswick, N. J.  
 A.B., Franklin & Marshall College, 1962  
 Matthews, Richard L. . . . . Barrington, R. I.  
 B.S., Wheaton College, 1962  
 Maxwell, William H. . . . . Portland, Me.  
 B.A., Middlebury College, 1961  
 Merrill, Richard H. . . . . Pittsfield  
 A.B., Bowdoin College, 1962  
 Meyrowitz, Ralph E. . . . . Syosset, N. Y.  
 A.B., Amherst College, 1962  
 Migliore, Joseph J. . . . . New York, N. Y.  
 A.B., Columbia University, 1959  
 Milchenski, Carol Ann . . . . . So. Windsor, Conn.  
 A.B., Boston University, 1962  
 Mulvany, David J. . . . . Cumberland, R. I.  
 Providence College  
 Nigro, John M. . . . . West Newton  
 B.A., University of Vermont, 1961  
 Olanoff, Martin . . . . . Brooklyn, N. Y.  
 B.A., Amherst College, 1962  
 Panteledes, George . . . . . Boston  
 B.S., University of New Hampshire, 1962  
 Pedini, Kenneth J. . . . . West Hartford, Conn.  
 B.A., Trinity College, 1962  
 Pompeo, Roger A. . . . . Cohasset  
 A.B., Bowdoin College, 1962  
 Pouliot, Gerald J. . . . . Lawrence  
 A.B., Brown University, 1962  
 Richman, Stephen J. . . . . New London, Conn.  
 A.B., Brown University, 1962  
 Rothman, Herbert L. . . . . Douglaston, N. Y.  
 B.S., Brooklyn College, 1958  
 M.S., New York University, 1960  
 Sanders, Marjorie B. . . . . Brighton  
 S.B., Simmons College, 1962  
 Schneider, Edward L. . . . . Charlotte, N. C.  
 B.S., Rensselaer Polytechnic Institute, 1961  
 Schwartz, Peter A. . . . . Brookline  
 A.B., Harvard University, 1962  
 Shea, John A. . . . . Salem  
 B.S., Boston College, 1962  
 Shea, William H., Jr. . . . . Springfield  
 B.S., College of the Holy Cross, 1962  
 Sheehy, Martin J. . . . . Brooklyn, N. Y.  
 B.S., College of the Holy Cross, 1962  
 Skura, Arthur S. . . . . Lynn  
 A.B., Boston University, 1960  
 Sulkin, Michael D. . . . . Newton  
 A.B., University of Pennsylvania, 1961  
 Touborg, Jens N.F. . . . . Tecumseh, Mich.  
 A.B., Amherst College, 1961  
 Tragakis, Michael . . . . . Boston  
 A.B., Boston University, 1962  
 Tramont, Edmund C. . . . . Wethersfield, Conn.  
 B.S., Rutgers University, 1962  
 Vaitukaitis, Judith L. . . . . Windsor Locks, Conn.  
 B.S., Tufts University, 1962  
 Weeber, Charles H., III. . . . . Norfolk  
 A.B., University of Massachusetts, 1962  
 Weinman, Edward J. . . . . Bronx, N. Y.  
 A.B., Columbia University, 1961  
 Williams, Victor T. . . . . Pago Pago, American Samoa  
 B.S., Eastern Illinois University, 1960  
 Wolanske, Stephen D. . . . . Greenfield  
 A.B., Brown University, 1962  
 Yager, Henry M. . . . . Upper Montclair, N. J.  
 A.B., Hamilton College, 1962  
 Zicko, Norma C. . . . . Natick  
 A.B., Boston University, 1962  
 Zornow, David H. . . . . Pittsford, N. Y.  
 A.B., Cornell University, 1960

## Class of June, 1967

- Allen, Paul D. . . . . Warren, Ohio  
Boston University
- Alpert, Stephen M. . . . . Bangor, Me.  
Boston University
- Baher, Cambiz . . . . . New York, N. Y.  
A.B., Harvard University, 1963
- Bailen, David A. . . . . Newton Centre  
A.B., Brown University, 1963
- Bedine, Marshall S. . . . . Hewlett, N. Y.  
A.B., Brown University, 1963
- Bell, Martin L. . . . . Brookline  
Boston University
- Berkowitz, Wallace P. . . . . Jersey City, N. J.  
B.S., University of Notre Dame, 1963
- Blake, Paul A. . . . . Dumont, N. J.  
Boston University
- Blocker, Richard J. . . . . Newton  
Boston University
- Bonacci, Anthony F. . . . . Cambridge  
A.B., Boston College, 1963
- Borkow, Richard B. . . . . Newton Centre  
A.B., Brandeis University, 1963
- Bradford, Susan E. . . . . Granby  
Boston University
- Brown, Jay H. J. . . . . Millis  
A.B., Harvard University, 1963
- Castleman, Carol Ann . . . . . Newton Upper Falls  
S.B., Simmons College, 1963
- Cea, Ann C. . . . . Pelham Manor, N. Y.  
B.A., Northwestern University, 1963
- Chaset, Richard B. . . . . Providence, R. I.  
A.B., Brown University, 1963
- Crandall, Jeffrey B. . . . . Rochester, N. Y.  
A.B., University of Rochester, 1963
- Damijonaitis, Egle . . . . . Poughkeepsie, N. Y.  
Boston University
- DeIpolyi, Peter D. . . . . Saranac Lake, N. Y.  
Boston University
- Del Monte, Mary L. . . . . New Rochelle, N. Y.  
B.A., College of New Rochelle, 1963
- Doiron, Wilfrid F. . . . . Lawrence  
Boston University
- Dubiel, Gail C. . . . . New Bedford  
Boston University
- Edmonds, William J. . . . . Newtonville  
B.Mus., North Texas State University, 1957
- Fineberg, Edward M. . . . . Newton Centre  
B.A., Wesleyan University, 1963
- Ganick, Ralph G. . . . . Belmont  
Boston University
- Garick, Edward I. . . . . Bar Harbor, Me.  
B.A., Bowdoin College, 1959  
M.A., Yale University, 1960
- Ginzburg, Harold M. . . . . Brooklyn, N. Y.  
Boston University
- Goldstein, Martin S. . . . . Somerville, N. J.  
Boston University
- Goldwasser, Richard P. . . . . Teaneck, N. J.  
A.B., Columbia University, 1963
- Gothard, David W. . . . . Nashville, Tenn.  
Boston University
- Grayson, Edward V. . . . . Brooklyn, N. Y.  
Boston University
- Halperin, Joseph R. . . . . Springfield  
A.B., American International College, 1963
- Haymes, Arthur J. . . . . New York, N. Y.  
Boston University
- Healy, Gerald B. . . . . Belmont  
Boston College, 1963
- Healy, Robert W. . . . . Dorchester  
Northeastern University
- Heller, David G. . . . . Herkimer, N. J.  
Boston University
- Hiebert, John M. . . . . Wichita, Kansas  
A.B., Kansas University, 1962
- Holmes, Ralph E. . . . . San Diego, Calif.  
Boston University
- Iverson, David R. . . . . Bayport, N. Y.  
A.B., University of Rochester, 1963
- Jensen, Katherine A. . . . . Stockton, Calif.  
Boston University
- Latham, David J. . . . . Reading  
A.B., Clark University, 1963
- Lawring, James F., III . . . . . Longmeadow  
A.B., Williams College, 1963
- Levy, Howard I. . . . . Queens Village, N. Y.  
Boston University
- Lodewick, Peter A. . . . . Huntington, N. Y.  
A.B., Boston College, 1963
- Lombardi, Neil . . . . . West Haverstraw, N. Y.  
Boston University
- McGuire, James P. D. . . . . Belmont  
A.B., Boston College, 1963
- Melia, Edward P. . . . . Brighton  
B.S., Boston College, 1962
- Michelman, Mark S. . . . . Milton  
B.A., University of Vermont, 1962
- Miller, Lawrence W. . . . . West Hartford, Conn.  
A.B., Bowdoin College, 1963
- Naggar, Charles . . . . . Brookline  
A.B., Boston University, 1963
- Paulling, Stephen B. . . . . Holbrook  
Houghton College
- Perfilio, Andrew M. . . . . Farrell, Pa.  
Boston University
- Rabinowitz, Leon T. . . . . Queens Village, N. Y.  
Boston University
- Rott, Marcia E. A. . . . . Cambridge  
B.S., Madison College, 1960
- Schwartz, Robert . . . . . Racine, Wis.  
Boston University
- Schwartz, Stephen M. . . . . Boston  
A.B., Harvard University, 1963
- Seelig, Michael J. . . . . Boston  
B.A., Tufts University, 1958
- Sharzer, Leonard A. . . . . Newton  
Boston University
- Shevach, Ethan M. . . . . Brighton  
Boston University
- Shiff, Arthur D. . . . . Medford  
Boston University
- Siegel, Stuart E. . . . . North Plainfield, N. J.  
Boston University
- Sieger, Barry E. . . . . Brighton  
A.B., Harvard University, 1963
- Southard, John K., Jr. . . . . Easthampton  
B.A., University of Massachusetts, 1963
- Starbranch, Eileen K. . . . . New Haven, Conn.  
Boston University
- Sternlight, Dennis L. . . . . South Attleboro  
Mus.B., Boston University, 1957
- Tan, Marianne I. . . . . Kowloon, Hong Kong  
Boston University
- Von Arx, Emil . . . . . Basking Ridge, N. J.  
A.B., Lafayette College, 1962
- Wabrek, Carolyn J. . . . . Webster  
S.B., Simmons College, 1963
- Weiss, Michael H. . . . . Utica, N. Y.  
Boston University
- Welch, Linda L. . . . . Towson, Md.  
Boston University
- Willensky, Elliot A. . . . . Bayonne, N. J.  
Boston University
- Williams, John G., Jr. . . . . Gladwyne, Pa.  
A.B., Harvard University, 1963

## Graduate Dentistry

## Class of June, 1964

## Oral Surgery Section

- Agranat, Barry J. . . . . Boston  
A.B., Brandeis University, 1958  
D.M.D., Harvard University, 1962
- Allis, Parker T. . . . . Pittsburgh, Pa.  
B.S., Mansfield State, 1957  
D.D.S., University of Pittsburgh, 1963
- Amon, Robert A. . . . . Trenton, N. J.  
D.D.S., Temple University, 1961
- Beke, Andrew L. . . . . Cleveland, Ohio  
B.A., Ohio State, 1951  
D.D.S., Western Reserve University, 1961
- Courtney, Frederick F., Jr. . . . . New York, N. Y.  
B.A., Hofstra College, 1956  
D.D.S., Fairleigh Dickinson University, 1960
- Demitros, Dan . . . . . Anchorage, Alaska  
B.S., University of Wisconsin, 1956  
D.D.S., Marquette University, 1960
- Gold, Benson E. . . . . Providence, R. I.  
D.D.S., Loyola University, 1961
- Gage, Stephen M. . . . . University Heights, Ohio  
B.S., University of Michigan, 1958  
D.D.S., Western Reserve University, 1962
- Gove, Donald F. . . . . Long Island, N. Y.  
B.S., University of New Hampshire, 1957  
D.M.D., Harvard University, 1961
- Hubbard, Ronald M. . . . . Green Bay, Wisc.  
D.D.S., Marquette University, 1961
- Lehwit, Howard J. . . . . New York, N. Y.  
B.A., New York University, 1955  
D.D.S., New York College of Dentistry, 1960
- Listengart, Edward I. . . . . Brooklyn, N. Y.  
B.A., 1958, D.D.S., 1962, New York University
- Schaffer, Allen W. . . . . Newport, R. I.  
B.A., Providence College, 1956  
D.D.S., New York University, 1960
- Schiffmann, John R. . . . . Hyde Park  
D.D.S., Dalhousie University, 1963
- Schwartz, Martin T. . . . . Oak Park, Mich.  
D.D.S., University of Detroit, 1963
- Weigler, Jordan M. . . . . Brooklyn, N. Y.  
D.D.S., Marquette University, 1960

## Endodontic Section

- Andrus, William S. . . . . Ambridge, Pa.  
D.D.S., University of Pittsburgh, 1963
- Fine, Michael A. . . . . Brooklyn, N. Y.  
B.A., Catawba College, 1959  
D.D.S., University of Maryland, 1963
- Mehlman, Edwin S. . . . . Springfield  
B.A., Wesleyan University, 1957  
D.D.S., University of Pennsylvania, 1961
- Spector, Daniel H. . . . . Boston  
B.S., D.D.S., University of Illinois, 1938
- Weisbart, Bertrand S. . . . . Bronx, N. Y.  
B.S., Queens College, 1956  
D.D.S., New York University, 1960

## Class of June, 1965

## Periodontology Section

- Chaikin, Richard W. . . . . West Newton  
D.D.S., University of Pennsylvania, 1963
- Dannenbaum, Richard M. . . . . Margate, N. J.  
D.D.S., University of Pennsylvania, 1961
- Griffel, Alan S. . . . . Lynn  
D.D.S., Temple University, 1958
- Kelfer, Robert I. . . . . Randolph  
A.B., Boston University, 1955  
D.M.D., Tufts University, 1959

## Periodontology Section

- Johnson, Joseph O. . . . . Philadelphia, Pa.  
A.B., University of Pennsylvania, 1952  
D.D.S., Meharry Medical College, 1956
- Kessler, Matthew . . . . . Arlington, Va.  
B.S., Brooklyn College, 1956  
D.D.S., New York University, 1960
- Lyon, Jack H. . . . . Fort Worth, Texas  
B.S., Texas Christian University, 1960  
D.D.S., University of Texas, 1962
- Plessett, David N. . . . . York, Pa.  
B.S., Pennsylvania State University, 1949  
D.D.S., Temple University, 1954
- Schulman, Sidney M. . . . . Lowell  
A.B., Boston University, 1954  
D.D.S., University of Pennsylvania, 1962
- Scoren, Robert D. . . . . Palo Alto, Calif.  
B.A., University of Western Ontario, 1952  
D.D.S., College of Physicians and Surgeons,  
San Francisco, 1956
- Segal, Paul L. . . . . Beverly  
B.S., Tufts University, 1958  
D.D.S., University of Pennsylvania, 1962

## Orthodontics Section

- Bucken, Walter M. . . . . South Weymouth  
D.M.D., Tufts University, 1944
- Dyen, James . . . . . Philadelphia, Pa.  
D.D.S., University of Pennsylvania, 1960
- Fertman, Arthur . . . . . Forest Hills, N. Y.  
D.D.S., University of Pennsylvania, 1960
- Gould, Franklin A. . . . . Great Neck, N. Y.  
A.B., Dartmouth College, 1958  
D.M.D., Tufts University, 1962
- Hanson, John . . . . . Hanson, Me.  
B.S., 1957, D.M.D., 1962, Tufts University
- Moushegian, Gary . . . . . Boston  
A.B., Norwich University, 1953  
M.S., University of New Hampshire, 1955  
D.M.D., Tufts University, 1961
- Peck, Harvey . . . . . Durham, N. C.  
B.S., 1958, D.D.S., 1962, University of North  
Carolina
- Ritzenthaler, James . . . . . Lockport, N. Y.  
B.S., Niagara University, 1955  
D.D.S., University of Buffalo, 1959
- Rutberg, Martin . . . . . Newton  
D.M.D., Tufts University, 1960
- Wark, Joseph . . . . . Barre, Vt.  
B.A., University of Vermont, 1956  
D.M.D., Tufts University, 1960

## Oral Pathology

- Wang, Johanna Tsung-chi . . . . . Taiwan, China  
B.D.S., National Taiwan University, 1962

- McMullen, James A. . . . . Buffalo, N. Y.  
D.D.S., University of Pennsylvania, 1963
- Muroff, Fredrick I. . . . . Windsor, Ontario, Canada  
B.S., 1959, D.D.S., 1963, University of Detroit
- Schwarz, Melyvn S. . . . . Los Angeles, Calif.  
D.D.S., University of Southern California, 1963
- Sherman, Donald B. . . . . Oak Park, Mich.  
D.D.S., University of Detroit, 1963

*Restorative Dentistry Section*

- Hazlett, James A. . . . . Marianna, Pa.  
 B.A., University of Michigan, 1957  
 D.D.S., University of Pennsylvania, 1961
- Hinestrosa, Jorge . . . . . Caracas, Venezuela  
 D.D.S., Universidad Central De Venezuela, 1956
- Perel, Morton L. . . . . Montreal, Quebec  
 B.Sc., 1959, D.D.S., 1963, McGill University
- Sowles, James H. . . . . Wellesley Hills  
 B.A., Williams College, 1957  
 D.M.D., Harvard University, 1961

## Class of June, 1966

*Periodontology Section*

- Segal, Robert M. . . . . Arlington  
 B.S., University of Massachusetts, 1953  
 D.M.D., Tufts University, 1957

*Restorative Dentistry Section*

- Hallisey, Richard A. . . . . New London, Conn.  
 B.S., Tufts University, 1956  
 D.D.S., University of Pennsylvania, 1960

## Class of June, 1967

*Restorative Dentistry Section*

- Tracy, Charles W. . . . . Belmont  
 A.B., College of the Holy Cross, 1952  
 D.D.S., Georgetown University, 1956

## Graduate School

## Division of Medical Science

- Balakrishnan, C. . . . . India  
 B.Sc., Annamalai University, 1958
- Bloomquist, Eunice . . . . . Auburn  
 B.S., Simmons College, 1963
- Bonne, Batsheva . . . . . Jerusalem  
 B.A., University of Jerusalem, 1958  
 A.M., University of Chicago, 1961
- Chattoraj, Aparna . . . . . West Bengal, India  
 D.G.O., 1959, M.B.D.S., 1956,  
 Calcutta University
- Chattoraj, Sati C. . . . . West Bengal, India  
 B.S., Ashutosh College, 1954  
 M.S., Calcutta University, 1956
- DeGenio, Teresa A. . . . . Boston  
 B.S., Boston College, 1954
- Dill, John T. . . . . Cambridge  
 S.B., Massachusetts Institute of Technology,  
 1960
- Fortier, Normand L. . . . . Springfield  
 B.S., Hampden College, 1953  
 B.A., American International College, 1957
- Friedler, Gladys . . . . . Cambridge  
 B.A., University of Maine, 1947  
 M.A., University of Pennsylvania, 1951
- Gerston, Davida . . . . . Columbus, Ohio  
 B.A., Vassar College, 1963
- Glassman, Peter M. . . . . Medford  
 A.B., Boston I University, 1962
- Gonzalez-Auvert, Carlos J. . . . . Brookline  
 M.D., Universidad Central De Venezuela, 1960
- Grab, Edwin L. . . . . Brookline  
 B.S., Antioch College, 1955
- Greep, Marjorie . . . . . Northampton  
 B.A., Smith College, 1963
- Jedziniak, Judith . . . . . Thompsonville, Conn.  
 B.S., College of Mount St. Vincent, 1961
- Johns, Margaret . . . . . Arlington  
 S.B., Simmons College, 1960
- Kalish, Ruth A. . . . . Waban  
 B.S., Boston University, 1961
- Kierman, Paul B. . . . . Morristown, N. J.  
 A.B., Merrimack College, 1958
- Kornuth, Phyllis J. . . . . Taunton  
 A.B., Barnard College, 1961
- Lennox, Jean Ann . . . . . Cambridge  
 B.A., Swarthmore College, 1961
- Levy, R. Ellen . . . . . Wilmington, Del.  
 A.B., Mount Holyoke College, 1963
- Michael, Thomas M. . . . . Israel  
 B.Sc., Hebrew University, 1956  
 M.Sc., Cornell University, 1959
- Morrison, Edward J. . . . . New Orleans, La.  
 B.A., 1950, M.S., 1958, University of Bridgeport
- Rifaat, Mounira M. . . . . Egypt  
 M.D., Alexandria University, 1961
- Samaha, Richard J. . . . . Boston  
 S.B., Massachusetts Institute of Technology,  
 1960
- Torchiana, Mary Lou . . . . . Alden, Pa.  
 A.B., Immaculate College, 1951  
 M.S., Temple University, 1960
- Weinger, Murrie A. . . . . Jackson Heights, N. Y.  
 A.B., Barnard College, 1961

## Summary

	<i>Men</i>	<i>Women</i>	<i>Total</i>
First-Year Class . . . . .	59	12	71
Second-Year Class . . . . .	65	7	72
Third-Year Class . . . . .	61	10	71
Fourth-Year Class . . . . .	55	10	65
Graduate Dentistry . . . . .	53	1	54
Graduate School (Medical Sciences) . . . . .	11	16	27
	<hr/> 304	<hr/> 56	<hr/> 360

## SCHOOL OF MEDICINE ALUMNI ASSOCIATION

INCORPORATED AUGUST 5, 1902

This Association includes all graduates of the School and was formed for the purpose of promoting social and friendly relations between the alumni as well as cooperating with the faculty in maintaining a high standard of medical education.

In accordance with the By-Laws adopted at the annual meeting, 1902, and amended in 1960, "All graduates as doctors of medicine of Boston University School of Medicine shall, upon their graduation, become members of this Association."

The annual business meeting of the Association is held in May in Boston. Reunions are held in the afternoon followed by the annual banquet in the evening.

The annual fund roll call is organized by the Fund Committee. The alumni are solicited by their various class captains. The allocation of the annual fund is made by the Executive Committee upon the advice of the Finance Committee. The alumni fund of the School of Medicine is controlled entirely by the School alumni officers and is entirely independent of Boston University Annual Giving. The amounts raised are used to further various projects of interest to the School and its students.

During the year, the business of the School of Medicine Alumni Association is carried out by its duly elected officers and Executive Committee. Executive Committee meetings are held at stated intervals during the school year.

It is earnestly hoped the alumni will interest themselves in the work of the Association and assist the officers in furtherance of its objectives, primarily scholarships, library aid, audio-visual assistance, and financial aid in publishing of the *Boston Medical Quarterly*.

All changes in addresses and items of interest should be forwarded to the class secretary or to Miss Grace E. Auburn, Executive Secretary, Alumni Association, 80 East Concord Street, Boston 18, Massachusetts.

## MEDICAL ALUMNI ASSOCIATION EXECUTIVE COMMITTEE 1963-1964

## OFFICERS

President	Frederick F. Yonkman, M.D., '39
First Vice President	Morton S. Berk, M.D., '40
Second Vice President	Harold I. Miller, M.D., '41
Secretary	Job E. Fuchs, M.D., '44
Assistant Secretary	Iver S. Ravin, M.D., '40
Treasurer	Thomas F. Silva, Jr., M.D., '52
Auditor	David B. Stearns, M.D., '26

## BOARD OF DIRECTORS

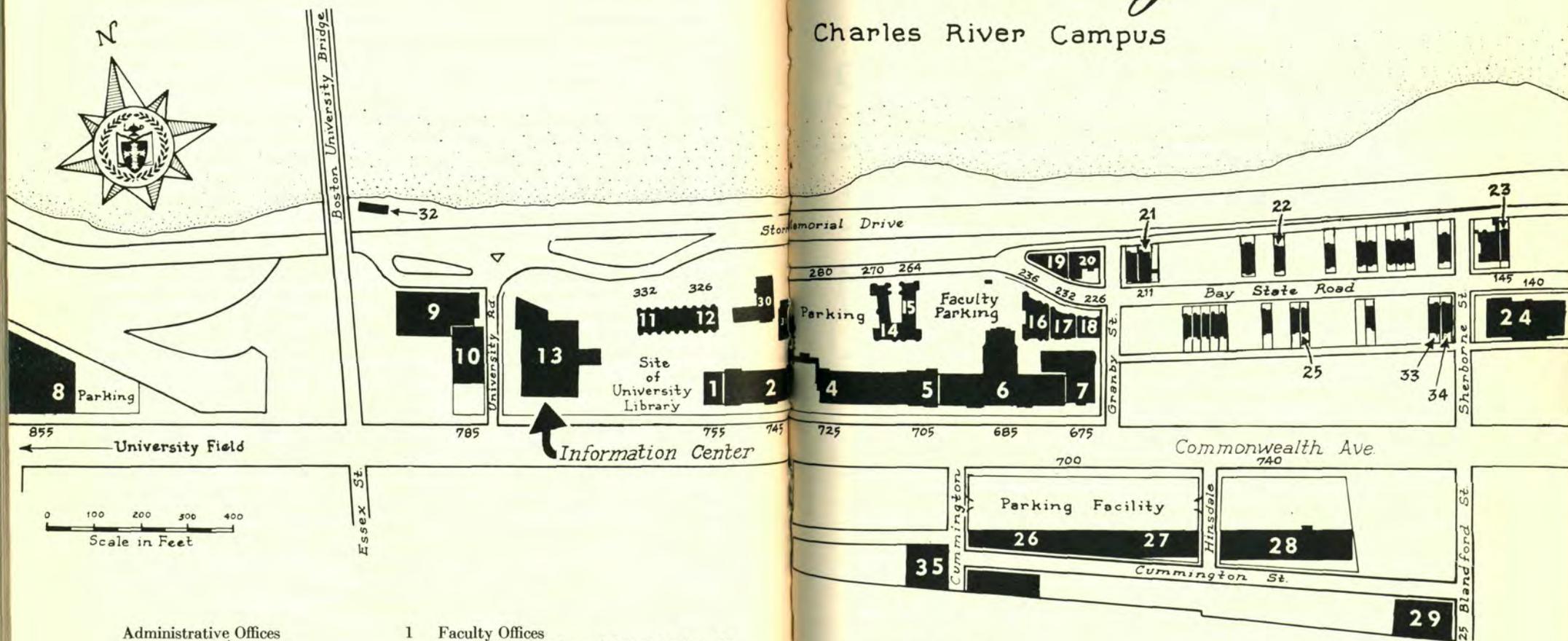
<i>Term Expires 1964</i>	Robert J. Brennan, M.D., '41
	Charles D. Bonner, M.D., '44
<i>Term Expires 1965</i>	Albert A. M. DesChenes, M.D., '41
	William E. R. Greer, M.D., '43B
<i>Term Expires 1966</i>	Thomas F. Boyd, M.D., '48
	Peter E. Pochi, M.D., '55

## PAST PRESIDENTS COMMITTEE

Ensio K. F. Ronka, M.D., '27	Ronald W. Adams, M.D., '33
Kenneth Christophe, M.D., '28	George R. Gagliardi, M.D., '34
Thomas A. Kelley, M.D., '29	Andrew D. Elia, M.D., '35
Nathan L. Fineberg, M.D., '30	Roland P. Wilder, M.D., '36
H. Arthur Berson, M.D., '31	William F. Croskery, M.D., '37
Robert J. Donovan, M.D., '32	Theodore A. Potter, M.D., '38

# Boston University

Charles River Campus



- |                                     |    |                                      |    |
|-------------------------------------|----|--------------------------------------|----|
| Administrative Offices              | 1  | Faculty Offices                      | 17 |
| Admissions Office                   | 5  | College of Business Administration   | 17 |
| African Studies Program             | 33 | College of Liberal Arts              | 16 |
| Alumni House                        | 23 | Financial Aid to Students, Office of | 18 |
| Arts Center                         | 8  | Fine and Applied Arts, School of     | 8  |
| Biological Science Center, The      | 29 | General Education, Division of       | 8  |
| Boat House                          | 32 | Graduate School                      | 4  |
| Book Store and Supply Shop          | 13 | Hayden Hall                          | 6  |
| Bursar's Office                     | 1  | Hill House                           | 19 |
| Business Administration, College of | 6  | Housing and Food Service, Office of  | 17 |
| Chapel, The Daniel L. Marsh         | 3  | Human Relations Center               | 14 |
| Chapel, St. Jerome's                | 21 | Industrial Technology, College of    | 35 |
| Continuing Education, Division of   | 6  | International Student Center         | 25 |
| Counseling Service                  | 26 | Law, School of                       | 31 |
| Dean of Men, Office of              | 14 | Liberal Arts, College of             | 4  |
| Dean of Women, Office of            | 15 | Library, Cheney                      | 4  |
| Education, School of                | 11 | Newman House                         | 21 |
| Education, School of (New)          | 30 | Nursing, School of                   | 15 |

- |                                      |    |                                 |    |
|--------------------------------------|----|---------------------------------|----|
| Pappas Law Library                   | 31 | Student Health, Division of     | 12 |
| Physical Science Center, The         | 26 | Clinic and Infirmary            | 12 |
| Placement Service                    | 26 | Student Publications-Hub & News | 13 |
| President's Residence                | 20 | Summer Term                     | 6  |
| Psychology Research Laboratories     | 27 | Theology, School of             | 2  |
| Public Relations and Communications, |    | Theology Dormitory              | 2  |
| School of                            | 28 | Towers, The                     | 24 |
| Registrar, Office of University      | 17 | Union (George Sherman Union)    | 13 |
| ROTC, Army and Air Force             | 28 | Veterans' and Selective Service | 18 |
| Sargent College                      | 10 | Center                          |    |
| Sargent Gymnasium                    | 9  |                                 |    |
| Seminar Center                       | 34 |                                 |    |
| Social Work, School of               | 15 |                                 |    |
| Stone Science Building (Chemistry)   | 7  |                                 |    |
| Student Activities, Office of        | 15 |                                 |    |
| Student Christian Association        | 22 |                                 |    |

---

---

# BOSTON UNIVERSITY

Founded 1839; Chartered 1869 as *Trustees of Boston University*

HAROLD C. CASE, *President of the University*

EVERETT WALTERS, *Vice President for Academic Affairs*

J. WENDELL YEO, *Vice President for Student Affairs*

KURT M. HERTZFELD, *Vice President for Administrative Affairs*

LYNFORD E. KAUTZ, *Vice President for University Development*

GEORGE A. WARMER, *Vice President for University Affairs*

755 Commonwealth Avenue, Boston 15, Massachusetts

**COLLEGE OF LIBERAL ARTS:** A.B. degree in arts and sciences.

*Division of General Education:* An integrated two-year program in liberal studies.

RICHARD M. MILLARD, *Dean*, 725 Commonwealth Avenue

**COLLEGE OF BUSINESS ADMINISTRATION:** Undergraduate and graduate degrees of B.S. in B.A. and M.B.A. in business administration; A.C.S. and B.S. degrees in secretarial studies.

JAMES W. KELLEY, *Acting Dean*, 685 Commonwealth Avenue

**COLLEGE OF PRACTICAL ARTS AND LETTERS:** (See programs of the College of Business Administration and the School of Fine and Applied Arts.)

**SARGENT COLLEGE:** B.S. degree in physical education and recreation (women); physical therapy and occupational therapy (coeducational)

GEORGE K. MAKECHNIE, *Dean*, University Road, Boston

**COLLEGE OF INDUSTRIAL TECHNOLOGY:** B.S. degree in engineering with majors in aeronautical engineering, engineering management, and manufacturing engineering.

ARTHUR T. THOMPSON, *Dean*, 110 Cummington Street

**COLLEGE OF BASIC STUDIES:** Two-year program in general-liberal education.

HORATIO M. LAFAUCI, *Dean*, 688 Boylston Street

**SCHOOL OF THEOLOGY:** Degrees of S.T.B., M.R.E., M.S.M., S.T.M., and Th.D. Open only to college graduates.

WALTER G. MUELDER, *Dean*, 745 Commonwealth Avenue

**SCHOOL OF LAW:** Undergraduate and graduate degrees of LL.B. and LL.M.

ELWOOD H. HETRICK, *Dean*, 11 Ashburton Place

**SCHOOL OF MEDICINE:** Courses leading to M.D. and M.Sc.D. degrees.

SYDNEY S. GELLIS, *Acting Dean*, 80 East Concord Street

**SCHOOL OF EDUCATION:** Undergraduate and graduate degrees of B.S., Ed.M., and Ed.D. (including physical education for men). Part-time courses for teachers and school administrators.

JACK R. CHILDRESS, *Dean*, 332 Bay State Road

**SCHOOL OF SOCIAL WORK:** Graduate training in professional social work for M.S. in S.S. degree.

JOHN McDOWELL, *Dean*, 264 Bay State Road

**SCHOOL OF FINE AND APPLIED ARTS:** Division of Music—undergraduate and graduate degrees of

Mus.B., Mus.M., and Mus.A.D.; Division of Art—undergraduate and graduate degrees of B.F.A.

and M.F.A.; Division of Theatre Arts—undergraduate and graduate degrees of B.F.A. and M.F.A.

EDWIN E. STEIN, *Dean*, 855 Commonwealth Avenue

**SCHOOL OF NURSING:** Undergraduate and graduate degrees of B.S., M.S., and D.N.Sc. in nursing and nursing education.

ANNE K. KIBRICK, *Dean*, 264 Bay State Road

**SCHOOL OF PUBLIC RELATIONS AND COMMUNICATIONS:** Undergraduate and graduate degrees of B.S. and M.S. in public relations, journalism, photo-journalism, radio, television, and film. Graduate program in communication research.

GERHART D. WIEBE, *Dean*, 640 Commonwealth Avenue

**GRADUATE SCHOOL:** Courses leading to the degrees of A.M. and Ph.D.

RICHARD S. BEAR, *Dean*, 725 Commonwealth Avenue

**DIVISION OF CONTINUING EDUCATION:** Evening, late afternoon, Saturday morning, and extension courses leading to certificates and degrees. All courses open to non-degree students.

JAMES F. BAKER, *Director*, 685 Commonwealth Avenue

**SUMMER TERM:** Beginning in May and continuing for twelve weeks, divided into two sessions of six weeks each. Courses leading to degrees offered by the University.

ROBERT W. SHERBURNE, *Director*, 685 Commonwealth Avenue

---

*For information concerning any School or College, address the Dean  
For other information, address the President of the University*

