CONFERRING OF DEGREES

AT THE CLOSE OF THE SEVENTY-FOURTH ACADEMIC YEAR

JUNE 13, 1950

GILMAN HALL TERRACE

AT TEN A.M.
ORDER OF PROCESSION

CHIEF MARSHAL

Don Cameron Allen

Divisions
1. The President of the University, the Chaplain, Honored Guests, the Trustees
2. The Faculty
3. The Graduates

Marshals
Fritz Machlup
Clarence D. Long
Howard E. Cooper, Chief
Hans W. Gatzke
Robert H. Roy
Walter C. Boyer
W. Worthington Ewell
John M. Kopper
Acheson J. Duncan
N. Bryllion Fagin
Richard A. Mumma
Gilbert F. Otto
Barnett Cohen
Charles A. Barker

USHERS

Chief Usher—Jack Lemon

Harry Burbette
Joseph Castagna
William Fonshell
Thomas Harrison
Gary Linthicum

Garland Mears
Philip Moon
Maxwell Mudge
Embie Parks
Matthew Ryan

ORGANIST

David Lowe

The audience is requested to stand as the academic procession moves into the area and remain standing until after the Invocation.
ORDER OF EXERCISES

I
Processional
Grand March from “Aida” by Verdi

II
Invocation
The Reverend Vernon B. Richardson
University Baptist Church

III
Greetings to Graduates
President Detley W. Bronk

IV
Address to Graduates
“ The University and The Community ”
Hamilton Owens

V
Confering of Honorary Degrees
Dr. Samuel Clagett Chew — presented by Professor Malone
Dr. Edward Leyburn Moreland— presented by Professor Thompson
Mr. Hamilton Owens — presented by Professor Painter
Dr. Merle Antony Tuve — presented by Professor Gibson

VI
Confering of Degrees
Bachelors of Arts — presented by Dean Cox
Bachelors of Engineering — presented by Dean Kouwenhoven
Bachelors of Science in Engineering
Masters of Science in Engineering
Masters of Engineering
Doctors of Engineering
Bachelors of Science in Business — presented by Dean Hawkins
Bachelors of Science — presented by Dean Horn
Bachelors of Science in Nursing
Masters of Education — presented by Professor Whitelaw
Doctors of Education
Masters of Science in Hygiene — presented by Dr. Sterbins
Doctors of Science in Hygiene
Masters of Public Health
Doctors of Public Health
Doctors of Medicine — presented by Dean Chesney
Masters of Arts — presented by Professor Malone
Doctors of Philosophy

VII
Benediction

VIII
Recessional
“March Aux Flambeaux” by Clark

The audience is requested to remain standing after the Benediction until the graduates have left the area.
CANDIDATES FOR DEGREES

BACHELORS OF ARTS

* Abraham Nathan Abramowitz, of Baltimore, Md.  
  Samuel Joseph Abrams, of Baltimore, Md.  
  James Frederick Adams, of New York, N. Y.  
  Louis S. Adezio, of Chicago, Ill.  
  Daniel Allimook, of Jopps, Md.  
  David Edward Ambrose, of Baltimore, Md.  
  Carlton George Apoor, of Madison, N. J.  
  Henry Scott Baker, Jr., of Baltimore, Md.  
  Ralph Robinson Baker, of Baltimore, Md.  
  Alton Parker Balder, of Baltimore, Md.  
  Herbert Pancoast Bangs, Jr., of Baltimore, Md.  
  Nathan Bank, of Baltimore, Md.  
  * Robert Wauchope Bass, of Annapolis, Md.  
  Harry Frederick Bates, of Hagerstown, Md.  
  * Robert Reed Baumann, of Glen Rock, N. J.  
  George Lawrence Becker, Jr., of Paterson, N. J.  
  Samuel Eli Benesch, of Baltimore, Md.  
  Douglas Patrick Benoit, of Enosburg Falls, Vt.  
  * Richard Norman Betz, of Baltimore, Md.  
  Alexander Hamilton Bishop, III, of Baltimore, Md.  
  Morton Katz Blaustein, of Baltimore, Md.  
  Edwin Louis Blazek, of Baltimore, Md.  
  John Richard Boylan, of Cynwood, Penn.  
  * E. Neal Boyer, Jr., of Takoma Park, Md.  
  Carroll Thomas Brennan, of Baltimore, Md.  
  William Herbert Brown, Jr., of St. Louis, Mo.  
  Allan Henry Burns, Jr., of Baltimore, Md.  
  * Robert Kyle Burns, III, of Baltimore, Md.  
  Henry Hyman Caplan, of Baltimore, Md.  
  Mervyn Lee Carey, of Wilmington, Del.  
  Rodney Bert Carlson, of Omaha, Nebr.  
  John Anthony Carpenter, of Rockville Center, N. Y.  
  Alan Dukeyhart Chibney, of Baltimore, Md.  
  Cornell Daniel Cornish, of Manhasset, N. Y.  
  Frank Albert Corpaci, of Torrington, Conn.  
  Richard Douglas Cox, of Baltimore, Md.  
  William Francis Crockett, of Baltimore, Md.  
  Roland Dale Cundiff, of Baltimore, Md.  
  Charles Edward Dalley, of Baltimore, Md.  
  Rudolph Charles Dangelmaier, of Nutley, N. J.  
  Warren Emery Dedesock, of Sea Girt, N. J.  
  William Dunbracco Dempster, of Baltimore, Md.  
  John Henry Deuber, III, of Baltimore, Md.  
  G. Richard Dickerson, of Stony Creek Mills, Penn.  
  Winfield Scott Ditch, III, of Riderwood, Md.  
  William Edward Dolan, of Utica, N. Y.  
  John Charles Downer, of New York, N. Y.  
  Raymond Thomas Doyle, of Baltimore, Md.  
  Peter Richard Ehrling, of New York, N. Y.  
  Joseph Paul Elliott, Jr., of Wilmington, Del.  
  Julian Rumsey Ellis, of Greenwich, Conn.  
  John Thomas Fales, of Baltimore, Md.  
  William Donnell Faughnan, of Baltimore, Md.  
  * Robert Flottenesch, of Baltimore, Md.  
  Robert Allen Foster, of Memphis, Tenn.  
  * Roland Nicholas Fracalossi, of Baltimore, Md.  
  Allen J. Frissou, of Baltimore, Md.  
  Donald Theodore Fritz, of Baltimore, Md.  
  * Russell Eugene Frost, of Baltimore, Md.  
  Richard Browne Fulton, Jr., of Baltimore, Md.  
  James Robinson Gamble, Jr., of New Orleans, La.  
  John Monroe Gerwig, of Baltimore, Md.  
  George Martin Gillet, III, of Sparks, Md.  
  Nelson Gates Goodman, of Baltimore, Md.  
  Howard Bruce Goodrich, of Baltimore, Md.  
  Thomas Walter Gough, Jr., of Baltimore, Md.  
  James Edward Griffiss, Jr., of Baltimore, Md.  
  George Gabriel Guido, of Hazelton, Penn.  
  Robert Henry Hahn, of Baltimore, Md.  
  * William Jackson Hall, of Laurel, Md.  
  * Robert I. H. Hammerman, of Baltimore, Md.  
  Humes Houston Hart, of Waynesville, N. C.  
  John Gilbert Hartley, of Rockville, Md.  
  Warren W. Hassler, of Baltimore, Md.  
  Morris Bernard Hawkins, of Baltimore, Md.  
  James Westcott Hayes, of Baltimore, Md.  
  John Saylor Hayes, of Williamsport, Penn.  
  * Robert C. Hays, of York, Penn.  
  Jean Robert Louis Hedot, of Silver Spring, Md.  
  Benjamin Herman, of Baltimore, Md.  
  Walter Focke Herman, of Baltimore, Md.  
  William Ross Hewitt, Jr., of McDonough, Md.  
  Grant Beeson Hill, of Milwaukee, Wis.  
  * William Ralph Hill, of Syracue, N. Y.  
  Richard Hochschild, of Baltimore, Md.  
  Charles Warren Hodgeson, of Baltimore, Md.  
  Zebulon Vance Hooper, Jr., of Baltimore, Md.  
  Reynolds Joseph Horpel, of Baltimore, Md.  
  * William John Hostik, of Charleroi, Penn.  
  * Benjamin Fulton Howard, Jr., of Union City, Tenn.  
  Henry Barrad Hunt, Jr., of Baltimore, Md.  
  Frank Ellis Hutchinson, of Baltimore, Md.  
  * Thomas Worth Jamison, III, of Baltimore, Md.  
  Roger Clinton Jones, of Baltimore, Md.  

* Graduating with departmental honors.
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Honors</th>
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<tr>
<td>Morton E. Kalus, of Baltimore, Md.</td>
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<td>Leon Howard Kaplan, of Baltimore, Md.</td>
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<td>Francis Ellis Kennedy, of Owings Mills, Md.</td>
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<td>William Donald Kennedy, of Oberlin, Ohio</td>
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<td>John Cleaveland Kidd, of Baltimore, Md.</td>
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<td>William Jordan Kinling, of Baltimore, Md.</td>
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<td>Robert Louis Klein, of Texarkana, Ark.</td>
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<td>Bertram Leonard Koslin, of New York, N.Y.</td>
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<td>William Allen Kresse, of Cheltenham, Penn.</td>
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<td>Henry William Kuehnle, Jr., of Baltimore, Md.</td>
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<td>*Arthur Herold Lachenbruch, of Washington, D. C.</td>
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<td>Quintus Aden Langstaff, of Nashville, Tenn.</td>
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<td>John Joseph Lardner, of Baltimore, Md.</td>
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<td>James Neville Peed Lawrence, of Portsmouth, Va.</td>
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<td>*Frank Leake, of Sandusky, Ohio</td>
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<td>Frederick Strube Lee, of Owings Mills, Md.</td>
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<td>John A. Leipold, of Baltimore, Md.</td>
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<td>Hilbert M. Levine, of Baltimore, Md.</td>
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<td>Charles Burton Levittis, of Norfolk, Va.</td>
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<td>*Frederick Wissner Lieps, Jr., of Baltimore, Md.</td>
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<td>John Joseph Lombardo, of Dover, Ohio</td>
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<td>Francis Lynnwood Lovett, Jr., of Baltimore, Md.</td>
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<td>Ross Galloway Macaulay, of Baltimore, Md.</td>
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<td>Bernard Allen Major, of Washington, Penn.</td>
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<td>William John Marc, Jr., of Baltimore, Md.</td>
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<td>William Marriott, III, of Baltimore, Md.</td>
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<td>Paul Maurice McCullough, of Salt Lake City, Utah</td>
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<td>Robert Leon McKim, of Baltimore, Md.</td>
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<td>Carl Louis Mikovich, of Harnamville, Penn.</td>
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<td>Jay Jefferson Miller, of Pikesville, Md.</td>
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<td>Robert Eugene Millers, of Baltimore, Md.</td>
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<td>*Robert Charles Minnick, of Dallas, Texas</td>
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<td>George LeCompte Mitchell, of Baltimore, Md.</td>
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<td>John Erwin Mitchell, of Manhasset, N. Y.</td>
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<td>Philip Cowgill Moon, of Baltimore, Md.</td>
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<td>Earl Howard Morgan, of Queen Anne, Md.</td>
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<td>*Robert Eustis Morrisberger, of Baltimore, Md.</td>
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<td>George Hamilton Movbray, of Baltimore, Md.</td>
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<td>Elkan Ries Myers, Jr., of Baltimore, Md.</td>
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<td>*Pinkney Langlois Near, of Baltimore, Md.</td>
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<td>William Carson Norwood, of Baltimore, Md.</td>
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<td>Robert Uri Patterson, Jr., of Baltimore, Md.</td>
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<td>*Elmer Thomas Pearson, of Elizabeth, N. J.</td>
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<td>William Owings Pearson, Jr., of Baltimore, Md.</td>
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<td>William Manuel Prado, of Brooklyn, N. Y.</td>
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<td>*William Franklin Railing, of Baltimore, Md.</td>
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<td>Morris Rainess, of Baltimore, Md.</td>
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<td>Charles Cameron Richards, of Baltimore, Md.</td>
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<td>Leonard Steven Rolnick, of New York, N. Y.</td>
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<td>Jerold Rupert Ruben, of Washington, Penn.</td>
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<td>*Sherwood Lawrence Samet, of W. Caldwell, N. J.</td>
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<td>Robert Edward Sandell, Jr., of Baltimore, Md.</td>
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<td>*William Jasper Sando, of Washington, D. C.</td>
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<td>*James Frank Schauble, of Erie, Penn.</td>
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<td>Jay Leonard Scheer, of Baltimore, Md.</td>
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<td>John Charles Schmidt, of Baltimore, Md.</td>
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<td>*Arthur Walter Schmutz, of Baltimore, Md.</td>
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<td>Frank Feist Schuster, of Danville, Va.</td>
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<td>Leon Murray Schwartz, of Baltimore, Md.</td>
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<td>Samuel Seiler, of Baltimore, Md.</td>
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<td>Raymon Anthony Senec, of Bayonne, N. J.</td>
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<td>George Warren Settle, of Baltimore, Md.</td>
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<td>Herman Weaver Shepper, of Baltimore, Md.</td>
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<td>Francois Pierre Henri Sidos, of Paris, France</td>
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<td>Willys Kent Silvers, of New York, N. Y.</td>
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<td>Sidney Singer, of Baltimore, Md.</td>
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<td>Fred Bruce Smith, Jr., of Baltimore, Md.</td>
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<td>Albrecht Friedrich Sommer, of Denver, Colo.</td>
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<td>*Helmut Sonnenfeldt, of Baltimore, Md.</td>
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<td>Joseph Stevens, of McAadoo, Penn.</td>
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<td>George Coffin Stierhoff, of Baltimore, Md.</td>
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<td>*Bruce Burton Stoler, of Chicago, Ill.</td>
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<td>Fuller Campbell Strawbridge, of Baltimore, Md.</td>
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<td>Charles LeRoy Summers, Jr., of Baltimore, Md.</td>
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<td>Kelvin E. Thomas, of Hong Kong, China</td>
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<td>John Mayfield Thompson, of Baltimore, Md.</td>
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<td>Stanley Tockar, of Baltimore, Md.</td>
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<td>Robert Edward Tolson, Jr., of Washington, D. C.</td>
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<td>Raymond Sidney Tompkins, Jr., of Baltimore, Md.</td>
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<td>James Norcross Trone, of Forest Hills, N. Y.</td>
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<td>Harry Walter Weber, Jr., of Baltimore, Md.</td>
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<td>Eugene Lee Webster, of Baltimore, Md.</td>
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<td>Irwin Weintraub, of Baltimore, Md.</td>
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<td>William Norman Westerlund, Jr., of New Canaan, Conn.</td>
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<td>Eugene Oversey Wiggs, of Washington, D. C.</td>
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<td>Robert Grantham Wright, of Waterville, Ohio</td>
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<td>Clifton Kees Yearley, Jr., of Baltimore, Md.</td>
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<td>John Robert Yoder, of Bellevue, Ohio</td>
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<td>Robert Engle Zadek, of Mt. Vernon, N. Y.</td>
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(179)

**GRADUATING WITH GENERAL HONORS**

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<tr>
<th>Name</th>
<th>Department</th>
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<td>Abraham Nathan Abramowitz</td>
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<td>Robert I. H. Hammerman</td>
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<td>Bruce Burton Stoler</td>
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BACHELORS OF ENGINEERING

Theodorick Bolling Alfriend, Jr., of Baltimore, Md.
Thomas Bernard Appel, of Baltimore, Md.
Bernard Henry Baake, III, of Baltimore, Md.
George Dewey Bailey, Jr., of Galesville, Md.
Carroll Marlin Barrack, of Baltimore, Md.
Irving Thomas Bash, of Baltimore, Md.
Myron William Belaga, of Baltimore, Md.
Raymond Howard Bennichop, of Westminster, Md.
Walter Harry Biddle, of Baltimore, Md.
Kenneth Duff Butler, of Towson, Md.
Robert William Brokaw, of Mountinside, N. J.
Charles Henry Brunsman, Jr., of Baltimore, Md.
Joseph Emerson Carter, of Birmingham, Ala.
Albert Norris Chandler, Jr., of Wilmington, Del.
MARC MITCHELL CHASSON, of Baltimore, Md.
Ambrose John Clada, Jr., of Baltimore, Md.
Robert Richard Christy, of Baltimore, Md.
Edward O'Neill Cole, of Baltimore, Md.
Thomas Joseph Collins, Jr., of Baltimore, Md.
Raymond Charles Dannyett, of Baltimore, Md.
Malcolm Gregory Denton, Jr., of Baltimore, Md.
Richard Frederick Depkin, of Baltimore, Md.
William Joseph Devereaux, of Baltimore, Md.
Walter Oram Dorells, Jr., of Towson, Md.
John William Drenning, of Frederick, Md.
William Otto Dulling, of Hanover, Penn.
William Hancker Duquette, of Baltimore, Md.
Robert Albert Eckard, of Baltimore, Md.
John Eugene Eckenrode, of Baltimore, Md.
Richard Ivan Ensminger, of Harrisburg, Pa.
William Carl Eppers, Jr., of White Hall, Md.
Sheldon Irvin Euler, of Baltimore, Md.
Alvin Robert Ewing, of Salem, Ore.
Arthur Gordon Foster, of Baltimore, Md.
Earle Sherman Freedman, of Baltimore, Md.
Donald George Frey, of Baltimore, Md.
James Lamont Garitty, of Baltimore, Md.
Allen Francis Gates, of West New York, N. J.
Nelson L. Gillispie, of Baltimore, Md.
Edwin Fivel Goldstein, of Baltimore, Md.
Carroll Lee Gough, of Baltimore, Md.
William Binkley Green, of Hagerstown, Md.
Claude William Gregory, Jr., of Baltimore, Md.
Charles David Haake, of Baltimore, Md.
Kenneth Mathew Haensler, of Baltimore, Md.
Burris Hanley, of Baltimore, Md.
Kenneth Roland Hannahs, of Baltimore, Md.
Harold Joseph Harmon, of Baltimore, Md.
John Markwood Harp, of Baltimore, Md.
Albert Charles Hobelmann, Jr., of Baltimore, Md.
Russell T. Hollingsworth, of Baltimore, Md.
John Brazier Howell, of Alna, Maine

Francis Christian Huber, Jr., of Riverton, N. J.
Norris Benjamin Ilov, of Baltimore, Md.
Eugene Albert Jacobs, of Baltimore, Md.
Robert Harold Jones, of Bladensburg, Md.
Bernard Francis Kallas, of Leola, S. D.
John Edward Keigle, of Baltimore, Md.
Harry Nevins Keller, of Hughesville, Penn.
Alan Lee Kistler, of Baltimore, Md.
Frank Anthony Knecht, Jr., of Baltimore, Md.
Mark Robert Kulina, of Kingston, Penn.
Robert C. Lang, of Baltimore, Md.
Rino Raffael Laborsa, of Batte, Vt.
Charles Lincoln Lavert, of Salisbury, Md.
Urban Edwin Leimkuhler, of Baltimore, Md.
George Russell Lewis, Jr., of Baltimore, Md.
Joseph Edwin Lidick, of Lansdowne, Penn.
Charles Madison Llewellin, of Baltimore, Md.
Charles Richard Lovelace, Jr., of Baltimore, Md.
William Hugh Lucas, of Baltimore, Md.
Lee Smith Magness, of Bel Air, Md.
Leonard Vernon Malthan, Jr., of Baltimore, Md.
Harlan Francis Manweiler, of Windsor, Colo.
William Joseph Mariner, of Baltimore, Md.
Luther Woodbury Martin, of Nashua, N. H.
John Allen Marx, of Hyattsville, Md.
George Wardell Maxwell, of Baltimore, Md.
Eugene Bisce McCord, of Baltimore, Md.
Charles Owen McKenzie, Jr., of Baltimore, Md.
Daniel Stephen McNulty, of West Englewood, N. J.
Ronald Moffitt Mergenthalers, of Baltimore, Md.
George Knox Miles, of Princess Anne, Md.
William Ballard Miles, Jr., of Princess Anne, Md.
Arne Bengt Molander, of Chevy Chase, Md.
George Karl Munder, of Baltimore, Md.
John Brayahl Munnichuysen, of Baltimore, Md.
Harwell Thomas Newby, of Baltimore, Md.
Robert Nelson Nicodemus, Jr., of Walkersville, Md.
James Francis O'Neill, of Bel Air, Md.
Robert Jarvis Osborne, of Baltimore, Md.
Charles Leonard Padgett, of Baltimore, Md.
David Pent, of New York, N. Y.
Walter Leo Pfehr, Jr., of Baltimore, Md.
Donald Joseph Planttoldt, of Baltimore, Md.
Robert Roy Portmess, of Baltimore, Md.
Charles Albert Powell, of Baltimore, Md.
William John Prilig, of Baltimore, Md.
Albert Howard Raciti, of Baltimore, Md.
John Rider Renshaw, of Centreville, Md.
Albert Charles Reyman, of Baltimore, Md.
Thomas Norris Ridgeway, Jr., of Baltimore, Md.
Charles Robert Rigott, of Baltimore, Md.
Eugene Augustus Roche, of Baltimore, Md.
Jesse Rosenberg, of Baltimore, Md.
Ray Ronald Rudolph, of Baltimore, Md.
Alvin Morton Sandler, of Baltimore, Md.
Oscar Ivan Scharr, of Baltimore, Md.
Harry Tyler Schultz, of Baltimore, Md.
Frederick Isadore Scott, Jr., of Baltimore, Md.
James Hildebrandt Sellors, of Baltimore, Md.
Frank J. Senft, of Baltimore, Md.
Floyd Ellis Shaffer, of Bethlehem, Penn.
Norman Simpson, of Baltimore, Md.
James Francis Smith, Jr., of Sykesville, Md.
Donald William Stoffel, of Baltimore, Md.
Roland Patterson Swank, of Baltimore, Md.
Richard Samuel Tankin, of Baltimore, Md.
Boyd Carvel Taylor, of Baltimore, Md.
Carey Howell Taylor, of Baltimore, Md.
David Reese Thomas, of Baltimore, Md.
Robert Nathaniel Thompson, of Baltimore, Md.
Richard Thererene Tolley, of Baltimore, Md.
Robert Talcott Towner, of Baltimore, Md.
Ricardo Trejos, of San José, Costa Rica

Donald Williams Tucker, of Baltimore, Md.
Wilbur Paul Ulle, of Baltimore, Md.
William Joseph Vitek, of Baltimore, Md.
George Frederick Vogt, Jr., of Baltimore, Md.
George Martin Walter, of Baltimore, Md.
William Magruder Waters, of Baltimore, Md.
Thomas Eaton Watson, of Baltimore, Md.
Charles Mervin Weant, of Hagerstown, Md.
Fred Gordon Weighart, of West Englewood, N. J.
George Earl Wenzel, of Baltimore, Md.
Charles Gregory Werner, of Baltimore, Md.
Max Nicholas Wiener, of Baltimore, Md.
Gordon Harry Will, of Baltimore, Md.
Howard Thomas Williams, of Baltimore, Md.
Louis Henry Windsor, of Baltimore, Md.
Joseph James Wippe, of Baltimore, Md.
Walter Edgar Woodford, Jr., of Centreville, Md.
Robert Lee Yeager, of New York, N. Y.
Herman Frank Zaras, Jr., of Baltimore, Md.
Thomas Franklin Zink, of Baltimore, Md.

Robert Lee Yeager

GRADUATING WITH HONOR

Joseph Emerson Carter
William Binkley Green
Alan Lee Kistler
Urian Edwin Leimkuhler
William Joseph Mariner

Eugene Bisbee McCord
Ronald Moffitt Mergenthaler
Richard Samuel Tankin
Louis Henry Windsor

BACHELORS OF SCIENCE IN AERONAUTICAL ENGINEERING

John Norman Fresh, of Bethesda, Md.
Steven Herman Zeludowski, of Baltimore, Md.

Robert Linsley Zouck, of Baltimore, Md.

(3)

BACHELORS OF SCIENCE IN CHEMICAL ENGINEERING

James Patrick Coyne, of Baltimore, Md.
Gilbert Earl Filler, of Baltimore, Md.

Bruce Andrew Graybeal, of Wharton, N. J.
Merton Dunton Mears, of Baltimore, Md.

(4)

BACHELORS OF SCIENCE IN CIVIL ENGINEERING

Joseph Paul Alfonshi, of Baltimore, Md.
William Charles Dewitz, of Baltimore, Md.

Charles Spencer McCubbin, of Baltimore, Md.

(3)

GRADUATING WITH HONOR

Charles Spencer McCubbin

BACHELORS OF SCIENCE IN ELECTRICAL ENGINEERING

Walter Wade Brown, of Baltimore, Md.
Wilbur Bernard Donat, of Baltimore, Md.

William Henry Zedler, of Baltimore, Md.

(3)

GRADUATING WITH HONOR

Wilbur Bernard Donat
BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

WILLIAM CHARLES ROBEN, of Baltimore, Md.

(1)

MASTERS OF SCIENCE IN ENGINEERING

WITH TITLES OF ESSAYS

JOEL IVAN ABRAMS, of Baltimore, Md., B. E. The Johns Hopkins University, 1949. Civil Engineering.

A Grid Analogy for Analyses of Flat Plates.


Clean Streets.


Variation of Mechanical Properties in Fiberglass Mat Polyester Laminates as a Function of Fiber Length.


Permeability of Filter Cloths.

JAMES THOMAS BLANDFORD, Jr., of Madison, Wis., B. S. United States Military Academy, 1944. Electrical Engineering.

Electronic Semiconductors.


A Study of the Control of Ground Water Resources.

JAMES BONIFACE CAMPBELL, of Washington, D.C., B. S. United States Military Academy, 1944. Aeronautics.


ERIC PAUL CIZEK, of Baltimore, Md., B. E. The Johns Hopkins University, 1948. Chemical Engineering.

A Study of the Effect of Particle Size of a Filler on the Flexural Strength of a Cold Molded Material.

DONALD VANCE COX, of Farragut, Iowa, B. S. United States Naval Academy, 1943. Electrical Engineering.

Solution of Aperture Distribution for a Given Radiation Field Pattern.


A Gas Turbine Drive for the House Generator of a Steam Power Station Utilizing Its Exhaust as Preheated Air to the Steam Generator.

GEORGE ROLAND DEHOF, Jr., of Baltimore, Md., B. E. The Johns Hopkins University, 1948. Chemical Engineering.

The Determination of the Specific Heats of Certain Plastic Materials.

LEONARD DRENNAN, Jr., of Monktown, Md., B. S. Massachusetts Institute of Technology, 1942. Aeronautics.

Fatigue Problems in Aircraft.

JAMES WILKIE DUNHAM, of Washington, D. C., B. S. United States Military Academy, 1944. Aeronautics.

Stability of a Vortex Ring.


Storage of Thermal Energy.

PAUL DAVID FLYNN, of Baltimore, Md., B. E. The Johns Hopkins University, 1948. Mechanical Engineering.

Elastic Waves in a Bar.


Laminar Stability in the Two Dimensional Wake.


The Aeration of Water by Means of Jets.


The Grounding of Power System Neutrals.

WALTER RAWLINS HARRIS, of Hamlet, N. C., B. S. United States Military Academy, 1944. Mechanical Engineering.

A Study of a System of Two Degrees of Freedom Subjected to Pulse Loadings.


Direct Current Vacuum Tube Amplifying Systems.

VANCE ROBERT HEGDEN, of Spartanburg, S. C., B. S. United States Naval Academy, 1941. Electrical Engineering.

Microwave Bridges.


Photosynthetic Oxygen Production in Baltimore Harbor.


Dielectric Behavior of Ferroelectric Crystals.


Some Properties of an Electronic Model of Turbulence.
The Use of the Salt Dilution Method for Measuring Stream Flows Under Low Head and Discharge.

JAMES POLLOCK JAMISON, of Pittsburgh, Penn., B. S. United States Naval Academy, 1941. Electrical Engineering.
A Magnetic Direct-Current Amplifier.

The Application of Industrial Engineering to Clerical Work.

CHARLES MYERS JONES, Jr., of Trenton, N. J., B. S. United States Military Academy, 1943. Mechanical Engineering.
The Motion of a Single Degree of Freedom System under the Influence of a Linearly Damped Moving Foundation.

Natural versus Artificial Fibers as the Filter Media for the Vacuum Filtration of Sewage Sludge.

STANLEY GERICH KADALA, Jr., of Mayaguez, Puerto Rico, B. S. in C. E. College of Agriculture and Mechanic Arts, University of Puerto Rico, 1948. Civil Engineering.
The Economic Justification of Urban Expressways.

WILLIAM HENRY KIRBY, Jr., of Baltimore, Md., B. E. The Johns Hopkins University, 1943. Industrial Engineering.
Work Measurement in Jobbing Industries.

WERNER KLOETZLI, Jr., of Baltimore, Md., B. E. The Johns Hopkins University, 1949. Civil Engineering.
Improvement of the Slums in Baltimore.

YUAN-JI LI, of Taiwan, China, B. C. E. National Tsing Hua University, 1937. Sanitary Engineering.
A Study of the High Rate Trickling Filter.

HENRY MAXWELL LUMMIS, III., of Baltimore, Md., B. S. The Johns Hopkins University, 1949. Civil Engineering.
Design Curves for Anchored Steel Sheet Piling.

The Development of Thermodlectric Generators.

FRANKLIN ARCHIR MARTINE, of Dallas, Tex., B. S. in C. E. Southern Methodist University, 1932. Sanitary Engineering.
Design, Construction, and Calibration of a Simple Unit to Measure Vertical Temperature Distribution in Water.

The Effect of Air Velocity on Pollen Density Determination Using the Standard Gravity Air Sampling Device.

CHARLES BURKE MuDD, of Baltimore, Md., B. E. The Johns Hopkins University, 1949. Civil Engineering.
Model Study by Interferometer Methods.

ALAN THEODORE OSSERMANN, of Baltimore, Md., B. E. The Johns Hopkins University, 1943. Chemical Engineering.
Performance of the Thickener Press on Slurries Which Form Incompressible Cakes.

Conduction of Direct Current through Sliding Contacts. Applications.

LEONARD TOPPE POOL, of Baltimore, Md., B. E. The Johns Hopkins University, 1942. Chemical Engineering.
The Surface Area of Vermiculite.

NORMAN PRESCOTT, of Baltimore, Md., B. S. Michigan State College, 1941. Aeronautics.
The Aerodynamic Behavior of an Airfoil with Accelerated Speed.

THADDEUS JOSEPH PULA, of Baltimore, Md., B. E. E. Villa-

Phosphate Regeneration in Treated Sewage.

A Study of Water-Borne Typhoid Fever Outbreaks.

HAROLD BLACKWOOD SLOAN, of Washington, D. C., B. S. United States Military Academy, 1944. Aeronautics.

The Capacity of Depressed Curb Opening Inlets for Storm Sewers.

FREDERICK CLAYTON SPANN, of Montgomery, Ala., B. S. United States Military Academy, 1943. Electrical Engineering.
High Current Electric Arc and High Speed Electrode Phenomena.

JOSEPH SPERAZZA, of Aberdeen, Md., B. M. E. Cooper Union, 1941. Mechanical Engineering.
The Effect of Atmospheric Pressure and Temperature on Shock from Explosives.
LADDIE L. STAHL, of Terre Haute, Ind., B. S. in C. E. Purdue University, 1942. Aeronautics.

The Velocity Field Induced by the Wings of a Supersonic Aircraft.

HOWARD S. STRAUSSER, Jr., of Reading, Penn., B. S. in C. E. Virginia Military Institute, 1942. Civil Engineering.

A Method for Determining Stresses in a Rigid Frame by the Use of Models.

FRANK JOSEPH TROMBETTA, of Baltimore, Md., B. S. in C. E. Georgia Institute of Technology, 1943. Civil Engineering.

Analysis of a Rigid Space Frame.

CLAude HERMAN WELCH, of Galena Park, Tex., B. S. United States Naval Academy, 1941. Electrical Engineering.

Design and Operation of the Blocking Oscillator.


An Analysis of a Modified Steam Cycle.

ALBERT JOHN WETZEL, of New Orleans, La., B. E. Tulane University, 1939. Aeronautics.


A Temperature Measuring System Using Thermocouples.

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MASTERS OF ENGINEERING
WITH TITLES OF ESSAYS

RICHARD EDWARD FARRAR, of Baltimore, Md., B. S. Virginia Polytechnic Institute, 1938. Chemical Engineering.

A Study of the Adsorption of Malachite Green from Aqueous Solution by Various Iron Oxides.


Application of the High Frequency Oscillator to Chemical Analysis.

WALTER G. FINCH, Jr., of Baltimore, Md., B. E. The Johns Hopkins University, 1940. Mechanical Engineering.

A Study of Fatigue of Steels Due to Repeated Applications of Mechanical Stresses in the Finite Region.

DOCTORS OF ENGINEERING
WITH TITLES OF DISSERTATIONS


Superconducting Niobium Nitride at Microwave Frequencies.

DOUG STUART CARR, of Baltimore, Md., B. S. Loyola College, 1945; M. S. E. The Johns Hopkins University, 1948. Chemical Engineering.

Thermogalvanic Potentials of Nickel.

IRVING GLASSMAN, of Baltimore, Md., B. E. The Johns Hopkins University, 1943. Chemical Engineering.

Determination of the Thermal Conductivity of Air at High Temperatures.

WILLIAM MITCHELL LAIR, of Baltimore, Md., B. S. Purdue University, 1945; M. E. The Johns Hopkins University, 1949. Chemical Engineering.

The Inhibition of Styrene Oxidation and Polymerization by Tertiary Butyl Catechol.

CARVILLE V. MACK, Jr., of Baltimore, Md., A. B. The Johns Hopkins University, 1938; M. Ch. E. 1945. Chemical Engineering.

The Catalytic Hydration of Ethylene in the Vapor Phase.

SHIGEO OKUBO, of Honolulu, Hawaii, B. S. University of Hawaii, 1937; M. S. 1939; M. S. E. The Johns Hopkins University, 1948. Civil Engineering.

Deflections of Grillage Beams and Slabs.


The Use of Sphere Gaps at Radio Frequencies.

WILLIAM T. SACKETT, Jr., of Baltimore, Md., B. E. The Johns Hopkins University, 1941. Electrical Engineering.

Contact Resistance.
Edward Wenzel, Jr., of Bethesda, Md., B. E. The Johns Hopkins University, 1940; M. S. E. The Johns Hopkins University, 1948. Electrical Engineering.

A Microwave Oscillograph.

Irvin Wolock, of Baltimore, Md., B. E. The Johns Hopkins University, 1943; M. E. 1949. Chemical Engineering.

Permeability Studies of Linseed Oil Films.

BACHELORS OF SCIENCE IN BUSINESS

FRANK ABRAHAMS, of Baltimore, Md.
GEORGE SPINDLER AHERN, of Baltimore, Md.
BENJAMIN JOYNS AMES, of Bishop, Md.
RALPH F. BAKER, of Baltimore, Md.
DONELL EDWARD BALMERT, of Baltimore, Md.
ROBERT DIXON BARTLETT, Jr., of Cockeysville, Md.
LEO VINCENT BARRY, Jr., of Baltimore, Md.
WILLIAM IRWIN BASS, Jr., of Baltimore, Md.
WILLIAM LEF BASTRESS, of Baltimore, Md.
WILLIAM B. BEZOS, of Glen Ridge, N. J.
FRED BERNHARDT, of Baltimore, Md.
GORDON MOSES BETZ, of Baltimore, Md.
FRANCIS LORIN BROWN, of Baltimore, Md.
LLOYD MILLARD BUNTING, of Baltimore, Md.
WILLIAM FREDERICK BUTTS, of Baltimore, Md.
HARRY J. CASEY, Jr., of Garrison, Md.
FRANCIS CHARLES CHILN, Jr., of Baltimore, Md.
JONATHAN WILLIAM CLAUSEN, of Baltimore, Md.
RICHARD ALISON CLAYTON, of Berkeley, Calif.
JOHN LIVINGSTON COLDING, of Baltimore, Md.
ARTHUR N. CONNER, Jr., of Baltimore, Md.
WILLIAM ROYALL CRONIN, of Aberdeen, Md.
STANLEY DONALD DAWSON, of Baltimore, Md.
BRIAN LEONARD DEVAN, of Baltimore, Md.
JOHN FRANCIS DEVITZ, of Baltimore, Md.
PHILIP LAWSON FOGARTY, of Baltimore, Md.
ELIAS STEWART FRIANT, Jr., of Baltimore, Md.
DAVID HEBLESTON FULTON, Jr., of Baltimore, Md.
THOMAS LUCIEN GAUDREAU, of Baltimore, Md.
WILLIAM BAYNE GIBSON, of Atlanta, Ga.
MELVIN MANDEL GLASS, of Baltimore, Md.
PAAUL MATTHEW GHIBER, of Baltimore, Md.
LEO JEROME GUGERTY, Jr., of Baltimore, Md.
WILBUR KIRACOFEE HAMMAKER, of Frederick, Md.
THEODORE JOHN HANAFEE, of Baltimore, Md.
DONALD GEORGE HANSON, of Baltimore, Md.
CHAUNCY BROOKS HARRIMAN, of Baltimore, Md.
JOHN ALFRED HATTFIELD, Jr., of Brooklandville, Md.
HEARL S. HILL, Jr., of Baltimore, Md.
EUGENE LEONARD JONES, of Baltimore, Md.

OWEN HANCE JONES, of Baltimore, Md.
SAMUEL JONES, Jr., of Baltimore, Md.
HOWARD MILSOURNE KELLEY, of Salisbury, Md.
ROBERT EDWARD KETCHAM, of New Rochelle, N. Y.
CHESTER TOME KIMBLE, Jr., of Port Deposit, Md.
RUSSELL DAVID KISHBAUCH, of Baltimore, Md.
OTTO KOSCIUSKO LEBRON, Jr., of Ardmore, Penn.
GILBERT BARRY LESSERCO, of Baltimore, Md.
MORTON H. MADDEN, of Baltimore, Md.
MALCOLM D. MAID, of Baltimore, Md.
JOSEPH JAMES MARSHALL, of Baltimore, Md.
FREDERICK REYNOLDS MARCY, of Baltimore, Md.
JAMES ELLIOTT MccARTY, Jr., of Baltimore, Md.
CHARLES JEROME MELLENDICK, of Baltimore, Md.
HARRY ROBERT MELMAN, of Baltimore, Md.
PATRICK MELVIN MERRITT, of Ashland, Ohio.
ALFRED ANDREW MEYER, of Long Branch, N. J.
ROBERT WARREN MIRANK, of Rockville Center, N. Y.
JOHN THOMAS MURPHY, II, of Baltimore, Md.
CHARLES ALBERT NICodemUS, of Walkersville, Md.
REED DAVID O'CONNELL, of Baltimore, Md.
JOSEPH WILLIAM Phipps, III, of Baltimore, Md.
WALTER CORNELIUS POHLHAUS, Jr., of Baltimore, Md.
WILLIAM CONRAD PRINN, Jr., of Baltimore, Md.
BEVERLY COOK RICH, of Baltimore, Md.
CHASE RIDGELY, Jr., of Baltimore, Md.
HARRY LEROY RING, Jr., of Baltimore, Md.
JAMES BURRELL ROBERTSON, of Baltimore, Md.
MORTON HAROLD RODDELL, of Baltimore, Md.
HERBERT IRWIN ROSENTHAL, of Baltimore, Md.
NATHAN SCHLOSS, of Baltimore, Md.
EUGENE HAROLD SCHREIBER, of Baltimore, Md.
OLIVER DAY SHEPARD, of Baltimore, Md.
JACK SOLOMON, of Baltimore, Md.
HARRY VINCENT TIGHE, of Baltimore, Md.
RICHARD HENRY TURKE, III, of Baltimore, Md.
LEE PERRY VANCE, of Ridgefield, Conn.
JUSTIN ANTHONY VITRANO, of Baltimore, Md.
DALE HOWARD WICHHART, of Lincoln University, Penn.
KENNETH E. WILSON, of Baraboo, Wis.

GRADUATING WITH HONOR

REED DAVID O'CONNELL
WILLIAM CONRAD PRINN, Jr.

Dynamically Loaded Ring Having Radial Elastic Support.
BACHELORS OF SCIENCE

Paul P. Adler, of Baltimore, Md.
Charles Grover Albrecht, of Baltimore, Md.
Harold Noel Arrowsmith, Jr., of Baltimore, Md.
Audrey Elizabeth Collins Barrett, of Baltimore, Md.
Emma Teipe Bashore, of Baltimore, Md.
Frank Austin Beebe, Jr., of Christiansburg, Va.
June Nancy Berman, of Baltimore, Md.
Herbert Birnbaum, of Baltimore, Md.
Gustav Blackett, of Washington, D. C.
Cynthia Kathryn Blair, of Chambersburg, Penn.
Jerome Bober, of Baltimore, Md.
Mary Carbery McSherry Boyle, of Westminster, Md.
Alice M. Elste Brown, of Baltimore, Md.
William Edward Buchanan, of Baltimore, Md.
Genevieve Frances Chambers, of Baltimore, Md.
Elizabeth Bennett Cole, of Baltimore, Md.
Sheldon Philip Cohen, of Baltimore, Md.
Mary Evelyn Ditzmar, of Baltimore, Md.
Marcia Amelia Elliott, of Glen Burnie, Md.
Wade Madison Etlison, of Baltimore, Md.
Kathryn Elise Fitzpatrick, of Owings Mills, Md.
Beulah Dixon Fleming, of Baltimore, Md.
Sylvia Eileen Freeman, of Baltimore, Md.
Ruth Adele Fugmann, of Baltimore, Md.
Albert Irwin Fuller, of Washington, D. C.
Amy Elizabeth Gatchell, of Baltimore, Md.
Eugenia Matelis Giardina, of Baltimore, Md.
Lester Gilman, of Baltimore, Md.
Artlington Gilpin, III, of Baltimore, Md.
Minnie Bach Goldsmith, of Baltimore, Md.
Emmett Earl Hearn, of Baltimore, Md.
J. Leonard Hirschhorn, of Baltimore, Md.
Nelva Otta Hobbs, of Baltimore, Md.
Hilda Zetzer Hoffman, of Baltimore, Md.
Virginia Bennett Hurline, of Sykesville, Md.
Wilson Marshall Johnson, of Baltimore, Md.
Harry Clinton Jones, of Parkersburg, W. Va.
Marian Elizabeth Kuzinski, of Parkersburg, W. Va.
Helen Margaret Knox, of Baltimore, Md.
Ruth Elizabeth Knox, of Baltimore, Md.
Ella Levering Clark Kummer, of Baltimore, Md.
Eolin Catherine Kuper, of Baltimore, Md.
Harry Allen Laue, of Baltimore, Maryland.
Robert William Lumsden, of Baltimore, Md.
Hazel Dixon Malles, of White Hall, Md.
Joan Eve Miller, of Baltimore, Md.
William Thomas Moorefield, of Baltimore, Md.
Deborah Bertron Morrison, of Baltimore, Md.
Marjorie Grand-Girard Myers, of Baltimore, Md.
Jacob Neubeuger, of Baltimore, Md.
Estelle Haines Nuttall, of Baltimore, Md.
Philip Anthony O'Brien, of Baltimore, Md.
Emil Madeline Owings, of Baltimore, Md.
Calvin Albert Parker, of Millersville, Md.
Adeline Hyatt Parrish, of Baltimore, Md.
Bessie Bowen Payne, of Baltimore, Md.
Joseph Brannen Payne, of Baltimore, Md.
Helen Perdue, of Baltimore, Md.
Lydia Frances Reich, of Warren, Ohio
Marion Sutton Ridoucou, of Baltimore, Md.
Henry John Roben, of Baltimore, Md.
May Copay Robinson, of Baltimore, Md.
Etta Louise Ryden, of Baltimore, Md.
Rose Sapperstein, of New York, N. Y.
Phyllis Cooper Schaeffer, of Baltimore, Md.
Georgetta Schenkell, of Baltimore, Md.
Pauline Schlaile, of Baltimore, Md.
Erma Ransom Schintker, of Baltimore, Md.
Leonard N. Schuman, of Baltimore, Md.
Helene de Chantal Silk, of Baltimore, Md.
Jeanne Anderson Sinemus, of Baltimore, Md.
Aaron Ronald Smelkinson, of Baltimore, Md.
Harviene M. Soine, of Baltimore, Md.
Virginia Dare Sollers, of Lusby, Md.
Herbert Jerome Stern, of Baltimore, Md.
Dorothy Janet Swart, of Nyack, N. Y.
Harry Edward Swartzbaugh, of Hanover, Penn.
Bernard Benjamin Thiman, of Baltimore, Md.
Frank Carl Zeichner, of Baltimore, Md.
Catherine Louise Zink, of Baltimore, Md.

GRADUATING WITH HONOR

Genevieve Frances Chambers
Amy Elizabeth Gatchell

Hilda Zetzer Hoffman
Aaron Ronald Smelkinson
BACHELORS OF SCIENCE IN NURSING

Mildred Elizabeth Barnard, of Albany, N. Y.
Marion Lois Bee, of Homer N. Y.
Loleta Cecilia Beidelman, of Washington, D. C.
Doris May Benjamin, of Tenafly, N. J.
Geraldine Bodie, of Kannapolis, N. C.
Betty Jane Borenstein, of Baltimore, Md.
Anna Claire, of Berea, Ky.
Arlene Louise Geuder, of Minneapolis, Minn.
I. Virginia Groseclose, of Nebo, Va.
Mary Elizabeth Harris, of Wadsworth, Ohio
A. Virginia Howard, of Sharpsburg, Md.
Martha L. Kenan, of Pittsburgh, Penn.

Cora Jane Lawrence, of Milwaukee, Wis.
F. M. C. Mackie McCown, of Ovaulau, Fiji Islands
Josephine Moore McDavid, of Winchester, Ky.
Eileen Marie Meacham, of Baltimore, Md.
Sarah Knight Mitchell, of Montreal, Que., Canada
Nancy Louise Stagg, of Lexington, Ky.
Mary Agnes Hull Stewart, of Cherryville, N. C.
Eleanor Ruth Summers, of Orchard Lake, Mich.
Annette Theriault, of Washington, D. C.
Helene Wheeler, of Wayne, Penn.
Ruth Stilz Whitmore, of Baltimore, Md.

MASTERS OF EDUCATION
WITH TITLES OF ESSAYS

Dorothy Marie Beatty, of Baltimore, Md., B. S. State Teachers College, Towson, Md., 1944.
John Wilbur Bollinger, of Baltimore, Md., A. B. Western Maryland College, 1946.
Margaret Thompson Bridges, of Baltimore, Md., B. S. College of William and Mary, 1936.
Bessie May Cronhardt, of Lutherville, Md., B. S. State Teachers College, Towson, Md., 1944.
Ruth Allen Gosnell, of Granite, Md., B. S. The Johns Hopkins University, 1941.
LeRoy Harry Hardesty, of Baltimore, Md., B. S. The Johns Hopkins University, 1947.

Mary Ruth Moulrat, of Baltimore, Md., B. S. Teachers College, Columbia University, 1938.
Anne Morlok Noonan, of Bel Air, Md., B. S. The Johns Hopkins University, 1945.
Lucien Francis Peters, Jr., of Middle River, Md., B. S. State Teachers College, Towson, Md., 1942.
Kathleen Suzanne Stewart, of Overlea, Md., B. A. State Teachers College, Clarion, Penn., 1945.
Charles Walter Wayland, of Annapolis, Md., A. B. St. John's College, 1925.
John P. White, of York, Penn., B. S. State Teachers College, West Chester, Penn., 1942.
Mildred Anna Winter, of Baltimore, Md., B. S. The Johns Hopkins University, 1946.

DOCTORS OF EDUCATION
WITH TITLES OF DISSERTATIONS

Sister Margaret Mary O'Connell, of Baltimore, Md., A. B. Notre Dame of Maryland, 1926; M. A. Catholic University, 1938.
The Educational Contributions of the School Sisters of Notre Dame in America for the Century, 1847 to 1947.

The Preparation of White Teachers for the Secondary Schools in Maryland, 1634 to 1940.
MASTERS OF SCIENCE IN HYGIENE
WITH TITLES OF THESES


The Effect of Complement on the Neutralization of Eastern Equine Encephalomyelitis Virus.


DOCTORS OF SCIENCE IN HYGIENE
WITH TITLES OF DISSERTATIONS

Wilford Sheerrill Bailey, of Auburn, Ala., D. V. M. Alabama Polytechnic Institute, 1942; M. Sc. 1946. Parasitology.
Studies on the Host-parasite Relations of Hymenolepis nana var. fraterma.

Junior Harold Drudge, of Bremen, Ind., D. V. M. Michigan State College, 1943. Parasitology.
Studies on the Absorption and Therapeutic Effectiveness of Arsenamide following Oral Administration in the Treatment of Canine Filariasis.

Quantitative Studies on Certain Factors Influencing the Development of Plasmodium gallinaceum in the Mosquito Host.

Abdus Saleem Khan, of Hyderabad, Deccan, India, M. B. B. S. Osmania University, 1939. Bacteriology.
Immunological Relationship between Species and Strains of Virulent Treponemes.

Lawrence Vernon Scott, of Anthony, Kans., B. A. Phillips University, 1940; M. S. Oklahoma University, 1947. Bacteriology.
Some Antigenic Variations in Influenza Virus.

The Effect of Exposure to Industrial Dusts on Susceptibility to Respiratory Infections.

MASTERS OF PUBLIC HEALTH

Antonio José Abrams-P., of Caracas, Venezuela, Doctor of Medicine, Central University, 1946.

Hamdi Acan, of Izmit, Turkey, Doctor of Medicine, University of Istanbul, 1940.

Raúl Alée (Galaz), of Santiago, Chile, M. D. University of Chile, 1946.

Grace Elizabeth Alt, of Baltimore, Md., R. N. Johns Hopkins Hospital School of Nursing, 1933; B. S. George Peabody College for Teachers, 1947.

Angel Manuel Atala, of Manati, Puerto Rico, B. S. University of Puerto Rico, 1941; M. D. University of Buffalo, 1944.

Raymond Frank Barnes, of Webster Groves, Mo., B. S. St. Louis University, 1922; M. D. 1924.

José Martins de Barros, of São Paulo, Brazil, M. D. University of São Paulo, 1944.

Joseph Howard Beard, Jr., U. S. Public Health Service, A. B. University of Illinois, 1939; M. D. The Johns Hopkins University, 1943.

Victor Alfredo Botto, of Lima, Peru, M. D. University of San Marcos, 1945.

John Maxwell Byers, of Baltimore, Md., A. B. Johns Hopkins University, 1928; M. D. New York University and Bellevue Hospital Medical College, 1938.

Zilda Almeida Carvalho, of São Paulo, Brazil, Diploma in Nursing, University of Toronto School of Nursing, 1943.
Hsi-chow Chen, of Taipeh, Formosa, China, M. D. Tai-hoku Imperial Medical College, 1945.

RALPH FLETCHER Davis, of Topeka, Kans., B. S. University of Maryland, 1942; M. D. 1943.

KAMMUEN Dedmani, of Bangkok, Siam, M. D. University of Medical Science, 1932; L. L. B. University of Moral and Political Science, 1937.

Bentotage Karunaratne De Silva, of Sylverine, Matara, Ceylon, L. M. S. Ceylon University, 1922; D. P. H. London School of Hygiene and Tropical Medicine, 1937.


Aryv Evjen, of Oslo, Norway, M. D. University of Oslo, 1943.

Andrew Carl Fleck, Jr., of Troy, N. Y., M. D. Albany Medical College, 1947.


Felice Graziano, of Rome, Italy, M. D. University of Naples, 1939.

Donald Hadding, U. S. Public Health Service, B. S. Harvard University, 1943; M. D. 1946.

José Angel Hernández Matos, of Rio Piedras, Puerto Rico, M. D. National University of Mexico, 1934.

Ruth Boring Howard, of Denver, Colo., A. B. Vassar College, 1915; M. D. Columbia University, 1924.

Thomas Patrick Hughes, of New York, N. Y., A. B. Stanford University, 1921; M. A. 1922; Ph. D. Harvard University, 1930.

Celci Guy Hupp, of Denton, Md., A. B. Bridgewater College, 1936; M. D. Medical College of Virginia, 1943.

Rema Lapouse, of Washington, D. C., B. S. Boston University, 1937; M. D. 1941.

Glen Ronald Lymanster, of Salt Lake City, Utah, A. B. University of Nebraska, 1938; M. D. Harvard University, 1942.

Roman Lopez Fernandez, of Manila, Republic of the Philippines, M. D. University of Santo Tomas, 1940.


Francis Norman Macnamara, of Lagos, Nigeria, B. A. Cambridge University, 1938; M. A. 1941; M. B. Ch. B. 1941; D. T. M. & H. Edinburgh University, 1947.

John Maier, of New York, N. Y., A. B. Harvard University, 1934; M. D. 1938.

Kochetti Kuruvilla Mathew, of Kottayam, Travancore, India, M. A. Madras University, 1948.

Fredrik Mellbye, of Oslo, Norway, M. D. University of Oslo, 1946.

José Bautista Mendez, of Agoo, La Union, Republic of the Philippines, B. S. University of the Philippines, 1939; M. D. 1933; C. P. H. 1936.

Seshila Nayak, of New Delhi, India, M. B. B. S. Punjab University, 1937; M. D. 1942.

Ali Nozari, of Arak, Iran, M. D. University of Tehran, 1944.

John Harland Paul, of New York, N. Y., Ph. B. Yale University, 1923; M. D. Harvard University, 1927; C. P. H. 1927.

La-ong Payandana, of Bangkok, Siam, M. B. Chulalongkaran University, 1933; M. P. H. University of Medical Science, 1949.

Ernest Arvil Phileen, of Sheffield, Ala., B. S. C. E. Alabama Polytechnic Institute, 1931.

Quo Sung-Ken, of Tainan, Formosa, China, M. D. Taiphe Medical College, 1926; M. D. Kyoto Imperial University, 1934; Sc. D. University of Paris, 1938.

Edwin Glover Riley, of Lakeland, Fla., B. S. Rutgers University, 1935; M. D. University of Chicago, 1940; Ph. D. 1942.

Aurora Ofelia Rivera, of Manila, Republic of the Philippines, M. D. University of the Philippines, 1946.

Donald James Roop, of Baltimore, Md., A. B. Western Maryland College, 1936; M. D. University of Maryland, 1940.

Hildegarde Irma Maria Rothmund, of Stuttgart, Germany, M. D. University of Heidelberg, 1945.

Mohammed Safdar, of Sialkot City, Pakistan, B. Sc. Punjab University, 1939; M. B. S. 1947.

Shama Sastry Holayanhally, of Bangalore, India, M. B. S. Mysore University, 1938; D. P. H. Calcutta University, 1941.

Andrew Frederick Scheele, U. S. Army, B. S. M. Georgetown University, 1931; M. D. 1933.

Pradith Siddhichal, of Smadprakarn, Siam, M. B. Chulalongkorn University, 1937.

William John Stevenson, of Belgrave, Australia, L. R. C. P., L. R. C. S. Edinburgh University, 1942; D. T. M. University of Sydney, 1947; D. F. H. 1948.

Boonchuay Subhamani, of Uttaradit, Siam, M. B. University of Medical Science, 1934.

Subrarao Ananta Swamy, of Bangalore, India, M. B. B. S. Bombay University, 1937; B. Sc. 1938; D. P. H. Calcutta University, 1941.

Mangaldevi Talwar, of Kotah, India, M. R. C. S. (England) London School of Medicine for Women and Royal Free Hospital, 1939; L. R. C. P. (London) 1939; L. M. Coombe Lying-in Hospital, 1931.

Bhavongvit Tantichareon, of Bangkok, Siam, M. B. University of Medical Science, 1945; M. P. H. 1949.

Hugo Trecco Lee, of Concepcion, Chile, M. D. University of Chile, 1936.

Cesar Uylangco, of Manila, Republic of the Philippines, A. A. San Beda College, 1937; M. D. University of Santo Tomas, 1942.

Ramon Ménez Villasis, of Manila, Republic of the Philippines, A. A. National University, 1936; M. D. University of the Philippines, 1942.

Adolfo Vianco K., of Concepcion, Chile, M. D. University of Chile, 1939.


Miriam Claribetta Whitaker, of Norfolk, N. Y., R. N. Cornell University New York Hospital School of Nursing, 1944; B. S. Cornell University, 1944; M. S. in Ed. Syracuse University, 1947.

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**DOCTORS OF PUBLIC HEALTH**

**WITH TITLES OF THESIS**

Ukko Pentti Kalervo Kokko, of Helsinki, Finland, M. D. Helsinki University, 1944; M. P. H. The Johns Hopkins University, 1948. Bacteriology.

A Mouse Neutralization Test Using a Small Amount of Whole Blood—A Study With the Lansing Strain of Poliomyelitis Virus.

Sushila Nayar, of New Delhi, India, M. B. B. S. Punjab University, 1937; M. D. 1942; M. P. H. The Johns Hopkins University, 1950. Public Health Administration.


Kishore Chandra Patnaik, of Calcutta, India, M. B. B. S. Lucknow University, 1941; D. P. H. Calcutta University, 1943; M. P. H. The Johns Hopkins University, 1949. Public Health Administration.

The Organization and Administration of an Official Health District as a "Field Training Area" (Practice Field) in an Urban Community Associated With a School of Public Health in India.

Mario Pizzii, of Santiago, Chile, M. D. University of Chile, 1936; M. P. H. The Johns Hopkins University, 1943. Biostatistics.

An Approximate Solution for the Standard Error of $\text{L}_{25}$ as Obtained by the Reed-Muench Method.

Byron Ludwig Steeger, U. S. Army, B. S. Ohio State University, 1931; M. D. 1933; M. P. H. The Johns Hopkins University, 1948. Public Health Administration.

A Training Program for the Federal Hospital Executive.

Alberta Szalita-Pemow, of Paris, France, M. D. Warsaw Medical Faculty, 1936; M. P. H. The Johns Hopkins University, 1948. Public Health Administration.

Attempt at Evaluation of the Psychiatric Needs in the Medical Care Clinic of The Johns Hopkins Hospital.


The Comparability of Population Groups in an Epidemiological Study Designed to Evaluate the Effectiveness of Fly Suppression in the Control of Diarrheal Disease.

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**DOCTORS OF MEDICINE**

John Albert Arcadi, of Whittier, Calif., S. B. University of Notre Dame, 1947.

Leonard Atkins, of Belleville, N. J., S. B. Yale University, 1942.

Mary Caroline Becker, of Williamsville, Mo., A. B. Vanderbilt University, 1946.


Billie Delores Bichacoff, of Fort Wayne, Ind., S. B. Northwestern University, 1942; M. S. University of Chicago, 1945.

Samuel Rehn, Jr., of Huntington, W. Va., A. B. Princeton University, 1941.

Ernest Albert Bolt, Jr., of Worcester, Mass., S. B. University of Massachusetts, 1941.

Marie Baker Britt, of Lumberton, N. C., S. B. Duke University, 1940.

Meril Watters Brown, of Cedar Falls, Iowa, S. B. Iowa State College, 1943.

Robert McCormick Brown, of Chappaqua, N. Y., A. B. University of Rochester, 1946.

Haiiston Reed Carroll, of Rolling Fork, Miss., A. B. Mississippi College, 1941.


Isabella Speenburg Collins, of Aurora, Neb., A. B. Vassar College, 1944.
A.  


Mary Caroline Corner, of Baltimore, Md., A. B. Bryn Mawr College, 1946.


Theodore Michael Feldberg, of Newark, N. J., A. B. Drew University, 1941.


William Bertram Freedman, of Albany, N. Y., A. B. The Johns Hopkins University, 1940; M. S. Rensselaer Polytechnic Institute, 1941.

Lester Howard Gledsman, of Baltimore, Md., S. B. University of Wyoming, 1939; M. S. 1940.

Waverly Sydney Green, Jr., of Crewe, Va., S. B. University of Richmond, 1941.

Willard Ferdinand Greenwald, Jr., of Woodmere, N. Y., A. B. University of Michigan, 1946.

John Lockwood Grow, of Binghamton, N. Y., S. B. Union College, 1942.

Oskar Sigvart Gulbrandsen, of Baltimore, Md., S. B. Virginia Polytechnic Institute, 1940.

Stanford Paul Hampton, of San Francisco, Calif., A. B. Stanford University, 1946.

Thomas Griffin Hardy, Jr., of Farmville, Va., A. B. University of Virginia, 1946.

Basil Thomas Harkr, of Oklahoma City, Okla., University of Oklahoma; Texas Christian University.

Frank Downing Hauber, of Johnstown, Penn., S. B. Bethany College, 1938.

Bernard Jacob Havensback, of Haverhill, Mass., S. B. Massachusetts Institute of Technology, 1946.

William Herbert Head, Jr., of Mahony City, Penn., S. B. Philadelphia College of Pharmacy and Science, 1943; A. B. Temple University, 1946.


Jack Hardwick O. Hovick, of Los Angeles, Calif., A. B. University of California, 1941.

George Bowditch Hunter, Jr., of Washington, D. C., S. B. Massachusetts Institute of Technology, 1937.

Jack Baskeville Imboden, of Morriston, Ark., Notre Dame University.

Minter Morgan Jackson, of Radford, Va., A. B. University of Virginia, 1938; M. A. 1939; Ph. D., 1941.

Carol Greacen Johnson, of Coatesville, Penn., A. B. Wellesley College, 1944.


Amalia Katsigeants, of Brawley, Calif., A. B. University of Southern California, 1946.

Harry Chris Kiris, of Scranton, Penn., S. B. University of Pittsburgh, 1946.


Louis Baer Kramer, of Niagara Falls, N. Y., S. B. Niagara University, 1943.

Doris Vivian Latham, of Antioch, Calif., A. B. Stanford University, 1946.

Rex Raphael Martin, of Tunnellton, W. Va., S. B. West Virginia University, 1942.


Anne Bishop McKusick, of Rochester, N. Y., A. B. Cornell University, 1944.

Timona Miller, of Baltimore, Md., A. B. Stanford University, 1946.

Albert Minzter, of Newark, N. J., A. B. Princeton University, 1946.

Russel LeRoy Mosesley, of Evansville, Ind., A. B. Wabash College, 1934; M. S. St. Louis University, 1936; Ph. D. University of Minnesota, 1939.

Walter Hamilton Otto, Jr., of San Jose, Calif., A. B. San Jose State College, 1943.

Harley Parrott, of Hanceock Pt., Me., S. B. Harvard University, 1942.

John Emmett Peters, of Houston, Tex., A. B. University of California at Los Angeles, 1940.

Daniel Wells Pratt, of Glendale, Calif., A. B. Pomona College, 1941.


Thomas Elmer Reichelderfer, of Ocean Grove, N. J., S. B. Rutgers University, 1939.


John Frederick Scholer, of Manhattan, Kansas, A. B. Dartmouth College, 1947.

Herbert Aaron Selekow, of Baltimore, Md., S. B. Franklin and Marshall College, 1943.

Cody Lane Smith, of Weston, W. Va., A. B. West Virginia University, 1946.

David Weyhe Smith, of Carson City, Nev., A. B. University of California, 1946.
MARGARET SHEFFIELD SPIES, of Alvin, Tex., S. B. University of Texas, 1938.

CHARLOTTE L. R. SPODDEN, of Detroit, Mich., S. B. University of Michigan, 1944.

RICHARD MYRON ULERY, of Riffe, Wash., S. B. State College of Washington, 1939.


JOHN FLOMA WATKINS, of San Pedro, Calif., A. B. University of California at Los Angeles, 1943.

MARY FALORSI WATT, of Waterbury, Conn., A. B. Barnard College, 1945.

JOHN GAY WELLS, of Baltimore, Md., S. B. Duke University, 1942.

CLARENCE JOSEPH WHEELER, Jr., of Houston, Tex., S. B. Southern Methodist University, 1941; A. B. 1946.

JOE WILLIE WIGGINS, of Sidot, Miss., A. B. Millsaps College, 1946.

MASTERS OF ARTS
WITH TITLES OF ESSAYS


GEORGE THOMAS ARTOLA, of Baltimore, Md., Romance Languages.


INDIANA: Political Profile 1924-48.


WILLIAM BENESCH, of Baltimore, Md., B. A. Lehigh University, 1942. Physics.

ELIZABETH BROOKE BLACKBURN, of Charles Town, W. Va., A. B. Vassar College, 1931. Writing, Speech and Drama.

LEST WE FORGET: A Novel.


THE INTERNATIONAL COMMERCIAL AND FINANCIAL POLICY OF THE ITALIAN CORPORATE STATE AND ITS RELATIONSHIP TO ECONOMIC DEVELOPMENT.


HARRY LAWSON CARR, of Pasadena, Calif., B. A. University of Southern California, 1948. Writing, Speech and Drama.

GERAN: A Collection of Poems.

JOHN ALEXIE CRANE, Jr., of Baltimore, Md., A. B. The Johns Hopkins University, 1949. Writing, Speech and Drama.

SOME EXPERIMENTS WITH THE SHORT STORY.

CHARLES NASH CREASP, of Scarsdale, N. Y., B. S. Massachusetts Institute of Technology, 1942. Chemistry.


CLARENCE TAYLOR DELHAVEN, of Baltimore, Md., A. B. Western Maryland College, 1939. Writing, Speech and Drama.

VALLEY OF THE SHADOW: A PLAY IN THREE ACTS AND AN EPILOGUE.

ANTHONY JOHN DELORENZO, of Baltimore, Md., B. A. Wabash College, 1946. Psychology.

JOHN SEBASTIAN DERR, of Frederick, Md., A. B. The Johns Hopkins University, 1943. Physics.


DOMS ANNE FORNACI, of Baltimore, Md., B. S. The Johns Hopkins University, 1949. Writing, Speech and Drama.

FRANÇOIS MAURICE'S "ASMODÈS" : A TRANSLATION OF THE PLAY, WITH INTRODUCTION AND PREFACE.


RAYMOND CYRIL FRANKE, of Milwaukee, Wis., B. A. University of Wisconsin, 1940. Writing, Speech and Drama.

DARK WORLD AND WIDE: A COLLECTION OF SHORT STORIES.


CLIVE EDWARD GLOVER, of Fort William, Ont., Canada, B. A. University of Western Ontario, 1949. INTERNATIONAL RELATIONS.

THE ROLE OF THE UNITED NATIONS COMMISSION FOR INDONESIA.

CLAIRA ERNESTINE GREFFER, of Baltimore, Md., A. B. Goucher College, 1931. Education.

ROBERTSON GRISWOLD, Jr., of Baltimore, Md., B. A. Williams College, 1942. English.


History of the Territorial Dispute between Siam and French Indo-China and Post-War Developments in the Disputed Territories.


Thirty Poems.


Gordon Thomas Heistad, of White Lake, Wis., B. A. Concordia College, 1948. Psychology.


Mary Elizabeth Hill, of Upperea, Md., B. A. Smith College. 1921. Education.

Manly Johnson, of Ann Arbor, Mich., B. A. University of Michigan, 1946. Writing, Speech and Drama.

A Collection of Poems.


Henry Desmond Martin, of Montreal, Que., Canada, B. A. McGill University, 1934. History.

Chinghis Khan.


A Review of Some Selected Aspects of Statutory Interpretation.

George Edward McDonough, of Bridgeport, Conn., A. B. University of California, 1949. Writing, Speech and Drama.

A Collection of Poems.

John Gilbert McDonough, of Baltimore, Md., A. B. The Johns Hopkins University, 1937. Education.

Richard William McQuaid, of Towson, Md., A. B. University of California, 1943. Chemistry.


Virginia Matthews McLean, of Salt Lake City, Utah, A. B. University of Utah, 1944. Writing, Speech and Drama.

Concentric Worlds in "Remembrance of Things Past."

Karl Mendel, Jr., of Dallas, Tex., B. A. Southern Methodist University, 1942. History.

The Ultra-Tory Opposition in the House of Lords to the Catholic Emancipation of 1829.

Judy Mendels, of Amsterdam, Netherlands, University of Amsterdam. German.

The Historical Background of Conrad Ferdinand Meyer's "Protestant Saints."


George Hamilton Mowbray, of Baltimore, Md., B. A. The Johns Hopkins University, 1950. Psychology.


Cold Pastoral: A Collection of Poems.


Wilmott Ragsdale, of Baltimore, Md., B. A. University of Washington, 1949. Writing, Speech and Drama.

Small Fear: A Novel.

Julia Van Ness Randall, of Towson, Md., A. B. Bennington College, 1945. Writing, Speech and Drama.

Forty Poems.

Duncan Crossy Robertson, of Toronto, Ont., Canada, 1947. English.

Robert Earl Riverbank, of Savannah, Ga., A. B. Oglethorpe University, 1942. Writing, Speech and Drama.

Invisible Cord: A Novel.


Post-War Exchange Problems and Monetary Adjustment in Syria.

Karl Marx Schmidt, Jr., of Utica, N. Y., A. B. Colgate University, 1948. Political Science.

The 1948 Progressive Party: A Study in Political Organization.

George Frank Schneider, of Sterling, Ohio, B. A. College of Wooster, 1949. Geology.


Adolph Seligman, of Baltimore, Md., A. B. The Johns Hopkins University, 1939. Education.

Sidney Shapiro, of Washington, D. C., B. A. University of California, 1948. Writing, Speech and Drama.


DOCTORS OF PHILOSOPHY
WITH TITLES OF DISSERTATIONS

Freydoun Azadi Afsar, of Tehran, Iran, B. S. in M. E. University of Idaho, 1936; M. S. University of Chicago, 1946. Geology. Taxonomic Revision of the Cretaceous and Cenozoic Tellinidae.


Wendell Thomas Caraway, of Baltimore, Md., B. S. William College, 1942; M. A. Miami University, 1943. Physiological Chemistry. The Oxidation of Ascorbic Acid by o-Iodosobenzoic Acid.


Leo Diesenbruck, of Kingston, R. I., B. A. University of Cincinnati, 1941. Physics. Theory of the Angular Distribution of Nuclear Resonance Reactions and Application to the O16 (d, p) O17 Reaction.

Paul Dolan, of Newark, Del., B. S. University of Pennsylvania, 1933; M. A. 1936. Political Science. The Organization of State Administration in Delaware.


CLAIRE WITTLER ECKELS, of Baltimore, Md., A. B. Oberlin College, 1943; M. A. The Johns Hopkins University, 1946. Art.

Baltimore’s Earliest Architects.


Trilobites from the Lower Lineolnshire Limestone near Strasburg, Shenandoah County, Virginia.

ABDEL-HAMID MOUSTAPA FARGHALY, of Cairo, Egypt, B. S. Cairo University, 1935; M. Sc. 1941. Biology.

Factors Influencing the Growth and Light Production of Luminous Bacteria.


MARY LAURA FRANCIS, of Delmar, Del., B. A. University of Delaware 1926; M. A. The Johns Hopkins University, 1932. Romance Languages.

Boileau in the Opinion of Five French Romanticists.


The Absolute Absorption Coefficient of Germanium and the Fine Structure in the K-Edge of Some of its Compounds.

ALFRED GOLDBERG, of Baltimore, Md., A. B. Western Maryland College, 1938. History.

Air Logistics: Its Role in the European Theater in World War II.


Southern Solidarity in National Politics.

SOL HOWARD GOODALL, of Baltimore, Md., B. S. University of Maryland, 1912. Biology.

The Effect of Photoactivating Light on the Survival and Frequency of Mutations in Ultra-violet Irradiated Microconidia of Neurospora Crassa.


The Construction of Subjective Brightness Scales from Fractionation Data: A Validation.

THOMAS SOUTHWORTH HARRISON, of Indianapolis, Ind., A. B. Amherst College, 1942; M. A. The Johns Hopkins University, 1948. Chemistry.

Some Conductance Studies of Aluminum Bromine Complexes in Benzocyanide and in Nitrobenzene at 25°.


Intensity in the Arc Spectrum of Nickel and Observation in the Arc Spectrum of Iron-Nickel Alloys.

NORMAN HIER, of Long Island, N. Y., B. S. City College of New York, 1943. Geology.

The Petrology of the Baltimore Gabbro and Petrography of the Baltimore-Patapsco Aqueduct.

MARTIN HURSTFIELD, of Baltimore, Md., B. S. College of the City of New York, 1936. Physics.

Light Emission in the Low Pressure Hydrogen Discharge.

LAWRENCE ARVES HOFFMAN, of Aurora, Ill., B. A. Aurora College, 1940; M.A. University of Chicago, 1943. Geography.

Population and Economic Development in India and Pakistan.


The Date and Composition of Ezekiel.

CLARENCE KAHN, Jr., of St. Louis, Mo., B. S. St. Louis University, 1944. Chemistry.

Pyridine-Bromine and Pyridyl-Pyridinium Compounds.

THOMAS FRANCIS MOORE, of Dallas Tex., B. S. Southern Methodist University, 1944; M. A. The Johns Hopkins University, 1949. Chemistry.

Investigation of the Heat of Wetting of Silica.


A Syntactical Study of the Dialect of Byblos as Reflected in the Amarna Tablets.

LOYD DARRELL MUSOL, of Huron, S. D., B. A. Huron College, 1941; M. A. University of South Dakota, 1946. Political Science.

Federal Examiners and the Conflict of Legal and Administrative Traditions.


Ugaritic and the Book of Isaiah.

CHRISTINE ANNEKREIS ORTEL, of Portland, Ore., B. A. Mills College, 1945. German.

An Analysis of Stifter’s Nachsommer in Respect to the Concept “Gestalt.”

FRANK S. PARKER, of Baltimore, Md., B. S. Tufts College, 1942; M. S. 1944. Chemistry.

The Interaction of a 4-Aminoguanine with Proteins and Nucleic Acids.

CLARENCE SAUNDERS RAINWATER, of Baltimore, Md., B. S. Birmingham Southern College, 1941. Physics.

The Energy Distribution in the Continuous Spectrum of Molecular Hydrogen.

RICHARD GODFREY RAY, of Washington, D. C., B. A. Williams College, 1942; S. M. Brown University, 1943. Geology.

Geology and Ore Deposits of the Willow Creek Mining District, South Central Alaska.

The Angular Yield of Alphas, Protons, and Tritons from the Bombardment of Be by Deuterons.


 Contributions to the Theory of Partially Ordered Groups.


Milton Sack, of Baltimore, Md., B. S. City College of New York, 1937; M. S. New York University, 1941. Chemistry.

1, 2, 3, 4-Cyclobutanetetracarboxylic Acid.

Kenneth Martin Sander, of Babylon, N. Y., B. S. Polytechnic Institute of Brooklyn, 1942; M. A. The Johns Hopkins University, 1947. Chemistry.

Liquid Structure and Hydrogen Bonding.


A Structural Study of the Sugarloaf Mountain Area, Maryland, as a Key to Piedmont Stratigraphy.


The Legates of Galatia from Augustus to Diocletian.

Jack Roy Strange, of Dallas, Tex., B. A. Southern Methodist University, 1943; M. A. 1947. Psychology.

The Effect of an Irrelevant Drive on the Reaction Tendency Specific to Another Drive.


The Purification and Properties of Luciferesceine—a Fluorescent Compound from Photinus Pyralis.

Benson Ross Sundheim, of Brooklyn, N. Y., B. A. The Johns Hopkins University, 1944; M. A. 1947. Chemistry.

The Electrochemistry of Fused Cuprous Chloride.


Predications of Value.

Julius Turner, of Boston, Mass., A. B. Colgate University, 1943; M. A. The Johns Hopkins University, 1947. Political Science.


Matthew Cary Waddell, of Baltimore, Md., B. S. Hamilton College, 1938; M. A. University of Minnesota, 1940. Mathematics.

On Properties of Regular Rings.

John Walton, of Baltimore, Md., A. B. Transylvania College, 1932; M. A. University of Kentucky, 1936. Education.

Major Emphases in Education in a Selected List of General Periodicals 1928-1947.


The Removal of Escherichia Coli from Estuarine Waters by Adsorption on and Flocculation of Silts.

John Franklin Yost, of Brodbeck, Penn., B. S. Western Maryland College, 1943; M. A. The Johns Hopkins University, 1948. Chemistry.

Synthetic Approaches of Auxins a and b.

John Peter Zubek, of West Grand Forks, B. C., Canada, B. A. University of British Columbia, 1946; M. A. University of Toronto, 1948. Psychology.

The Cortical Basis of Roughness Discrimination in the Rat.

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