<table>
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<th>NOVEMBER</th>
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### COLLEGE CALENDAR

#### 1949

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
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<tbody>
<tr>
<td><strong>June 19</strong></td>
<td>Sunday</td>
<td>Commencement</td>
</tr>
<tr>
<td><strong>SEPT. 16-22</strong></td>
<td>Monday through Thursday</td>
<td>Freshman Days</td>
</tr>
<tr>
<td><strong>SEPT. 21-22</strong></td>
<td>Wednesday and Thursday</td>
<td>Enrollment</td>
</tr>
<tr>
<td><strong>SEPT. 22</strong></td>
<td>Thursday</td>
<td>College Assembly</td>
</tr>
<tr>
<td><strong>SEPT. 23</strong></td>
<td>Friday</td>
<td>Classes begin</td>
</tr>
<tr>
<td><strong>OCT. 29</strong></td>
<td>Saturday</td>
<td>Prelim. Freshman warnings due</td>
</tr>
<tr>
<td><strong>OCT. 29</strong></td>
<td>Saturday</td>
<td>Fall Houseparties</td>
</tr>
<tr>
<td><strong>NOV. 5</strong></td>
<td>Saturday</td>
<td>Wesleyan game at Middletown</td>
</tr>
<tr>
<td><strong>NOV. 12</strong></td>
<td>Saturday</td>
<td>Amherst game at home</td>
</tr>
<tr>
<td><strong>NOV. 19</strong></td>
<td>Saturday</td>
<td>Warnings due</td>
</tr>
<tr>
<td><strong>NOV. 23</strong></td>
<td>Wednesday, 12 m.</td>
<td>Thanksgiving recess begins</td>
</tr>
<tr>
<td><strong>NOV. 28</strong></td>
<td>Monday, 8 a.m.</td>
<td>Thanksgiving recess ends</td>
</tr>
<tr>
<td><strong>DEC. 17</strong></td>
<td>Saturday, 12 m.</td>
<td>Christmas recess begins</td>
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#### 1950

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td><strong>JAN. 4</strong></td>
<td>Wednesday, 8 a.m.</td>
<td>Christmas recess ends</td>
</tr>
<tr>
<td><strong>JAN. 21</strong></td>
<td>Saturday, 12 m.</td>
<td>Classes end</td>
</tr>
<tr>
<td><strong>JAN. 23-Feb. 2</strong></td>
<td>Monday through Thursday</td>
<td>Midyear examinations</td>
</tr>
<tr>
<td><strong>FEB. 3-5</strong></td>
<td>Friday through Sunday</td>
<td>Midyear recess</td>
</tr>
<tr>
<td><strong>FEB. 5</strong></td>
<td>Sunday</td>
<td>First semester ends</td>
</tr>
<tr>
<td><strong>FEB. 6</strong></td>
<td>Monday, 8 a.m.</td>
<td>Classes begin</td>
</tr>
<tr>
<td><strong>FEB. 11-13</strong></td>
<td>Saturday through Monday</td>
<td>Midwinter Home-coming</td>
</tr>
<tr>
<td><strong>APR. 1</strong></td>
<td>Saturday, 12 m.</td>
<td>Warnings due</td>
</tr>
<tr>
<td><strong>APR. 10</strong></td>
<td>Monday, 8 a.m.</td>
<td>Spring recess begins</td>
</tr>
<tr>
<td><strong>MAY 6</strong></td>
<td>Saturday</td>
<td>Spring recess ends</td>
</tr>
<tr>
<td><strong>MAY 24</strong></td>
<td>Wednesday</td>
<td>Spring Houseparties</td>
</tr>
<tr>
<td><strong>MAY 26-JUNE 7</strong></td>
<td>Friday through Wednesday</td>
<td>Classes end</td>
</tr>
<tr>
<td><strong>JUNE 10 and 12</strong></td>
<td>Saturday and Monday</td>
<td>Final examinations</td>
</tr>
<tr>
<td><strong>JUNE 16</strong></td>
<td>Friday</td>
<td>Memorial Day, a holiday</td>
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<tr>
<td><strong>JUNE 17</strong></td>
<td>Saturday</td>
<td>Major examinations</td>
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<tr>
<td><strong>JUNE 18</strong></td>
<td>Sunday</td>
<td>Class Day Exercises</td>
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<tr>
<td><strong>JUNE 18</strong></td>
<td>Sunday</td>
<td>Alumni Meeting</td>
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<td></td>
<td>Baccalaureate Sermon</td>
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<tr>
<td></td>
<td></td>
<td>Commencement</td>
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### Summer Vacation

<table>
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<tr>
<td><strong>SEPT. 16-22</strong></td>
<td>Saturday through Friday</td>
</tr>
<tr>
<td><strong>SEPT. 22-23</strong></td>
<td>Friday and Saturday</td>
</tr>
<tr>
<td><strong>SEPT. 23</strong></td>
<td>Saturday</td>
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<tr>
<td><strong>SEPT. 24</strong></td>
<td>Sunday</td>
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<tr>
<td><strong>SEPT. 25</strong></td>
<td>Monday, 8 a.m.</td>
</tr>
<tr>
<td><strong>OCT. 21</strong></td>
<td>Saturday</td>
</tr>
<tr>
<td><strong>OCT. 28</strong></td>
<td>Saturday</td>
</tr>
<tr>
<td><strong>NOV. 11</strong></td>
<td>Saturday</td>
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<tr>
<td><strong>NOV. 18</strong></td>
<td>Saturday</td>
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<tr>
<td><strong>NOV. 18</strong></td>
<td>Saturday</td>
</tr>
<tr>
<td><strong>NOV. 22</strong></td>
<td>Wednesday, 12 m.</td>
</tr>
<tr>
<td><strong>NOV. 27</strong></td>
<td>Monday, 8 a.m.</td>
</tr>
<tr>
<td><strong>DEC. 20</strong></td>
<td>Wednesday, 3 p.m.</td>
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Freshman Days  
Enrollment  
College Assembly  
First Chapel Service  
Classes begin  
Prelim. Freshman warnings due  
Fall Houseparties  
Wesleyan game at Middletown  
Amherst game at home  
Warnings due  
Amherst game at Amherst  
Thanksgiving recess begins  
Thanksgiving recess ends  
Christmas recess begins
PRESIDENTS

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Zephaniah Swift Moore, D.D., 1815-1821
Edward Dorr Griffin, D.D., 1821-1836
Mark Hopkins, M.D., D.D., LL.D., 1836-1872
Paul Ansel Chadbourn, D.D., LL.D., 1872-1881
Franklin Carter, Ph.D., LL.D., 1881-1901
John Haskell Hewitt, LL.D., Acting President, 1901-1902
Henry Hopkins, D.D., LL.D., 1902-1908
Harry Augustus Garfield, L.H.D., LL.D., 1908-1934
Tyler Dennett, Ph.D., Litt.D., L.H.D., LL.D., 1934-1937
James Phinney Baxter, 3rd, Ph.D., Litt.D., L.H.D., D.Sc., LL.D., 1937-

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Alfred Shriver, B.A., West New Brighton, Staten Island, N. Y.
James Berwick Forgan, Lake Forest, Ill.
Daniel Knowlton Chapman, B.A., Mount Kisco, N. Y.
Henry Needham Flynt, B.A., Greenwich, Conn.
Mark Winfield Cresap, Jr., M.B.A., Winnetka, Ill.
Meredith Wood, B.A., New York, N. Y.
Stuart John Templeton, B.A., LL.B., Lake Forest, Ill.
George Dykeman Sterling, B.A., Maplewood, N. J.
Charles Denison Makepeace, B.A., Secretary

Trustees Emeriti

William Pratt Sidley, M.A., LL.B., Winnetka, Ill. (1921-1949)

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Committee on Instruction: Lewis Perry, Chairman; Morris B. Lambie, Daniel K. Chapman, George A. White, Meredith Wood, James A. Linen, III, Stuart J. Templeton.

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*The President is a member of all Trustee Committees.
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Retiring 1952
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GEORGE OLMSTED JR. ’24, Chestnut Hill, Mass.
R. CRAGIN LEWIS ’41, New York, N. Y.

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ALAN G. JAMES ’43, Washington, D. C.

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   JOHN C. JAY ’38, Williamstown, Mass.
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Director of Health and Athletics, Emeritus
31 School St.
Carl Wilhelm Johnson, Ph.D.
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Wilton, N. H.
Brainerd Mears, Ph.D.
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71 South St.

*Arranged in order of appointment to rank.
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  Orrin Sage Professor of Economics

Orie William Long, Ph.D., Litt.D.  139 Main St.
  William Dwight Whitney Professor of German Literature

Elbert Charles Cole, Ph.D., Samuel Fessenden Clarke Professor of Biology  Ide Rd.

*Harry Leslie Agard, Ph.D., Professor of Mathematics  The Knolls

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  Garfield Professor of Ancient Languages

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  Thomas T. Read Professor of Physics

**Elliott Mansfield Grant, Ph.D.  Lynde Lane
  Alumni Fund Professor of Romanic Languages

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*Volney Hunter Wells, Ph.D., Professor of Mathematics  3 Chapin Court

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  Professor of Biology and Adviser to Premedical Students

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  J. Leland Miller Professor of American History, Literature, and Eloquence

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  Professor of Physics and Liaison Officer for Williams-M.I.T. Combined Plan

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*Alan Sweezy, Ph.D., Professor of Economics

Howard Parker Stabler, Ph.D., Professor of Physics  186 Main St.

*On leave 1949-50.

**On leave second semester 1949-50.
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 Professor of History and Counselor for Students applying for the Foreign Service of the United States

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EMILE DESPRES, B.S., Professor of Economics  College Place
**VINCENT MACDOWELL BARNETT, JR., PH.D.  6 Stetson Court
 Professor of Political Science

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 Professor of Public Speaking

JOHN CLARKSON JAY, B.A., Director of Athletics  Fort Hoosac Place
 Professor of Air Science and Tactics

Jackson Professor of Christian Theology

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MICHELE ANGELO VACCARIELLO, B.A.  Denison Park
 Associate Professor of Romanic Languages

LAWRENCE WILSON BEALS, PH.D., Associate Professor of Philosophy  Stetson Court
ROY LAMSON, JR., PH.D.  Northwest Hill Rd.
 Associate Professor of English and Curator of the Whiteman Collection

*On leave first semester 1949-50.
**On leave 1949-50.
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Joaquín Nin-Culmell, Diplômé, Schola Cantorum and  33 School St.
     Premier Accessit de Composition Musicale, Conservatoire (Paris)
     Associate Professor of Music

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     Assistant Professor of Physical Education

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     Assistant Professor of Political Science and Secretary of the Faculty

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FREDERICK CLEVELAND COPELAND, PH.D.  Fort Hoosac Place
     Director of Admissions and Assistant Professor of Biology

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SVEND LAURSEN, PH.D., Assistant Professor of Economics  Dewey House

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     Assistant Professor of Chemistry

DELAVAN PIERS EVANS, B.A.
     Assistant Professor of Political Science

EDWARD GODFREY TAYLOR, PH.D.
     Assistant Professor of Chemistry

*On leave 1949-50.
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James Clay Hunt, Ph.D., Assistant Professor of Art Old Faculty Club

David Leb Gass, B.A., Assistant Professor of English Forget-Me-Not Inn

Chester Wallace Jordan, Jr., F.A.S., F.A.I.A.

Assistant Professor of Mathematics Stetson Court

James MacGregor Burns, Ph.D. 150 Main St.

Assistant Professor of Political Science

Samuel Rusmisell Aspinall, Ph.D. Green River Rd.

Assistant Professor of Chemistry

George Alfred Bennett, Capt. 192 Notch Rd., North Adams

Assistant Professor of Air Science and Tactics

Orrin Thomas Bowland, B.S., 1st Lt. Sloane Rd.

Assistant Professor of Air Science and Tactics

*William Bryam Gates, Jr., Ph.D. 37 Southworth St.

Assistant Professor of Economics

Robert Carleton Goodell, M.A., Assistant Professor of German Stetson Rd.

Frank Ellwood Bell, B.S., Assistant Professor of Physical Education Stetson Rd.

Richard Oliver Rouse, Jr., M.A., Assistant Professor of Psychology 140 Main St.

Leonard Alvyn Watters, B.P.E. Grace Court

Assistant Professor of Physical Education

Chester Henry Gordon, M.S., Assistant Professor of Mathematics Stetson Rd.

David Clifton Bryant, Jr., B.S.Ed., M.A. Gale Rd.

Director of the Adams Memorial Theatre

John Drew O'Neill, M.A., Assistant Professor of English Old Faculty Club

Irving Arnold Sirken, M.P.A., M.A. 115 Park St.

Assistant Professor of Economics

Henry Bruce McClellan, B. A. Stetson Road

Assistant Dean, Assistant Director of Admissions and Adviser to Foreign Students

Paul Gordon Clark, M.A., Assistant Professor of Economics Stetson Rd.

William Henry Martin, M.A., Assistant Professor of Economics 51 Park St.

Robert George Leeson Waite, Ph.D., Assistant Professor of History Stetson Rd.

Alex John Shaw, M.A., Assistant Professor of Physical Education 1 Hoxsey St.

Russell John Barry, 1st Lt. 92 South St.

Assistant Professor of Air Science and Tactics

Oliver Meredith Flanders, M.F.A. 277 West Main St.

Lecturer in the Adams Memorial Theatre

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Everett Warner Bovard, Jr., Ph.D., Lecturer in Psychology 265 West Main St.
Henry Collier Wright, M.D., Physician 3 Chapin Court
*Corning Chisholm, M.A., Instructor in German Grace Court
Edwin Brownell Stube, B.A., Instructor in Music Colonial Village

Instructor in Physical Education

Harrison Hurst Young, Jr., B.A., Instructor in Chemistry Williams Hall Annex
Roger Gordon Alexander, Jr., M.A., Instructor in Geology Williams Hall Annex
Paul Rogers Barstow, B.A., Instructor in English Williams Hall Annex
Russell Henry Bastert, M.A., Instructor in History Williams Hall Annex
Henry Webb Johnstone, Jr., Ph.D., Instructor in Philosophy 68 South St.
Ellsworth Goodwin Mason, Ph.D., Instructor in English Stetson Rd.

Instructor in Romanic Languages and in Russian

Edgar Nathan Mayer, M.A. 256 West Main St.

Instructor in English

William Kent Rose, M.A., Instructor in English Stetson Rd.
Walter Alfred Sedelow, Jr., B.A., Instructor in History 4 Chapin Court
Anson Conant Piper, M.A., Instructor in Romanic Languages Stetson Rd.
**John Kenneth Savacool, B.A. 256 West Main St.

Instructor in Mathematics

Robert William Buttel, M.A., Instructor in English Williams Hall Annex
Robert Merrell Gleason, B.A., Instructor in Political Science 52 Meacham St.
John Sharpless Klein, M.S., Instructor in Mathematics 150 Main St.
Jack Barry Ludwig, B.A., Instructor in English Stetson Rd.
David Godfrey Mead, B.A., Instructor in Mathematics Old Faculty Club
Stephen Sadler Stanton, M.A., Instructor in English College Place
Fred Greene, M.A., Instructor in Political Science Stetson Rd.
S. Cushing Strout, Jr., M.A., Instructor in English Grace Court
†Francis Bradley Lynch, B.A., Instructor in English 25 Southworth St.
**Mark Hubert Curtis, B.A., Instructor in History Grace Court
**Robert Cloy Humphrey, M.A., Instructor in English 25 Southworth St.
Edward James Russell, Jr., M/Sgt. Colonial Village

Assistant Instructor in Air Science and Tactics

*On leave second semester 1949-50.
**Second semester 1949-50.
†First Semester, 1949-50.
OFFICERS OF INSTRUCTION, COACHES, LIBRARY

Dwight Leslie Barnard, Jr., M/Sgt. 200 North St.
   Assistant Instructor in Air Science and Tactics

Gerald Skinner, S/Sgt.  Stratton Rd.
   Assistant Instructor in Air Science and Tactics

Ellis Raymond Craig, S/Sgt. 272 West Main St.
   Assistant Instructor in Air Science and Tactics

Robert Paul Desch, B.S., Graduate Assistant in Chemistry 25 Belden St.
Charles Henry Heuer, B.A., Graduate Assistant in Physics Alumni House

David Miller Sutherland, B.A.  Forget-Me-Not Inn
   Graduate Assistant in Chemistry

Gilbert Emerson Merrill, B.S.  Williams Hall Annex
   Graduate Assistant in Biology

Norman Smith Beyer, B.S., M.E., Graduate Assistant in Physics 33 North St.

Samuel Huet Graybill, Jr., B.A., Graduate Assistant in Art Alumni House

Dudley Shepard Taft, B.A., Graduate Assistant in Physics 23 Hoxsey St.

Norman John Beckman, B.A., Graduate Assistant in Physics 20 Southworth St.

Ernest John Bianco, B.S. 74 Chestnut St., North Adams
   Graduate Assistant in Chemistry

Charlton Edward Davis, B.S., Graduate Assistant in Physics Latham St.

Leo Joseph McCue, B.A., Graduate Assistant in Physics 71 Spring St.

Henry Peper, Jr., B.S., Graduate Assistant in Chemistry 256 West Main St.

Robert Sargent Bacon, B.A., Graduate Assistant in Biology Biology Laboratory

Charles Godwin Irish, Jr., B.S., Graduate Assistant in Physics 27 Hoxsey St.

ATHLETIC COACHES

Leonard Alvyn Watters, B.P.E., Varsity Football Grace Court

James Edwin Bullock, M.A., Varsity Wrestling Park St.

   Varsity Cross Country, Freshman Cross Country, Winter Track Relay,
      Varsity Track, Freshman Track

Robert Bruce Muir School St.
   Varsity Swimming, Freshman Swimming, Freshman Soccer

Clarence Church Chaffee, M.A. 236 Main St.
   Varsity Soccer, Varsity Squash, Freshman Squash, Varsity Tennis, Freshman Tennis

Raymond Coombs, B.A. Meacham St.
   Varsity Baseball, Freshman Football, Freshman Basketball

15
OFFICERS OF INSTRUCTION, COACHES, LIBRARY

Harvey Leroy Potter, B.A.
Freshman Wrestling, Varsity Lacrosse, Freshman Lacrosse
Denison Park

Frank Ellwood Bell, B.S.
Varsity Football, Varsity Hockey, Freshman Hockey
Stetson Rd.

Alex John Shaw, M.A.
Varsity Football, Varsity Basketball, Freshman Baseball
1 Hoxsey St.

Everett Vincent Barbour, Trainer

Kenneth Thomas Rogers, Trainer
Spring St.

James Parker, Coach of Skiing
20 Hoxsey St.

Douglas Boyea, Coach of Fencing
Pittsfield

LIBRARY

Wyllis Eaton Wright, M.A., B.S., Librarian
9 Moorland St.

Ethel Richmond, Reference Librarian
312 Safford St., Bennington, Vt.

Mary Cecelia McInerney, B.S., Head Cataloguer
Forget-Me-Not Inn

Donald Edwin Cary, B.A., B.S., Reserve Room Head
37 Southworth St.

Mary Delores Harrington, B.A., Junior Librarian
Forget-Me-Not Inn

Elizabeth Louise Webb, B.S., Junior Librarian
32 Linden St.

Walter Coleman Allen, B.A., Library Assistant
Alumni House

Mrs. S. Cushing Strout, Jr., B.A., Library Assistant
Grace Court

Mary Alice O'Brien, Secretary to the Librarian
10 Grandview Drive

Mrs. Howard Wetmore, Clerical Assistant
21 Moorland St.

* * * * *

Mary L. Richmond, B.A., Certificate of Librarianship
11 Park St.

Custodian of the Chapin Library

A. Carolyn Northup, B.A., Assistant in the Chapin Library
19 Manning St.
OFFICERS OF ADMINISTRATION

OFFICE OF THE PRESIDENT

President
212 Main St.

Richard Ager Newhall, Ph.D., Litt.D.
Chairman pro tempore of the Faculty
Grace Court

Kathleen A. O'Connell, B.A.
Secretary to the President
83 River St., North Adams

Helen Hays Allen, B.A., Director of the College News Office
21 South St.

OFFICE OF THE DEAN

Robert R. R. Brooks, Ph.D., Dean
Bee Hill Rd.

Robert C. L. Scott, Ph.D., Dean of Freshmen
Park St.

Frederick Cleveland Copeland, Ph.D.
Fort Hoosac Place

Director of Admissions

Kathryn McCraw, Registrar and Editor
116 Church St., North Adams

H. Bruce McClellan, B.A.
Stetson Rd.

Assistant Dean and Assistant Director of Admissions

Henry Needham Flynt, Jr., B.A., Counsellor of Veterans
Williams Hall Annex

OFFICE OF THE TREASURER

Charles Denison Makepeace, B.A., Treasurer
Denison Park

Earle Olmstead Brown, Assistant Treasurer
9 Waterman Place

William Clayton Bryant, Superintendent of Grounds and Buildings
102 Water St.

OFFICE OF HEALTH

Thomas V. Urmy, M.D., Director of Health
68 South St.

H. Collier Wright, M.D., Physician
3 Chapin Court

Norman B. McWilliams, M.D., Surgeon
Northwest Hill Rd.

Edward J. Coughlin, M.D., Consulting Orthopedic Surgeon
Ide Rd.

Everett Vincent Barbour, Trainer

Kenneth Thomas Rogers, Physiotherapist
Spring St.

Carolyn E. Hall, R.N., Chief Nurse
12 Southworth St.

OFFICE OF ATHLETICS

John Clarkson Jay, B.A., Director of Athletics
Fort Hoosac Place
ADMINISTRATION, FACULTY COMMITTEES

OFFICE OF STUDENT AID
Henry Needham Flynt, Jr., B.A. 
Williams Hall Annex
Adviser in Undergraduate Affairs and Executive Secretary
of the Student Aid Committee

LAWRENCE ART MUSEUM
Samson Lane Faison, Jr., M.A., M.F.A., Director 
College Place
Stephen McNicol, Assistant to the Director 
North St.

ALUMNI OFFICE
Alfred Lindsay Jarvis, B.A. 
140 Main St.
Secretary and Assistant Treasurer of the Society of Alumni

PLACEMENT BUREAU
William Ozmun Wyckoff, B.A. 
74 Spring St.
Director of Placement and Editor of Williams College in World War II

FUND OFFICE
Charles B. Hall, B.A., Executive Secretary of the Alumni Fund 
Stetson Rd.
Frank R. Thoms, Jr., B.A., M.B.A., Director 
Stetson Court

CAMPUSS BUSINESS MANAGEMENT
*Frank R. Thoms, Jr., B.A., M.B.A., Resident Manager 
Jesup Hall

FACULTY COMMITTEES FOR 1949-50
Landon G. Rockwell, Secretary of the Faculty

ADMINISTRATIVE COMMITTEES

Discipline: Samuel A. Matthews, Chairman; The Dean, Secretary; Thomas V. Urmy, M.D., Robert J. Allen, John C. Jay, Antonio G. de Lahiguera, Freeman Foote, Robert C. L. Scott, H. Bruce McClellan.

Honor System: Lawrence W. Beals, Chairman; James M. Burns, Jr., H. Bruce McClellan.

Athletics: John C. Jay, Chairman; Landon G. Rockwell, Secretary; Charles R. Keller, Thomas V. Urmy, M.D.

Student Aid: Charles D. Makepeace, Chairman; Henry N. Flynt, Jr., Executive Secretary; William O. Wyckoff, Whitney S. Stoddard, Frederick C. Copeland, David L. Gass, H. Bruce McClellan.


*Second semester, 1949-50.
EDUCATIONAL COMMITTEES

EDUCATIONAL POLICY: The President, Chairman; The Dean, Secretary; Richard A. Newhall, Walter B. Smith, *Orie W. Long, George M. Harper, Jr., Franzo H. Crawford, **Elliott M. Grant, John W. Miller, Donald E. Richmond, Elwyn L. Perry, Samuel A. Matthews, Charles R. Keller, Ralph P. Winch, S. Lane Faison, Jr., James R. Curry, †Winthrop H. Root, Robert J. Allen, Emile Despres, David B. Truman, Frederick C. Copeland, Robert C. L. Scott, S. Cushing Strout, Jr.

ACADEMIC STANDING: The Dean, Chairman; H. Bruce McClellan, Secretary; Elwyn L. Perry, Joseph E. Johnson, Theodore G. Mehlin, Michele A. Vaccariello, Landon G. Rockwell, Robert C. L. Scott, Charles D. Compton, James C. Hunt.

ADMISSIONS: Frederick C. Copeland, Chairman; Elwyn L. Perry, James M. Burns, H. Bruce McClellan.


PRIZES: Franzo H. Crawford, Chairman; Elbert C. Cole, S. Lane Faison, Jr., George G. Connelly.

HONORS DEGREE: Donald E. Richmond, Chairman; Frederick L. Schuman, Howard P. Stabler, Fred H. Stocking.

LIBRARY: Richard A. Newhall, Chairman; Wyllis E. Wright, Executive Secretary; Walter B. Smith, James R. Curry, Roy Lamson, Jr., David B. Truman.

APPOINTMENTS COMMITTEE: Donald E. Richmond, Samuel A. Matthews, Walter B. Smith.

THEATRE COMMITTEE: John Drew O'Neill, Chairman; David C. Bryant, Jr., Secretary; Orie W. Long, S. Lane Faison, Jr., Michele A. Vaccariello (and two townspeople).

LECTURE COMMITTEE: S. Lane Faison, Jr., Chairman; Joseph E. Johnson, Emile Despres, Roy Lamson, Jr., Freeman Foote, (and two representatives of the student body).

*First semester, 1949-50.
**On leave second semester, 1949-50.
†Second semester 1949-50.
WILLIAMS COLLEGE

WILLIAMS COLLEGE is situated in Williamstown, Massachusetts, a village with a population of about 4,600. The town, which lies in the Berkshire Hills, is on the Boston and Maine Railroad and is reached by automobile, from the east over the famous Mohawk Trail, from the west by way of the Taconic Trail, and from New York City and the south through Pittsfield. Frequent bus service is maintained between Williamstown and North Adams, Pittsfield, and Bennington.

HISTORY

WILLIAMS COLLEGE was established as a “free school” in 1791, and as a college in 1793. The initial gift for the establishment of the College was provided for in the will of Colonel Ephraim Williams, one of the earliest settlers in Stockbridge, Massachusetts, and subsequently distinguished both as citizen and soldier in the French and Indian Wars. On the eve of setting out from Albany with his regiment on the expedition against Crown Point in 1755, he bequeathed his residuary estate, comprising lands, bonds, and notes, for the support and maintenance of a free school in a township west of Fort Massachusetts, commonly known as West Township, provided that the name of the settlement be changed to Williamstown. On the following September 8, 1755, he lost his life in the battle of Lake George. Because of the long continued Colonial Wars and the political upheaval incident to the War of Independence, it was not until 1785 that a group of citizens of western Massachusetts applied to the legislature for a charter. The funds which had accumulated under the terms of the will amounted to $9,157. The trustees, finding this sum not sufficient to provide a building, petitioned the legislature “for a grant of a lottery to raise the sum of £1200.” The proceeds of the lottery were supplemented by subscriptions of townspeople. The building now known as West College was completed in 1791, and was opened on October 20 as a free school. In addition to an elementary division, which was entirely free, there was a grammar
school for more advanced students, for which a tuition fee of thirty-five shillings was charged.

The following year the trustees petitioned the legislature for a revision of the charter to provide for an institution of higher learning. The trustees ventured to indulge in "the laudable wish" to see "Massachusetts the Athens of the United States of America, to which young gentlemen from any part of the Union may resort for instruction in all the branches of useful and polite Literature." The petition included a request that the legislature make to the College a grant of land in the easterly part of the Commonwealth, presumably in what is now the State of Maine. Williams College was established by act of the legislature of the Commonwealth, June 22, 1793. The legislature appropriated three hundred pounds annually for a period of four years. Several additional legislative grants, both of land and of monies, were subsequently made between the years of 1796 and 1868, a total of $153,500. The endowment of the College now stands at $14,222,764, of which $257,584 is subject to annuity.

The College grew slowly. From 1793 to 1827 only two new buildings were constructed and from that date until 1881 four more were added. In the last sixty years, however, expanding needs have made necessary an increase in physical properties so that the College now owns about two hundred acres of land, on which there are about sixty buildings. Dormitory accommodation is provided in the eleven dormitories of the College and the fifteen fraternity houses on the campus. Freshmen and sophomores are required to live in college dormitories. Members of the junior and senior classes live either in dormitories or in fraternity houses. Each fraternity has its own dining room, while the Garfield Club, the nonfraternity social organization, has well furnished dining and assembly rooms in Currier Hall.

There are eight buildings devoted to lecture rooms and classrooms: Griffin Hall, Lawrence Hall, Goodrich Hall, Hopkins Hall, Thompson Biological, Chemical, and Physical Laboratories, Clark Hall, and Jesup Hall. Other buildings include: Stetson Hall,
HISTORY OF THE COLLEGE

which houses the College Library as well as the Chapin Library of Rare Books; the Thompson Memorial Chapel where daily chapel services are held; Chapin Hall with an auditorium seating a thousand; and the Adams Memorial Theatre, the campus drama and music center. There is a Health Center well situated on the campus and a modernly equipped Infirmary. As an adjunct to the Lasell Gymnasium there are squash courts and two athletic fields, Weston Field, where intercollegiate contests are held, and Cole Field, which furnishes ample facilities for practice and for intramural sports. There are many tennis courts and also a golf course which the College leases to the Taconic Golf Club, membership in which is available to undergraduates on especially liberal terms.

The type of education offered at Williams, historically viewed, followed closely the pattern common in all the New England colleges, with significant minor variations. Unlike many colleges of the day, Williams never sustained organic relation to any religious denomination. The intent of Colonel Ephraim Williams, constantly respected by the trustees of the College, appears to have been to promote general education in western Massachusetts and in the adjacent territory. On the other hand, emphasis on the teaching of philosophy and religion, the fact that nearly all of the early instructors were clergymen, and the further fact that religious exercises in the College had a paramount place, indicate that the association of church and college was intimate. For more than a century the commencement exercises were held in the local Congregational Church. The foreign missionary movement in America owes its origin in 1806 to a group of Williams undergraduates. The early presidents of the College were all eminent in the church—notably, Edward Dorr Griffin (1821-36) and Mark Hopkins (1836-72). The fame of Mark Hopkins as a teacher of philosophy and religion, and his conspicuous leadership in religion for half a century, gave to the College a distinctive character. At the same time, the teaching of the physical sciences gained early recognition under Professors Chester Dewey (1809-27) and Albert Hopkins (1827-72). Mark Hopkins also had a scientific training,
having first prepared himself for the practice of medicine. The Observatory, one of the first in America for the teaching of astronomy, was completed in 1838. Williams has continued always a liberal arts college, never undertaking technical or professional instruction; but the energetic development of the physical sciences has constantly modified the character of the changing curriculum.

While the College was founded to minister primarily to a relatively restricted geographical area, rapidly changing conditions opened to it a wide sphere of service. From the earliest days, communications with western Connecticut, eastern New York, and the growing metropolitan area around New York City were easier than with eastern Massachusetts and the eastern New England States. The opening of the West, along the line of the Erie Canal and the Western Reserve, together with the settlement of many early graduates of the College in the West, greatly facilitated the accession of students from regions more and more remote from Williamstown, so that by the middle of the last century Williams College was already drawing widely from areas outside of New England. For many years the metropolitan area of New York has provided a larger quota of students than comes from any other region. The number of those enrolled from west of the Allegheny Mountains is constantly increasing. Thus appeared another characteristic of the College as it is today.
ADMISSIONS

GENERAL STATEMENT

The College is operating on a two-semester year program and consequently new students will be admitted only for the term beginning in September. The present enrollment of 1,100 will be decreased somewhat for the coming year but the facilities for new men are so limited that it will be impossible to admit many applicants who in normal times would be considered qualified. Under the present conditions, only a few men who have completed one or two years with a good record at an accredited college, may be considered as transfers.

The Committee on Admissions selects as members of the freshman class at Williams College those young men, among the candidates for admission, who are thought to be best qualified to profit from the educational opportunities offered by the College. Scholastic ability, character, good health, and general promise constitute the chief basis for the selection of freshmen.

SUBJECT REQUIREMENTS

Candidates for admission to the freshman class must complete four years of secondary school work.

Since the Committee on Admissions is more interested in the quality of a student's work and in his general promise than in counting his units in specifically required subjects, the old method of stating entrance requirements has been discarded. It is assumed that all candidates for admission will have studied English for four years and mathematics for at least three years. The study of one foreign language for three or, preferably four years is strongly recommended, but candidates with two years of a foreign language will be considered. In addition, candidates for admission will ordinarily have studied one or more courses in history and one or more courses in science. In arranging a student's college preparatory course of study, a school should consider the boy's interests and aptitudes together with the school's facilities.
PLANS OF ADMISSION

Admission to Williams College is by certificate or by examinations of the New York State Board of Regents. All candidates are required to take the Scholastic Aptitude Test of the College Entrance Examination Board.

Certificate. Students in schools which are on the approved list of the College may be candidates for admission by certificate. Those who wish to be candidates by this method should consult their principals to be sure that the school in question has the certificate privilege. Schools which are not on the accredited list and which desire the certificate privilege should communicate with the Director of Admissions. In some cases, the Committee on Admissions, after studying a student’s record, will require him to take College Board scholastic achievement examinations.

Regents Examinations. No mark lower than 75 in a Regents examination is accepted by the College and candidates whose marks are 80 or higher are more likely to be admitted.

APPLICATIONS

Correspondence on matters of admissions should be addressed to the Director of Admissions, Williams College, Williamstown, Massachusetts.

A preliminary application may be filed at any time up to the end of March preceding the September of entrance, but early application is advised. Final application forms are sent to students and to their schools at the conclusion of three and one-half years of school work. Students who file preliminary application cards at a later date will be sent final application forms at once.

The College feels that a personal interview is of value to both the candidate and the College. Accordingly, each candidate for admission is required to have a personal interview with some member of the Admissions Committee, or with a designated alumnus.

The Committee on Admissions considers only candidates who have completed all the requirements of the admission procedure. (Satis-
ADMISSIONS

fied academic requirements; filed final application forms; taken scholastic aptitude examination; had interview; received recommendation of school principal). It grants provisional admission to successful candidates toward the end of their senior year and at the same time advises unsuccessful candidates of its decision.

Notice of final admission and room assignments are sent to candidates after the work of their final school year has been satisfactorily completed.

Scholastic Aptitude Test

All candidates for admission are requested to take the Scholastic Aptitude Test of the College Entrance Examination Board. This test is now being given five times a year — January, March, May, August, and December. Candidates generally are expected to take this test in March of their senior year, although scholarship candidates should take it in January.

This test will consist of verbal and mathematical sections. No special preparation will be needed, but practice forms will be distributed by the Board. This requirement does not lessen the importance which the Committee on Admissions places on school records, school recommendations, and personal interviews. The ratings received by candidates will be considered, however, by the Committee on Admissions and will also be used in advising freshmen regarding their courses.

Application blanks for the Scholastic Aptitude Test and a bulletin containing general information about this test may be secured from the College Entrance Examination Board, P. O. Box 592, Princeton, N. J. (Candidates from the West should write the College Entrance Examination Board, P. O. Box 2416, Terminal Annex, Los Angeles 54, California). The application blank must be returned to the College Entrance Examination Board together with a fee of six dollars.
SCHOLARSHIPS AND FINANCIAL AID

Prospective freshmen who wish to secure scholarship aid should indicate this desire when applying for admission and should address all inquiries regarding scholarships to the Director of Admissions. Scholarships are awarded on the basis of superior scholastic records, financial need, and general promise. No additional tests are required of scholarship applicants. Scholarships are in most cases for the full tuition and are usually renewed if the student meets the requirements. A statement of general policy in awarding scholarships is to be found on page 31 under "Scholarships." Information regarding the means by which students may earn a portion of their expenses may be obtained from the Chairman of the Student Aid Committee.
GENERAL INFORMATION

REGISTRATION AND ENROLLMENT

Freshmen make a preliminary registration for courses upon acceptance of admission to Williams and a final registration with their faculty advisers at a time during Freshman Week, designated by the Dean of Freshmen. Students in attendance register in advance for the courses which they intend to study during the following term. The Counsellor for Veterans will assist each individual returning serviceman in planning the completion of his course of study.

All students are required to enroll at the beginning of each term on designated days. A penalty for late enrollment will be imposed unless the student is excused by the Dean.

ORDER AND DISCIPLINE

It is the aim of the College to develop in its students a sense of personal responsibility for good order and a large degree of undergraduate self-government. The College and the Undergraduate Council insist on good taste, gentlemanly conduct and conformity with college rules. Rules governing conduct are enforced by the Student Committee on Discipline, the Faculty Committee on Discipline, and the Dean. The Student Committee on Discipline is a committee of the Undergraduate Council consisting of four student representatives appointed by the Undergraduate Council, the President and Secretary of the Junior Advisers, and two members of the Faculty appointed by the President, acting in an advisory capacity. The Faculty Committee on Discipline consists of the Dean, and nine members of the Faculty.

ATTENDANCE AT COLLEGE EXERCISES

Students are expected to attend classes and the Sunday chapel services. The attendance regulations which are distributed to all entering students are based on this policy.
EXPENSES

College charges for one term are: tuition $275.00; room charge from $85.00 to $125.00; scholarship men, room charge from $50.00 to $75.00; light fee $2.50; gym fee $3.50; laboratory fees, from $1.50 to $9.00; extra course fee $50.00; health fee $25.00 per year; athletic fee $30.00 per year; graduation fee $10.00.

Board may be obtained at present for about $13.50 per week. Minimum expenses in Williamstown for the college year are about $1,300; $1,500 represents a more comfortable figure.

The veteran who plans to continue his education will find substantial assistance through Veterans Administration benefits. The Treasurer will collect amounts available from the Veterans Administration for men who present “Certificates of Eligibility” and other necessary credentials. For details consult the Veterans Administration regulations.

PAYMENT OF COLLEGE BILLS

Payment of $50 on the charge for a dormitory room is due from incoming freshmen upon receipt of the room assignment which is usually sent in advance of the opening of the college term. College bills are mailed to parents in advance of each term, and must be paid before students may attend classes. Scholarship awards are credited on college bills.

COLLEGE ROOMS

The College has eleven dormitories, ordinarily accommodating about five hundred and thirty students. During the present heavy enrollment, the dormitories have been rearranged to house seven hundred and fifty. Each room is provided with the essential articles of furniture, such as desk, chairs, table, chiffonier, mattress and bed, but the student is expected to supply his own rugs, pillows, linen, and blankets. The buildings are heated from a central heating plant, are lighted by electricity, and have ample bath and toilet conveniences. The room charge includes heating and at-
GENERAL INFORMATION

tendance, and covers the period of the college term; no occupancy of dormitories will be allowed during vacation. Necessary repairs are made by the College, but all additional work is at the expense of those who occupy the rooms.

Each occupant of a College room is held responsible for all damage done to his room and is expected to observe the dormitory regulations; no attachments to walls of dormitories, to plumbing, heating, and electric wiring without permission of Superintendent.

Students who leave College, as well as those who are to change from one room to another must remove all their own furniture and other property from their rooms immediately after the final examinations. Furniture not thus removed by the owner will be removed by the College which assumes no responsibility for damage to or loss of articles. Room changes are made only after permission has been received from the Director of Admissions.

All articles sent to the College by students during vacations should be shipped prepaid and should be marked with the name of the student and his room number, in care of the Superintendent of Grounds and Buildings.

All students will be required to reside in the college dormitories or, if upperclassmen, in the fraternities unless permitted by the Dean to live off campus for special reasons.

MEALS

Students take their meals in the Garfield Club and in the fraternities. Freshmen eat at Currier Hall until after fraternity rushing.
SCHOLARSHIPS

General Policy

Williams College is able to grant a substantial number of both general and special scholarships. These are awarded on the basis of good scholastic records, financial need, and general promise. A prospective freshman should indicate his desire for scholarship aid when he applies for admission and should address all inquiries regarding scholarships to the Director of Admissions.

Students who are awarded scholarships as freshmen may count on the renewal of these awards subject to the following conditions:

(1) The attainment of a superior scholastic record;
(2) The continued existence of the financial need;
(3) The exercise of strict economy;
(4) The maintenance of a high standard of conduct.

With respect to scholastic record, the Committee on Student Aid has defined the minimum acceptable standard, not the desired level of achievement, which is a superior scholastic record, in the following terms:

(1) a freshman must attain a minimum scholastic average of straight C to be eligible for renewal of scholarship for the full sophomore year. If the student fails to achieve a straight C average for the whole freshman year, but does reach this level the second semester, then he will be eligible for renewal of scholarship for the first semester of the sophomore year.

(2) a sophomore must attain a minimum scholastic average of 8 C's and 2 B's to be eligible for renewal of scholarship for the junior year.

(3) a junior must attain a minimum scholastic average of 6 C's and 4 B's to be eligible for renewal of scholarship for the senior year.

Applications for scholarships are to be renewed at the end of each college year of two terms, but the Committee on Student Aid may review a case at the end of any term.
GENERAL INFORMATION

GENERAL SCHOLARSHIPS


SPECIAL SCHOLARSHIPS

The name following the title of each scholarship is that of the donor, while the names of the students to whom the award has been made for 1949-50 appear after the descriptive material.

JOHN ARMSTRONG SCHOLARSHIP. Fund of $15,000. Bequest of John Armstrong '27. To a member of the senior class on the basis of his record in junior year and his promise of future usefulness. Stefan Franz Blaschke '50, James Walter Brydon '50.

JAMES WILSON BULLOCK SCHOLARSHIP FUND. Mrs. Margaret
GENERAL INFORMATION

McCredie Bullock, in memory of her husband, James Wilson Bullock, 1881. To meet the tuition charge of a student resident of the County of Hamilton, Ohio or from the state of Ohio should there be no student available from Hamilton County. Not awarded.

E. C. CONVERSE SCHOLARSHIP FUND. $50,000. Bequest of Edward Cogswell Converse. "Scholarships . . . awarded to needy and deserving students under the direction and in the discretion of the President. Clyde Creighton Niles '50, Clayton Page Pritchett '50, Howard Bernard Schow '50.

OLIVER POMEROY EMERSON SCHOLARSHIPS. Sum of $5,000 in trust. Oliver Pomeroy Emerson, 1868. To a member of the Garfield Club. Robert Pomeroy Weis '50.

CADWALLADER EVANS, III MEMORIAL SCHOLARSHIP. The parents, classmates and friends of Cadwallader Evans, III, class of 1938, have established a full tuition scholarship in his memory. It is to be awarded at the beginning of Junior year to a student majoring in English or Art; and it may be extended for a second year at the discretion of the awarding committee, which consists of the Dean of the College and the Chairmen of the English and Art Departments. Stephen Gardner Birmingham '50.

THOMAS S. FAGAN SCHOLARSHIPS. Fund of $60,000. Miss Mary Kate Fagan, in memory of her brother, Thomas S. Fagan. For worthy students of limited means who come from Troy, N. Y., or its vicinity. Should there be no such candidates, students from other places are considered. The recipient retains his scholarship as long as he complies with the conditions governing the award of general scholarships. Maurice Daniel O'Connell, Jr. '50, Hugh McClellan Potter, III '53, Rodney Warren Stuart '53.

GARFIELD SCHOLARSHIPS AND MARK HOPKINS SCHOLARS. The Garfield scholarships and the position of Mark Hopkins scholars, established in 1935 to give special recognition to the outstanding scholars of the junior and senior classes. The Garfield scholarships, amounting to not more than $400 a semester, are for men of high standing unable to meet their college expenses without the scholar-
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ships. The Mark Hopkins scholars receive corresponding academic distinction but no financial award. Royston Tuttle Daley ’51.

The Robert H. Griggs Scholarship. The parents of Robert H. Griggs, class of 1942, have established a scholarship in honor of their son who gave his life in the service of his country during World War II. This scholarship is administered by the Committee on Student Aid. Robert Zelwin Aliber ’52, David Francis Decker ’53, Robert Moriarty Feely ’50, James John McKeon ’51.

John D. Hass Scholarships. Gift of $20,000. Mrs. Charles Gilbert Milham (nee Hass). To graduates of the public high school of Pittsfield, Massachusetts, or, failing a candidate from this school, to graduates of any other high school in Berkshire County. George Edward Ditmar, Jr. ’50.

Francis Sessions Hutchins, Class of 1900, Memorial Scholarship. Established by friends of Mr. Francis Sessions Hutchins. “The income only thereof to be used . . . to assist students in continuing and completing their college course and in obtaining a start in business or professions in the early years following their graduation . . . and to be exercised so far as possible in favor of men, situated as Hutchins himself was when in college . . . but giving promise . . . of becoming, as he did, a useful, worthy and lovable citizen.” Robert Scott Taylor ’49, Jonathan Thomas O’Herron ’51.


Alvah K. Lawrie Scholars. Fund of $25,000. Mrs. Frances I. Lawrie, in memory of her late husband, Alvah K. Lawrie. To assist worthy students, selected by the Committee on Student Aid. It is hoped that students receiving aid from this fund will sometime repay the amount advanced, with such interest as shall be arranged, so that it may be used again for the same helpful purpose. Henry Royer Collins ’50.
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Wilhelmus Mynderse Scholarships. Fund of $25,000. Bequest of Mrs. Hanna G. Mynderse. Awarded yearly at the discretion of the Committee on Student Aid in recognition of industry and marked intellectual talents and attainments. David Seymour Fischer '52, William Cording Missimer, Jr. '52.

Edward Lang Perkins Scholarships. Under the terms of the will of Edward Lang Perkins, 1863, two scholarships of $500 each. Awarded to students of limited means, residents of eastern Pennsylvania (east of the Susquehanna River), on the basis of a competitive examination (College Board Examination). Each recipient receives $500 a year during his college course, provided he continues to show traits of leadership and scholarship. Aaron Hanna Katcher '52, Theodore Ressig Lammot '50.

The Leonard Sidney Prince Loan Scholarship. Bequest of Mr. Sidney S. Prince of $25,000 in memory of his son, Leonard Sidney Prince '14. Two scholarships awarded annually by the Committee on Student Aid, upon condition that the recipient of each agree to repay to the College the amount received by him. After the holder of the scholarship has left college, and until the obligation has been repaid, he is required to pay interest upon the principal sum at such rate as the President and Trustees of the College shall determine. Cornelius Thurston Chase, IV '52, John Gardner Golding '50.

John Roach Scholarships. A perpetual trust, the money "to be expended by providing scholarships to be known as 'John Roach Scholarships' in memory of my grandfather." Christopher Brewster Acker '50, Luigi Alessandro Grassi '53, Michael Zidorsky Lazor '53, Herbert Dick Mohring '50.

The James C. Rogerson Scholarship Fund. Fund of $25,000. Bequest of Mrs. Elizabeth A. Rogerson to establish in memory of her late husband, James Charles Rogerson, 1892, a scholarship to assist needy undergraduates to obtain a college education. Richardson Fowle '50, Starr M. King '50, Daniel E. Pugh '50.
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THE CHARLES SPRAGUE SEFTON FUND. A permanent fund of $15,000, the income of which is to assist worthy students to meet their expenses for college tuition. Established by Mrs. Mary B. Brandegee (Mrs. Edward D.), Faulkner Farm, Brookline, Massachusetts, in memory of her grandson, Charles Sprague Sefton, a member of the class of 1944, who died in the service of his country May 28, 1945. Roy Arthur Axford '51.

FRANCIS LYNDE STETSON SCHOLARSHIPS. Fund of $100,000. Under the terms of the will of Francis Lynde Stetson, 1867, eight scholarships of annual value of $600 are awarded to applicants from northern New York State in the following order: (1) Plattsburg, (2) Champlain, (3) Chazy, (4) Ausable, (5) Essex in Essex County. To be considered, applications must be in the hands of the chairman of the Committee on Student Aid on or before March 15. Oakley Melrose Frost '53, Paul Hamsher Hartman, Jr. '50, Wesley Joseph Pelkey '53.

JACOB C. STONE SCHOLARSHIP FUND. Jacob C. Stone '14. An annual award to a student considered worthy by the Committee on Student Aid. Hannibal Hamlin Madden, Jr. '52.

THE STEPHEN H. TYNG AND STEPHEN H. TYNG, JR., FOUNDATION SCHOLARSHIPS. By her will, Mrs. Juliet Augusta Tyng has established in memory of her husband and son a fund, the income of which shall be paid or applied to the extent necessary to assist needy students of Williams College to defray the expenses of their education and to help them as postgraduate students at any recognized university. This additional aid may be granted for three years after graduation from Williams.

All freshman grants are made on a four-year basis subject to continuance of appropriately high scholastic standing, to satisfactory conduct, and need. The amount of these awards is not fixed, may even cover total college expenses, depending of course on the degree of need, as demonstrated to the Tyng Foundation Committee. A booklet describing these scholarships may be ob-
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Alexander White, Jr., Scholarships. By codicil, dated June 27, 1935, to the will of Miss Elsie K. White a bequest was made to Williams College of $25,000 "for scholarship purposes in memory of my brother, said gift to be known as the 'Alexander White, Jr. Scholarship,' the next income thereof to be used in such manner as said College shall determine from time to time for the financial assistance of needy and deserving students who are pursuing courses of instruction at said College." William James Craven '51, Donald Eugene Sanford, Jr. '51.

Scholarships Given by Williams Alumni Groups

Class of 1901 Scholarship in Memory of John Clarkson Jay. In memory of John Clarkson Jay '01, $7,070 has been given to date by friends and classmates to establish a fund, the income from which is used to assist worthy students. James Bolton Davis '50.

Class of 1910 Scholarship Fund. Fund of approximately $15,000. Scholarship awards to cover tuition, preferably for sons of members of the class, if there are such, who conform to the scholarship requirements. Robert Leeds Cocks '53, Gordon Whitehead Gildard '50.
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Class of 1913 Scholarship Fund. A fund of more than $26,000. To provide scholarship aid to worthy men, preferably to sons of members of the Class of 1913 who need assistance and who meet the usual scholarship requirements. William Wolfgang Klein­handler '50, Osgood Endecott Perry '53, Theodore Baker Warner '52.

Class of 1914 Fund. A fund in excess of $30,000. A portion of the income of this fund is used to meet the current tuition charge of a qualified scholarship man, preference given to a son or a direct descendant of a member of the class, but if there is no such candidate, to another duly qualified student. The use of the balance of the income of this fund is left to the discretion of President Baxter. Joseph Edward Worthington, III '53.

Class of 1915 Scholarship Fund. Fund of $17,000 used in any manner deemed in the best interests of the College with the wish expressed, however, that the income be directed in so far as practicable to scholarships for the sons of members of the Class. Ernest Karl Lehman '51, Timothy Charles Nelson Mann '51, Donald John Merwin '50, Robert Lindsay Thompson '53.

Gargoyle Alumni Scholarship. A tuition scholarship donated yearly by the Gargoyle Society to a member of the society, or to a worthy student if no member is in need of assistance. Not awarded.
PRIZES

The names following the titles of prizes are those of the donors while the names at the end of the descriptive material are those to whom awards have been made in 1949-50.

ATHLETIC PRIZES

**Alumni Lacrosse Award.** Walter B. Potts '36, C. Lansing Hays, Jr. '36, William A. Cohendet '36, William R. Bennett, Jr. '37. A gold lacrosse stick to that senior on the varsity lacrosse team who has contributed the most to lacrosse at Williams by his interest, team play, ability, and sportsmanship, selected on the basis of the votes of the varsity lacrosse coach and manager and a vote determined by the consensus of the varsity squad taken by the manager in secret ballot. Austin Brockenbrough Taliaferro '49.

**Francis E. Bowker, Jr., Swimming Prize.** A cup given by the late Francis E. Bowker, Jr. '08, on which is engraved year by year the name of the winner of a meet open to all students who are not members of the College swimming team. Owen Mayo Sutton, Jr. '52.

**Belvidere Brooks Memorial Medal.** Purchased from a fund established by alumni of the College, friends of Captain Belvidere Brooks '10, who was killed in action at Villesavoye, France, August 21, 1918. This medal is presented at the close of the football season, by the President of the College, to that member of the team whose playing during the season has been of the greatest credit to the College; but no person shall receive the medal more than once. Selected by a committee made up of the chairman of the Committee on Athletics, the head coach, and the manager of the team. Peter De Lisser. '50.

**Canby Athletic Scholarship Prize.** A prize of $50, established by W. Marriott Canby, 1891, and awarded at Commencement to that member of the senior class who has attained the highest aver-
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age standing in scholarship during his course. Holder must have been in College since the beginning of his junior year, and must have represented the College in a recognized intercollegiate athletic contest. James Champlin Waugh '49.

INTRAMURAL ATHLETICS PRIZES. Herbert H. Lehman, 1899. Small cups awarded annually to the social organizations winning championships in the several sports and a large cup to the organization that is most successful in all the contests of the year. Delta Kappa Epsilon.

LEHMAN CUP FUND. Herbert H. Lehman, 1899. Cups awarded as prizes at the intramural indoor track meet conducted each winter. First, William Raymond Barney, Jr. '49; second, Clyde Everett Maxwell, III '51; third, Jack Allan Brody '52; fourth, Eric Peter Smith '52; fifth, Richard Francis Walters '52.

LEONARD S. PRINCE MEMORIAL SWIMMING PRIZE. In memory of Leonard Sidney Prince '14, donated by his father, S. S. Prince. Presented to the member or members of the freshman class who are successful in a swimming and diving meet open to all freshmen and held prior to the selection of the College swimming team. Owen Mayo Sutton, Jr. '52.

PAUL B. RICHARDSON SWIMMING TROPHY. A permanent trophy of bronze presented by Mr. Paul B. Richardson of Belmont, on which is recorded each year the name of the swimmer or diver winning the greatest number of points in dual collegiate meets during the swimming season. Robert Hogsett Reid '50.

ROCKWOOD TENNIS CUP PRIZE. In memory of Lieutenant Richard Burton Rockwood '16, who was killed in action in France, his mother, Mrs. R. L. Rockwood, has given a fund to provide a cup to be awarded annually to the winner of the singles in the fall tennis tournament. Richard Curtis Squires '53.

SQUASH RACQUETS PRIZES. A silver cup presented by the donors of the squash racquets building, Clark Williams, 1892, John P. Pert

William G. Lord, 1895, and the Connecticut Grange of the Progressive Order of Equitable Reform, 1895.
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Wilson, 1900, and Quincy Bent, 1901, as a permanent trophy to be competed for in an annual elimination tournament for students. The names of the winner and the runner-up are added to the trophy each year. The former receives a miniature silver replica of the cup and the latter, a silver tray. Winner, Jeremy Tyler Dresser ’50; runner-up, George Wright, II ’49.

Young-Jay Hockey Trophy. George G. Young ’38 and John C. Jay, Jr. ’38. A silver cup awarded annually to that member of the Williams varsity hockey team with “loyalty and devotion to the interests of Williams hockey; courage, self-control, and modesty; perseverance under discouraging circumstances; and a sense of fair play towards his teammates and his opponents.” Committee on selection consists of the Director of Health, the Director of Athletics, the head coach, and the manager of the team. Donald King Ratcliffe ’50.

ESSAY PRIZES

Henry Rutgers Conger Memorial Literary Prize. Fund established by members of the Class of 1899 for a prize which is awarded annually in memory of their classmate, Henry Rutgers Conger, for the best contribution of prose or poetry submitted to a literary magazine published by the undergraduates of the College, as judged by a committee from the Department of English. Joseph Eaton Dewey ’51.

Lathers Prize and Medal. From a fund given by Richard Lathers, a cash prize of about $50 and also a bronze medal, offered in competition to members of the senior class for an essay of not less than one thousand words on a subject concerning the duty or relation of citizens to the government, exact title to be announced. Essay must be handed to Secretary of the Faculty before a designated date. The winning essay is selected by a committee of the faculty and is sent to the Springfield Republican and a Pittsfield journal for publication. Not awarded.

Leverett Mears Prize in Chemistry. An annual gift from a
member of the Class of 1906 of two prizes of $25 and $15, respectively, for papers written on topics related to the general subject of the applications of chemistry to medicine. Competition is open to members of the sophomore, junior, and senior classes. The subject for each year as well as the date on which the paper must be submitted are announced by the Department of Chemistry. The committee of award consists of a member of the Department of Chemistry and two other persons chosen by the secretary of the Class of 1906. First prize, Harry Cowpland McDaniel ’49; second prize, Peter Ormond Johnstone ’51.

Sentinels of the Republic Prize. Income from a gift of the Sentinels of the Republic, an organization established in 1922 in Boston, to oppose excessive centralization. A substantial prize is offered for the best essay on a subject, to be selected, relating to the American Federal System of Government. Not awarded.

William Bradford Turner Prize in History. From the income of a fund given by the family of William Bradford Turner ’14, who was killed in action in France in September, 1918, a prize of $75. Awarded for the best thesis or essay in the field of American history or institutions presented at graduation by a student completing either the history, the political science or the American history and literature major. The essay must be in by June 1. Hubert R. Hudson ’49.

David A. Wells Prize. From a bequest of David A. Wells, 1847, a prize of $500 may be awarded for an essay upon a subject in any one of a number of branches of political economy. Competition is limited to seniors and to graduates of not more than three years’ standing. A successful essay is printed and circulated by the College out of the residual income of the fund. Further information relating to the competition for this prize may be obtained from the Chairman of the Department of Economics or at the Office of the Treasurer. Not awarded.
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GENERAL PRIZES

Grosvenor Memorial Cup. Given by the members of the Inter-fraternity Council of 1931 in memory of their fellow member, Allan Livingston Grosvenor. Awarded each year to that member of the junior class who best exemplifies the traditions of Williams, and held by him for a period of one year. The committee of award consists of the chairman and secretary of the Undergraduate Council together with three other members selected by the Council. David Melville Pynchon '50.

James C. Rogerson Cup and Medal. Presented by Mrs. James C. Rogerson and the Class of 1892 in memory of Mr. Rogerson, a member of that class. The cup, a permanent possession of the College, is awarded each year, for one year, by the President of the College at such time as may be determined, to an alumnus or member of the senior class who is of outstanding merit, for service and loyalty to the College and for distinction in any field of endeavor; and a bronze medal is given to the person for permanent possession. Alfred E. Driscoll '25.

Scholarship Trophy. Awarded annually by the Faculty Club of Williams College to the social group of highest scholastic rank. The trophy becomes the permanent possession of the social group which first wins it three times. Garfield Club.

William Bradford Turner Citizenship Prize. From a fund established in memory of William Bradford Turner '14, who was killed in action in France in September, 1918, a prize of $80, with a bronze medal, is awarded to that member of the graduating class who, in the judgment of the Faculty and of the graduating class, has best fulfilled during his course his obligations to the College, his fellow students, and himself. Edwin Post Maynard, III '49.

RHETORICAL PRIZES

Dewey Prize. A prize of $50, founded by Francis Henshaw Dewey, 1840, and awarded to the member of the graduating class
who presents the most creditable oration in point of composition and delivery at the Commencement exercises. Wallace Barnes '49.

**Graves Prize for Delivery of Essay.** To the Graves essay prize winner who delivers his essay in the most effective manner, a prize of $80 is awarded. Like the Graves essay prizes, established by Arthur B. Graves, 1858. Not awarded.

**Rhetorical Prizes.** On Friday preceding Commencement five speakers appointed from the junior and senior classes deliver original speeches in competition. First and second prizes are awarded, the income for which comes in part from a fund given by Elizur Smith of Lee. *First prize,* Edgar Jacob Graef, Jr. '49; *second prize,* Charles Rosario Alberti, Jr. '50.

The Trustees of the College offer first and second prizes of $20 and $10 respectively, to members of the freshman class for excellence in intercollegiate debating. *First prize,* Arnold Noel Levin '52; *second prize,* David Seymour Fischer '52.

**Van Vechten Prize.** A prize of $30, established by A. V. W. Van Vechten, 1847, awarded for extemporaneous speaking. The assignment of this prize is made by a committee of the Faculty on the basis of a public competition. *First prize,* Francis John McCon nell '50; *second prize,* Edward Gerard Stack '51.

**PRIZES IN SPECIAL STUDIES**

**John Sabin Adriance Prize in Chemistry.** From a fund given by John Sabin Adriance, 1882, a prize is given to that person who, in the opinion of the instructors in the Department of Chemistry, has maintained during his course the highest rank in all the courses offered in that department. Harry Cowpland McDaniel '49.

**Benedict Prizes.** Erastus C. Benedict, 1821, once an instructor in the College, gave to the College a sum of money, the income of which is awarded in prizes for excellence in certain subjects. James Benno Greene, Jr. '49, Thomas Allen Edwards '50, (two prizes divided equally) in French; *first prize,* Allan James McIntyre, Jr.
second prize, Benjamin Nichols Taylor '50 in German; Hubert R. Hudson '49 in History; first prize, Malcolm John Paul Frazier '51; second prize, John Lothrop Brown, IV '51, Peter Vandervoort '51, (one prize divided equally), in Mathematics.

Garrett Wright De Vries Memorial Prize. From a fund in memory of Garrett Wright De Vries '32, given by his father, Dr. Joseph C. De Vries, a prize of $10 is awarded annually on recommendation of the Department of Romanic Languages for excellence in Spanish. Eusebio Serge Delfin '49.

Sherwood O. Dickerman Memorial Prize. In memory of Sherwood O. Dickerman, Professor of Greek in Williams College, friends of Williams College and of the Classics donate annually a prize to that member of the sophomore class who has distinguished himself in his Greek or Latin studies. Not awarded.

Dwight Botanical Prize. A fund founded by the bequest of Nellie A. Dwight to establish a prize in memory of her father, Henry A. Dwight, 1829. Awarded annually to the student who maintains the highest standing in botany during the year. Not awarded.

Rowland Evans Prize in Freshman English. In memory of Lieutenant Rowland Hill Evans, AAF, killed over Germany on February 22, 1944, who was an instructor in English at Williams College from 1940 to 1942, a group of his friends has established for a certain period of years a book prize to be awarded to the ranking student in English 1-2. Since Lieutenant Evans showed special interest in freshman English while teaching at Williams, the recipient of this prize is chosen by those members of the English department who give instruction in this course. Graham Powley Jarvis '51.

Arthur C. Kaufmann Prize in English. In memory of Arthur C. Kaufmann, 1899, a fund has been established by his fellow workers, from which is purchased a book prize awarded annually, on the recommendation of the English Department, for excellence in English. James Champlin Waugh '49.
RICE PRIZES. The income of $5,000, left to the College by James Lathrop Rice, is by his will appropriated to the encouragement of Latin and Greek scholarship. One half of this income may be awarded to that member of the senior or junior class who has distinguished himself most conspicuously in Latin studies; the other half may be applied for distinguished work in Greek. Oren Taft Pollock '49 in Greek; Harry Livingstone Sutton '50 in Greek.

EDWARD GOULD SHUMWAY PRIZE IN ENGLISH. In memory of Edward Gould Shumway, 1871, a fund has been established by his daughter, Mary Shumway Adams, from which a prize is awarded annually to that member of the senior class in the English major, who has, in the judgment of the English Department, done the most distinguished work in English literature and composition. William Hughlett Adkins, II '49.

KARL E. WESTON PRIZE FOR DISTINCTION IN ART. In appreciation of great service to Williams College as teacher and as Director of the Lawrence Art Museum, a book prize is awarded each year at Commencement to a senior majoring in Art whose work has shown so unusual a degree of brilliance, imagination, and industry as to be worthy of the man for whom the prize is named. Not awarded.

SCHOLARSHIPS AND PRIZES FOR GRADUATE STUDY

HORACE F. CLARK PRIZE SCHOLARSHIPS. Two scholarships in honor of Horace F. Clark, 1833, established under the provisions of the will of Madame Marie Louise Souberbeille, his daughter.

These scholarships of not more than $500, which in exceptional cases may be combined in a single prize or may be continued to the same holder for more than one year, are awarded annually to such member or members of the senior class as may be chosen by the Faculty on the basis of superior scholarship, general ability, and interest in scholarly research. Competitive examinations on designated subjects connected with the regular studies of the course and supplementary thereto may be required to test the ability of the

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CONANT-HARRINGTON PRIZE IN BIOLOGY. This prize, founded by the Class of 1893 in memory of two of their classmates, is awarded upon the recommendation of the chairman of the Department of Biology, to that senior who, in his judgment, is best fitted to profit by advanced biological study. The money thus awarded is used to pay his tuition fee at the Marine Biological Laboratory, Woods Hole, Massachusetts. Not awarded.

THE HUBBARD HUTCHINSON MEMORIAL SCHOLARSHIP. In memory of F. Hubbard Hutchinson '17, a bequest of his mother, Mrs. Eva W. Hutchinson of Columbus, Ohio, establishes a permanent fund, the income from which may be awarded to a member of the graduating class at Williams sufficiently talented in creative work in music, writing, or painting. The purpose of the award is to assist him in continuing the work in his special field of interest for a period of two years following his graduation. The award will be made by a committee consisting of the head of the Department of Art, a member of the Department of English teaching contemporary fiction, and the member of the faculty in charge of college musical activities. Stanley L. Whetstone, Jr. '49.

THE CHARLES BRIDGEN LANSING SCHOLARSHIP IN LATIN AND GREEK. Mrs. Abby L. S. Seldon bequeathed to the College the sum of $20,000 to establish a scholarship in memory of her father, Charles Bridgen Lansing. By vote of the Trustees the disposition of the income of this fund is arranged from year to year by the President in conjunction with the Classical Department, to provide either graduate or undergraduate scholarships. Robert Northrup Bischoff '52, Richard Paul Duval '52.

JOHN EDMUND MOODY SCHOLARSHIP. By a gift of $40,000 Mr. and Mrs. John Moody and Ernest Addison Moody have established a fund, the income of which enables a graduate of Williams College to pursue his studies at Oxford University for the two years follow-
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ing his graduation. This scholarship is awarded usually for a twoyear period, but the award may be omitted for a year because of the declining interest rate. The recipient is chosen by a special committee of the Faculty from those who have majored in Greek, Latin, English, history, political science, philosophy, religion or economics. The basis of award is general intellectual ability as shown in the major field of study, with special reference to promise of original and creative work, character, and need of assistance. Alvin Bernard Kernan '49.

The Carroll A. Wilson Scholarship Fund in Memory of John E. Wilson, 1944. This is a permanent fund, the income only to be devoted to a scholarship to members of the senior class for attendance after graduation at the University of Oxford, Oxford, England, to be chosen after the manner of Rhodes Scholarships with special attention to leadership, scholastic attainment and physical vigor; chosen by a committee of our faculty. The above scholarship shall be known as "The Carroll A. Wilson Scholarship Fund in Memory of John E. Wilson, 1944" — a son killed in World War II in crossing the Rhine, March 28, 1945. Not awarded.
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LOANS

The College recognizes that there are some men to whom it wishes to extend financial aid, but who are not eligible for scholarships. A loan policy provides for this, but loans are not available for freshmen the first semester, and are available in the second semester only under extraordinary circumstances. A limited amount of money is available, however, for loans to students in the three upper classes. These are made on the basis of demonstrated financial need, good campus citizenship, and general promise.

OPPORTUNITIES FOR EMPLOYMENT

It is possible for ambitious and needy students to find employment during the college year to defray a portion of their expenses. It is unwise for a student to expect to earn the major part of his college expenses, especially if he is a freshman, handicapped by lack of experience and by the need to adjust himself to a new environment. There are numerous ways in which students can earn money at Williams: for example, Science laboratories, the Library, student-operated concessions, and waiting on table.

The Office of Student Aid, located in Hopkins Hall, supervises all student employment.

PLACEMENT BUREAU

The Placement Bureau was established to render service to all Williams men who register with the Bureau. Undergraduates of all classes are urged to utilize the vocational guidance facilities of the Bureau at any time. Seniors and alumni registrants are given every possible assistance in finding satisfactory employment.

A series of vocational guidance talks is held during the year in which successful alumni speak informally on the subject of their own vocations, with a question period immediately following each talk. Further guidance is given through the dissemination of career books, pamphlets and monographs covering many vocations and occupations, and when requested, through the use of preference tests.
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From time to time, especially during the spring term, employment officers of large corporations arrange through the Placement Bureau to come to the Williams campus to interview seniors with regard to prospective positions with their organizations.

LIBRARIES

Library facilities at Williams College, representing the accumulated acquisitions of a century and a half, now include a basic collection of over 200,000 volumes and 100,000 unbound United States public documents. These are housed for the most part in Stetson Hall, a fireproof, modern library, erected in 1922 as a memorial to Francis Lynde Stetson, of the Class of 1867. This building contains, in addition to the usual delivery hall, reference room, and stacks, a large reserve book room, several seminar rooms, the Hamilton Wright Mabie Memorial Room, and nineteen offices for members of the faculty. A part of the building is occupied by the Chapin Library of Rare Books. The book stack consists of nine tiers, of modern steel construction, with a capacity of 200,000 volumes.

For the convenience of the departments concerned, the following special collections of books are housed in other buildings: biology, chemistry, physics, geology, and mathematics. The Florence Carpenter Brown gift of 960 contemporary plays is housed in the Adams Memorial Theatre. These departmental collections are under the supervision of the College Librarian, and are maintained as reference collections for use in their respective buildings. Their contents, however, are listed in the central card catalog, as are the holdings of the Chapin Library.

Additions to the library’s resources are made at the rate of approximately 4,000 volumes a year, not including some 7,000 public documents which the library receives as a government depository. Endowment funds, amounting in principal to about $387,500, have been established for the library. The income from this endowment, together with gifts and special appropriations, provides over $18,000 a year for the purchase of books and periodi-
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cals. The library receives 588 current journals regularly, representing the standard serial publications in the social and physical sciences, the arts, and belles lettres.

All freshmen receive instruction in the fundamental procedures of using the library in an orientation program during Freshman Week. In keeping with the vitalized curriculum, which places increased emphasis upon individual investigation of printed materials, the library is administered liberally, with a minimum of rules.

An excellent collection of over 6,000 phonograph records is available for circulation. The first unit of this collection was the gift of Mr. Paul Whitman. The second part, together with an electric phonograph and an assortment of scores and books on music, comprises the "College Music Set" which was the gift of the Carnegie Corporation of New York. New records are purchased regularly to add to the original collection. In addition Mr. Whitman has given to the College original scores and parts of music written for his orchestra which will form the basis of a further and larger collection of modern American music.

A special collection to lend textbooks to students in need of financial assistance, established by the Class of 1914 in memory of the members of the class who died in World War I, is administered by the College Library.

Library hours, while the College is in session, are weekdays from 8 a.m. to 12 m., 1 to 6 p.m. and 7.30 to 10 p.m. except on Saturday evenings, when the library is closed. On Sundays the hours are from 2.30 to 6 p.m., and from 7.30 to 10 p.m. During vacations the library is open weekdays only, from 9 a.m. to 12 m., and from 1 to 4 p.m., except on Saturday, when it is closed in the afternoon.

THE CHAPIN LIBRARY

The Chapin Library of Rare Books, the gift of the late Alfred Clark Chapin, of the Class of 1869, occupies the second and third floors of the south wing of Stetson Hall, and contains some 12,200 volumes. The main divisions of the library are Incunabula, Ameri-
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cana, and English literature; but French, German, Italian, and Spanish literature is also represented. In addition, the library contains a number of manuscripts of fine workmanship, broadsides, monographs on birds and books on various subjects illustrated with plates in brilliant color, and original works on science. Exhibits, varying from time to time, provide illustrative material for college courses and furnish the opportunity for viewing rare books and manuscripts of unusual beauty and interest.

No books may be withdrawn, but the library is open for reference and research on all weekdays during the college year, from 9 a.m. to 12 m. and from 2 to 4 p.m. except on Saturday, when the library is open only in the morning. Other hours may be arranged by special appointment.

THE ROPER PUBLIC OPINION COLLECTION

The Roper Public Opinion Collection, the gift of Mr. Elmo Roper, consists of the raw materials from a series of public opinion surveys conducted by Mr. Roper, largely for Fortune magazine. The interview forms and tabulating cards presently in the Collection contain the data from studies carried on in the years from 1938 through 1946, based on more than 350,000 interviews. This Collection, rare among institutions of higher learning and unique among small colleges, is growing at the rate of some 50,000 interviews per year through periodic gifts by Mr. Roper. Housed in the basement of Stetson Hall together with the machines necessary for analyzing the materials, the Collection is used for laboratory work by students in the public opinion course and is available to members of the faculty and advanced students in the social studies for research purposes.

THE WHITEMAN COLLECTION

The Whiteman Collection, the gift of Mr. Paul Whiteman, housed in the Adams Memorial Theatre, consists of original manuscript scores and parts of music written and arranged for Paul Whiteman's orchestra. When completed, it will illustrate im-
portant features of modern American music from Mr. Whiteman's earliest phonograph recordings, through the jazz-concert period of *Rhapsody in Blue* down to contemporary examples of composition and orchestration for radio and motion pictures.

**THE SCIENTIFIC LABORATORIES**

The Departments of Biology, Chemistry, and Physics are located in the three buildings presented to the College by Frederick Ferris Thompson, of the Class of 1856. The Department of Geology is in Edward Clark Hall. Each laboratory has a departmental library, which contains the more important American and foreign scientific journals, totaling some 6,500 books and 7,500 bound journals. There are lecture and class rooms equipped for demonstrated lectures and a number of small rooms where the staff, graduate students, and honors students may pursue research on special problems. Each laboratory has, in addition, projection apparatus for both slides and motion pictures and photographic dark rooms for developing and printing. The general work of the laboratory sciences is further aided by a new and well-equipped Science Shop.

The Biological Laboratory includes facilities for the teaching of ecology, botany, bacteriology, genetics, comparative anatomy, histology, embryology, and physiology. The Samuel Fessenden Clarke Plant House is of great value in both teaching and research in the field of botany. Special rooms under controlled temperatures provide accommodation for the usual laboratory animals. Synoptic collections for use in teaching are displayed in an attractive museum room. Microscopes, microtomes, photomicrographic equipment, and microdissection apparatus are included in the list of available equipment. Charts, models, lantern slides and motion picture films form important adjuncts.

The Chemical Laboratory was enlarged in 1941 by an addition which almost doubled the available laboratory space. The building, with the addition, contains several large lecture rooms, a number of conference rooms, and offices. Large, well-lighted and
VENTILATED LABORATORIES are available for inorganic, analytical, organic and physical chemistry. There are small laboratories designed for special work, including rooms for research, honors work, water analysis, semimicro quantitative organic analysis, photography and optical work. There are also balance rooms, a central stock room with custodian's office, and a departmental library. The building is adequately equipped with apparatus and services to carry on research as well as routine and special work.

The Geological Laboratory contains a carefully selected collection of rocks, minerals, and fossils arranged both in public displays and in student study collections. Laboratory equipment is available for work in mineralogy, petrology, structural geology, seismology, paleontology, and geological surveying.

The Wilder Cabinet forms the central unit of the group of minerals, which includes the R. Clifford Black collection of precious and semiprecious stones and an attractive display of fluorescent minerals in a special dark room. The local geology is represented by a collection of specimens and by two large topographic and geologic relief maps.

A stratigraphical and biological arrangement of invertebrate fossils is partially complete. Several evolutionary series are shown and others are in preparation. Restorations of prehistoric animals are exhibited, and a collection of skulls of modern vertebrates permits comparisons with fossil vertebrates. Synoptic collections of artifacts of the Stone, Bronze, and Iron Ages, together with skulls and skeletons, illustrate the evolution of man.

The Julius Palmer Memorial seismograph with recording apparatus for local and distant earthquakes is on display in special rooms in the subbasement of Clark Hall.

The Physical Laboratory provides separate special laboratories for atomic physics, optics, electricity and magnetism, radio and vacuum tubes. Apparatus is available for studying the elementary properties of electrons, resonance potentials, photoelectricity, and simple line spectra, while the optical equipment permits the study of lens properties, the general phenomena of diffraction, interference
and polarization and a variety of photographic work. Measurements in electricity and magnetism are facilitated by an extensive collection of meters, bridges and standard resistances suitable for both alternating and direct current. The high frequency laboratory has a wide variety of electronic devices, and radio sending and receiving apparatus.

The Science Shop provides extensive shop facilities to meet the demand for special apparatus which advanced work in science creates. The metal-working equipment includes lathes, power drills, a six-foot planer, a heavy milling machine and an unusually complete array of spiral reamers, drills, and thread-cutting tools, while for wood-working there is a power saw, a thickness planer, a router-shaper, a lathe, a joiner and a jig-saw. There are blow torches for glass and quartz blowing, and for welding, tempering, and brazing. A carpenter and an expert mechanician are on duty, ready to give advice and assistance in the use and operation of any of the machines.

THE HOPKINS OBSERVATORY

The Observatory was built by Professor Albert Hopkins in 1836-38 and contains an equatorial by Phelps of Troy, N. Y., with an object glass by Alvan Clark, Senior, which has an aperture of seven inches. This instrument was constructed about 1852. The meridian room of the Hopkins Observatory contains a fine portable transit which can be used as a zenith telescope, together with two clocks and a chronograph. Another room contains the meteorological apparatus. Meteorological observations have been made regularly since 1811. The Astronomical Museum is located in the rotunda of the observatory.

In addition, the Department of Astronomy is provided with a large number of portable instruments, including two small telescopes, three surveyors’ transits, a Wanschaff universal with seven-inch limb, several sextants, prismatic circles, and three chronometers. The illustrative material for the courses and the classroom are located on the third floor of Hopkins Hall.
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AIR RESERVE OFFICERS TRAINING CORPS

With the October, 1947 term a new department of instruction was added to the College. The Department of Air Science and Tactics conducts courses of instruction under the Department of the Air Force Reserve Officers Training Corps for the purpose of training selected students as reserve officers in the Air Force Reserves. Students who successfully complete the courses are commissioned as Second Lieutenants in the Air Force Reserve upon graduation from College.

The Department of the Air Force prescribes the training, details regular Air Force officers and non-commissioned officers to the College to act as instructors, and loans all equipment for use in Air ROTC instruction. Students incur no expense in connection with the Air ROTC program.

Officer-type uniforms are issued to all students on a loan basis and are to be worn only during the drill period — approximately once a week. A deposit of $15 is required of each student at the time of enrollment. The deposit is refunded upon the return of all the items of issue in good condition.

Officer-type uniforms issued to students include overcoats, raincoats, blouses, trousers, shirts, caps, neckties, gloves, socks, shoes, and necessary insignia thereto.

Students undergoing instruction are members of the Air ROTC and are in no way members of the Military Forces. They are civilians and as such are not under the same military laws and regulations that govern the conduct of members of the Regular Services.

Williams gives full academic credit for the four year Air Science courses. The first two years comprise the Basic Course. The First Year Basic Course is normally a Freshman course and the Second Year Basic Course is normally a Sophomore course. The First Year Basic Course provides training in military subjects common to the Army and Air Force. The Second Year Basic Course deals entirely with Air Force subjects. The Basic Course, or its equivalent, is a prerequisite to the specialized training of the Advanced Course. It consists of a weekly minimum of two hours of classroom work and
one hour of field work. Enrollees in the Basic Course must be over fourteen years of age and not older than twenty-two years of age. They must submit to a physical examination, take a screening test, and be acceptable to the professor of Air Science and Tactics and to the President of the College.

The last two years comprise the Advanced Course during which time students are given specialized training in subjects peculiar to the mission of the Air Force. The First Year Advanced Course is normally a Junior course while the Second Year Advanced Course is normally a Senior course, each with a minimum of four hours of class work and one hour of field work for each week of the two academic years. Students wishing to enroll in the Advanced Course must be under twenty-six years of age. It is necessary to submit to a physical examination, take a screening test, and be acceptable to the professor of Air Science and Tactics and to the President of the College to determine eligibility to pursue the course.

Prior to enrollment in the advanced course students must execute a contract with the Government, agreeing to: (1) pursue the advanced course to completion; (2) accept a reserve commission when tendered; and (3) attend one summer camp of six to eight weeks duration normally between the First Year Advanced Course and the Second Year Advanced Course.

Students enrolled in the Advanced course are paid at the rate of approximately $27 a month and at the rate of $75 a month plus travel, food, quarters, uniforms, medical care, etc. while attending the summer camp. These allowances are in addition to any benefits from the G. I. Bill of Rights.

Armed Forces Veterans who have served one or more years in the Army, Navy, Marine Corps or Coast Guard automatically receive credit for the entire Basic Course and are only required to take the Advanced Course to complete the Air ROTC requirements. Such veterans must wait until their Junior year before enrolling for the Advanced Course. Veterans of more than six months and less than one year previous military training automatically receive credit for the First Year Basic Course and will start their Air ROTC
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training in the Freshman or Sophomore years. Students who have received credit for three years of Junior ROTC (secondary school level), and have had this credit approved by the Air ROTC department at Williams College, may also start their training with the Second Year Basic Course in the Freshman or Sophomore years.

Completion of the Advanced Course, once the student signs the contract, is a prerequisite for graduation unless he should be discharged from the program for sufficient reasons.

THE SELECTIVE SERVICE ACT OF 1948
AS IT AFFECTS STUDENTS TAKING ROTC TRAINING

Non-Veteran students enrolled in the Air ROTC are deferred from Military Service until after they have completed their College education, providing, they have been selected for deferment under existing quota ceilings, and, provided further, that they have signed a deferment agreement. A Deferment Agreement assures the student that he will not be subject to Military duty, even in case of a National emergency, until after he has completed his college education. Under this agreement an Air ROTC graduate may be subject to approximately two years of Military duty as an Air Reserve Officer, after graduation from College, if called to duty by the Secretary of the Air Force.

Veterans, whether enrolled in the Air ROTC Course or not, are not subject to Military duty except in the event of a National emergency. Therefore, any veteran enrolled in the Air ROTC Course who desires complete deferment from Military duty, even in the event of a National emergency, must also sign a Deferment Agreement (see explanation in paragraph above).

CHAPIN HALL

Chapin Hall, the gift of the late Alfred C. Chapin, of the Class of 1869, contains an auditorium seating over a thousand and is equipped with an organ of unusual size and quality. Here are held the Commencement exercises, organ recitals, concerts, and other entertainments.
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LAWRENCE ART MUSEUM

The Lawrence Art Museum consists of eight galleries in six of which the permanent collections are displayed. They include works by Berman, Blakelock, Boudin, Braque, Copley, Davies, Dürer, Harding, Homer, Lachaise, Lafarge, Leger, Maillol, Prendergast, Raeburn, Rembrandt, Reynolds, Rivera, Rouault, Stuart, Tchelichev, Tiepolo, Toulouse-Lautrec, Twachtman, and Wood. Two galleries are reserved for temporary exhibitions which are changed each month. The Blashfield Memorial Room contains Renaissance tapestries, paintings, drawings, furniture, and other art objects presented to the museum by Mrs. Edwin Howland Blashfield in memory of her husband. Other collections include Assyrian reliefs from the palace of Ashur-nasir-pal at Nimrûd, gifts to the College in 1851 from Sir Henry Layard and Sir Henry Rawlinson secured through the efforts of the Reverend Dwight W. Marsh, class of 1842; the John W. Field collection of paintings, bronzes and Greek, Etruscan, and Peruvian pottery; Japanese kakemonos, pottery, lacquer and sword guards; the Herbert D. N. Jones collection of Mayan pottery; the Davenport collection of early American furniture and eighteenth century English and American portraits; Chinese paintings, Gothic and Renaissance textiles; Egyptian bronzes, prehistoric pottery and flints; ancient, medieval and modern sculpture, paintings, drawings and prints. A fund for the purchase of works of art was established in 1948 by Joseph O. Eaton, of the Class of 1895.

The museum is open on week days from 9 a.m. to 12 m. and from 2 to 4 p.m.; Sundays, from 2 to 5 p.m.

ADAMS MEMORIAL THEATRE

The Adams Memorial Theatre is a gift to the College honoring the memory of John Quincy Adams, 1824-1879, of Hopkinton, Mass., and Chicago, Ill. It is a drama-music building that provides considerable flexibility in its use by students interested in the creative and interpretive aspects of dramatic and musical art.

It has a main auditorium seating 479 and a completely modern
stage that includes such architectural features as a permanent plaster cyclorama, one of the few in the country, and tracks for wagon stages. The equipment of the stages makes it readily adaptable for the production of all types of drama. A spacious workshop for the construction and painting of scenery is adjacent to the stage. The basement level of the building contains a studio theatre for music and drama classes, rehearsals, recitals, and laboratory productions, four music practice rooms, a costume construction studio and vaults, dressing rooms, storage rooms, and a room devoted to the housing of the Paul Whiteman Collection of original manuscripts of modern American music.

The Adams Memorial Theatre, in conjunction with Cap and Bells, Inc., the undergraduate dramatic organization, presents each year a varied program of theatre fare for the College community. Prior to the regular 1949-50 college theatre season, performances by Martha Graham and Dance Company and by the Margaret Webster Shakespearean Company in “The Taming of the Shrew” provided an auspicious opening of the academic year. During the College year, the coproducing organizations, the Adams Memorial Theatre Committee and Cap and Bells, Inc., present a six-play subscription season which is distinguished for the range and variety of plays presented. In 1949-50, Goethe’s “Faust, Part I,” “Watch on the Rhine” by Lillian Hellman, “The Gentle People” by Irwin Shaw, William Saroyan’s “My Heart’s in the Highlands,” the “Agamemnon” of Aeschylus, and a student-written musical comedy were produced at the theatre. Of great interest to both college students, faculty, and residents of the surrounding communities have been the arena-style experimental productions offered to non-paying, invited audiences at intervals throughout the academic year. In 1949-50, scenes from and streamlined versions of several noteworthy modern plays were given in this manner and were accorded an enthusiastic reception by students and college community residents alike. These productions have served as a proving ground for new talent as well as for new methods of production. The year 1948 marked the fiftieth anniversary of the founding of Cap and
Bells, Inc. This milestone in Williams College theatre history was observed by a production of Clifford Odet's "Golden Boy." The theatre is and will continue to be interested in sponsoring the presentation of plays that have both literary merit and entertainment values. For these reasons it has produced in the past such plays as the "Antigone" and "Oedipus the King" of Sophocles, William Shakespeare's "Macbeth" and "Much Ado About Nothing," Molière's "Le Malade Imaginaire," Farquhar's "The Beaux' Stratagem," and plays of such modern authors as Eugene O'Neill, Thornton Wilder, Maxwell Anderson, Jean Cocteau, John Steinbeck, Robert Penn Warren, Lillian Hellman, William Saroyan, and Clifford Odets.

The Adams Memorial Theatre Committee, appointed annually by the President of the College, consists of five faculty members, three students, and two townspeople. It approves the annual program of events in the theatre. It is the general policy of the Adams Memorial Theatre to encourage and to foster worthwhile theatre entertainment of every description and to make it possible for students of the drama to attain a broader appreciation and understanding of dramatic art.

LASELL GYMNASIUM

The Lasell Gymnasium, erected and equipped in 1886 through the generosity of the widow of Josiah Lasell, of the Class of 1844, and her son, Josiah Manning Lasell, of the Class of 1886, was remodeled and enlarged in 1928. The building is fitted with the usual apparatus for light and heavy gymnastics. It also houses a running track, swimming pool, lockers, shower baths, and basketball courts. The gymnastic work of the students is under the immediate supervision of competent instructors. Adjoining the Lasell Gymnasium is a building housing fifteen squash courts.
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RELIGIOUS ACTIVITIES

All students are required to attend a weekly chapel service or a Sunday service in one of the local churches. Religious services in the Chapel are conducted by the President, the College Chaplain, or by a visiting preacher. In the selection of preachers the President and Chaplain are assisted by the advice of an undergraduate committee.

COLLEGE PREACHERS AT THE CHAPEL SERVICES

In Thompson Memorial Chapel, September 23, 1949-June 18, 1950

President James Phinney Baxter, 3rd
The Reverend A. Grant Noble, D.D.
The Reverend Halford E. Luccock, D.D.
The Reverend Charles W. Gilkey, D.D.
Rabbi Morris S. Lazaron
The Reverend James T. Cleland, D.D.
The Reverend Robert R. Wicks, D.D.
The Reverend Edgar F. Romig, D.D.
The Reverend Vivian Pomeroy, D.D.
Professor John A. Hutchison, Ph.D.
The Reverend David Roberts, D.D.
The Reverend Arthur L. Kinsolving, D.D.
The Reverend Howard L. Rubendall, D.D.
The Reverend Gerald B. O'Grady
The Reverend Charles C. Noble, D.D.
The Reverend A. Graham Baldwin, D.D.
The Reverend William E. Park, D.D.
The Reverend James A. Pike, J.S.D.
The Reverend James A. Schroeder, D.D.
The Reverend John B. Coburn, D.D.
The Right Reverend G. Bromley Oxnam, D.D.
The Reverend Gardiner Day, D.D.
The Reverend Willard Sperry, D.D.
The Reverend Sidney Lovett, D.D.

Williams College
Williams College
Yale University
University of Chicago
Baltimore, Maryland
Duke University
Princeton University
New York, New York
Milton, Massachusetts
Williams College
Union Theological Seminary
New York, New York
Mount Hermon School
Trinity College
Syracuse University
Phillips Academy
The Northfield Schools
Poughkeepsie, New York
Calhoun College
Amherst College
New York, New York
Cambridge, Massachusetts
Harvard Divinity School
Yale University

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CONCERTS

For many years a course of concerts and entertainments was sus­
tained by the late Frederick Ferris Thompson, of the Class of 1856. Since 1929 the course has been continued as a series of concerts sup­ported by an appropriation made by the Trustees from the income of the Mary Clark Thompson Fund and by the sale of single and season tickets to students, faculty, and the general public. The Thompson Concert series for 1949-50 includes the following artists: The New England Opera-Theater, under the direction of Boris Goldovsky, the Paganini Quartet, Claudio Arrau, Richard Dyer- Bennet and Joaquin Nin-Culmell.

Other activities in Williamstown include two orchestral concerts by the Berkshire Community Symphony Orchestra, a group of sixty-five instrumentalists consisting of faculty members, students, and members of the Berkshire community, under the direction of Joaquin Nin-Culmell, Associate Professor of Music and Chairman of the Department. These concerts are repeated in Pittsfield.

The Williams Glee Club, a student choral organization of sixty voices under the direction of Robert Barrow, Associate Professor of Music, maintains annually a series of concerts at various cities and colleges in the east, and also presents one or more performances in Williamstown. Included in the Glee Club schedule for 1949-50 was a half-hour broadcast over the NBC New England network of sta­tions as well as a joint concert with the Bryn Mawr Glee Club at Bryn Mawr, Pa. On January 15, 1950, the first recital on the newly rebuilt organ in Thompson Memorial Chapel was presented by Professor Barrow, followed by another recital in February by Edwin Stube, Instructor in Music. Various other programs involving the use of the new instrument are being planned, both for organ alone and in combination with voices or other instruments.

FACULTY LECTURE SERIES

The Faculty give this series of lectures weekly, beginning on the first Thursday of the second semester until the last Thursday before
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the spring vacation. All college departments are represented in the series. The lectures, which are open to everyone, are given in the Thompson Chemical Laboratory Building.

STUDENT SELF-GOVERNMENT

It is the policy of the College to encourage to the fullest possible extent the assumption of responsibility for student conduct and the handling of undergraduate affairs by the agencies of student government.

The principal organ of student government is the Undergraduate Council which consists of the president of each of the four classes; the president of the Garfield Club and a number of representatives determined by the numerical strength of the Club; the president of each fraternity; and the chairman of the Student Activities Committee. The College is represented on the Undergraduate Council in a non-voting capacity by the Dean or his deputy.

The Council handles all matters concerning undergraduates, social units and faculty-student relations. It coordinates and guides all student activity and student government. It operates through its own weekly meetings and through committees which report to it. The principal standing committees are: Nominations and Rules, Activities, Discipline, Honor System, Scholastic, Rushing, and Entertainment. The Activities Committee acts as the finance committee of the Undergraduate Council. It apportions among various student organizations the funds raised by the student tax. It supervises the use of these funds and makes regular financial reports to the Undergraduate Council.

By joint action with college administrative authorities the Undergraduate Council appoints two members of the Junior class to serve as Junior Advisers in each entry of the freshman dormitories. Their function is to recommend legislation concerning the dormitories, to administer rules for gentlemanly conduct within the dormitories, and to act in an advisory capacity to members of the freshman class.
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HONOR SYSTEM

All college examinations are conducted under an honor system, established in 1896, by which the presence of proctors in the examination room is dispensed with and each student is placed on his honor. He is free during examinations to move about, to speak to his companions, and to leave the room at any time, provided he does not disturb others. The following statement must be signed to make any examination or other work written on paper in the classroom valid: *I have neither given nor received aid in this examination.*

All cases of suspected fraud are dealt with by a committee of ten students, including four seniors, three juniors, two sophomores, and one freshman. This committee has the power to decide on the question of guilt and to recommend to the faculty the penalty of dismissal from college in the case of a senior, junior, or sophomore, and of suspension in the case of a freshman.

No applicant may be enrolled as a member of the freshman class until he has signed and returned the Honor System Pledge Card.

SOCIAL GROUPS

Garfield Club

The Garfield Club is a social organization approved and recognized by the College as existing for the same purpose as the fraternities, membership in which is open to all students, faculty, alumni, and officers of the College. Too formal an organization has intentionally been avoided and membership is in no way binding. The general supervision of the Club is delegated to the officers, and arrangements for the reception of alumni, the supervision of the scholastic standing of underclassmen in the Club, the general charge of social activities of the Club, including houseparties and the entertainment of members of the faculty, the management of food for the Club, the organization of the numerous intramural athletic teams of the Club, and all other activities are in the hands of committees chosen by the organization. Upperclass members of the Club use the dormitory rooms in Currier Hall for rooming purposes,
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and in addition a large common room for social activities of all
kinds, a lounge room for reading and conversation, and a dining
room are occupied by the Club. The purpose of the Club is to
create a pleasant environment for all its members and to further
their intellectual and social interests.

FRATERNITIES

The fraternities in order of their establishment at Williams are:
Kappa Alpha, Sigma Phi, Delta Upsilon, Chi Psi, Beta Theta Pi,
Zeta Psi, Alpha Delta Phi, Delta Psi (St. Anthony Hall), Delta
Kappa Epsilon, Phi Gamma Delta, Phi Delta Theta, Theta Delta
Chi, Phi Sigma Kappa, Psi Upsilon, and Delta Phi.

HONORARY SOCIETIES

PHI BETA KAPPA

The Williams, or Gamma of Massachusetts, chapter of Phi Beta
Kappa was established July 21, 1864. The highest standing one-
fourteenth of each class is elected to membership at the end of
junior year, but no student may be elected at this time whose
scholastic average is not as high as eleven A's above B. After the
midyear examinations of senior year additional members of the class
are chosen from those whose scholastic average up to that time is at
least eleven A's above B; and, at the end of senior year, any others
who have attained an average as high as eight A's above B are elect-
ed, the general major grade counting as the equivalent of two
semester grades in the calculation of the scholastic average.

DELTA SIGMA RHO

Williams College has a chapter of Delta Sigma Rho, the national
forensic fraternity. Students who participate in intercollegiate de-
bates are eligible for election.

GARGOYLE

Gargoyle, established in 1895, is the senior honor society, with a
maximum membership of twenty men who are chosen publicly
from members of the junior class, in full standing, after the Amherst
baseball game on Memorial Day. The object of the Gargoyle Society is to discuss College matters, take active steps for the advancement of Williams in every branch of college life and work, and to exert itself against anything deemed detrimental to such advancement.

DEPARTMENT OF HEALTH

The College has a Health Center and a well-equipped Infirmary, with a staff consisting of Thomas V. Urmy, M.D., Director of Health; H. Collier Wright, M.D., Physician; Norman B. McWilliams, M.D., Surgeon; and Edward J. Coughlin, M.D., Consulting Orthopedic Surgeon.

The doctors are in the Health Center daily at regular hours to meet all requests for medical attention. Emergency medical service may be obtained at any time of the day or night by calling the Infirmary. If the illness is of a mild and ambulatory type, treatment is given at the Health Center. If the illness is more severe, the student cannot remain in his room but must be admitted to the Thompson Infirmary. Only regularly enrolled students are eligible for such medical services.

In general the Health Department attempts to furnish adequate care for all illnesses and injuries which occur while the student is in Williamstown. It assumes no financial obligation for any treatments of a specialized nature which may have to be provided elsewhere, nor for care during the periods when the college is not in session. In addition the services provided by the Health Department do not include dental examinations and treatment, eye refractions, prescriptions, unusual or expensive drugs not yet incorporated in standard practice, consultations requested by the patient or his family, treatment of conditions present before the student entered college and not described on the health blank at entrance, and elective operations. When a student withdraws from college for any reason, he is no longer entitled to treatment under the health program.

Soon after entrance each student is given a thorough physical
examination, together with routine laboratory tests, annual laboratory tests, and an x-ray of his chest. If found to be in satisfactory physical condition, he is permitted to enter into any form of athletics subject to the requirements of the curriculum. If he is found to have any physical defects, he is restricted in such a manner as to prevent injury. Close contact is constantly maintained with the Department of Physical Education and Athletics to ensure that the health of the individual is protected. The trainer for the athletic teams works under the immediate supervision of the Health Department.

Regular inspections of the college and fraternity facilities for food preparation are conducted, and all food handlers are subjected to physical examinations.

No charges are made for any Health Department services including hospitalization at the Infirmary, excepting the annual fee of $25.00 included in each first term bill.

ATHLETICS AND PHYSICAL EDUCATION

The College provides a full athletic program for all students. The Director of Athletics schedules contests for freshman and varsity teams in baseball, basketball, cross country running, fencing, football, golf, hockey, lacrosse, skiing, soccer, squash, swimming, tennis, track and wrestling with the leading colleges and preparatory schools in the East. Williams is on the prewar eligibility basis of one year of freshman competition and three years of varsity. Freshmen and sophomores who are not engaged in intercollegiate athletics are required to take physical education in classes.

Intramural participation is extra-curricular and voluntary. The sixteen social units compete in basketball, golf, softball, skiing, squash, swimming, tennis, touch football, track and volley ball. Tournaments in tennis, golf, squash, skiing, track and swimming are held annually for the College championship. Prizes are awarded to most winners in these events.
INTRAMURAL COMPETITION

As part of the athletics-for-all policy of the College all the social units engage in contests throughout the college year. The societies are divided into two leagues; the winner in each league in each sport playing for the College championship.

Early in the fall there are tournaments in tennis, golf and touch football for the various teams, and in the winter the program is continued with basketball, volleyball, swimming, skiing, and squash. A softball tournament is held in the spring and an annual intramural track meet soon after the last varsity meet in the spring.

The system is so arranged that the winner of each sport is given a small loving cup and awarded a certain number of points toward a larger cup, the intramural trophy, which goes to the group having the highest aggregate score for all contests.

INTERCOLLEGIATE ATHLETICS

Intercollegiate athletics are under direct control of the faculty through the supervision of the Faculty Committee on Athletics. The immediate direction of intercollegiate athletics, both varsity and freshman, is in the hands of the Director of Athletics, who is a member of this committee and also of the Athletic Council which acts in an advisory and consultative capacity. This council is composed of three undergraduates, three alumni, and three members of the faculty, representing the administration, including the Director of Health and the Director of Athletics.

For the past twenty years intercollegiate athletics have been partially supported by an assessment levied on the undergraduates. This is included on the bill presented to each student at the opening of College. No admission is charged to undergraduates for athletic contests in Williamstown.

Williams normally has varsity and freshman teams in football, soccer, cross country, basketball, hockey, swimming, wrestling, baseball, track, tennis, squash, golf, lacrosse, fencing, and winter sports, and intercollegiate contests in these sports. A student may not
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participate in intercollegiate competition if he is on probation for infringement of College rules or is scholastically ineligible.

CAMPUS ACTIVITIES

A variety of student organizations provide each undergraduate an opportunity to take part in some extracurricular activity.

For the student with an interest in religious work, there is the Williams Christian Association, a voluntary student organization dedicated to service to the College and to the community. It sponsors the Williamstown Boys’ Club and supervises its athletics, recreational, and educational program. Some of its members assist in the services and activities of various churches in and around Williamstown. The receipts of the Annual Chest Fund Drive conducted by the Association go for charitable purposes.

Literary and journalistic interests find expression in the Williams Record, a semi-weekly newspaper; Comment, a literary quarterly; the Purple Cow, a humorous monthly magazine; the Gulielmensian, the College yearbook edited by members of the junior class; the Eph Williams Handbook, which is published by the Record for the purpose of acquainting incoming freshmen with the College; The Adviser, a mimeographed news bulletin, published daily by the Record Business Board; The Williams News Bureau; The Address Book, a directory of students, faculty, and administrative officers, is also published by students.

Activities in the musical field are the Thompson Concerts, the Glee Club, the Chapel Choir, the Williams Octet, the Band, and the Purple Knights dance orchestra.

The Adams Memorial Theatre with its modern equipment supplies an outlet for any interest in the theatre — creative, technical, or administrative. The undergraduate dramatic society, Cap and Bells, is open to all interested students.

Free instruction in painting and drawing is given to all interested students one afternoon a week in the studio of Lawrence Art Museum.
The Adelphic Union has charge of the debating interests of the College and manages the intercollegiate debates.

The Williams Lecture Committee, a combined faculty and undergraduate committee plans each year a series of lectures by invited speakers. A wide variety of topics is covered. Lecturers are generally invited to spend one or two full days on the campus, so that they may talk informally to special groups, take part in regularly scheduled classes, or otherwise contribute to the intellectual life of the College. Informal discussions on current affairs and philosophical problems, in which faculty and undergraduates participate, are arranged by the International Relations Club and the Philosophical Union.

The Williams Radio Club operates an amateur radio station located in the Thompson Physical Laboratory. Equipment built by the club members enables the station to transmit on all amateur bands at the maximum legal power level of one kilowatt. WMS, the Williams Network, is a carrier current radio station operated by Williams students. It provides the campus with daily programs of music, sports, and news events, as well as dramatic shows, faculty talks, and concerts.

The Williams Outing Club operates the Sheep Hill skiing facilities which include two ski tows and a modern warming and refreshment shelter serving an open slope of more than thirty acres. The Outing Club also stages the Annual Winter Carnival, maintains trails and two cabins in the area during the year. The Club also conducts a program of trips and other activities during the year designed to exploit the advantages of the College’s unique environment.

Other student activities include the Flying Club and the Yacht Club.
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EDUCATIONAL PURPOSES

The primary purpose of the Williams curriculum is to promote the development of the student's intellectual powers through progressive training in the methods of acquiring and using knowledge. It consists of two well-defined parts: (1) the general and introductory courses of the freshman and sophomore years and (2) the advanced and more specialized courses of the junior and senior years. Each student is required to concentrate a part of his work (his major) in some department; but, in order that his training may not lack breadth, he must also distribute a part of his work among the three main divisions into which the courses offered are divided, namely:

I. Language and Literature

Comparative Literature
Drama
English Composition
English Literature
French
German
Greek
Latin
Public Speaking
Russian
Spanish

II. Social Studies and Philosophy

Art
Classical Civilization
Economics
History
American History
and Literature
Music
Philosophy
Political Economy
Political Science
Psychology
Religion

III. Science and Mathematics

Astronomy
Biology
Chemistry
Geology
History and Method
of Science
Mathematics
Physics

During the freshman and sophomore years the courses, while broadly informational in character, are also preparatory for the later work of the curriculum. In these years it is expected that the student will find the field in which he is chiefly interested and will develop the intellectual powers necessary to cope with the
more advanced and exacting work later. It is a period during which the student shows whether he possesses interest in and aptitude for scholarly pursuits and the intellectual power that fit him to go forward.

The main purpose of the second part of the curriculum is to train the student in the command of the material in a special limited field and in the coordination of his knowledge. This objective is attained by requiring him, during his junior and senior years, to concentrate part of his work in a major, composed of a definite sequence of courses in a single department and three additional courses, one of which, at least, must be in an allied subject. Outside the major, all courses are elective, subject to the prerequisites which control the progress of studies in each department.

**DETAILED REQUIREMENTS**

**Freshman Year**

Each freshman takes five courses, including at least one from each division.

**Division I — Language and Literature**

English 1-2, French 5-6, German 3-4 or 5-6, Greek 3-4, Latin 5-6, Spanish 5-6.

**Division II — Social Studies and Philosophy**

Classical Civilization 1-2, Economics 1-2, History 1-2 or 1a-2a, Political Science 1-2.

**Division III — Science and Mathematics**

Biology 1-2, Chemistry 1-2 or 1a-2a, History and Method of Science 1-2, Mathematics 1-2 or 1a-2a, Physics 1-2 or 1a-2a.

**Electives**

Any of the above courses not already chosen to meet the divisional requirements, and English Composition 1a-2a, French 1-2, 3-4, or 5a-6a, German 1-2 or 1a-2a, Greek 1-2, Latin 1-2 or 3-4, Spanish 1-2, 1a-2a, 3-4, or 5a-6a.

In addition to five courses, physical education is required. A student who fails to show in a placement test given during
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Freshman Week that he has an adequate mastery of English com¬
position, must take corrective composition.

A freshman of marked ability and adequate preparation may, with special permission, take certain courses ordinarily not open
to freshmen. These include Art 1-2, Astronomy 1-2, Biology 3-4,
Chemistry 3-4, French 7-8, German 7-8, Latin 7-8, Mathematics
3-4, Music 1-2, Philosophy 1-2, and Physics 3-4.

Two beginning language courses may not be elected in the
freshman year, and no beginning course in a language, except
Greek 1-2, will count toward the degree unless followed by a second
course in the language.

SOPHOMORE YEAR

Each sophomore takes five courses, including one in each di¬
vision in which he has not already taken two in his freshman year.

DIVISION I — LANGUAGE AND LITERATURE
Drama 1-2, English 1-2 or 3-4, French 5-6 or 7-8, German 3-4, 5-6, or 7-8,
Greek 3-4, Latin 5-6 or 7-8, Spanish 5-6.

DIVISION II — SOCIAL STUDIES AND PHILOSOPHY
Art 1-2, Classical Civilization 1-2, Economics 1-2 or 3-4, History 1-2, 1a-2a,
or 3-4, Music 1-2, Philosophy 1-2, Political Science 1-2 or 3-4, Psychology 1-2,
Religion 1-2.

DIVISION III — SCIENCE AND MATHEMATICS
Astronomy 1-2, Biology 1-2 or 3-4, Chemistry 1-2, 1a-2a, or 3-4, Geology 1-2,
Mathematics 1-2, 1a-2a, or 3-4, Physics 1-2, 1a-2a, or 3-4.

ELECTIVES
Any of the required courses not already chosen to meet divisional require¬
ments, and French 1-2, 3-4, or 5a-6a, German 1-2, or 1a-2a, Greek 1-2, Latin
1-2 or 3-4, Russian 1-2, Spanish 1-2, 3-4, or 5a-6a.

In addition, physical education is required.

As no major may be entered without having completed a pre¬
requisite course — the first of the sequence courses in a major —
the student should include among his freshman and sophomore
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courses the prerequisite of any major that he is at all likely to select. He should also note that certain of the courses listed above may count toward the fulfillment of major requirements.

A sophomore of marked ability may, with special permission, take courses not ordinarily open to him.

JUNIOR AND SENIOR YEARS

Each student takes five courses in his junior year. The senior major course counts as two courses. Seniors will therefore register for only four separate courses including the senior major course.

THE MAJOR GROUP

Each student must elect one of the following majors: art, biology, chemistry, classics, economics, English, French, geology, German, history, American history and literature, mathematics, music, philosophy, physics, political economy, political science, psychology or Spanish. To be eligible for any major, a student must have received grades of C in each semester of the prerequisite course and any other course taken in the sophomore year which is required in the major. A student who falls below this standard may major in this subject only with the approval of the Committee on Academic Standing in consultation with a member of the department.

The major consists of three parts. The first, known as the departmental sequence, and composed of three required courses taken consecutively, begins in the freshman or sophomore year with the prerequisite to the major, continues with a junior course, and culminates in a senior course. The second part of the major consists of two year-courses or an equivalent number of semester courses, known as parallel courses. One of these is specified by most departments, though not by all, and is taken in either the sophomore or junior year; the other is elected by the student from the other courses of junior or senior grade approved by the department. The third part of the major consists of a year-course, known as the correlation course, which is selected by the student from a number of designated courses in other departments which are related to his
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field of study. The detailed structure of each major precedes the list of courses in each department under "Courses of Instruction."

THE MAJOR EXAMINATION

The major examination is given at the end of the senior year and is intended to test the student's command of the major as a whole. While based upon the courses which he has actually taken, it is not, however, a mere retesting of the content of any single course, but an examination intended to bring out the student's ability to coordinate the different parts of the major, including the correlation course. Since the required courses of the major are organized so as to cover a definite field, a large part of the preparation for the examination will be given in connection with course instruction. The attention of the student will be directed toward the type of correlation on which he will be tested in the major examination. In addition, the final required senior course in the departmental sequence of each major will include the study of subjects or problems which by their nature call for the bringing together of material already encountered in the required courses which precede. In the conduct of this course the student will be given such individual consultation and advice as he requires. For the purpose of facilitating the preparation for the major examination the student is only required to carry four instead of five courses in the senior year.

Beginning with the class of 1950 the major examination will be two days and will cover the full major. On the first day, the examination will be a minimum of three hours and a maximum of four hours in length with an additional half hour allowed at the beginning of the period for study of the examination. On the second day, the conditions are the same except that at the discretion of each department the minimum may be reduced to one and one-half hours.

COMPLETION OF THE MAJOR

The passing of each major course and of the major examination is necessary for the completion of the major. In addition, the student
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must obtain a general grade of C or higher in the major. This grade is determined by combining the grades attained in all the major courses and the grade attained in the major examination. The latter must count at least one third of the total. In computing this average of major course grades, a grade of B is required to offset each grade of D. A student who receives a grade of E in the first semester of the major course in his senior year is dropped from college at midyear. Seniors who are three grades of D below a C average in the major field may also be dropped at midyear.

A student who fails in the major examination, or who fails to secure a major grade of C, may be given a re-examination a year later, with the permission of the department in which he majors and of the Committee on Academic Standing. Such a student, however, may not be in residence in Williams College while preparing for the re-examination.

THE DEGREE WITH HONORS

The degree with honors is intended to encourage individual initiative and to constitute a distinct recognition of scholarly achievement in a given major field. The student who registers for the degree with honors adds to the attainments acquired in preparing for the general major examination special training exhibited in a final thesis. An important function of this plan is to develop the student’s individual capacities and to encourage him in working independently.

Students who have attained a grade of B or higher in each semester of the prerequisite and a total of six grades of B or higher in the sophomore year, may enroll as candidates for the degree with honors. Those whose grades do not conform to this standard may enroll only with the consent of the department concerned and of the Committee on the Honors Degree. A student thus registered plans his junior and senior work under the direction of a member of his department. Each department administers the necessary training in methods according to its own respective needs, employing group or individual instruction at its discretion, but emphasiz-
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ing throughout the individual responsibility of the student. In the senior year the student prepares a thesis under the guidance of a member of his department. A student who for any reason does not register for the degree with honors at the end of his sophomore year, but who shows high promise in his junior year, may, with the consent of his department, enroll for this degree in his senior year. If a student proves unable, through lack of ability or of character, to maintain the necessary standards of work, he may, upon recommendation of his department or of the Dean, be deprived of his privilege by vote of the Committee on the Honors Degree, and be obliged to complete the requirements for the regular degree in the usual manner.

The candidate for the degree with honors is entitled to omit two courses from his major, a departmental elective and the correlation course, and he will be held responsible for only the departmental sequence and one parallel course in the final major examination. If he registers for the degree with honors in his senior year only, he may, with the consent of his department, omit either an elective parallel course or the correlation course. Candidates for the degree with honors may regulate their attendance subject to appropriate limitation by their instructors or the Dean. In addition, with the consent of the major department, he may substitute for any course independent study of a more mature and advanced character than that in the regular courses.

The candidate who attains a grade of B, based upon the work in his major courses, his final major examination, and his thesis, qualifies for the degree with honors. If he attains a grade of A, he qualifies for the degree with highest honors. A candidate for the degree with honors who receives a major grade of C, qualifies for the regular degree.

PREMEDICAL AND PREDENTAL STUDY

A premedical or predental student should consult early in his college course the catalogue of the school he wishes to enter so that he can plan his course at Williams to fulfill the requirements of the
In selecting a school of medicine or dentistry, a student may want to consult the bulletins of a number of schools. In general, most medical schools require English 1-2, biology 1-2 and 5-6, chemistry 1-2 or 1a-2a, 3-4 or 5-6, and 7-8; physics 1-2 or 1a-2a and two years of a modern foreign language or their equivalents in entrance credits. Physics and chemistry should ordinarily be taken in the freshman year.

At the beginning of his premedical or predental training, the student should be aware of the nature of the competition he will encounter in his senior year when he applies for entrance to medical or dental school. The number of such applications is now so great that the committees on admission for the most part can and do select their classes from those applicants who have a high standing in their premedical work. The quality of the work in the required science courses is considered to be particularly significant in determining the desirability of a candidate for admission.

PREPARATION FOR GRADUATE AND PROFESSIONAL STUDY

As each major provides an adequate foundation for graduate study in its own field, it is advisable that a student avoid over-concentration in his specialty; otherwise his college course may lack breadth. Most of the nontechnical courses required for engineering degrees may be anticipated by a suitable selection of major and elective courses. Particular attention is called to the requirement of a reading knowledge of either French or German, or of both, by most graduate schools and by many technical schools.

THE AMERICAN CHEMICAL SOCIETY ACCREDITED MAJOR IN CHEMISTRY FOR STUDENTS PLANNING TO ENTER CHEMISTRY AS A PROFESSION

The American Chemical Society has prescribed minimum requirements for a student who wishes to obtain a Bachelor of Arts degree with a major in chemistry for the purpose of continuing his
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chemical training in a graduate school or entering chemical industry as a chemist. The courses given below satisfy the minimum requirements for the A. C. S. accredited major. At the time of registration freshmen, sophomores and juniors should plan their entire program carefully, in consultation with the department of Chemistry.

Chemistry 1a-2a (1-2), 3-4, 5-6, 7-8, 9-10.
Physics 1a-2a (1-2). An additional year is desirable.
Mathematics. 1a-2a (1-2), 3-4. The latter must be taken before Chemistry 9-10.
German 1-2, 3-4. A reading knowledge of French is also desirable.
A total of three additional courses in Division I and Division II.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
AND WILLIAMS DEGREES

THE COMBINED PLAN

In order to facilitate the combination of a liberal arts course with education in engineering, Massachusetts Institute of Technology and Williams College offer a combined ten-semester program leading to the Bachelor’s degree from both institutions. The student, in consultation with the deans of both institutions, may arrange to complete the requirements for a Williams B.A. and the requirements for a B.S. degree from Massachusetts Institute of Technology with a six-semester (three years) course at Williams and a two-year course at the Institute. For students who, in preparation for engineering, are majoring in mathematics, physics, or chemistry at Williams and who enter an engineering field at Massachusetts Institute of Technology at the end of six semesters, the major requirements for the Williams degree are modified to the extent of waiving the senior course and the major examination. Only students who have taken the required courses and have an average of at least as high as B in scientific subjects and a good record in other subjects will be considered for recommendation by Williams College for the part of the program at the Massachusetts Institute of Technology. In addition, in order to secure a recommendation, the student must
show evidence of high character and complete dependability in all matters.

A candidate on the Combined Plan may, at his option, remain at Williams College four years, secure the Williams degree and then enter the Institute on the Plan, provided he has met the requirements and has a recommendation from Williams. Two years at the Institute are still required for the B.S. in engineering. This option of the Plan is recommended by both institutions since it allows the student to complete his liberal arts education before entering professional engineering training.

Candidates for admission to Williams who are considering the Combined Plan should present for entrance credit, chemistry, physics and four units of mathematics, including trigonometry. Inquiries should be addressed to the Director of Admissions at Williams College.

The Combined Plan is open to prospective architects on a basis of three years at Williams College and three years at Massachusetts Institute of Technology. As this program concentrates heavily on the engineering phases of architecture, an interested student should make certain that his course of study satisfies the requirements for architects.

PREARCHITECTURAL STUDY

Although requirements set by various architectural schools differ, the equivalent of Mathematics 1a-2a (i.e., including elementary calculus), Mathematics 13-14 and basic courses in the history of art and architecture are required by all.

Entering freshmen who plan to become architects should take Mathematics 1a-2a and are advised to take Art 1-2 (listed as a Sophomore course) in their Freshman year, and Mathematics 13-14 and Art 3 and 4 in their Sophomore year. Art 5-6, the Junior course in basic design, is a prerequisite for all senior work in architectural design. The latter is conducted by an architect, primarily on an honors basis.
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GRADERS

The following grade system is used: A, excellent; B, good; C, fair; D, passing; E, failing. These grades have no percentage equivalents and the interpretation of the adjectives “excellent,” “good,” “fair,” etc., rests wholly with the instructor.

COMPLETION OF COURSES

A student must secure a passing mark in the class work of a course in order to be admitted to the final examination. A course is considered completed for any semester when the student has obtained a grade as high as D, based on both the daily work and the final examination. If he fails to do this, he must cancel the deficiency in one of these ways:

(1) repeat the course;
(2) forfeit one semester’s credit and take another full year course;
(3) in case of a first-semester failure in certain courses, obtain a grade as high as C in the work of the second semester;
(4) in the case of a failure in the first semester of senior year pass a special re-examination before the middle of the last term with a grade of C or higher. This does not apply, however to a failure in the first semester of the senior major course, or a failure resulting from a senior’s being barred from the mid-year examination. In both cases the senior is dropped from college at mid-year.

If a failure occurs in the first semester of a year-course, the student may, with the consent of the instructor, continue the course. Credit for the first semester of a year-course may be canceled because of failure in the second semester, upon the recommendation of the department concerned and with the approval of the Committee on Academic Standing.

If a student because of illness or protracted absence from College or for special reasons has not completed the daily work of a course at the end of a semester, he must secure permission from the Dean to take the final examination and an extension of time to complete
the daily work. In the case of absence from a final examination, a make-up examination may be given only at a time to be determined by the Dean.

If a student's total absences in any course exceed fifty per cent of the exercises of the semester, the work may not be made up nor may any credit be allowed for the course for that semester except by special vote of the Committee on Academic Standing. This applies to honors candidates as well as to students on the Dean's List.

GRADUATION REQUIREMENTS

The number of year-courses, or their equivalent in semester-courses, required for graduation is twenty. A student must also secure semester grades above D in at least one half of the total number of courses required for graduation and must attain a major grade of C or higher based upon the work in the major courses and in the final general examination.

All courses taken in the senior year must be passed, even though they are not necessary to complete the number of courses required for graduation.

BACHELOR OF ARTS

The degree of Bachelor of Arts is conferred, by vote of the Trustees at Commencement, upon students who have completed the requirements as to courses and grades to the satisfaction of the faculty, have paid to the Treasurer all college dues and other college charges, have paid the student tax in full for each year of residence, and have returned all books belonging to the Library.

MASTER OF ARTS

The degree of Master of Arts is awarded for not less than one year of resident graduate study to graduates of Williams College who satisfactorily complete the requirements. Graduates of other colleges may be registered as candidates if their college records...
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show that they have completed with credit major work substantially equivalent to that required for the Williams degree.

For detailed information concerning the requirements for the degree write to the Chairman of the Committee on Graduate Study.

ACADEMIC DISTINCTIONS

In addition to the degree with honors or with highest honors in a special field, there are two other forms in which recognition for high scholarship is awarded.

Sophomore Honors

Sophomore honors are awarded at the end of the sophomore year to all students who have attained grades of the same excellence as are required for degrees with distinction at graduation.

Graduation with Distinction

The Faculty will recommend to the Trustees that the degree of Bachelor of Arts cum laude be conferred upon all members of the graduating class who have completed the work for the degree with honors and who in three fourths of their semester grades have received the equivalent of a B grade, and in one fourth the equivalent of a C grade*; that the degree magna cum laude be conferred upon those who have completed the work for the degree with honors and who in one half of their semester grades have received the equivalent of an A grade and in one half the equivalent of a B grade; and that the degree summa cum laude be conferred upon

*As an alternative to this method of qualifying for graduation with distinction, a veteran returning to Williams College will be granted the B.A. degree cum laude, on the recommendation of the department concerned, if he has completed four or more terms following his return from service and has obtained a B average in all courses taken after his return. A veteran who has completed six terms following his return from service and has obtained an average of 2/3 As and 1/3 Bs will be granted the B.A. degree Magna Cum Laude. Beginning with the class of 1952 a veteran meeting this requirement must also have completed the work for the honors degree in order to qualify for distinction.
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those who have completed the work for the degree with honors and who in three fourths of their semester grades have received the equivalent of an A grade and in one fourth the equivalent of a B grade. This rule will be strictly adhered to for class of 1952. For classes of '49, '50, and '51 other than honors men will be considered for distinction on the basis of grades alone.

DISMISSAL FOR LOW SCHOLARSHIP

It is the policy of Williams College not to permit students to remain in residence after it has become evident that they are either unable or unwilling to maintain reasonable standards of achievement.

Freshmen who fail to pass three courses in the first semester have not matriculated, and are not allowed to continue.

At the end of the freshman year, the Committee on Academic Standing will recommend to the Faculty the dismissal of any freshman who has not secured five semester grades of C or higher.

At the end of the sophomore year, the Committee on Academic Standing examines all records to determine which students have shown that they can enter profitably upon the work of the junior and senior years. Students are permitted to continue only if they have shown promise of being able to do satisfactory work in a major field and in the major examination. The Committee will recommend for dismissal any student who, at the end of his sophomore year:

1. has failed to attain at least ten semester grades of C or higher;
2. has failed to qualify for a major;
3. has fallen off seriously in scholarship during his second year.

At the end of the junior year, the Committee on Academic Standing will recommend for dismissal any junior who:

1. has failed to attain at least fifteen semester grades of C or higher;
2. is three semester grades of D below a C average in his major and has no alternative major in which his average would be at least as high as one D below a C average;
3. has fallen off seriously in scholarship during his third year.
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At the middle of the senior year, the Committee on Academic Standing will recommend the dismissal of any senior who:

1. fails a course as a result of being barred from the mid-year examination;
2. receives a mid-year grade of E in his senior major course;
3. is three semester grades of D below a C average in his major field.

Seniors fail to qualify for the degree if they:

1. fail a course in the second semester of the senior year;
2. fail to receive a grade of C or higher in a makeup examination for a course failed during the first semester of the senior year;
3. receive less than twenty semester grades of C or higher;
4. receive a grade of less than C in the major field;
5. fail the major examination.

Any student who accumulates three or more deficiencies or who fails in two courses in a semester is seriously considered for dismissal.

The Committee on Academic Standing will recommend for dismissal any student who fails three or more courses in a semester.

At the end of each semester, the Committee on Academic Standing surveys the records of the entire student body and it places on Academic Warning any student whose work is considered unsatisfactory.

RECORDS AND REPORTS

Grades of D and E estimated by instructors at the middle of each semester are reported to students as “warning” grades. If a student’s scholastic standing at this time appears dangerously low, a report is sent to his parents or guardian. When a student fails seriously after the middle of the semester, however, the absence of warnings does not preclude action by the Committee on Academic Standing at the close of the semester.

A report of scholarship is sent by the Dean to every student’s parents or guardian at the close of each semester. A permanent record of each student’s scholarship is kept, and by this record his promotion and graduation are determined.
COURSES OF INSTRUCTION

All courses, except where otherwise indicated, are given three hours each a week.

Courses designated by a single numeral are semester courses (odd numerals being employed for courses given in the first semester and even numerals for courses given in the second semester). Year-courses are designated by an odd numeral and an even numeral joined by a hyphen and the work of the two semesters constitutes an integral, indivisible course.

The order in which the courses may be elected is determined by the prerequisites stated under the course description. Certain courses designated by the words “Sophomore course,” “Junior course,” etc., may not ordinarily be taken earlier than the year indicated. An exception to this rule may be made for a student of high scholastic ability by a petition to the Committee on Academic Standing.

Any course in which the registration is deemed insufficient may be withdrawn at the beginning of either semester without previous notice. Courses enclosed in brackets are not given in 1949-50.

AIR SCIENCE AND TACTICS

Chairman, Professor J. A. Cosgrove, Lt. Col.

Professor Cosgrove, Lt. Col., Assistant Professor Bennett, Capt., Assistant Professor Bowland, First Lt., Assistant Professor Barry, First Lt., M/Sgt. Russell, M/Sgt. Barnard, S/Sgt. Skinner, S/Sgt. Craig

Freshmen with no military experience should elect Air Science 1. Freshmen with credit for three years Junior ROTC (secondary school level) or with at least six months service with the Armed Forces should elect Air Science 3-4. Freshmen with one year or more in the Armed Forces may not normally enroll in the Air ROTC until their Junior years and at that time should elect Air Science 5-6.

1-2 First Year Basic Course

A course in Military Policy of the United States, Military Organization, Evolution of Warfare, Military Psychology and Personnel Management, Military Mobilization and Demobilization, First Aid and Hygiene, Military Prob-
AIR SCIENCES AND TACTICS, ART


Freshman course.


Exam J.

3-4 Second Year Basic Course


Sophomore course.

Prerequisite, Air Science 1-2; or three years Junior ROTC (secondary school level); or at least six months service with the Armed Forces.


Exam G.

5-6 First Year Advanced Course


Junior course.

Prerequisite, Air Science 1-2 and 3-4 or at least one year military service.

Hours EF.  Exam B.

7-8 Second Year Advanced Course


Senior course.  Prerequisite, Air Science 5-6.

Hours EF.  Exam B.

ART (Div. II)

Chairman, Professor S. L. Faison, Jr.

Professor Faison, Associate Professor Stoddard, Assistant Professor Pierson, Visiting Lecturer Kessler, Mr. Graybill

Major — Sequence courses: Art 1-2, 5-6, 19-20.  Parallel courses: (a) Art 3 and 4.  (b) Any two semester courses in Art not included above.  Prospective architects may offer Mathematics 13-14.  Correlation courses: Music 1-2, any two semesters of English 11, 12, 13, 14, or Political Science 11.
The major begins in Art 1 with a series of critical exercises of original works of art, including architecture. The student is trained to observe with great care and to respond to the artist’s use of visual forms. The historical courses present the major artistic achievements of Western Civilization from ancient times to the present. Architecture, sculpture, painting and related arts are studied, sometimes concurrently to explore their connections with one another in a given social context, sometimes individually to provide an intensive training in the special problems of each art. The critical approach of the first course is maintained throughout; and it is further developed at the junior and senior levels by studio exercises designed to enable the student to grasp at first hand the language of the visual arts.

The Degree with Honors in Art

The work of the honors courses consists of an intensive study of some special phase or problem of the arts in which methods of criticism and research will be stressed. A thesis is required in senior year. To supplement the material available at Williams College the student is encouraged to make use of the facilities offered by other libraries, museums and collections.

Special arrangements are available for prospective architects who are eligible for honors courses.

1-2 Introduction to the History of Art

Basic problems in the understanding and criticism of architecture, sculpture and painting.

A study of a limited number of works of these arts in the principal historical periods, including the present. Their relationship to each other and to the social and historical background.

Lectures, assigned reading and a weekly conference hour. Fee, $4 a term.

Sophomore course. (Open to specially qualified freshmen).

Hours M, E. Exam K. FAISON, STODDARD, PIERSON, GRAYBILL.

3 Modern Painting

European and American painting and sculpture of the nineteenth and twentieth centuries with emphasis on the development of modern French painting.

Lectures, assigned reading and a weekly conference hour or field trip. Fee, $4.

Junior course. Prerequisite, Art 1-2.

Hour C. Exam E. Faison.
4 MODERN ARCHITECTURE

European and American architecture of the twentieth century and its origins. Effect of the political and industrial revolutions. Growth of a new architecture for social and industrial needs.

Lectures, assigned reading and a weekly conference hour or field trip. Fee, $4.

Junior course. Prerequisite, Art 1-2.

Hour C. Exam E. STODDARD

5-6 BASIC DESIGN AND CRITICISM

The purpose of this course is to develop an understanding of the problems of two-dimensional and three-dimensional design in painting, sculpture and architecture, with emphasis on practical application.

Critical discussions and studio exercises.

No previous technical training is assumed or required.

Junior course. Prerequisite, Art 1-2 and permission of the department. Fee, $4 a term.

Hour B. Exam T. PIERSON, GRAYBILL

7 ROMANESQUE ART AND ITS SOURCES

The development of the Romanesque style in Western Europe (1000-1200) and its origin in Roman, Early Christian, Byzantine and Carolingian art. The emphasis in this course is on architecture and architectural sculpture. Fee, $4.

Lectures, assigned reading and a weekly conference or field trip.

Junior course. Prerequisite, Art 1-2.

Hour K. Exam L. STODDARD

8 GOTHIC ART

The great cathedrals and their relation to medieval life. Painting in Northern Europe from the Van Eycks through Dürer and Brueghel. National developments in France, Germany, the Netherlands, England, Italy and Spain. Fee, $4.

Lectures, assigned reading and a weekly conference or field trip.

Junior course. Prerequisite, Art 1-2.

Hour K. Exam L. STODDARD

10 AMERICAN ART


Lectures, assigned reading and a weekly conference or field trip.

Junior course. Prerequisite, Art 1-2. Hour D. Exam P.
11-12 Renaissance and Baroque Art

Architecture, sculpture and painting in the Italian Renaissance of the fifteenth and sixteenth centuries, with emphasis on such masters as Donatello, Brunelleschi, Masaccio, Leonardo, Raphael, Michelangelo and Titian. Gothic and classical foundations of Renaissance art; the spread of Italian forms in sixteenth century Europe.


Lectures, assigned reading and a weekly conference hour. Fee, $4 a term.
Junior course. Prerequisite, Art 1-2. Not open to students who have taken the former Art 5-6, which this course replaces.
Hour B. Exam T.

Faison

13-14 Architectural Design

Senior course. Prerequisite, Art 5-6 or Art 8, provided Art 5-6 is taken concurrently with Art 13-14. Enrollment is limited and permission of the department is required to take this course. Fee, $50.
Hour Arr. Exam Arr.

Kessler

19-20 Technical and Critical Studies (not to be offered after 1949-50)

Practical exercises designed to enlarge the student's understanding of techniques and processes. Field trips to museums, studios and architectural offices. Advanced problems of criticism. The evolution of a work of art from first sketch to final form. Fee, $4 a term.
Senior course. Required course in the major. No prior technical training necessary. Prerequisite, Art 3, 4 and 5-6.
Hours 1-3.00 Mon., 1-3.00 Thurs. Exam I.

Pierson

[19-20 Renaissance and Baroque Art: History and Techniques (to be offered in 1950-51)]

This course consists of Art 11-12 (three lectures per week on the history of architecture, sculpture, painting and graphic arts in the Italian Renaissance and in Baroque Europe) plus a series of weekly studio exercises and critical discussions, conducted in relation to the material presented in the lectures. In addition, related material in the field of the student's correlation course will be studied. Fee, $4 a term.

Senior course. Required course in the major. Prerequisite, Art 3, 4 and 5-6; open only to art majors.
1-2 General Astronomy

General astronomy, the instruments of modern observation, the physical nature, and apparent and real motions of the various bodies which make up our solar system. The constitution and evolution of the stars and nebulae which make up our galaxy. Extra-galactic systems and the expanding universe. Evening observation at the observatory during the fall and spring.

Sophomore course. Prerequisite, Physics 1-2 (1a-2a) or, with the consent of the instructor, admission credit in physics.

Hour J. Exam D.  

3 Meteorology

The basic principles of modern meteorology; aeronautical meteorology, marine meteorology, forecasting for short periods. Laboratory three hours a week.

Junior course. Prerequisite, Physics 1-2 or 1a-2a.

Hour L. Exam F.  

4 Marine and Air Navigation

An introductory course dealing with the modern methods used in the navigation of surface vessels and aircraft. Topics studied include maps and charts, instruments, piloting, dead reckoning, current and wind, relative movement, celestial navigation. Fee, $3 a term.

Junior course. Prerequisite, Mathematics 1 or admission credit in Trigonometry. Hour L. Exam F.  

5-6 Astronomical Observation

Basic methods used in obtaining astronomical data in the various fields of investigation. Fundamental photographic principles. Photographic observations of planets, stars, and nebulae for position, parallax, proper motion, magnitude, color, spectral class, radial velocity, etc.

Lectures and discussions, two hours a week; afternoon laboratory work and evening observing, six hours a week. Fee, $2 a term.

Junior course. Prerequisite, Astronomy 1-2 or 1a-2a.

Hour M. Exam K.
BIOLOGY (Div. III)

Chairman, Professor E. C. Cole

Professor Cole, Professor Matthews, Professor Hoar, Professor Waterman, Assistant Professor Copeland, Mr. Merrill, Mr. Bacon

Major — Sequence courses: Biology 1-2, 5-6, 19-20. Parallel courses: (a) a year course or two semester courses in biology; (b) two semester courses in biology or, with the consent of the department, two semesters or their equivalent of any of the correlation courses. Correlation courses: Chemistry 1-2 (1a-2a) or higher; Geology 1-2, 7, 8; Physics 1-2 (1a-2a).

The departmental sequence introduces the student to the structure, activities, environmental relationships, heredity, development and evolution of living things, including man. In addition, the student selects four semester courses in biology, and a correlation course, one year or two semesters in chemistry, geology or physics, which may be taken in the sophomore, junior or senior year. The work of the major is of value not only to premedical students and those using it as an introduction to graduate work, but also to any who desire further acquaintance with living things as a part of a general education.

The Degree with Honors in Biology

In addition to the work of the departmental sequence and two semester courses in the parallel course group, a candidate for this degree carries independent work on an individual problem during his senior year. As preparation for this work, it is recommended that Biology 9 be taken in the junior year, since it provides the student with techniques that will be useful in his later work. Biology 102 is required. This course introduces the student to several problems, the literature of the fields concerned and the techniques of solving these problems. Seminar work in the analysis and discussion of scientific papers form a part of this work. Toward the end of the semester the student selects a particular problem upon which he will concentrate. This course is designed as a probationary period during which both department and student determine the advisability of proceeding with honors work for the senior year. A student who, in his own or the department’s opinion, would not profit by a continuation of this type of work is given a suitable grade for the course, and his candidacy for an honors degree in biology lapses. A student who continues his honors course program will normally devote himself to his selected problem in Biology 103 and 104, and will complete his work by the preparation of a thesis upon the field of the problem.

1-2 General Biology

Fundamental properties of living matter; structure and activities of plants and animals; interrelations of organisms; environmental factors. Relations of
BIOLOGY

plants and animals to human needs and interests. The method of science; inheritance; individual and racial development. Man’s place in the living world.

Lectures and laboratory work, six hours a week. Fee, $2.50 a term.

Freshman course. Hour K. Exam L. HOAR, COLE

[1A-2A GENERAL BIOLOGY

Somewhat different from Biology 1-2 in plan, and less elementary in method and treatment.

Freshman course. Prerequisite, admission credit in Biology. Hour B. Exam B.]

3-4 ADVANCED GENERAL BIOLOGY

First semester: A study of the form and behavior of some of the lower animals. Experimental studies on the bodily functions of selected types. A consideration of the importance to man of several groups of lower animals. One or more field trips in the fall.

Second semester: A study of the higher plants, with special reference to the vascular types. Origin of land plants; evolution of higher plants, based on a study of both living and fossil forms. Emphasis on the importance to man of higher plants. Field trips in the spring for the study of plants in their natural environments.

Lectures and laboratory work, six hours a week. Fee, $2.50 a term.

Sophomore course. Prerequisite, Biology 1-2 or, with the consent of the department, admission credit in biology. Offered as a year course for Sophomores; either term may be taken as a semester course by Juniors and Seniors.

Hour K. Exam L. COLE, HOAR

5-6 COMPARATIVE AND DEVELOPMENTAL ANATOMY OF THE VERTEBRATES

First semester: Comparative anatomy and evolution of the vertebrates. Study of the structure of different animals and the tracing of their resemblances and differences. Laboratory dissection and demonstration of dogfish, Necturus, turtle, pigeon, and cat. Prochordates.


Lectures and discussion, three hours a week; laboratory, three hours a week. Fee, $2.50 a term.

Junior course. Prerequisite, Biology 1-2 or 3-4 with the consent of the department.

Hour D. Exam P. WATERMAN
7 Bacteriology

General bacteriology, including methods of classification, factors necessary for growth, culture methods, stains and staining; topics connected with bacteria and their importance in nature and in industry. The more important disease-producing bacteria, including a study of pathogenesis, channels of infection and dissemination, immunity, antisera, vaccines, anaphylaxis, bacteriophage phenomena, and viruses.

Lectures, three hours a week; laboratory work, three hours a week. Fee, $2.50. 

Junior course. Prerequisite, Biology 1-2. 

Hour A. Exam R. 

8 Genetics and Eugenics

Principles of variation and heredity; Mendelian laws; the physical basis of inheritance; theory of the gene; linkage; chromosome maps; theories of sex determination; mutation; hybridization; theories of evolution; applications to plant and animal breeding; inheritance in man; eugenics.

Lecture, conference, or discussion, three hours a week; laboratory work including experimental breeding, three hours a week. Fee, $2.50.

Junior course. Prerequisite, Biology 1-2. 

Hour A. Exam R. 

9 Comparative Histology

A comparative study of animal tissues and organs as seen under the microscope. Methods of preparing tissues for study.

Lectures and laboratory work, six hours a week. Fee, $2.50.

Junior course. Prerequisite, Biology 1-2. 

Hour L. Exam F. 

10 Biology of the Lower Plants

The study of fungi and algae: their structure, development, activities, reproduction, and evolution. Emphasis on the importance of fungi in nature and to man, in agriculture, forestry, and medicine. Methods of growth and control. Field trips in the spring for study of lower plants in their natural surroundings. Fee, $2.50.

Lectures and laboratory work, six hours a week.

Junior course. Prerequisite, Biology 1-2. Hour L. Exam F. 

19-20 General Physiology and Problems in Biology

An expansion and coordination of the other courses in the major. Exploration of the functions of cells, tissues, and organs, the factors and principles conceived in such functions and their significance to organisms.
CHEMISTRY

First semester: General physiology of the cell. Chemical and physical nature of living matter; the cell and its relation to its environment; surface membranes and osmotic phenomena; physiological significance of hydrogen ions; neuro­muscular activities.

Second semester: Physiology of several of the systems. Circulation, digestion, respiration, excretion, reproduction, functioning of the endocrine and sense organs.

A series of seminars in which all members of the department take part provides a review of the field of biology in preparation for the major examination. Lectures, conferences, and laboratory work, six hours a week. Fee, $2.50 a term.

Senior course. Required course in the major. Prerequisite, Biology 5-6.

Hour B. Exam T.

Matthews

101-102 Junior Honors Course

103-104 Senior Honors Course

CHEMISTRY (Div. III)

Chairman, Professor James R. Curry

Professor Curry, Assistant Professor Compton, Assistant Professor Taylor,
Assistant Professor Aspinall, Mr. Young, Mr. Desch, Mr. Sutherland,
Mr. Bianco, Mr. Peper

Major — Sequence courses: Either Chemistry 1-2, (1a-2a), 3-4, 7-8 or Chemistry 3-4, 7-8, and 9-10. Parallel courses: (a) Chemistry 5-6; (b) Chemistry 9-10, or, with the consent of the department, one of the correlation courses. Correlation courses: Biology 1-2, 5-6; Geology 1-2, 3-4; Mathematics 3-4, 5-6; Physics 1-2, (1a-2a), or higher.

The chemistry major furnishes a field of concentration for students interested in extending their knowledge of the methods and content of the science as part of a liberal college education. The courses are organized to provide a foundation in the fundamental fields of chemistry, to develop the applications and relationships of chemistry to the other sciences, and to reveal the role it plays in problems of modern life. The major furnishes adequate preparation for graduate study in pure chemistry, chemical engineering, medicine, and related subjects. It is also useful to those whose later business activities may deal with chemical materials or processes.

The Degree with Honors in Chemistry

Different methods for qualifying for the degree with honors in chemistry are offered students, depending upon their preparation, interests, and objectives.

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Some candidates may profitably pursue an honors course. For others advanced training is provided by conferences, assigned reading, and laboratory work connected with the senior course. The student is directed in either case in the use of the chemical literature, laboratory apparatus, and methods not available in the regular courses. Material is thus obtained for a senior thesis dealing with the study of a special field or, for certain students, with the results of the investigation of an original problem.

1-2 General Chemistry

An introduction to the principles and applications of chemistry with emphasis upon their significance in human affairs. A course designed primarily for those who do not plan to take higher science courses. One of the conference sections, however, will be conducted in such a way that those who do well will be prepared adequately for higher science courses.

Lectures and conferences, three hours a week; laboratory work, three hours a week. Fee, $9 a term and breakage.

Freshman course.

Hour C. Lab sections: Tues., Wed., Thurs. Exam E

Compton

1a-2a General Chemistry

A review of the general principles of elementary chemistry with emphasis on the modern concepts of the structure of matter. Application of these principles to the chemistry of some of the more common elements and compounds. The laboratory work illustrates fundamental principles and is semi-quantitative in nature. This course is especially suitable for eligible students who plan to take further courses in science, although it is open to others.

Lectures and conferences, three hours a week; laboratory work, three hours a week. Fee, $9 a term and breakage.

Freshman course. Prerequisite, admission credit in Chemistry.

Hour C. Lab sections: Mon., Tues., Wed., Thurs. Exam E. Curry, Aspinal

3-4 Principles of Chemistry

The fundamental principles of theoretical chemistry including a study of reactions in solution. Laboratory work in qualitative analysis and physico-chemical measurements.

Lectures and conferences, three hours a week; laboratory work, four hours a week. Fee, $9 a term and breakage.

Sophomore course. Prerequisite, Chemistry 1-2 or 1a-2a.

Hour B. Lab sections: Tues., Wed., Thurs. Exam T. Taylor, Young
CLASSICS

5-6 Analytical Chemistry
Study of the theory of analytical chemistry combined with the quantitative determination and separation of the more common chemical elements in the laboratory. Volumetric and gravimetric methods. Special topics.
Lectures, three hours a week; laboratory work, four hours a week. Fee, $9 a term and breakage.
Junior course. Prerequisite, Chemistry 1-2 or 1a-2a.
Hour M. Lab sections: Mon., Wed. Exam K.

7-8 Organic Chemistry
A systematic study of the compounds of carbon with coordinated laboratory work on organic reactions, preparations and qualitative analysis. Fee, $9 a term and breakage.
Junior course. Prerequisite, Chemistry 3-4, or 5-6 with the consent of the department.
Hour J. Lab sections: Mon. and Thurs. Exam D.

9-10 Advanced Chemistry
An extension and coordination of the earlier courses in chemistry. Individual and group instruction in special fields such as electro-chemistry, thermodynamics, equilibria, reaction velocity, the structure of matter, theories of valence, theoretical organic chemistry, topics in organic biochemistry. Fee, $9 a term and breakage.
Senior course. Prerequisite, Chemistry 3-4 and 5-6 and 1 year of calculus. Students taking this course must have taken or be taking Chemistry 7-8. (Double credit course).
Hour L. Lab section: Wed. Exam F.

101-102 Junior Honors Course

103-104 Senior Honors Course

CLASSICS (Div. I)
Chairman, Professor G. M. Harper, Jr.
Professor Harper, Associate Professor Avery

Major — The Classics major may take either of the following forms:
(A) For those whose primary interest is Greek. Sequence courses: Either Greek 3-4, 5-6, 19-20 or Greek 5-6, 7-8 or 11-12, 19-20. Parallel courses: (a) History 11-12 or a course in Latin; (b) Greek 7-8, 9-10, 11-12, or a course in Latin.
Correlation courses: Comparative Literature 1-2; English 10, 11, 5-6; French 9-10; German 5-6, 9-10; Greek 9-10; Philosophy 3-4.

(B) For those whose primary interest is Latin. Sequence courses: Latin 5-6, 7-8 or 9-10, 19-20. Parallel courses: (a) History 11-12 or a course in Greek; (b) Latin 5-6, 7-8, or a course in Greek (including Greek 9-10). Correlation courses: English 10, 11, 5-6; French 9-10; German 5, 6, 9-10; Greek 9-10; Philosophy 3-4.

The courses in each of the departmental sequences, that is in Greek or in Latin, are designed to develop the student's command of the languages, and at the same time to acquaint him with some of the masterpieces of Greek and Latin poetry and prose. The function of the parallel courses in the Greek and Latin languages is similar. The courses Greek 9-10 and History 11-12 are designed to give the student a broader view of classical literature and of the history of Greece and Rome than is usually possible through the medium of courses in the Greek and Latin languages.

The Degree with Honors in Classics

The candidate will be held responsible in the final examination for essentially the same body of knowledge as the student simply majoring in Classics. He will, however, be allowed greater freedom in the method by which he prepares for this examination. Moreover, he will carry on supervised individual work in some field, literary, historical, linguistic, or philosophical, chosen by himself and approved by the department. Furthermore, the candidate will be required to submit a thesis before the close of his senior year attesting his critical and constructive ability in his chosen field.

CLASSICAL CIVILIZATION (Div. II)

1-2 Classical Civilization

A historical survey of the cultural achievements of Greece and Rome, with special attention to the meaning and value of their contribution to the modern world.

Lectures, assigned readings, and reports.

Freshman course. Sophomores, Juniors, and Seniors admitted only with the consent of the department.

Hour L. Exam F.

GREEK

1-2 Elementary Greek

Elements of the language. Selected readings in Attic prose and, if time permits, in Homer.

Meets four times a week. Hour Arr. Exam Arr.
CLASSICS

3-4 Herodotus and Homer
Selections from Herodotus. Homer. The Phaeacian Episode of the Odyssey and some further selections.
Prerequisite, Greek 1-2 or Admission Greek 3 (or 2 by special permission).
Hour M. Exam Arr.

7 Plato's Republic
Reading of Aeschylus, Sophocles, and Euripides.
Prerequisite, Greek 3-4. Hour Arr. Exam Arr.

9-10 Greek Literature (in English)
The chief masterpieces of Greek literature in English translation: their content and structure. The origin of the various types of poetry and prose, and their influence on later literature. No knowledge of the Greek language required. Lectures and discussion. Assigned reading and reports.
Junior course. Prerequisite, English 1-2. Hour J. Exam D.

101-102 Junior Honors Course
103-104 Senior Honors Course

LATIN

1-2 Elementary Latin
The rudiments of the language, followed by the reading of simple prose.
Hour Arr. Exam Arr.

3-4 Intermediate Latin
Selected reading in prose and poetry together with a review of the language.
Prerequisite, admission Latin 2.
Hour Arr. Exam Arr.

5-6 Selected Readings in Latin Prose and Poetry
In the first semester the chief emphasis will be laid on the comedy and lyric poetry of the Republican period.
In the second semester the literature of the Imperial period will be represented by such authors as Horace, Ovid, Pliny and Tacitus.
Prerequisite, admission Latin 4 or by special permission, admission Latin 3.
Hour C. Exam E.
7-8  LITERATURE OF THE GOLDEN AGE
Extensive readings in Vergil and Livy, and perhaps other authors, to illustrate
the ideals and achievements of the Augustan Age.
Prerequisite, Latin 5-6.
Hour C. Exam Arr.  

9-10  CONTEMPORARY CRITICISM OF IMPERIAL SOCIETY AND GOVERNMENT
The reading will include the historian Tacitus, the biographer Suetonius, and the satirist Juvenal.
Prerequisite, Latin 7-8.
Hour Arr. Exam Arr.  

[19-20  A SURVEY OF CLASSICAL LATIN LITERATURE
Readings in the more important authors as representatives of the various literary types cultivated by the Romans. The influence of Greek models. An estimate of the permanent value of the Roman achievement in literature. Critical investigation of literary problems will be encouraged by individual assignments.
Prerequisite, Latin 9-10
Hour Arr. Exam Arr.  

101-102  JUNIOR HONORS COURSE

103-104  SENIOR HONORS COURSE

COMPARATIVE LITERATURE (Div. I)

1-2  COMPARATIVE LITERATURE: FROM BEOWULF TO DANTE
The chief masterpieces of medieval literature in English translation, with the view of showing the universality of medieval culture, the emergence of national literatures and their influence upon one another, culminating in the greatest expression of medieval thought, Dante’s Divine Comedy.
Junior course. Prerequisite, English 1-2 and a reading knowledge of one foreign language.
Hour M. Exam K.  

GRIMM

DRAMA (Div. I)

1-2  ART OF THE THEATRE
A study of fundamentals in the development of dramatic art in its various departments of production from the beginning to the present time. The class presents two productions for an audience. These productions are designed to
Drama, Economics

Provide opportunity for practical application of the principles studied in reading, lecture and discussion.

Three hours of lecture or discussion and one laboratory hour each week.

Sophomore course. Prerequisite, English 1-2.

Hour D. Exam P.

Bryant, Flanders

3-4 Special Problems in Drama

An opportunity to concentrate, through directed study and practice, on the various phases of theatre art.

Junior course. Prerequisite, Drama 1-2.

Hour Arr. Exam Arr.

Economics (Div. II)

Chairman, Professor W. B. Smith

Professor W. B. Smith, Professor Sweezy*, Professor Brooks, Professor Despres, Associate Professor Morse, Assistant Professor K. Gordon*, Assistant Professor Laursen, Assistant Professor Gass, Assistant Professor Gates**, Assistant Professor Sirken, Assistant Professor Clark, Assistant Professor Martin

Major — Sequence courses: Economics 1-2, 5-6, 19-20. Parallel courses: (a) Economics 3-4; (b) a year-course or two semester-courses in economics. Correlation courses: History 3-4, 5-6, 7-8; Political Science 3-4, 5-6.

The major undertakes to survey the field of economic theory and practice and to provide intensive training in a limited number of fields. After completing the introductory course, all students will make a study of money and income, price policies, and market organization. The student is expected to broaden his knowledge of the subject by electing one or more advanced courses in the department as well as a correlation course. The required senior course develops further and applies the fundamental principles of economics.

The Degree with Honors in Economics

Honors degree candidates must take the departmental sequence of courses and complete the honors course requirements. These requirements include the junior and senior honors courses and individual work under the guidance of members of the department. A thesis will be required of every candidate. This affords the student an opportunity for training in the application of economic principles to specific problems.

*On leave 1949-50.

ECONOMICS

1-2 General Economics

Study of the principles of economics, including such topics as the character and size of the national income and output, commercial banking and the Federal Reserve System, the forms of business organization, business and social accounting, markets and the price-making process, foreign trade and public finance.

Freshman course.

Hours A, B, D, E, J, K, M. Exam M.

Smith, Morse, Laursen, Gates, Sirken, Clark, Martin

3-4 Money and Income

An analysis of (1) the nature of money in the modern economy and of the role of commercial banks and the Federal Reserve banks in our monetary system and (2) the national income, consumption, saving and investment, and the problems of depression and full employment. The influence of government expenditure, taxation and monetary policies on the level of national income, employment, and production. A study of the principles of international finance and of international monetary problems.

Sophomore course. Prerequisite, Economics 1-2.

Hours A, C, D, M. Exam M.

Despres, Morse, Sirken, Clark

5-6 Price Policies and Market Organization

Price and production policies in the modern business enterprise. The theory of monopolistic competition. Examination of types of market organization, price and production practices in various sectors of the American economy. The impact of monopolistic elements on the efficiency of resource allocation and the size and distribution of the national income. Examination and evaluation of the antitrust laws, public regulation of securities markets, and public control policies in agriculture, public utilities, transportation, coal and petroleum, and retail trade.

Junior course. Prerequisite, Economics 1-2.

Hours C, K. Exam G.

Gass, Martin

7 Labor Relations

The organizational policies, structural evolution, strike tactics, administrative methods, leadership problems, economic, political and social objectives, and welfare program of organized labor. Techniques of collective bargaining. Union-management cooperation. Wage policy and theory. The role of government in labor relations. Implications of the labor movement to a democracy.

Junior course. Prerequisite, Economics 1-2 and one of the following: Political Science 1-2, History 3-4, or Psychology 1-2.

Hour B. Exam T.

Brooks, Gates
ECONOMICS

8 ECONOMICS OF WELFARE

Governmental welfare functions. Unemployment, old age, accident and health insurance, the housing problem, urban redevelopment, federal aid to education, farm security measures.

*Junior course.* Prerequisite, Economics 1-2 and 3-4.

Hour B. Exam T.  

*Brooks*

9 ELEMENTARY ACCOUNTING

An introduction to accounting principles; the development, structure, analysis and interpretation of balance sheets and income statements; the principles of valuation of assets, depreciation, determination of costs and profits; the characteristics of surplus and reserves accounts, etc.; the derivation of basic economic concepts from accounting records; the use of accounting concepts and data in economic analysis.

*Junior course.* Prerequisite, Economics 1-2

Hour J. Exam D.  

*Gass, Martin*

10 ECONOMIC STATISTICS

An introduction to economic statistics; the sources, methods of compilation, and characteristics of selected bodies of statistical data in the fields of production, finance, trade, employment, national income, etc.; the tools of elementary statistical analysis — tabular and graphic presentation, averages, index numbers, measures of secular trend and seasonal variation, coefficients of correlation, etc.; the use and limitations of statistics and statistical processes in the analysis of economic problems.

*Junior course.* Prerequisite, Economics 1-2.

Hour J. Exam D.  

*Martin*

12 PUBLIC FINANCE AND FISCAL POLICY

A study of the principles of public finance. Special attention to the fiscal policy of the United States government and its bearing on currency, banking, production, employment and the business cycle.

*Junior course.* Prerequisite, Economics 3-4.

Hour M, Mon., Wed. Conf. M, Fri. Exam K.  

*Laursen*

13 INTERNATIONAL TRADE AND FINANCE

A study of international monetary arrangements, foreign exchanges and exchange control, capital movements, the theory of international trade and price relationships, and foreign economic policy.

*Junior course.* Prerequisite, Economics 3-4.

Hours D, M. Exam K.  

*Laursen, Sirken*
14 American Economic History

Selected problems in the economic history of the United States. Special attention to the rise of the American standard of living, the role of government in economic life, the monopoly problem, the changing character of American business cycles, the development of the organized labor movement, and the conditions for economic progress. Current economic theory will be used to obtain historical insights.

Junior course. Prerequisites, Economics 1-2 and History 3-4.
Hour D. Exam P.

19-20 Economic Theory, Problems, and Policy

Selected problems in economics.
Senior course. Required course in the major. Prerequisite, Economics 3-4 and 5-6.
Hours 1-2.30 Mon., Wed.; 2-3.30 Tues., Thurs. Exam I.

101-102 Junior Honors Course
103-104 Senior Honors Course

ENGLISH (Div. I)

Chairman, Professor R. J. Allen

Professor Bushnell*, Professor Allen, Associate Professor Lamson, Assistant Professor Stocking, Assistant Professor O'Neill, Mr. Barstow, Mr. Mason, Mr. Rose, Mr. Buttel, Mr. Ludwig, Mr. Stanton, Mr. Strout, Mr. Lynch**, Mr. Humphrey†

Major — Sequence courses: English 1-2, 5-6, 19-20. Parallel courses: (a) English 3-4, (b) two semester courses in English. Correlation courses: Art 11-12 (former Art 5-6); Comparative Literature 1-2; Drama 1-2; French 7-8 or 9-10; German 7-8 or 9-10; Greek 9-10; History 5-6.

The basic purpose of the English major is to offer an introduction to the broad field of English and American literature in its several aspects: human, social, biographical, and aesthetic. Through a planned study, historical and critical, the major aims to enable the student to integrate these several aspects, to relate them to parallel developments in other subjects, and to become conscious of literature as one of the most important expressions of the life of the race. The completed major lays a foundation for general knowledge and culture.

*On leave 1949-50.
**First Semester 1949-50
†Second Semester 1949-50
ENGLISH, ENGLISH LITERATURE

The Degree with Honors in English

This degree is designed to appeal to students who desire independent study in fields of their own choice. Its aim is to give the freest scope to intelligence and capacity. The comprehensive character of the subject makes possible a wide range of choice. The candidate carries only those courses required for the major examination, and substitutes for the elective courses two years of independent study, culminating in a senior thesis. The type of the thesis is limited only by insistence upon critical or constructive ability in some accepted field. Group training in methods is followed by preparation of the thesis, which may begin in the junior year and must be completed a month before the beginning of the examination period in the senior year.

ENGLISH LITERATURE

1-2 Analytical and Critical Study of Poetry, Fiction, and Drama

An introduction to the study of literature. The purpose of this course is to teach the student to read intelligently and develop a critical capacity. It is arranged by literary types: poetry, fiction, and drama. The arrangement within each type is from relatively simple examples to increasingly difficult and complicated ones.

Weekly written work, furnishing constant practice in English composition, based on class assignments and collateral reading.

Freshman course.

Hours A, B, C, D, E, J, K, L, M. Exam C. Stocking, Hunt, O'Neill, Barstow, Mason, Rose, BUTTEL, Ludwig, Stanton, Strout

3-4 Masters of English Literature

A critical reading of important works by the major writers in English literature from Shakespeare to the present day, with attention to the historical background. In each semester some four or five authors will be studied, and representative works of each will be read in their entirety.

Sophomore course. Prerequisite, English 1-2.

Hours A, B, C, D, J, K, L, M. Exam J. Hunt, O'Neill, Barstow, Mason, Rose, BUTTEL, Ludwig, Stanton, Humphrey

5-6 English Literature, 1600-1798

First semester: Critical and historical study of the drama, poetry, and prose of the seventeenth century.

Second semester: Critical and historical study of the drama, poetry and prose of the eighteenth century.

Junior course. Prerequisite, English 1-2.

Hours D, K. Exam C. First semester: Lamson, Hunt. Second semester: O'Neill
ENGLISH LITERATURE

7 AMERICAN LITERATURE: FRANKLIN TO WHITMAN
A study of major works of the chief figures of American literature before the Civil War with emphasis on the writers as interpreters of American life.
Junior course. Prerequisite, English 1-2.
Hours D, M. Exam N.

MANSFIELD

8 CONTEMPORARY AMERICAN LITERATURE
A study of works by the principal writers in America since the Civil War, stressing the development of the novel.
Junior course. Prerequisite, English 1-2.
Hours D, M. Exam N.

MANSFIELD, STROUT

9 CRITICISM
A study of major critical theorists from Mathew Arnold to the present day, including T. S. Eliot, I. A. Richards, Yvor Winters, and John Crowe Ransom. Exercises in practical applications of critical theories.
Junior course. Prerequisite, English 1-2.
Hour L. Exam F.

STOCKING

11 MODERN DRAMA
A study of representative dramatic works (Continental, British, and American) from Ibsen to the present day.
Junior course. Prerequisite, English 1-2.
Hour A. Exam R.

ALLEN

12 MODERN BRITISH AND AMERICAN POETRY
A critical study of contemporary poetry, with special emphasis on Eliot and Yeats.
Junior course. Prerequisite, English 1-2.
Hour A. Exam R.

HUNT

[13 THE ENGLISH NOVEL: RICHARDSON TO MEREDITH
Prose fiction from Samuel Richardson to George Meredith. Reading and analysis of the more important novels of this period. Lectures and discussions.
Junior course. Prerequisite, English 1-2.
Hour L. Exam F.

14 THE ENGLISH NOVEL: HARDY TO THE PRESENT DAY
Reading of a representative work of each of the principal novelists. Lectures on the Victorian and continental influences and on the contemporary social, psychological, and literary background.
**ENGLISH LITERATURE, ENGLISH COMPOSITION**

*Junior course.*  Prerequisite, English 1-2.  
Hour L.  Exam F.  Stocking and members of the department.

15 **CHAUCER**  
Reading in the works of Chaucer with emphasis on the Canterbury Tales and Troilus and Criseyde.  
*Junior course.*  Prerequisite, English 3-4.  
Hour C.  Exam E.  Allen

16 **SHAKESPEARE**  
Reading in the principal works of Shakespeare, with reference to the intellectual, historical, and social backgrounds of the Renaissance.  
*Junior course.*  Prerequisite, English 3-4.  
Hour C.  Exam E.  Lamson

19-20 **ENGLISH LITERATURE, 1798 TO THE PRESENT DAY**  
A critical study of the literature of the nineteenth and twentieth centuries. Review of the sequence courses. Exercises in coordination.  
This course is designed to serve two purposes: (1) complete the study of English literature by continuing that study through the Victorian period and into contemporary literature; (2) provide ample and suitable material for coordination with earlier English courses in preparation for the major examination.  
*Senior course.*  Required course in the major.  Prerequisite, English 3-4 and 5-6.  
Hours 1.30-3 Mon., Wed.; 1.30-3 Tues., Thurs.  Exam I.  Allen, Lamson

101-102 **JUNIOR HONORS COURSE**

103-104 **SENIOR HONORS COURSE**

**ENGLISH COMPOSITION**

1A-2A **SPECIAL COURSE IN WRITING**  
Constant practice in writing for a small group working in various forms of composition. Particular stress placed on creative work.  
Admission to this course is with the consent of the department. A student who elects this course must obtain a recommendation from his school, submit a promising piece of writing, and achieve a high grade on the placement test given all freshmen.  
*Freshman course.*  Open to sophomores with permission of the department.  
Hour F.  No Exam  Rose

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ENGLISH LITERATURE, GEOLOGY AND MINERALOGY

3 Advanced Composition
Writing and class criticism of weekly papers. Specific assignments in widely varied materials and methods of writing. Revision and rewriting.

Registration in this course is limited. Admission is by the consent of the department. A student wishing to elect it must, at the time of registration, submit a paper for the consideration of the department.

Junior course. Prerequisite, English 1-2.
Hour Arr. No Exam

4 Advanced Composition
A large project planned by the student in consultation with the instructor and written in weekly installments, or a series of articles or stories written without specific assignments from the instructor. Class criticism and revision.

Junior course. Prerequisite, English 1-2.
Hour Arr. No Exam

5 Advanced Composition
Similar to English Composition 3 but more advanced.
Registration in this course is limited. Admission is by the consent of the department.

Senior course. Prerequisite, English Composition 3 or 4.
Hour Arr. No Exam

6 Advanced Composition
Similar to English Composition 3, 4 but more advanced.

Senior course. Prerequisite, English Composition 3 or 4.
Hour Arr. No Exam

FRENCH (Div. I)
(For description of courses see under Romanic Languages)

GEOLOGY AND MINERALOGY (Div. III)

Chairman, Professor E. L. Perry
Professor Perry, Associate Professor Foote, Mr. Alexander

Major - Sequence courses: Geology 1-2, 5, 6, 19-20. Parallel courses: (a) Geology 7, 8, (b) any two semester courses in Geology. Correlation courses: Biology 1-2 (1a-2a), 3-4, 5-6; Mathematics 1-2 (1a-2a), 3-4, 13-14; Physics 1-2 (1a-2a), 5-6, 7-8; Chemistry 1-2 (1a-2a) or higher.

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GEOLOGY AND MINERALOGY

The courses in the geology major are organized in such a way as to furnish: (a) a foundation for more advanced work leading to a professional career in geology; (b) a background for work in some fields of commercial activity, such as the marketing of coal, petroleum, and metals; (c) a background for the appreciation of man’s evolution, heritage, and physical environment, as part of a liberal education.

Chemistry is required and physics is recommended as preparation for the junior and senior courses in the departmental sequence. Students who plan to pursue graduate work in geology should consult with members of the department in order to plan a program of courses in the allied sciences necessary for the branch of geology in which they intend to specialize.

THE DEGREE WITH HONORS IN GEOLOGY

The work for the degree with honors substitutes one year of special, supervised study for two one-semester electives. This year of special study in the senior year consists of the preparation of a thesis involving intensive investigation of one of a variety of geological problems. The student will not be permitted, however, to overspecialize at the expense of a sound knowledge of the fundamentals of the science as a whole.

1-2 GENERAL GEOLOGY

First semester: (a) Physical geology, dealing with the forces that have shaped and are shaping the earth’s surface. The effects of weathering, streams, glaciers, volcanoes, and earthquakes. (b) Structural geology, dealing with the structure of the earth’s crust and the more important rocks and minerals. The origin and occurrence of ores.

Second semester: Historical geology, dealing with the animals of the past and their fossil remains, particularly with regard to their bearing on the theory of evolution; the changes in their structure and habits, and, as far as possible, the causes of these changes. A textbook and supplementary lectures illustrated by fossils and casts in the museum and lantern slides of restorations.

Three lectures and one conference a week. Fee, $2.50 a term.

Sophomore course.

Hours D, J. Exam B.

Perry, Foote, Alexander

3-4 ECONOMIC GEOLOGY

The geology and geography of the important mineral raw materials such as coal, petroleum, building materials, gems, iron, manganese, gold, and the problems connected with soils, soil erosion, floods, water supply, etc. Applications of the study of mineral resources to the social sciences are indicated.

Junior course. Prerequisite, Geology 1-2.

Hour M. Exam K.

Perry
5 Structural Geology
Analysis of geologic structures including faults, joints, folds, and secondary foliation. Reading and interpretation of topographic and geologic maps. Elementary cartography and the use of the planetable and telescopic alidade. Laboratory, two hours a week. Fee, $5.

Junior course. Prerequisite Geology 1-2.
Hour B. Exam T.

Perry

6 Mineralogy
Elementary crystallography and mineralogy; the development of crystal forms; sight identification, origin, and distribution of common rock-forming and ore minerals; blowpipe analysis. Laboratory, two hours a week. Fee, $5.

Junior course. Prerequisite, Geology 1-2. Students taking Geology 6 must have taken or be taking Chemistry 1-2.
Hour B. Exam T.

Foote

7 Paleontology
An introduction to the morphology, classification, and evolution of fossil invertebrates and plants, a survey of their distribution in the various geologic periods, and their use in the determination of geologic history. Two hours of lecture and two hours of laboratory a week. Fee, $2.50.

Junior course. Prerequisite, Geology 1-2.
Hour K. Exam L.

Alexander

8 Stratigraphy
An introduction to the classification and correlation of sedimentary rock units, the general problem of paleographic studies, the environments of deposition, and the study of several areas to illustrate these principles. A field study is made of the Paleozoic sequence of the Helderberg region of New York and the Triassic sequence of the northern Connecticut Valley. Fee, $2.50.

Junior course. Prerequisite, Geology 7.
Hour K. Exam L.

Alexander

9 Petrology
Petrology; the origin, emplacement and crystallization of magmas; the classification and identification of igneous rocks; the relationship between ore deposits and vulcanism; the principles of metamorphism and the identification of metamorphic rocks; the use of the petrographic microscope. Laboratory, two hours a week. Fee, $5.

Senior course. Prerequisite, Geology 1-2.
Hour C. Exam E.
12 Petroleum Geology

A study of the petroleum industry with particular emphasis on the geological principles and problems involved in the finding and developing of oil fields. Specific topics covered are: structural geology, sedimentation and stratigraphy as applied to a study of “traps,” migration of petroleum, well logging, elementary geophysics, and geology as applied to production problems. Fee, $3.

Junior course. Prerequisite, Geology 3 or 5. Hour C. Exam E.

19-20 Regional Geology

A comparative study of selected natural regions of the world emphasizing the coordination of all phases of geology. Particular attention is devoted to (1) the shield and table areas of the world, (2) the Paleozoic mountains of North America and Northwestern Europe, and (3) problems of the Alpine and Rocky Mountain regions.

Senior course. Required course in the major. Prerequisite, Geology 3-4 as of 1948-49. Hour L. Exam J.

103-104 Senior Honors Course

GERMAN (Div. I)

Chairman, Professor W. H. Root*

Professor Long, Professor Root*, Assistant Professor Goodell, Mr. Chisholm**

Major — Sequence courses: German 5-6, 7-8, 19-20, or German 7-8, 9-10, 19-20. In special cases and with departmental permission German 3-4 may be offered as a first sequence course. Parallel courses: (a) German 5-6 or higher.

*On leave first semester 1949-50.
**On leave second semester 1949-50.
(b) a year course in German literature or one of the correlation courses. Cor-
relations courses: Comparative Literature 1-2, English 3-4, 5-6; Art 3, 4, 11-12
(former Art 5-6); French 7-8 or higher; Greek 9-10; Music 5-6, 9-10; Philoso-
phy 3-4.

The courses required in the departmental sequence and the first parallel
course are designed to acquaint the student with representative writers and the
most important literary tendencies from medieval to modern times. The
second parallel course and the correlation course, both elective, enable the
student to extend his knowledge of German literature and of related fields.
Relations between the various periods and with other literatures are emphasized
throughout, but the greater part of the major examination is based upon the
development of the literature since the beginning of the eighteenth century.

THE DEGREE WITH HONORS IN GERMAN

The candidate may substitute for the elective courses two years of individual
study in some field of special appeal to him with the approval and direction of
the department. He may wish, for example, to devote his time to the study of
some particular type of literature, or to the investigation of various problems in
comparative literature. A thesis on some subject of unusual interest to the
student must give evidence of independent judgment and critical ability. The
specific object of the degree is to give training in critical method and to develop
a deeper understanding and appreciation of literary values, whether or not this
leads to graduate study.

1-2 ELEMENTARY GERMAN

Grammar, composition, and reading of easy prose. Introduction to the oral
use of the language.

Hours A, C. Exam H. Root, Goodell, Chisholm

1A-2A ELEMENTARY GERMAN (No previous knowledge of German required.)

Content as in German 1-2. Six hours a week: three regular class hours and
three hours of special training. Assignments proportionally reduced by the
training sessions.

Hours J, and O, Tu., F, Wed., and F, Fri. Exam H. Root, Goodell, Chisholm

3-4 INTERMEDIATE GERMAN

First semester: Reading of modern prose.
Second semester: Reading and interpretation of one or more representative
classical works. Optional collateral reading in scientific German.

Prerequisite, German 1-2 or admission German 2.

Hours B, J, K. Exam H. Long, Root, Goodell, Chisholm
GERMAN

5-6  INTRODUCTION TO GERMAN LITERATURE
    Study of the works of representative writers and of the most important phases
    in the development of German literature of the eighteenth, nineteenth and
    twentieth centuries. Collateral reading and discussion.
    Prerequisite, German 3-4 or admission German 3 or 4.
    Hour D.  Exam P.

7-8  THE NOVEL AND SHORT STORY
    The development of prose literature of the nineteenth century, especially the
    novel. Lectures and written reports.
    Prerequisite, German 3-4.
    Hour L.  Exam J.

9-10  GOETHE
    A study of Goethe’s representative writings and of his life and personality in
    relation to civilization in the eighteenth and nineteenth centuries.
    First semester: Goethe’s poems and dramatic and prose works.
    Second semester: Faust and kindred dramas in European literature. Lectures,
    collateral reading, and reports.
    Junior course.  Prerequisite, German 5-6.
    Hour C.  Exam E.

11-12  THE DRAMA AND LYRIC
    Study of the German drama and lyric from the end of the romantic movement
    to the present time. Reports and discussions.
    Prerequisite, either German 7-8 or 9-10.
    Hour Arr.  Exam Arr.

19-20  STUDIES IN GERMAN LITERATURE
    Study of important types and of the principal tendencies in the development
    of German literature from the medieval period through the romantic move-
GREEK (Div. I)
(For description of courses see under Classics)

HISTORY (Div. II)

Chairman, Professor C. R. Keller

President BAXTER, Professor NEWHALL, Professor HARPER, Professor KELLER,
Professor JOHNSON, Associate Professor MANSFIELD, Associate Professor SCOTT,
Assistant Professor WAITE, Mr. BASTERT, Mr. SEDELOW, Mr. CURTIS*

MAJOR — Sequence courses: History 1-2 (1a-2a), 5-6, 19-20. Parallel courses:
(a) History 3-4; (b) a year-course or two semester courses in history. Correlation courses:
Economics 7-8 if taken 1948-49, Economics 7, 14 beginning September 1949; Philosophy 5-6; Political Science 3-4.

The aim of the major is primarily to give a student an understanding of the history of the world in which he lives. Three main fields of history, modern Europe, modern England, and the United States, are covered by the first two courses in the departmental sequence and the first parallel course. Their interrelations are constantly considered in the major, and similarities and contrasts are specifically emphasized in the final sequence course. The second parallel course, which may be in ancient history, medieval history, recent European history, American diplomatic history, or American domestic problems, may be used either to intensify or to broaden the student’s knowledge. The correlation course in economics, political science, or political philosophy serves to throw further light on the history studied.

THE DEGREE WITH HONORS IN HISTORY

In the honors courses, which may be substituted for the second parallel course and the correlation course in the major, qualified students are given an opportunity to do independent work in a particular field of history. At the beginning of junior year the honors candidates receive training in the methods of handling historical material, framing valid judgments, and preparing papers. No later than the beginning of the second semester of junior year the students start their independent work with each man working in a selected field under the direction of a member of the department. The final objective is the preparation of a senior thesis.

Wide variety is possible in the choice of a field for independent study and in the selection of a thesis subject. The training in honors courses, while suitable as a preparation for graduate school, will be useful in any career.

*Second Semester 1949-50.
HISTORY

1-2 MODERN EUROPEAN HISTORY

A study of the development of Europe from the fifteenth century to the present day, with selected readings in a textbook and in documents, two or three outside reading books each semester, and weekly lectures.

Particular attention is given to the method of study and the use of materials by the student.

Freshman course.


NEWHALL, JOHNSON, WAITE, BASTERT, SEDELow

1A-2A EUROPEAN IDEAS AND INSTITUTIONS SINCE THE MIDDLE AGES

A topical approach to the history of Europe from the Middle Ages to the twentieth century, based upon the Columbia University Chapters in Western Civilization, and upon the Yale University Select Problems in Historical Interpretation used as contemporary source material. There are occasional lectures and at least one outside reading book each semester. The emphasis is on the history of ideas and institutions against a background of political history.

This course is planned primarily for students who have completed a year course in European history in school.

Freshman course.

Hours D, L. Exam Q.

JOHNSON, WAITE, SEDELow, CURTIS

3-4 CONFLICTS AND PROBLEMS IN AMERICAN HISTORY (1763-1950)

A study of American development, with emphasis on the growth of democratic institutions, the evolution from an agrarian to an industrial society, the relation of the United States with the world, and on the emergence of the United States as a leading world power in the twentieth century. The aim of the course is to study American history in such a way as to encourage intelligent and effective living in a critical period for the United States and for the world.

The work of the first semester is a study of a series of basic conflicts in American history from 1763 to 1877; the work of the second semester is primarily an analysis of a series of problems created by the rise of the United States as an industrial and world power from 1877 to the present.

The reading in the course consists primarily of biographies, period studies, novels, and documentary material.

Sophomore course. Prerequisite, History 1-2 or 1a-2a.

Hours B, J. Exam Q.

KELLER, SCOTT, BASTERT, STROUT

5-6 ENGLAND AND THE BRITISH EMPIRE

The political development of England in relation to the social and economic background, with emphasis upon the work of individual politicians. The
evolution of parliamentary government and the achievement of colonial and commercial supremacy.

The gradual democratizing of English political life, the handling of social problems arising from industrialization, and the formation of the British Commonwealth.

**Junior course.** Prerequisite, History 1-2 or 1a-2a.

**Hours B, J. Exam O.**

*First semester: Baxter, Newhall, Waite*

*Second semester: Curtis*

### 7-8 Advanced European History

An intensive study of European and world affairs since 1870, particularly in regard to international relations. Particular effort is made to emphasize the complexities of politics. Some attention is given to the general principles of international politics and law. Assigned reading, lectures, discussions, frequent written tests, special reports, and collateral reading.

**Junior course.** Prerequisite, History 1-2 or 1a-2a.

**Hour K. Exam L.**

### 9-10 History of American Foreign Policy

The development of American foreign policy since 1775, with an analysis of the forces behind that development and of the consequences not only for the United States but also for the rest of the world. Emphasis is placed upon the role of public opinion, and consideration is given to constitutional questions and to the influence of the United States on the development of international law.

**Junior course.** Prerequisite, History 3-4.

**Hour C. Exam E.**

### 11-12 Greek and Roman History

**First semester:** The political, social, economic, and cultural history of the Greek world from the Minoan period to the Roman conquest, with special emphasis on Fifth Century Athens and the Age of Alexander.

**Second semester:** A similar treatment of the Roman world from the earliest times through the reign of Diocletian, with special emphasis on the period from the Gracchi through the principate of Augustus.

Lectures and discussion. Consultation of the ancient sources in translation. Semester essays.

Special instruction, if desired, for students interested in original investigation.

**Junior course.** Prerequisite, History 1-2 or 1a-2a.

**Hour M. Exam K.**
HISTORY

[13-14 Medieval Civilization

The cultural, institutional, economic, and political development of Europe and the Mediterranean basin from the decline of the Roman Empire to the Renaissance. The rise of the papacy, monasticism, origins and nature of feudalism, serfdom and the manorial system, the ideal of the Holy Roman Empire, Islam and the califate, the crusading movement, etc. Extensive reading in the historical literature of the subject, and where possible, consultation of the sources in translation.

Senior course. Prerequisite, History 5-6, 7-8, or 11-12. Exam P.

15 Studies in American Liberal and Reform Movements

Analysis and critique of the basic principles of American liberalism and of the causes and nature of reform movements. A study of the reform movements in the pre-Civil War period and of the Progressive movement in the early twentieth century.

The course is organized on a seminar basis with frequent oral reports by students on assigned topics.

Junior course. Prerequisite, History 3-4.

Hours A, K, L. Exam Q.

Keller, Scott

16 Studies in American Postwar Periods

A study of the political, economic, social, and intellectual characteristics of postwar periods in the United States. The major emphasis is upon the periods after the Civil War and World War I, and upon comparisons with post-World War II problems.

The course is organized on a seminar basis with frequent oral reports by students on assigned topics.

Junior course. Prerequisite, History 3-4.

Hours A, K. Exam Q.

Keller, Scott

18 The United Nations

Historical and critical examination of the fundamental problems of international organization, as revealed in the origins, establishment, and first years of the United Nations. Considerable attention is given to the League of Nations, as the outstanding previous effort to organize international cooperation, and to the influence of the League experience upon the United Nations. Selected issues encountered by the United Nations in the first years of its existence are examined in detail.

Junior course. Prerequisite, History 1-2 or 1a-2a and either History 3-4, 7-8, or Political Science 3-4. (Students who took Political Science 3 in 1947-48 are not eligible to elect this course).

Hour L. Exam F.

Johnson
HISTORY, AMERICAN HISTORY AND LITERATURE

19-20 Social Change: Types of Revolutionary and Evolutionary Transformation

This course is intended to offer an opportunity for students to coordinate European, English, and American history, and the correlation courses in the major. One semester deals with two revolutionary upheavals, the French and the Russian. The other semester deals with the English reform movements of the twentieth century and with the New Deal in the United States.

Senior course. Required course in the major. Prerequisite, History 3-4 and 5-6.

Hours 1-2.30 Mon., Wed.; 1-2.30 Tues., Thurs. Exam I. Newhall, Johnson

101-102 Junior Honors Course

103-104 Senior Honors Course

HISTORY AND LITERATURE

AMERICAN HISTORY AND LITERATURE

Major — Sequence courses: History 3-4; English 7, 8; American History and Literature 19-20. Parallel courses: (a) History 15, 16 or Philosophy 7, 8. (b) Art 4, 10; Economics 7-8 if taken 1948-49, Economics 7, 14 beginning September 1949; any two semesters of English 11, 13, 14; History 9-10; History 15, 16; Philosophy 7, 8; Political Science 5-6. Correlation courses: same as the (b) parallel courses.

The major aims to give students an understanding of American life, past and present. Through required courses in American history and American literature, and through electives in art, economics, English literature, history, philosophy and constitutional development, students are given an opportunity to study American civilization and to make all possible comparisons with other cultures. It is the function of the final sequence course to tie together various aspects of American life and thought.

Degree with Honors in American History and Literature

This degree is designed to encourage qualified students to carry on individual study of some selected aspect of American life. Candidates for the degree with honors, who may substitute honors courses for the second parallel course and the correlation course in the major, begin their work with a group exercise. This has as its purpose the training of students for independent study, in which each student works on his individual project under the direction of a member of the department. Individual work starts no later than the beginning of the second semester of junior year and culminates in the writing of a senior thesis.
AMERICAN HISTORY AND LITERATURE

History 3-4 American History (1763-1950)
Sophomore course. Prerequisite, History 1-2 or 1a-2a.
Hours B, J. Exam Q. Keller, Scott, Bastert, Strout

English 7 American Literature: Franklin to Whitman
Students whose primary interest is American literature and who intend to
be candidates for the degree with honors in American History and Literature
should take English 7 and 8 in sophomore year.
Junior course. Prerequisite, English 1-2.
Hours D, M. Exam N. Mansfield

English 8 Contemporary American Literature
Junior course. Prerequisite, English 1-2.
Hours D, M. Exam N. Mansfield, Strout

History 15 Studies in American Liberal and Reform Movements
Junior course. Prerequisite, History 3-4.
Hours A, K, L. Exam Q. Keller, Scott

History 16 Studies in Postwar Periods
Junior course. Prerequisite, History 3-4.
Hours A, K. Exam Q. Keller, Scott

Philosophy 7 The Philosophy of History
Junior course. Prerequisite, Philosophy 1-2 and a course in History.
Hour B. Exam T. Miller

Philosophy 8 American Philosophy
Junior course. Prerequisite, Philosophy 1-2.
Hour B. Exam T. Miller

Art 4 Modern Architecture
Junior course. Prerequisite, Art 1-2.
Hour C. Exam E. Stoddard

[Art 10 American Art
Junior course. Prerequisite, Art 1-2.
Hour D. Exam P. Pierson]
ECONOMICS 7 LABOR RELATIONS
  Junior course. Prerequisite, Economics 1-2 and one of the following: Political Science 1-2, History 3-4, or Psychology 1-2.
  Hour B. Exam T.  Brooks, Gates

ECONOMICS 14 AMERICAN ECONOMIC HISTORY
  Junior course. Prerequisite, Economics 1-2 and History 3-4.
  Hour D. Exam P.  Smith

ENGLISH 11 MODERN DRAMA
  Junior course. Prerequisite, English 1-2.
  Hour A. Exam R.  Allen

[ENGLISH 13 THE ENGLISH NOVEL: RICHARDSON TO MEREDITH
  Junior course. Prerequisite, English 1-2.
  Hour L. Exam F.  ]

ENGLISH 14 THE ENGLISH NOVEL: HARDY TO THE PRESENT DAY
  Junior course. Prerequisite, English 1-2.
  Hour L. Exam F.  Smith

HISTORY 9-10 HISTORY OF AMERICAN FOREIGN POLICY
  Junior course. Prerequisite, History 3-4.
  Hour C. Exam E.  Johnson

POLITICAL SCIENCE 5-6 AMERICAN CONSTITUTIONAL DEVELOPMENT
  Junior course. Prerequisite, Political Science 1-2.
  Hour M. Exam K.  Rockwell, Evans

19-20 AMERICAN HISTORY AND LITERATURE — CHANGING FACTORS IN AMERICAN LIFE AND THOUGHT
  A study of the genesis and development of attitudes and conditions in twentieth century American life, stressing the changes in the national culture brought about by the advance in Science and the Industrial Revolution. Selected contemporaneous essays, treatises, novels, and plays, which present the issues as they appeared to the people at the time.
  Senior course. Required course in the major. Prerequisites, History 3-4 and English 7, 8.
  Hours 1-2.30 Mon., Wed. Exam I.  Keller, Mansfield

101-102 JUNIOR HONORS COURSE

103-104 SENIOR HONORS COURSE
HISTORY AND METHOD OF SCIENCE, MATHEMATICS

HISTORY AND METHOD OF SCIENCE (Div. III)

1-2 History and Method of Science

The life and work of the leaders in the development of mathematics, astronomy, physics, and chemistry. Discussion of intellectual and social implications. Two lectures and one discussion period a week; assigned reading and written reports.

Freshman course. Limited to seventy.

Hour M. Exam I.

LATIN (Div. I)

(For description of courses see under Classics)

MATHEMATICS (Div. III)

Chairman, Professor D. E. Richmond

Professor Agard*, Professor Richmond, Professor Wells*, Assistant Professor Jordan, Assistant Professor C. Gordon, Mr. Klein, Mr. Mead

Major — Sequence courses: Mathematics 1a-2a (or 1-2), 3-4, 5-6, 9-10. Parallel course: Mathematics 7-8. Correlation courses: Physics 5-6 or higher; Statistics 1-2; Philosophy 11, 12.

The departmental sequence gives the student an understanding of the principles and processes of the calculus and their applications to physical and geometric problems. The parallel course continues his study of algebra and geometry. The major examination will be concerned principally with these courses. The major aims to develop the student's mathematical power and insight and to prepare him to appreciate the place of mathematics in the modern world.

In the full major, the correlation courses will furnish opportunities to use mathematics in other fields.

The Degree with Honors in Mathematics

The candidate for this degree carries the departmental sequence and the parallel course. He substitutes for the correlation courses one or two consecutive years of individual work suited to the student's interest and aptitude, under the direction of a member of the department. This work culminates in a senior thesis. The department is prepared to direct work in actuarial mathematics, analysis, geometry, algebra, statistics, mathematical physics, and

*On leave 1949-50.
MATHEMATICS

While the thesis need not contribute to the existing knowledge of mathematics, it will require the exercise of individual initiative. This degree should be taken by students who intend to pursue graduate study in mathematics and by those who enjoy independent work.

1-2 TRIGONOMETRY AND ELEMENTARY ANALYSIS

Trigonometry; trigonometric functions, solution of triangles, logarithms.
Elementary analysis; numbers, functions and graphs, derivatives, integration, logarithmic and exponential functions, complex numbers and the trigonometric functions, analytic geometry of the conics.

Freshman course. Hours A, J. Exam S. Richmond, Jordan, Gordon, Klein

1A-2A ELEMENTARY ANALYSIS

Numbers, functions and graphs, derivatives, integration, logarithmic and exponential functions, complex numbers and the trigonometric functions, analytic geometry of the conics.

Freshman course. Prerequisite, admission credit in trigonometry. Hours A, C, D, L, M. Exam S. Richmond, Jordan, Gordon, Klein, Mead

3-4 CALCULUS

Differentiation and integration of algebraic, exponential, logarithmic, and trigonometric functions and applications.
Infinite series, partial differentiation, solid analytic geometry, introduction to differential equations.

Sophomore course. Prerequisite, Mathematics 1-2 or Mathematics 1a-2a. Hours B, C, M. Exam S. Richmond, Jordan, Gordon, Klein, Mead

5-6 ADVANCED CALCULUS

Solution of ordinary differential equations by classical methods, including introduction to solutions by series. Applications to physical problems.
Infinite series, solid analytic geometry, partial differentiation, multiple integration with applications to determination of areas, volumes, center of gravity, and moments of inertia.

Junior course. Prerequisite, Mathematics 4. Hours C, J. Exam S. Jordan, Mead

7-8 ALGEBRA AND GEOMETRY

Algebra; introduction to the fundamental concepts of modern algebra. Abstract characterization of the number system, groups, rings and fields. Determinants and matrices.
MATHEMATICS

Geometry; projective, affine and metric geometries. Synthetic and analytic methods. Introduction to the study of geometry from the standpoint of invariant theory of a group of transformations.
Junior course. Prerequisite, Mathematics 4.
Hour L. Exam F.

9-10 ADVANCED DIFFERENTIAL EQUATIONS AND SPECIAL TOPICS
Integration in series, including a study of the properties of Bessel's functions and Legendre polynomials. Introduction to boundary value problems; Fourier series and general expansion problems, with applications to the theory of vibration and wave mechanics. Special topics from Laplace transforms, Vector analysis and the theory of functions of a complex variable.
This course makes extensive use of all the preceding courses in the departmental sequence and forms their natural culmination.
Senior course. Required course in the major. Single credit course for non-mathematics majors. Double credit course with supplementary meetings for mathematics majors. Prerequisite, Mathematics 5-6.
Hour C. Exam E.

[13-14 ENGINEERING DRAWING AND DESCRIPTIVE GEOMETRY
Principles of orthographic and auxiliary projections; isometric, oblique, perspective and section drawings, frehand and with the use of instruments; space visualization; American Standard Association conventions and symbols. Fundamental concepts concerning lines, planes and curved surfaces, including analytic representation; intersection and development of surfaces; applications to engineering problems.
Junior course. Prerequisite, Mathematics 1a-2a. Students must provide themselves with a set of drawing instruments, architect's scale and triangle.
Hour B. Exam T.

STATISTICS 1-2 INTRODUCTION TO MATHEMATICAL STATISTICS
Junior course. Prerequisite, Mathematics 4.
Hour D. Exam P.

101-102 JUNIOR HONORS COURSE
103-104 SENIOR HONORS COURSE
MUSIC (Div. II)

Chairman, Associate Professor J. Nin-Culmell

Associate Professor Barrow, Associate Professor Nin-Culmell, Mr. Stube

Major — Sequence courses: Music 1-2, 3-4, 19-20. Parallel courses: Music 5-6 and 7-8. Correlation courses: Art 1-2; English 5-6; French 7-8; German 5-6. (A fee of $6 a year will be required for all students taking a course in music.)

1-2 Fundamentals of Music

Essentials of musical theory including notation, scales, key-signatures and the principal elements of harmony and musical form. In the first semester the emphasis is placed on the acquiring of a sufficient command of these essentials so as to enable the student to carry on intelligently the more strictly historical study of music in the second semester. The historical survey covers very broadly the principal periods in the development of music; medieval and renaissance; baroque and rococo; romantic; modern. No previous musical knowledge is required. Three lectures, one conference a week.

Sophomore course.

Hour C. Exam E.

Barrow, Stube

3-4 Sixteenth Century Counterpoint and Elementary Harmony

First semester: Study of two and three part modal counterpoint.

Second semester: Major and minor triads and inversions; the 6-4 chord; unessential notes; regular resolutions of the dominant seventh and its inversions; harmonization of sopranos and basses.

Junior course. Prerequisite, Music 1-2.

Hour L. Exam F.

Stube

5-6 Music and Musicians of the Nineteenth Century

A study of the development of musical forms (Overture-Symphonic Poem, Concerto, Symphony, String Quartet, Piano compositions in "free" form and Opera) from Beethoven's second period through Debussy's early compositions. Emphasis on listening assignments.

Junior course. Prerequisite, Music 1-2.

Hour B. Exam T.

Nin-Culmell

7-8 Advanced Harmony and Elementary Composition

First semester: Advanced harmony. Irregular treatment of the dominant seventh chord; ninth, eleventh, and thirteenth chords; the Neapolitan sixth chord; the augmented 6-3, 6-4-3 and 6-5-3 chord; altered chords.

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MUSIC, PHILOSOPHY

Second semester: Elementary composition. The elements of musical form: parallel and contrasting periods; sequence, elision and extension; pedal-point, basso ostinato, figuration; composition in three- and five-part forms and analysis.

Senior course. Prerequisite, Music 3-4.
Hour M. Exam J.

9-10 Music and Musicians of the Seventeenth and Eighteenth Centuries
A study of the development of music from Monteverdi through Beethoven's first period, including the compositions of Lulli, Rameau, Purcell, Handel, D. Scarlatti, J. S. Bach, Gluck, Haydn, and Mozart. Emphasis on listening assignments.

Junior course. Prerequisite, Music 1-2.
Hour K. Exam L.

19-20 Music and Musicians of the Twentieth Century
A study of modern trends in music. Emphasis on listening assignments.

Senior course. Required course in the major. Prerequisite, Music 5-6 and 7-8.
Hour Arr. Exam I.

PHILOSOPHY (Div. II)

Chairman, Professor J. W. Miller
Professor Miller, Associate Professor Beals, Mr. Johnstone

Major — Sequence courses: Philosophy 1-2, 3-4, 19-20. Parallel courses: Courses in Philosophy equivalent to four semesters. Correlation courses: Religion 1-2; Psychology 1-2; History and Method of Science 1-2.

The introductory course is chiefly directed toward the student who wishes a broad knowledge of what philosophy is about and some training in critical skill. In the major sequence, based upon this course, the emphasis is on the use of historical materials for the examination of current philosophical problems. Having become acquainted with the doctrines of the leading systems, and with their history, the senior is fitted to deal with contemporary issues sympathetically and critically. The departmental electives are designed to aid in correlation with other subjects, politics, science, or the arts, in that they aim to examine the basis of criticism or judgment in those fields.

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THE DEGREE WITH HONORS IN PHILOSOPHY

For the degree with honors tutorial work of an individual sort is provided. The student may choose a suitable topic, or may do intensive work on some author.

1-2 INTRODUCTION TO PHILOSOPHY

A survey and description of persistent and typical philosophies; their content, the motives and considerations which explain their appearance and prevalence; their genetic relation to each other. Examples of such types are scepticism, pragmatism, materialism, mysticism. Elementary logic and ethics will be developed within appropriate types.

Sophomore course.
Hour A. Exam R.

3-4 HISTORY OF PHILOSOPHY

A study of the major writers and tendencies in European philosophy and of their influence in forming present outlooks. Ancient writers include Plato, Aristotle, Stoics, etc.; modern writers from Francis Bacon to Bergson.

Junior course. Prerequisite, Philosophy 1-2.
Hour C. Exam A. First semester: Beals; Second semester: Johnstone

5-6 PSYCHOLOGY AND PHILOSOPHY OF THE STATE

Human nature and the state: the motives that produce and threaten social organization as disclosed by psychology and by the history of political beliefs and theories.

Individualism, democracy, the common good, rights, justice, and crime are treated in both their national and international aspects. The prevention of war and the proposal for world government are discussed in relation to the aims of men and the purposes of government.

Junior course. Prerequisite, Philosophy 1-2.
Hour L. Exam F.

7 THE PHILOSOPHY OF HISTORY

History as a factor of experience compared with the a-historic; the problem of truth as a function of time; theories of historical causation, — theological, materialistic, psychological, etc. — as illustrated in various readings, Augustine, Hegel, Marx, Engels, Tolstoy, Croce, Spengler, Adams; the idea of progress; the hero and the makers of history; reason and unreason in history; the relation of politics and freedom to history.

Junior course. Prerequisite, Philosophy 1-2 and a course in History.
Hour B. Exam T.

PHILOSOPHY
PHILOSOPHY

8 AMERICAN PHILOSOPHY
A survey of philosophic elements in American thought; Edwards, Paine, Emerson, James, Dewey and others.

*Junior course.* Prerequisite, Philosophy 1-2.

Hour B. Exam T.

9 ETHICS. CLASSICS IN MORAL PHILOSOPHY
A survey of influential sources contributing to the understanding and valuing of human conduct: Plato, Aristotle, Stoicism, Epicureanism, Christianity, Utilitarianism, Kant, Emerson, Dewey.

*Junior course.* Prerequisite, Philosophy 1-2.

Hour D. Exam P.

10 AESTHETICS
A study of the general theory of beauty, the aesthetic experience, and the problem of aesthetic norms.

*Junior course.* Prerequisite, Philosophy 1-2.

Hour D. Exam P.

11 LOGIC
Besides training in inference and the recognition of fallacies, the course offers an introduction to recent advances in the fields of symbolic logic, logical analysis, scientific method, and semantics.

*Junior course.* Prerequisite, Philosophy 1-2.

Hour K. Exam L.

12 EMPIRICISM AND POSITIVISM
A study of the empirical movement in two parts: (1) the rise and development of positivism in Bacon, Hume, Comte, J. S. Mill and recent pragmatists; (2) the meaning and claims of logical positivism with special attention to different kinds of symbols, the reduction of logic to a description of language, and the resulting problems.

*Junior course.* Prerequisite, Philosophy 1-2.

Hour K. Exam L.

19-20 SURVEY OF SOURCE MATERIAL IN PHILOSOPHY
An application to the field of philosophy of the “great-books” idea; readings taken from printed departmental list of books prominent in forming and describing the philosophic outlook of the western world; discussion and reports against the background of previous courses.

Hour 7-2.30 Mon., Wed. Exam I.

*First semester:* MILLER

*Second semester:* JOHNSTONE

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PHILOSOPHY, PHYSICAL EDUCATION, PHYSICS

101-102 JUNIOR HONORS COURSE

103-104 SENIOR HONORS COURSE

PHYSICAL EDUCATION (Div. III)

Chairman, Associate Professor J. E. Bullock

Associate Professor Bullock, Assistant Professor Muir, Assistant Professor Chaffee, Assistant Professor Plansky, Assistant Professor Coombs, Assistant Professor Watters, Assistant Professor Bell, Assistant Professor Shaw, Mr. Potter, Mr. Barbour, Mr. Parker

Physical education is a required activity for freshmen and sophomores. This requirement may be met by participating in intercollegiate athletics on freshman or varsity teams or by participating in class activities where instruction will be given in the several branches of athletics and gymnastics.

Class activities for the different seasons consist of:
Fall: Tennis, golf, soccer, touch football.
Winter: Wrestling, swimming, basketball, gymnastics, squash, volleyball.
Spring: Softball, tennis, golf.

Sophomores may elect skiing.

Special exercises and games are conducted for those students who are recommended for such activities by the college physicians.

All classes, three forty-five minute periods a week.

PHYSICS (Div. III)

Chairman, Professor F. H. Crawford

Professor Crawford, Professor Winch, Professor Stabler, Professor Emslie, Mr. Beyer, Mr. Heuer, Mr. Taft, Mr. Beckman, Mr. Davis, Mr. McCue, Mr. Irish

Major — Sequence courses: Physics 1-2 (1a-2a), 5-6, 19-20. Parallel courses: any four other semesters in Physics. Correlation courses: Astronomy 1-2; Chemistry 1-2 (1a-2a), 3-4, 9-10; Mathematics 3-4, 5-6, 9-10. Note — Mathematics 1-2 (1a-2a) is prerequisite for all of the above courses except Physics 1-2 (1a-2a) and 3-4. Mathematics 3-4, which is ordinarily taken in the sophomore year, is prerequisite for Physics 7-8 and 19-20 and must be taken simultaneously with or before Physics 5-6 and 11-12. To major in Physics both Mathematics and Physics should be elected in the freshman year.

The major is designed for the student who enjoys experimental work and through it wishes to gain a firsthand knowledge of physics and its bearing on the
PHYSICS

industrial and technical world in which he lives. The purely mathematical approach is consequently less emphasized than in the work for the degree with honors and the student is encouraged to cultivate interests in special fields such as radio-communication, photography, etc. Furthermore, the coordination of the many special subjects in physics and their correlation with the related sciences offers a sound method for acquiring a liberal scientific education, a useful background in law and business, and a broad foundation for professional work in biology, chemistry, medicine, and geology.

THE DEGREE WITH HONORS IN PHYSICS

The plan of study leading to the degree with honors is intended for the student of more mathematical and theoretical leanings and serves as adequate preparation for graduate work in physics, engineering, and allied technical and scientific fields. The honors student is therefore provided with a more rigorous and analytical approach to physical problems while paralleling more or less the work of the regular major. He is further given the opportunity of doing independent work on special problems. This work may be of a theoretical or experimental nature in any of the fields of mechanics, optics, atomic and molecular spectra, astrophysics, electricity or high-frequency circuits. This is ordinarily done in the senior year but in certain cases may be begun in the junior year. Students registering for this degree must ordinarily have taken Physics 1a-2a and must complete Physics 5-6, 7-8, Mathematics 5-6, and, of course, Physics 19-20.

1-2 ELEMENTS OF PHYSICS

An introduction to the basic principles of Physics developed with particular emphasis on the scientific method and applications to problems in everyday life.

Lectures and conferences, three hours a week. One two-hour laboratory period a week. Fee, $3.75 a term.

Hour M. Exam I. 

Crawford, Taft, Davis, McCue

1A-2A ELEMENTS OF PHYSICS (MORE ADVANCED)

Mechanics, heat, sound, electricity, magnetism, and light. Intended for those who have secured good grades in admission physics. It should be elected by all eligible students who are likely to major in any of the physical sciences or to go on into professional study in engineering or pure science. Students in the last two categories are advised also to elect Mathematics 1-2 or 1a-2a in freshman year.

Lectures and conferences, three hours a week; one two-hour laboratory period a week. Fee, $5 a term.

Freshman course. Prerequisite, admission credit in physics.

Hours A, B. Exam R. 

Stabler, Heuer

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PHYSICS

3-4 PHYSICAL OPTICS AND ATOMIC PHYSICS

Material selected from the following topics presented with a minimum of mathematical treatment: interference and diffraction, spectroscopy, polarized light; kinetic theory of matter, the electron, discharge through gases, photoelectric effect, simple quantum phenomena, Bohr’s atom-model, periodic system of the elements, isotopes, radio-activity, X-rays, cosmic rays, the nucleus, atomic energy.

Lectures and conferences, three hours a week, and a three-hour laboratory period a week. Fee, $5 a term.

Sophomore course. Prerequisite, Physics 1-2 or 1a-2a. (Students electing this course are advised, although not required, to have taken or be taking Mathematics 1-2 or 1a-2a).

Hour M. Exam I.

Winch, Beyer, Taft, Irish

5-6 ELECTRICITY AND MAGNETISM

Kirchhoff’s laws and direct current networks, principles of instantaneous and root mean square solutions of alternating current networks, alternating and direct current meters.

Electrostatics, magnetostatics, magnetic fields of currents; electro-magnetic induction, the magnetic circuit, simple electrical machinery, transformers, introduction to three phase circuits.

The laboratory contains experiments on standard methods of measuring current, potential, resistance, inductance, and capacitance as well as experiments which illustrate the principles studied in class.

Lectures, conferences, and problems; laboratories weekly (three hours a week in Physics 5 and two hours a week in Physics 6). Fee, $5 a term.

Junior course. Prerequisite, Physics 1-2 or 1a-2a and Mathematics 2a. (Students electing this course must have taken or be taking Mathematics 3-4. Open to sophomores with the permission of the department).

Hours A, B. Exam O.

Winch, Huen, McCue

7-8 MECHANICS

Applied statics, including coplanar forces, forces in space, friction, framed structures, cables, centroids, moments of inertia, hydrostatics, and stresses in beams.

Motion in a straight line, transient oscillations, forced oscillations, resonance, motion under gravity, constrained motion, planetary motion; kinematics of simple mechanisms, energy, momentum, friction, impact; dynamics of rigid bodies, D’Alembert’s principle, balancing of shafts, gyrocompass.

Informal conferences or lectures, three hours a week. Problem work throughout the year.

Junior course. Prerequisite, Physics 1-2 or 1a-2a and Mathematics 3-4.

Hour K. Exam L.

Emslie
PHYSICS

11-12 ELECTRONICS

Characteristics of high vacuum and gaseous electron tubes; electronic circuits useful for research instrumentation and industrial control; basic design of audio and radio frequency communication components.

Three class hours a week, lectures and problems; one hour laboratory every other week. Fee, $7.50 a term.

Junior course. Prerequisite, Physics 1-2 or 1a-2a. Students electing this course must have taken or be taking Mathematics 3-4 and Physics 5-6.

Hour D. Exam F. Stabler, Beckman

[13 KINETIC THEORY]

The fundamentals of kinetics of gases and simple solids; Maxwell’s distribution of velocities, and kinetic interpretation of important thermodynamic concepts.

Senior and graduate course. Prerequisite, Physics 5-6 and Mathematics 3-4. (Students electing this course must have taken or be taking Mathematics 5-6).

Hour J. Exam F. Emslie]

[14 ELECTROMAGNETIC THEORY]

Maxwell’s electromagnetic equations; the wave equation, applications to various problems of propagation reflection, dispersion and diffraction, as well as to wave guides, cavity resonators, and other devices of interest in the microwave region.

Senior and graduate course. Prerequisite, Physics 5-6, Mathematics 3-4. (Students electing this course must have taken or be taking Physics 11-12 and Mathematics 3-4).

Hour J. Exam F. Emslie

15 ATOMIC STRUCTURE

Introduction to quantum mechanics and extra-nuclear properties of atoms and the simple molecules.

Senior and graduate course. Prerequisite, Physics 5-6 and Mathematics 3-4. (Students electing this course must have taken or be taking Mathematics 5-6).

Hour J. Exam F. Emslie

16 NUCLEAR PHYSICS

Properties and theory of fundamental particles, constitution and stability of atomic nuclei.

Senior and graduate course. Prerequisite, Physics 15 and Mathematics 3-4. (Students electing this course must have taken or be taking Mathematics 5-6).

Hour J. Exam F. Emslie

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PHYSICS, POLITICAL ECONOMY

19-20  THERMODYNAMICS

First semester: This course is devoted to a careful development of the first and second laws of thermodynamics. Topics treated are briefly: Thermometry and the temperature scale, calorimetry, the concept of state variables and degrees of freedom, Joule’s experiments and the First Law with applications to specific heat, evaporation and chemical reactions, various statements of the Second Law and the concept of entropy.

Second semester: Development of the concept of entropy, the general relations of thermodynamics, applications of the two laws to pure substances and two phase systems, ideal solutions, surface tension, etc., heat engines and power cycles, and black body radiation. One meeting a week will be devoted to reports by various members of the course, discussions, etc., of matters important in coordinating the major.

Lectures with problems and discussion.

Senior course. Prerequisite, consent of the department.


Crawford

101-102  JUNIOR HONORS COURSE

103-104  SENIOR HONORS COURSE

POLITICAL ECONOMY (Div. II)

Major — Sequence courses: Economics 3-4; Political Science 5-6; Political Economy 19-20. Parallel courses: (a) Political Science 3-4, (b) Economics 5-6. Correlation courses: History 3-4 or any year course or two semester courses in Economics or Political Science.

The sequence courses deal with money and income and American constitutional development, leading to a senior seminar in basic problems and policies in political economy. The parallel courses are concerned with international relations and industrial organization and control. Both specified parallels are required. The correlation courses are designed to enrich the content of the background which the major brings with him to the senior seminar on problems and policies. This combined major serves both as a pre-professional course of study and as a general liberal arts major program. In the first connection, it is aimed at giving those who plan to go into business a grasp of the environment and of the nature of the problems, both governmental and economic, within which they will have to operate; at giving those who eventually enter the public service a broad grasp of the significance of economic characteristics and traditions as conditioning factors in governmental policy; and at giving those who plan to continue in academic work an opportunity to make this vital re-
**POLITICAL ECONOMY**

In addition to being the background if not the focus of their more advanced studies, as a general liberal arts program, it aims at surmounting the sometimes artificial barriers of specialization which tend to characterize either subject taken alone, and attempts thus to contribute in a conscious fashion to the broadening of horizons sought on behalf of more informed citizenship.

**THE DEGREE WITH HONORS IN POLITICAL ECONOMY**

Candidates for the honors degree normally substitute two honors courses for two elective courses in the major. Such honors courses may be substituted for Political Science 3-4 or Economics 5-6. Work in these courses, which are special reading and research projects under personal supervision, is carried on jointly by the Economics and Political Science departments. The culmination of the honors program is a senior thesis supervised by members of both departments, aimed at exploring at some length a topic which significantly involves the interrelationships of politics and economics in some area of public policy.

**ECONOMICS 3-4 MONEY AND INCOME**

*Sophomore course.* Prerequisite, Economics 1-2.

Hours A, C, D, M. Exam M. Despres, Morse, Sirken, Clark

**POLITICAL SCIENCE 5-6 AMERICAN CONSTITUTIONAL DEVELOPMENT**

*Junior course.* Prerequisite, Political Science 1-2.

Hour M. Exam K. Rockwell, Evans

**POLITICAL SCIENCE 3-4 INTERNATIONAL RELATIONS**

*Sophomore course.* Prerequisite, Political Science 1-2.

Hour L. Exam F. Schuman, Gleason, Greene

**ECONOMICS 5-6 INDUSTRIAL ORGANIZATION AND CONTROL**

*Junior course.* Prerequisite, Economics 1-2.

Hours C, K. Exam G. Gass, Martin

**19-20 BASIC PROBLEMS AND POLICIES IN POLITICAL ECONOMY**

An examination of selected problems of public policy which emphasize the interrelationships between government and politics on the one hand and economics on the other indicating the significance of both in the formulation of national economic policy. This course aims at an understanding of the environment, both competitive and governmental, within which business must operate, as well as a broad grasp of the significance of economic characteristics and traditions as conditioning factors in governmental policy. The first term will em-
POLITICAL ECONOMY, POLITICAL SCIENCE

phasize problems involving international economic and political relationships; the second term will focus on issues of domestic policy.

Senior course. Required course in the major. Prerequisite, Political Science 3-4, 5-6; and Economics 3-4, 5-6.

Hour 1.30-3 Tues., Thurs. Exam I. TRUMAN, GASS, DESPRES, SCHUMAN

101-102 Junior Honors Course

103-104 Senior Honors Course

POLITICAL SCIENCE (Div. II)

Chairman, Professor V. M. Barnett*
Professor Comer, Professor Schuman, Professor Barnett*, Associate Professor Truman, Assistant Professor Rockwell, Assistant Professor Evans, Assistant Professor Burns**, Mr. Gleason, Mr. Greene

Major — Sequence courses: Political Science 1-2, 5-6, 19-20. Parallel courses: (a) Political Science 3-4, (b) a year-course or two semester courses in political science. Correlation courses: a year-course or two semester courses from the following: Economics 3-4; History 3-4; Psychology 7-8; Philosophy 11.

The required courses in the departmental sequence deal broadly with politics and constitutional development, leading to political theory. The parallel courses are concerned with public opinion, public administration, political parties, and international relations; the student must take Political Science 3-4 but may choose any other course at his option. The major examination presupposes knowledge of the sequence and the parallel courses elected and ability to apply their content to the interpretation of political situations. The various correlation courses in history, economics, psychology or philosophy are designed to enrich this content and to increase the student’s breadth of view and capacity for analytical thinking about political problems.

The Degree with Honors in Political Science

Candidates for the honors degree substitute two honors courses for two elective courses in the major. In the first of these training is given in methods of investigation, after which the candidate is encouraged to select a subject in one of the fields of political science for special study and to pursue his inquiries as intensively as the resources of the library and of the department will permit. The results of this work are incorporated in a senior thesis.

*On leave 1949-50
**On leave first semester 1949-50

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POLITICAL SCIENCE

1-2 COMPARATIVE GOVERNMENT

A study of the nature of federal and unitary states, democracy and dictatorship, presidential and parliamentary governments, and of communism, fascism, and democracy as ways of life. Special emphasis on the governments of the United States, Great Britain, France, and the Soviet Union.

Discussion, assigned readings, and reports.

Hours A, B, C, J, K, L, M. Exam A.

COMER, TRUMAN, ROCKWELL, EVANS, BURNS, GLEASON, GREENE

3-4 INTERNATIONAL RELATIONS

A survey of the origins, forms, forces and problems of the Western State System, covering diplomatic practice, international law and organization, nationalism, imperialism, the foreign policies of the powers, the causes of war, the struggle for peace, and the major issues of contemporary world politics.

Sophomore course. Prerequisite, Political Science 1-2.

Hour L. Exam F.

SCHUMAN, GLEASON, GREENE

5-6 AMERICAN CONSTITUTIONAL DEVELOPMENT

The emphasis in this course will be analytical, rather than historical, although the historical approach will be used along with others. The basic method will be the study of the great constitutional problems that have confronted the developing American nation, and the analysis of the leading Supreme Court decisions that have arisen out of these problems. Throughout the course there will be an interweaving of legal, political, economic, administrative, and psychological factors in their bearing on constitutional materials. There will also be a study of the careers and minds of the leading members of the Supreme Court; and the doctrines of the Court will be considered as part of the history of ideas. Throughout also there will be an attempt to study the conditions giving rise to constitutional crises, and the methods used in resolving them.

Junior course. Prerequisite, Political Science 1-2.

Hour M. Exam K.

ROCKWELL, EVANS

7 PUBLIC ADMINISTRATION

This study of public administration will center in the Federal Government's executive-administrative departments and special agencies. Special emphasis will be placed upon the following phases: the constitutional sources, the principles of organization and the need for reorganization in the light of such principles, the functions performed by administration, the relations of administration to democracy, and the development of an American administrative law.

Lectures, discussions, reports.

Junior course. Prerequisite, Political Science 1-2.

Hour C. Exam E.

COMER
8 State and Local Government Problems

The state in the Union, political parties and the lawmaking process, the executive-administrative problems peculiar to the state, the judiciary and the police power, interstate and state-local relations. Emphasis upon municipal types of government, metropolitan areas, state-county consolidation, municipal functions and municipal administration in selected fields, such as finance, education, public welfare, housing, city planning and zoning.

Lectures, discussions, reports.

Junior course. Prerequisite, Political Science 1-2.

Hour C. Exam E.

9 Public Opinion

The nature and significance of public opinion in government, business, and social institutions; the public opinion polls — methodology, alternative techniques, and evaluation; the scope, limitations, and prospects of public opinion measurement, its analysis, and its relevance for the social sciences. Lectures, readings, discussions, and original work in the accumulated raw materials of public opinion polls.

Junior course. Prerequisite, Political Science 1-2.

Hour D. Exam P.

10 Propaganda and Pressure Groups

The nature and methods of operation of pressure groups and special interest groups; an intensive study of propaganda methods and techniques; propaganda analysis. The relationship of propaganda and pressure group activities to the basic concepts and functioning of democracy. Lectures, readings, class discussions.

Junior course. Prerequisite, Political Science 1-2.

Hour D. Exam P.

11 Man and Society

An examination of current approaches toward political and social analysis with particular attention to the contributions of semantics, personality study, and physical and cultural anthropology to the analysis of social attitudes and conduct in modern societies.

Junior course. Prerequisite, Political Science 1-2.

Hour J. Exam D.

16 American Parties and Politics

The organization and techniques of political parties, their role in democracy, and the nature of the party system in relation to other social processes. The
POLITICAL SCIENCE

major approach will be an analysis of current organization and problems of parties, with sufficient historical background to make such analysis meaningful. The course will cover party methods of obtaining and regaining control: nominations, conventions, primaries, campaigns and elections, the spoils system and civil service, machines and bosses, patronage and bureaucracy. Practical politics: the art of campaigning and vote-getting. Intensive field studies of politicians and political districts.

Junior course. Prerequisite, Political Science 1-2.
Hour A. Exam R.

[16  Presidential Leadership and the Legislative Process

A study of the policy-making process in American government, with special emphasis on executive-legislative relationships, the nature and functioning of the legislative process, the respective roles of Congress and the President, and the focus of responsibility for public policy in modern American democracy. Case studies in policy making. Lectures, reading, and class discussions.

Junior course. Prerequisite, Political Science 15.
Hour A. Exam R.

18 Soviet Union

An intensive study of the history, government, social institutions and diplomacy of the U.S.S.R.: The Russian Revolution; the politics and economics of Soviet Communism in theory and practice, in comparison with Democracy and Fascism; Constitution and Government of the Soviet Union, with special attention to federalism, nationalism, economic planning and the Communist Party; the transition from "world revolution" to "socialism in one country"; Soviet foreign policy before, during, and since World War II; current issues of Anglo-Soviet and American-Soviet relations: the role and prospects of the U.S.S.R. in the world of tomorrow.

Junior course. Prerequisite, Political Science 1-2.
Hour J. Exam D.

19-20 Issues of Politics

A critical examination of the central problem of political theory: who should exercise what kind of political authority, how, and why. Writings of leading political theorists from Plato to the present are read and discussed. Particular attention is given to the kind of society in which they lived, the problems they sought to solve, their assumptions concerning human nature, the impact of their theories on subsequent political thought, and the relevance of their ideas to modern political issues. The approach is both historical and analytical. The latter half of the course, applying some of the concepts thus examined, aims to integrate much of the students' work in the political science major through
POLITICAL SCIENCE, PSYCHOLOGY

a close analysis of current basic issues of government, of the challenges which these pose for modern democracy, and of essential components of modern democracy in the light of these challenges.

Senior course. Required course in the major. Prerequisite, Political Science 5-6. Hour 1-2.30 Tues., Thurs. Exam I.

Rockwell and other members of the department

101-102 JUNIOR HONORS COURSE

103-104 SENIOR HONORS COURSE

PSYCHOLOGY (Div. II)

Chairman, Professor A. F. Jenness

Professor Jenness, Assistant Professor Rouse, Lecturer Bovard

Major — Sequence courses: Psychology 1-2, 5-6, 19-20. Parallel courses: (a) Psychology 3-4, (b) Psychology 7-8. Correlation courses: 2 semesters, chosen from; Economics 7, Philosophy 1-2, Political Science 9, 10, Religion 3, 4.

The introductory course is designed to acquaint the student with psychological methods, data, and theory in the attempt to further his understanding of human nature in everyday life and in the subject matter of a program of liberal education. The major sequence and parallel courses introduce the student to the more specialized study of human behavior, either as part of a general education or as preparation for graduate and professional study in psychology. The correlation course introduces the student to some of the applications of psychological techniques and concepts in the social sciences.

The Degree with Honors in Psychology

For the degree with honors the student will ordinarily be expected to carry on minor research under the direction of a member of the department and to report the results in a senior thesis. In exceptional cases, the thesis may consist of a critical survey of the literature bearing on a special topic in psychology.

1-2 General Psychology

Fundamental principles of human behavior with emphasis upon mental activities. Motivation, feeling and emotion, maturation and development, sensation and perception, imagination, learning and memory, thinking, intelligence, aptitudes and interests, individual differences, personality.

Sophomore course.

Hour D. Exam P.
3-4 Personality: Normal and Abnormal

First semester: Various approaches to the study of personality; analytical, typological and whole methods; acquisition and development of personality. Common and unique traits; expressive behavior; character, attitudes, and values; appetites and aversions. Theories of motivation; biological and social determinants of personality; economic and cultural circumstances affecting personality. Inferences and conclusions from ratings, tests, observations, and personal documents.

Second semester: An attempt to understand human behavior through a study of its exaggerations and deficiencies. Abnormalities of sensation, perception, memory, thinking, emotion, intelligence, motor activity, and personality; theories of sleep and dreams; hypnotism; critique of psychoanalytic theories; psychological aspects of neurotic and psychotic disorder.

Junior course. Prerequisite, Psychology 1-2.
Hour M. Exam K.

5-6 Quantitative Methods in Psychology


Second semester: Experimental psychology. Demonstrations and laboratory experiments covering sensation, perception, learning, memory, feeling, emotion, imagination and thinking.

Lectures, laboratory or practicum, and conferences, six hours a week. Fee, $5 a term.

Junior course. Prerequisite, Psychology 1-2 and permission of the instructor.
Hours A and B. Exam Arr.

7-8 Social Psychology

Social functions of the individual: development of social behavior, perception and learning in social situations, sympathy, imitation, suggestion; psychological aspects of facial and bodily expression; language, gesture, and other means of communication; behavior in multi-individual situations, including crowds and audiences; competition and cooperation; the personal relationships of individuals; “race” differences and prejudices against minority groups; institutional and societal behavior in terms of individual behavior and attitudes, including the family, the school, the church, business, industry, the professions and government. The contributions of applied psychologists to basic theory in psychology will be emphasized.

Junior course. Prerequisite, Psychology 1-2.
Hour L. Exam F.
PSYCHOLOGY, PUBLIC SPEAKING, RELIGION

19-20 THE HISTORY AND THEORY OF PSYCHOLOGY

Critical survey of relatively advanced psychological literature with emphasis on the history of experimental psychology and the various points of view in the systematic interpretation of psychological data and social phenomena.

Senior course. Required course in the major. Prerequisite, Psychology 5-6.

Hour 1.30-3 Tues., Thurs. Exam I. Jenness, Rouse

PUBLIC SPEAKING (Div. I)

1-2 PUBLIC SPEAKING

First semester: A practical course in speech composition and delivery to develop the student’s ability to speak directly and effectively.

Second semester: The study of evidence, methods of analysis and argument, fallacies, and cross-examination. Debate, discussion and argument of current controversial questions and well-known legal cases.

Junior course. Prerequisite, English 1-2.

Hours B, D, K, M. Exam A. Connelly

RELIGION (Div. II)

1-2 THE RELIGIONS OF MANKIND

A survey of the principal religions of mankind, including primitive religion, the religions of ancient cultures, as well as the various historical faiths and systems, such as Hinduism, Buddhism, Islam, Judaism, Christianity, etc. Extensive reading in sacred scriptures.

Sophomore course.

Hour J. Exam D. Hutchison

3 PHILOSOPHY AND PSYCHOLOGY OF RELIGION

Study of the data of religious behavior from psychological and anthropological viewpoints. Analysis and evaluation of the main types and problems of religious thought, such as the nature of God, man, etc.

Junior course. Prerequisite, Psychology 1-2 or Philosophy 1-2.

Hour C. Exam E. Hutchison

4 PHILOSOPHY AND PSYCHOLOGY OF RELIGION

Continuation of Religion 3.

Junior course. Prerequisite, Psychology 1-2 or Philosophy 1-2.

Hour C. Exam E. Hutchison

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RELIGION, ROMANIC LANGUAGES

5 LITERATURE AND RELIGION OF THE BIBLE
A historical survey of the main types of literature and religion of the biblical Hebrews. The Old Testament.
Junior course. Prerequisite, English 1-2.
Hour B. Exam T. Hutchison

6 LITERATURE AND RELIGION OF THE BIBLE
A historical survey of the main types of literature and religion of the biblical Hebrews. The New Testament.
Junior course. Prerequisite, English 1-2.
Hour B. Exam T. Hutchison

ROMANIC LANGUAGES (Div. I)
Chairman, Professor E. M. Grant*
Professor Grant*, Professor Grimm, Associate Professor Caccariello, Associate Professor de Lahiguera, Mr. Mayer, Mr. Piper, Mr. Savacool**

FRENCH (Div. I)
Major — Sequence courses: French 5-6, 7-8, 19-20. Parallel courses: French 9-10 and any two semester courses in French. Correlation courses: Art 3, 7, 8, 11-12 (former Art 5-6); Comparative Literature 1-2; English 5-6 or higher; German 7-8 or higher; Greek 5-6, 9-10; Latin 5-6, 7-8; Music 5-6; Philosophy 3-4; Spanish 7-8 or higher.

The three courses in the departmental sequence and the parallel courses in French carry the student through the fields of French literature of the sixteenth, seventeenth, eighteenth, and nineteenth centuries, as well as the contemporary field. It is upon them that the major examination is based. It is the aim of the major, by tracing the different literary movements through the centuries, to show the development of French culture and civilization and their contribution to the world of literature. The correlation course, permits the student to extend his knowledge by studying in other literatures and in art and philosophy the influence of the two fields upon one another.

THE DEGREE WITH HONORS IN FRENCH
The candidate will substitute for the elective courses two years of individual study in some field of special appeal to him with the approval and under the direction of the department. This course is designed to develop in the student critical faculties which he will apply to a thorough and independent study of some literary movement, some phase of literary expression, or to the works of

*On leave second semester 1949-50.
**Second semester 1949-50.
some important and representative writer. The student may, if he has the back­
ground for it, choose a subject in the field of comparative literature or of lin­
guistics. His study will culminate in a thesis to be completed in his senior year.

1-2 Elementary French
Grammar and composition, reading modern French, special training in con­
versational French, dictation.
This course is conducted in accordance with the intensive oral method. The
class meets six hours a week with proportional reduction in assignments to be
done outside of class.
Hours J and 2–3.30 Tues. and Thurs. Exam T. Grant, Mayer, Savacool

3-4 Intermediate French
Continuation of French 1-2, with stress on the spoken language and extensive
reading of modern prose.
Prerequisite, French 1-2, or admission French 2.
Hours D, L. Exam N. Vaggariello, Mayer, Savacool

5-6 General Introduction to French Literature
Study and interpretation of representative works from the classical period to
modern times. Lectures, reading, and written exercises. This course is con­
ducted in French as far as is feasible. If there are two or more sections, one at
least will be conducted in French.
Prerequisite, French 3-4, or admission French 3 or 4.
Hours C, K. Exam N. Grant, Vaggariello, Savacool

5A-6A French Composition and Conversation
The purpose of this course is to give intensive training in spoken and written
everyday French. Material dealing with contemporary French life and customs
will form the basis for composition and conversation.
Prerequisite, French 3-4 or admission French 3 or 4.
Hours D, L. Exam P. Grimm

7-8 French Literature of the Nineteenth Century
A study of the novel, drama, and poetry of the century. The first semester
includes such authors as Chateaubriand, Lamartine, Victor Hugo, Balzac, and
Stendhal; the second semester, Flaubert, Baudelaire, Dumas (fils), Augier, Bec­
que, Rostand, Zola, and Verlaine. This course is conducted in French as far as is
feasible. If there are two or more sections, one at least will be conducted in
French. Students thinking of majoring in French should register for the section
conducted entirely in French. Lectures, readings, written reports.
9-10 **French Literature of the Seventeenth and Eighteenth Centuries**

A study of the literature of the great classical age, followed by a survey of its prolongation and transformation during the age of enlightenment. The first semester includes the great dramatists, Corneille, Molière, Racine, as well as such authors as Pascal, LaFontaine, Bossuet, and Fénelon; the second semester, Lesage, Montesquieu, Voltaire, Diderot, Rousseau, Beaumarchais, and Bernardin de St. Pierre. Conducted in French. Students not majoring in French may be allowed to do the written work in English. Lectures, readings, written reports.

Prerequisite, French 5-6 or 7-8.

Hour K. Exam L.  
First semester: Grant; Second semester: Vaccariello

[13-14 **French Literature Since 1900**

The development of the French novel and French drama from 1900 to the present day. The first semester includes Porto-Riche, Maeterlinck, Claudel, Bourget, A. France, and Proust; the second semester, Bernard, Lenormand, Giraudoux, Gide, Malraux, Romain, Sartre. Conducted in French. Students not majoring in French may be allowed to do the written work in English. Lectures, readings, written reports.

Junior course. Prerequisite, French 7-8.

Hour M. Exam K.

19-20 **Studies in French Literature**

Studies in analysis, criticism and appreciation of standard and contemporary works. Investigation of literary problems. The course aims to fill in gaps and coordinate the student's work, as well as to correlate the work in French literature with the literature of other countries. The first semester is largely devoted to the period prior to the seventeenth century, the second semester to the modern era.

Senior course. Required course in the major. Prerequisite, French 9-10.

Hour B. Exam Arr.

101-102 **Junior Honors Course**

103-104 **Senior Honors Course**

**Spanish (Div. I)**

Major — Sequence courses: Spanish 5-6, 7-8, 19-20. Parallel courses: Two year courses from the following: Spanish 5a-6a, 9-10, 11-12. Correlation courses:
Comparative Literature 1-2; English 5-6 or higher; French 7-8 or higher; German 7-8 or higher; Greek 5-6, 9-10; Latin 5-6, 7-8; Music 5-6; Philosophy 3-4; Art 3, 7, 8, 11-12 (former Art 5-6).

The three courses in the departmental sequence and the parallel courses in Spanish carry the student through the fields of Spanish literature of the sixteenth, seventeenth, eighteenth, and nineteenth centuries, as well as the contemporary field. It is upon them that the major examination is based. It is the aim of the major, by tracing the different literary movements through the centuries, to show the development of Spanish culture and civilization and their contribution to the world of literature. The correlation course, permits the student to extend his knowledge by studying in other literatures and in art and philosophy the influence of the two fields upon one another.

**The Degree with Honors in Spanish**

The candidate will substitute for the elective courses two years of individual study in some field of special appeal to him with the approval and under the direction of the department. This course is designed to develop in the student critical faculties which he will apply to a thorough and independent study of some literary movement, some phase of literary expression, or to the works of some important and representative writer. The student may, if he has the background for it, choose a subject in the field of comparative literature or of linguistics. His study will culminate in a thesis to be completed in his senior year.

**1-2 Elementary Spanish**

Grammar, elementary composition, practice in conversation, and reading of easy modern prose.

This course is conducted on the basis of the intensive oral method. The class meets six hours a week, with proportional reduction in assignments; consequently the major portion of the work is done in class.

Hours A and 1.30-3, Mon., Wed. Exam H. de Lahiguera, Piper

**3-4 Intermediate Spanish**

Continuation of Spanish 1-2. Review of grammar. Stress is laid on the spoken as well as on the written tongue. Reading of literary selections of the modern period.

Prerequisite, Spanish 1-2 or admission Spanish 2.

Hours D, K, L. Exam H. Vaggariello, Piper

**5-6 Spanish Novel of the Nineteenth and Twentieth Centuries**

The study and interpretation of representative novels. Emphasis on the use of the language.
ROMANIC LANGUAGES

Prerequisite, Spanish 3-4 or admission Spanish 3 or 4.
Hour B. Exam T. de Lahiguera

5A-6A SPANISH CONVERSATION AND COMPOSITION

The purpose of this course is to give more intensive training in spoken and written every-day Spanish. Material dealing with contemporary Spanish and Spanish-American life and customs will form the basis for composition and conversation.
Prerequisite, Spanish 3-4 or admission Spanish 3 or 4.
Hour B. Exam K. Piper

7-8 SPANISH THEATRE OF THE NINETEENTH AND TWENTIETH CENTURIES

The study and interpretation of the principal plays of these two centuries.
Prerequisite, Spanish 5-6.
Hour C. Exam E. de Lahiguera

9-10 SPANISH LITERATURE OF THE GOLDEN AGE

The first semester is devoted to the study of the Spanish ballads and to the plays of Calderon, Lope de Vega and others. The second semester is devoted to the work of Cervantes.
Prerequisite, Spanish 5-6 or 7-8.
Hour D. Exam P. de Lahiguera

[11-12 SPANISH AMERICAN LITERATURE]

[13-14 ADVANCED SPANISH COMPOSITION]

[19-20 STUDIES IN SPANISH LITERATURE]

RUSSIAN (Div. I)

1-2 ELEMENTARY RUSSIAN
Grammar, composition and reading of easy prose. Introduction to the oral use of the language. No credit allowed unless followed by Russian 3-4.
Sophomore course. Not open to freshmen.
Hour K. Exam L. Mayer

3-4 INTERMEDIATE RUSSIAN

Continuation of Russian 1-2 with greater stress on the spoken language and with intensive reading of modern prose.
Junior course. Prerequisite, Russian 1-2.
Hour B. Exam B. Mayer
# CLASS HOURS

## 1949-50

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The afternoon program is devoted primarily to laboratory work, advanced senior courses, conferences, and lectures in large courses.

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The afternoon program is devoted primarily to laboratory work, advanced senior courses, conferences, and lectures in large courses.
## EXAMINATION GROUPS

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*Hour to be arranged.
**EXAMINATION SCHEDULE, 1949-50**

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DEGREES

DEGREES CONFERRED IN JUNE, 1949

BACHELOR OF ARTS

John Erik Aldeborgh
Gale Allen, cum laude
Walter Coleman Allen, cum laude
Jay Bernard Angevine, Jr.,
    cum laude
Robert Sargent Bacon, cum laude
Richard Dexter Baker, Jr.
Robert Thurman Barnard,
    cum laude
Miller Carpenter Barney
William Raymond Barney, Jr.
Sherman Craik Bedford
John Edwards Belding
George Hamilton Bell
William Henry Bell
Thomas Richard Benson
George Chapin Best
*Andrew Searles Biddle, cum laude
Seth Macey Bidwell
Graham Blandy, III
Theodore Fithian Brigham
John Dudley Brown
Cole Brundage, cum laude
William Belli Burke
Peter Flamen Ball Candler
Charles Francis Canedy
Ronald Kinsman Chute
Alexander Mitchell Clement, Jr.
Herbert L. Cole
Jerry Julian Cole, cum laude
John Ingersoll Collins
Paul Clinton Cook, Jr.
John Morgan Corbett
Norton Cushman
*John Henry Dalton, cum laude
Orville Adelbert Dean, II,
    cum laude
William George Degnan,
    cum laude
Eusebio Serge Delfin
Stanley Pearse DeLisser, cum laude
Daniel Ashley Dickinson
David Charles Diefendorf
James Scarborough Dissell
Edward Abbott Donahue
Frank Wetherbee Donnelly
Joseph Foster Dorsey
Dominick John Dunne
Joseph Harvey Durrell, Jr.
Robert Nicholson Eckardt
William Higbie Eddy, Jr.
Björn Hanspeter Engelhardt
Howard Weir Erskine
William Bowman Falconer, Jr.
William Blashfield Field
Peter Stevenson Finlay
James Cameron Forsyth
Irving Patrick Fox, cum laude
Joel Stuart Freedman
James Lloyd Fri, Jr.
Russell Bailey Frost, cum laude
Frederick Virginius Geier, Jr.
Walter Eugene Geier
A. Richard Goodman, cum laude
Andrew Latimer Goodrich
George Herbert Goodrich
Lawrence Gourlay
Edgar Jacob Graef, Jr., cum laude
Samuel Huiet Graybill, Jr.,
    cum laude

*Member of Phi Beta Kappa

150
DEGREES

Alan Campbell Harter
Victor Eugene Heerman, Jr.
William Morgenthau Heineman
John Hollister Hendee, Jr.
Gerald Olney Herndon
John Alden Herndon
Donald Edward Hewat
Kenneth Taggard Hoeck, Jr.
*Richard Irving Hornbeck,
  CUM LAUDE
Donald Raymond Hughes
Charles Richard Huntington
George Alvan Hyde, Jr., CUM LAUDE
Charles Blystone Jarrett, Jr.
Robert Woodall Johnston,
  Posthumously
Kenneth Woodward Jones
Robert Holmes Jones
Howard Kaufman, CUM LAUDE
Giles Merrill Kelly
Henry Martin Klein, Jr.
Andrew Alexander Lambert
Robert Ames LeCount
Donald Francis LeSage
*Fred Whiting Logan, CUM LAUDE
John Thomas Logan
Theodore Oakley Lohrke
Robert Howard Lovett
Francis Bradley Lynch, CUM LAUDE
*James Burns McClements, III,
  SUMMA CUM LAUDE
Edward Michael Madden
Robert Martin Mahoney, Jr.
Harry Carl Markle, Jr.
John Mason, III
Edwin Post Maynard, III,
  CUM LAUDE
Cyrus Mayshark
Robert Paul Messimer
William Elliott Moody
Hugh Landon Morrow

*James Stevenson Munro,
  MAGNA CUM LAUDE
Harold Edward Neave, Jr.
Gerald Francis O’Brien, Jr.,
  CUM LAUDE
Walter Lawrence Olesen
Paul Wybrants Orr
Richard Weatherby Overton
Jerome Foote Page, Jr.
Frederic James Perry
Thomas William Petersen
Peter R. Pettler
Edward Thomas Pieper
Oren Taft Pollock
Roger Danforth Potter
Donald Gilbert Rackerby
Robert Gaunt Ray
*Benjamin Huger Read, CUM LAUDE
James Alexander Reid
*Hal Frank Reynolds,
  MAGNA CUM LAUDE
Robert Thompson Reynolds
DeLancey Rochester, III
David Rockwood
Paul Eloby Ruedemann
Allan Field Schaufler
Frederick McIntyre Scribner, Jr.
Douglas Tewksbury Shaw
Wallace Shugg
Gordon Lathrop Smith
James Hayes Smith
John Llywelyn Nevill Smythe
Lewis Summerl Somers, III
John Amos Stillwell, CUM LAUDE
Peter Wurlitzer Stites
Henry Strong
Wilbur Martindale Swan,
  CUM LAUDE
Peter LeRoy Sylvester, CUM LAUDE
Austin Brockenbrough Taliaferro
*Robert Scott Taylor, CUM LAUDE
Stuart John Templeton, Jr.

*Member of Phi Beta Kappa

151
DEGREES

*John Wurlitzer Thoman, 
  *Lyndon Hawkins Wells, Jr. 
  George Chesebro Thomason 
  Lyndon Hawkins Wells, Jr. 
  William Chessman Turner 
  Richard Wagner Wells, Jr. 
  Charles Sawyer Turpin, Jr. 
  Charles Mills White 
  George Bassett Turpin 
  Dickson Loos Whitney 
  Lloyd Fraser Tweedy. 
  Henry Patrick Wickham 
  Charles Edward Utley 
  Wilson Wilde 
  Dennison Lyon Volkmann 
  Harold Arthur Wilkinson 
  David Gatchell Waite 
  Richard Heywood Williams, 
  James Elliot Cabot Walker 
  CUM LAUDE 
  Richard Alan Warner 
  George Chesebro Thomason 
  Bryan Webb 
  William Chessman Turner 
  Terrance Ellis Webster 
  Charles Sawyer Turpin, Jr. 
  George Chesebro Thomason 
  George Bassett Turpin 
  John Philip Worcester 
  Lloyd Fraser Tweedy. 
  Charles Edward Utley 
  Dennison Lyon Volkmann 
  George Chesebro Thomason 
  David Gatchell Waite 
  Charles Sawyer Turpin, Jr. 
  James Elliot Cabot Walker 
  Richard Alan Warner 
  Bryan Webb 
  Terrance Ellis Webster 
  George Chesebro Thomason 
  William Chessman Turner 
  Charles Sawyer Turpin, Jr. 
  George Bassett Turpin 
  Lloyd Fraser Tweedy. 
  Charles Edward Utley 
  Dennison Lyon Volkmann 
  David Gatchell Waite 
  James Elliot Cabot Walker 
  Richard Alan Warner 
  Bryan Webb 
  Terrance Ellis Webster 

BACHELOR OF ARTS WITH HONORS

*Kenneth Haley Armstrong, Economics, CUM LAUDE 
*Kenneth Haley Armstrong, Economics, CUM LAUDE 
*Wallace Barnes, Economics, CUM LAUDE 
  Jonathan Trumbull Belknap, Economics, CUM LAUDE 
*Peter Dimitriyevitch, Economics, CUM LAUDE 
*James Hamilton Geer, Mathematics, CUM LAUDE 
  Patrick Clifford Graney, Jr., American History and Literature, CUM LAUDE 
*Colin Wallace McCord, Chemistry, CUM LAUDE 
*Edwin Noel Perrin, English, CUM LAUDE 
*James Champlin Waugh, English, CUM LAUDE 
  Richard Oscar Weber, Political economy 

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*William Hughlett Adkins, II, English, CUM LAUDE 
  Frank Myrick Ash, Biology, CUM LAUDE 
*Richard Bruce Bilder, Political Economy, MAGNA CUM LAUDE 
*David Macpherson Clarkson, Philosophy, MAGNA CUM LAUDE 
  William Horace Diment, Geology, CUM LAUDE 
  John Joseph Glancy, Biology 
*James Benno Greene, Jr., Political Science, CUM LAUDE 
*Alvin Bernard Kernan, English, CUM LAUDE 
*Edwin Kuh, Economics, CUM LAUDE 
*Harry Cowpland McDaniel, Chemistry, CUM LAUDE 
*Harry Martyn Scoble, Jr., Political Science, MAGNA CUM LAUDE 
  Joseph Takamine, Biology, CUM LAUDE 
*Stanley L. Whetstone, Jr., Physics, SUMMA CUM LAUDE 
*Robert Dunkle Worley, Physics, SUMMA CUM LAUDE 
*Member of Phi Beta Kappa
MASTERS OF ARTS
Fielding Brown
Arthur James Catotti
Lewis Martin Lawton, Jr.
*Michael Winfield McKay
John William Townsend, Jr.

HONORARY DEGREES
June, 1949
DOCTOR OF LAWS
THOMAS EDMUND DEWEY
PAUL HOFFMAN
TELFORD TAYLOR

DOCTOR OF HUMANE LETTERS
THOMAS HERBERT JOHNSON
WALTER FRANCIS SHEEHAN

DOCTOR OF DIVINITY
CHARLES CASPER NOBLE

DOCTOR OF SCIENCE
MERLE ANTONY TUVE

MASTER OF ARTS
LOUIS DEFOREST DOWNER

DEGREES CONFERRED IN OCTOBER, 1949
BACHELOR OF ARTS
Gordon Ross Seymour Smith
Richard Charles Stewart

DEGREES CONFERRED IN FEBRUARY, 1950
BACHELOR OF ARTS
Alfred M. Crane
Paul Hamsher Hartman, Jr.
Peter Herrick
William Mulcahy
James Gardner Seaman
Howard Rhys Taylor
Herbert Charles Vance
Donald Wood
Benjamin Marvin Newmark, CUM LAUDE

*Member of Phi Beta Kappa
LIST OF STUDENTS

STUDENTS ENROLLED IN 1949-50

GRADUATE STUDENTS

Norman Smith Beyer, B.S., 1947
*Physics*, Illinois Institute of Technology

Norman John Beckman, B.A., 1949
*Physics*, Lawrence College

Ernest John Bianco, B.S., 1949
*Chemistry*, College of the Holy Cross

Charlton Edward Davis, B.S., 1949
*Physics*, Lawrence College

Robert Paul Desch, B.S., 1948
*Chemistry*, Muhlenberg College

Charles Henry Heuer, B.A., 1945
*Physics*, Williams College

Charles Godwin Irish, Jr., B.S., 1949
*Physics*, Washington College

Leo Joseph McCue, B.A., 1949
*Physics*, Kansas State Teacher's College

Gilbert Emerson Merrill, B.S., 1948
*Biology*, Tufts College

Henry Peper, B.S., 1949
*Chemistry*, University of Cincinnati

David Miller Sutherland, B.A., 1948
*Chemistry*, Washington-Jefferson College

Dudley Shepard Taft, B.A., 1948
*Physics*, Williams College

Hammond, Ind.
Appleton, Wisc.
North Adams
Rock Island, Ill.
Allentown, Pa.
Hubbard Woods, Ill.
Baltimore, Md.
Emporia, Kans.
Danvers
Port Washington, N. Y.
Lowell
Williamstown

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LIST OF STUDENTS

Chapman, Alger Baldwin, Jr. '53
Chapman, Donald Sherwin '51
Chapman, Leonard Ward '53
Chase, Cornelius Thurston, IV '52
Chasteney, Edward Augustus, III '52
Cherry, George Frederick '51
Chesbro, John Severance '53
Chesbrough, William Lowe '50
Childs, Edward Raymond, Jr. '51
Chinman, Richard Allan '51
Chisolm, Oliver Beirne, Jr. '50
Christman, Peter Elliot '53
Clarey, John Edward, III '52
Clarey, Wilbur Bradford '51
Clarke, Allen Gordon, Jr. '51
Clarke, Charles Henry, II '52
Cleary, John McAlister '53
Clifford, John Cooley '50
Clifford, Paul Bancroft '53
Cobb, Oliver Ellsworth '52
Cocks, Robert Leeds '53
Colbert, Edward Matthew, Jr. '50
Coldwell, Charles William '50
Coleman, Douglas Rulison, Jr. '50
Collins, Edward Colwell, Jr. '52
Collins, Henry Royer '50
Collins, Philip Sheridan, II '50
Comfort, John '50
Comiskey, Daniel Campbell '52
Como, Joseph Allen '51
Comstock, Daniel Frost, Jr., ex '49-N '51
Conant, Barton Currie, ex '49-J '51
Congdon, Theodore Grosvenor '51
Connolly, Peter Francis '53
Conovitz, Martin '53
Conroy, Thomas Michael, Jr. '50
Conway, James Stuart '51
Cook, Jerome George '53
Cook, Philip Sidney '51
Cool, Stuart Howard '50
Cooper, Anthony Ashley '50
Cooper, Ransford Stevens '52
Cornell, Peter Haviland '52

Loudonville, N. Y.
Rochester, Mich.
Seacliff, N. Y.
Deerfield
Wayne, Pa.
Toledo, Ohio
Williamstown
Grosse Pointe, Mich.
Dover, N. H.
Flushing, N. Y.
Scarsdale, N. Y.
New Rochelle, N. Y.
Squirrel Island, Me.
Squirrel Island, Me.
Atlanta, Ga.
Seattle, Wash.
Highland Park, Ill.
Excelsior, Minn.
Weston
New York, N. Y.
Port Washington, N. Y.
Williamsboro
Bronxville, N. Y.
Harbourton, N. J.
Stamford, Conn.
Turners Falls
New York, N. Y.
Greenwich, Conn.
Needham
Williamstown
Lincoln
Garden City, N. Y.
Providence, R. I.
Newton
Flushing, N. Y.
Cincinnati, Ohio
Shaker Heights, Ohio
Bronxville, N. Y.
Northampton
Westport, Conn.
New Britain, Conn.
Syracuse, N. Y.
Scarsdale, N. Y.
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Corwin, Roger Carlton '52
Cosgriff, Peter '53
Costikyan, Thomas Wilson '51
Couch, William Cornelius '52
Coulter, Robert Ogilvie '53
Craig, Peter Thirkfield '53
Cramer, Paul Robert '52
Crane, Alfred, ex '48-N F '50
Craven, William James '51
Cremeans, John Eberly '50
Cremin, Robert Haviland '51
Crittenden, Richard James '52
Crosby, James Edgerton, Jr. '51
Curtis, Edward Peck '51
Curtis, Elliot '52
Cutler, James Dunmore '53

Dahling, William Dupont '50
Daley, Royston Tuttle '51
Dalrymple, Stewart Chittenden, ex '49-N '50
Dalton, Richard Ford '52
Damon, Gordon Hopper '52
Danforth, Nicholas, Jr., ex '49-J '51
Davis, James Bolton '50
Davis, Wallace McRae, Jr. '50
Davis, William Charles '50
Day, John Franklin '50
Day, Warner Burnham, Jr. '51
Deane, Richard Lytle '50
Debevoise, Peter Huntington '51
Decker, David Francis '53
DeLaney, Robert John, Jr. '53
Delany, Kevin Francis Xavier '50
DeLisser, Peter '51
de Moustier, Jacques Marie Renaud '53
DePopolo, Robert '53
Detmer, Martin Joseph '50
Dewey, Joseph Eaton '51
Dickens, John Houston '50
Dickerman, Sherwood Elliot '50
Dickinson, Roger Allyn '51
Dighton, John Basil '53
Dinkey, Charles Eugene, III '52

Darien, Conn.
Denver, Colo.
Montclair, N. J.
Watertown, N. Y.
Cohasset
Blanchester, Ohio
Amherst
New York, N. Y.
North Adams
Baltimore, Md.
Larchmont, N. Y.
Milwaukee, Wisc.
Ridgewood, N. J.
Rochester, N. Y.
Maynard
West Newton

Grosse Pointe, Mich.
Belmont
Wayzata, Minn.
Wellesley
Honolulu, T. H.
New York, N. Y.
Spring House, Pa.
New Orleans, La.
Ocean City, N. J.
East Williston, N. Y.

Hingham
Stamford, Conn.
South Orange, N. J.
Johnson City, N. Y.
Elmira, N. Y.
Brooklyn, N. Y.
Baldwin, N. Y.
Paris, France
Waban

Highland Park, Ill.
Cleveland, Ohio
Milwaukee, Wisc.
Williamstown
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New York, N. Y.
Pittsburgh, Pa.
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LIST OF STUDENTS

Fargo, Bronson '51
Farley, Donald Eugene '51
Farmer, Clifford Myrick '50
Farrington, Brendan John '51
Farrow, Edward Windsor '50
Faurot, David de Ferrier '53
Fawcett, William Vaughn Moody, Jr. '50
Fay, David Ward '51
Feely, Robert Moriarty '50
Fell, Joseph Phineas, III '53
Ferguson, John Palmer '50
Ferguson, Robert Gracey, Jr. '53
Ferrara, John Thomas '52
Ferri, John Joseph '51
Ferry, Theodore Kennard, Jr. '50
Fetterolf, Peter Lord '53
Field, John Hinrichs '51
Fields, Allyn Young '52
Fischer, David Seymour '52
Fish, Mitchell '51
Fisher, Harris Baldwin, III '51
Fiske, George Whitney, Jr. '51
Fitch, Daniel Grover '53
Fitch, Lawrence Elliott, Jr. '50
Fitzpatrick, John '52
Fitzpatrick, Joseph William, Jr. '50
Flaherty, Walter '53
Fletcher, Albert Hull '53
Fletcher, William Morton '53
Foley, Eugene Freeman, Jr. '51
Forster, John Montgomery, IV '50
Foss, Clifton Macy, Jr. '51
Foster, Douglas '52
Fowle, Richardson '50
Fox, Edward Alexander, Jr. '51
Frankenheimer, John Michael '51
Fraser, John Malcolm '51
Frazier, Harry, III '51
Frazier, Malcolm John Paul '51
Freeman, John Henry '53
Freese, John Wilke '52
French, John Brand '51
French, Robert Heysham Sayre '53

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Ithaca, N. Y.
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Troy, N. Y.
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Manhasset, N. Y.
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West Barrington, R. I.
Jenkintown, Pa.
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Washington, D. C.
Brooklyn, N. Y.
Greenwich, Conn.
Greenwich, Conn.
Morris Plains, N. J.
Kensington, Md.
Rochester, N. Y.
Williamstown
Williamstown
Brooklyn
Wilder, Vt.
White Plains, N. Y.
Huntington, N. Y.
St. Davids, Pa.
Portland, Me.
New Hartford, N. Y.
Thetford, Vt.
Oak Park, Ill.
Malba, N. Y.
New Hartford, N. Y.
Charlottesville, Va.
Honolulu, Hawaii
Gouverneur, N. Y.
Fort Worth, Tex.
Concord
Southboro
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</tbody>
</table>
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Greer, John Kirk '51 Rye, N. Y.
Gregg, Donald Phinney '51 Hastings-on-Hudson, N. Y.
Gregor, David Gilbert, Jr. '51 Watertown, N. Y.
Gregory, Donald Cameron '51 Hamburg, N. Y.
Gregory, Frank Gilbert, Jr. '50 Hamburg, N. Y.
Gregware, Philip Hayes '52 Troy, N. Y.
Gribi, Stephen George '52 Rye, N. Y.
Griffenberg, Elbert Dickinson, Jr. '52 Wilmington, Dela.
Griffin, Robert Melville, Jr. '51 Washington, D. C.
Griffiths, Anthony Frear '53 New York, N. Y.
Griggs, John Cornelius, II '50 Greenwich, Conn.
Griggs, Kendrick Luther '50 West Hartford, Conn.
Grout, Cornell MacDonald '53 Irvington-on-Hudson, N. Y.
Groves, Stephen Goodrich '53 Minneapolis, Minn.
Guder, Robert Fleming '50 Plandome, N. Y.
Gurney, Albert Ramsdell, Jr. '52 Buffalo, N. Y.
Gushee, Edward Tisdale, Jr. '50 Detroit, Mich.

Haas, John Edward '52 Gettysburg, Pa.
Hall, Burton Harrington '51 South Orange, N. J.
Hall, John Arthur '53 Wellesley Hills
Halleck, Charles White '51 Washington, D. C.
Harmony, Charles Forrest '52 New York, N. Y.
Hampton, Kenneth Muller '51 Belmont
Hammer, Donald Edwin '53 Marblehead
Hardman, Jack Winchester, ex '49-J '50 Rocky River, Ohio
Harkins, Daniel Drury '53 Berlin, Germany
Harrington, Michael Gene '53 Piedmont, Calif.
Harris, Charles Conrad '52 Cleveland Heights, Ohio
Harris, John Carlile '52 Highland Park, Ill.
Harrison, David Kent '53 Belmont
Harrison, Timothy Arnett '50 Columbus, Ohio
Hartel, Charles Warrington '51 Weston
Hartman, Paul Hamsher, Jr., ex '47-J F-50 Plattsburg, N. Y.
Hartnett, George Francis, Jr. '53 Wilmette, Ill.
Harvey, James Wallace '52 Belmont
Haskell, James Slater '52 Williamstown
Haskell, Schuyler Schenck '50 Toledo, Ohio
Hastings, Joseph Corlies '51 Haverford, Pa.
Hastings, Richard Weeks '51 Worcester
Hatch, Alvin Henry, ex '49-M '50 Marblehead
Hatch, William Cottrell '52 Cleveland, Ohio
Hathaway, Robert Lawton '53 Tiverton, R. I.
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**LIST OF STUDENTS**

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</table>
LIST OF STUDENTS

Lovell, John Prince, III '50 Pawtucket, R. I.
Lund, John Soreno '51 Rochester, N. Y.
Luther, Michael '51 Cambridge Newton Highlands
Luthy, Martin Peter, Jr. '51 Brooklyn, N. Y.
Luttgte, Barrie '53 Fall River Washington, D. C.
Lynch, James Brady '51
Lyons, Francis Russel, ex '49-M '51

McAleenan, George Mark '52 Bronxville, N. Y.
McAlloon, John Bernard '52 Newton Centre
McComb, Donald, ex '50-O '50 Poughkeepsie, N. Y.
McCombe, John Samuel '51 Lisbon, Ohio
McConnell, Francis John '50 Wilmette, Ill.
McCormick, Donald Dean, Jr. '52 Highland Park, Ill.
McCredie, William Black '50 Elgin, Ill.
McDermott, John Henry '53 Chicago, Ill.
McDonald, Duncan Keith '50 Washington, D. C.
McElroy, John Joseph, III '52 Merion Station, Pa.
McElroy, Joseph Prince '51 Brooklyn, N. Y.
McGill, Robert Ernest, III '53 Cincinnati, Ohio
McGowan, Gerald Raymond '53 Westfield
McGregor, William Albert, Jr. '51 Bronxville, N. Y.
McGrew, Kenneth Stayman '53 Winnetka, Ill.
McGregory, John Francis '50 North Adams
McKelvy, Charles Lockhart, Jr. '52 Perrysburg, Ohio
McKeon, James John '51 North Adams
McKinney, Peter Starkweather '53 Culver, Ind.
McLaughlin, Peter Brewer '53 Lake Forest, Ill.
McLean, Albert Forbes, Jr. '51 Wilton, N. H.
McMath, John Norman, Jr. '52 New Rochelle, N. Y.
McNally, Daniel Neil '52 Indianapolis, Ind.
McNerney, Norris James '51 Toledo, Ohio
McVicker, Paul Richard '53 Niagara Falls, N. Y.
McWilliams, Gordon Brown '51 Williamstown
MacDonald, Donald Ian '52 Stony Brook, N. Y.
MacLachlan, David Blair '52 West Newton
Maclay, William Read '52 New York, N. Y.
MacManus, Frank Alvin '52 Wellesley Hills
MacNeil, John Wallace '51 Newton
Mack Nicol, Allan Edward, Jr. '52 Rye, N. Y.
Madden, Hannibal Hamlin, Jr. '52 Washington, D. C.
Madsen, Per Albin '50 Copenhagen, Denmark
Mahoney, Daniel O'Connell '50 Mattapoisett
LIST OF STUDENTS

Malcom, John Winthrop '52  Norfolk, Conn.
Mann, Timothy Charles Nelson '51  New Rochelle, N. Y.
Mann, Wallace Vernon, Jr. '51  Bryn Mawr
Manning, James Forrest '52  Harrison, N. Y.
Marble, William Frederick '50  Upper Montclair, N. J.
Marchese, Robert Hector '50  Springfield
Markgraf, J. Hodge '52  Cincinnati, Ohio
Markovic, Z. Matthew '52  Brod, Yugoslavia
Marshall, Donald George '53  Newark, N. J.
Marshall, Wentworth John, Jr. '53  Shaker Heights, Ohio
Martin, Donald Sonderman '52  Schenectady, N. Y.
Martin, George Howard '52  Glencoe, Ill.
Martin, James Paul '53  Brooklyn, N. Y.
Martin, Keith '51  Williamstown
Martin, Milward Wyatt '53  Maplewood, N. J.
Martin, Philip Lidstone '50  Milton
Marvin, John Howland '50  Montclair, N. J.
Marvin, Joseph Edward '50  Washington, D. C.
Mason, Lowell, Jr. '51  Fall River
Mason, Ralph Clinton, Jr. '50  Bronxville, N. Y.
Mason, Raymond Allsop '50  Stratford, Conn.
Mauck, Frederic Taylor '53  Williamstown
Mauck, Ward Laquette '53  Williamstown
Maxon, Glenway William '51  San Francisco, Calif.
Maxwell, Clyde Everett, III '51  Port Kennedy, Pa.
May, Ernest Nugent, Jr. '51  Port Kennedy, Pa.
May, Irénée duPont '50  Milwaukee, Wis.
May, James Brendan '51  Buffalo, N. Y.
Mead, Peyton Hoge, ex '49-J '50  Wilmington, Dela.
Meagher, Henry Coupe '50  Wilmington, Dela.
Meeske, Donn Strickland '52  Rockville Centre, N. Y.
Megna, Phillip Eugene '51  West Hartford, Conn.
Megowen, William John '52  Poughkeepsie, N. Y.
Merselis, John Gaston '53  Brooklyn, N. Y.
Merwin, Donald John '50  Belmont
Metzger, Carl John '53  Cleveland Heights, Ohio
Meyers, Victor '53  South Orange, N. J.
Mezey, Peter '52  Beechhurst, L. I., N. Y.

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Highland Park, Ill.
Stevens Point, Wisc.
Greenwich, Conn.
Pittsford, Vt.
Buffalo, N. Y.
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Moscow, Pa.
Ebenecr, N. Y.
Chestnut Hill, Old Greenwich, Conn.
Hubbard Woods, Pa.
Bryn Mawr, Pa.
Omaha, Neb.
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Darien, Conn.
Worcester, Ridgewood, N. J.
Wellesley Hills, Milton
Binghamton, N. Y.
Wyomissing, Pa.
Brightwater, N. Y.
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Wernersville, Pa.
San Antonio, Tex.
North Adams, New Gardens, N. Y.
Watertown, Conn.

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LIST OF STUDENTS

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Palmer, Richard Morgan '50
Palmer, Walter Vail '52
Palmieri, Vivian Joseph, Jr. '50
Park, David Julian '50
Park, Jonathan '52
Parker, Charles Pomeroy '51
Parker, Patrick Streeter '51
Partington, William Moores, Jr. '50
Paton, William Kennell, Jr. '51
Patterson, Thomas '50
Peabody, Alexander Stuart, Jr. '50
Peirce, Otis Pratt '53
Pelham, Peter Dunlap '52
Pelkey, Wesley Joseph '53
Perkins, Leigh Haskell '50
Perry, Blair Lane '51
Perry, Crosby Buell '51
Perry, Osgood Endecott '53
Petersen, Carl David '53
Pew, Frederic Cline, III '52
Peyser, Frederick Maurice, Jr. '50
Peyton, Paul Lesson, Jr., ex '48-N '50
Phelps, Charles Blanchard, III '53
Philips, John Judson '52
Pickard, Henry Austin, Jr. '52
Pierson, Davison '53
Pihlerantz, Robert Arnold '50
Pike, John Abbott '53
Pinkerton, Stevens Van Ostrand '50
Plumb, Raymond Francis '50
Plummer, Comer, Jr. '52
Plump, Ellsworth Herman '52
Pollock, Peter Leonard '51
Poole, Herbert Sheldon '51
Porter, Hugh Alexander '52
Porter, Richard Corbin '53
Post, Alexander Commins '53
Potter, Howard Ewen '53
Potter, Hugh McClellan, III '53
Potter, Theodore Webber '53

New York, N. Y.
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Pelham, N. Y.
Darien, Conn.
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Columbus, Ohio
South Orange, N. J.
Shaker Heights, Ohio
Fall River
Dover, Dela.
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Birmingham, Mich.
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Winchester
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LIST OF STUDENTS

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Schenck, Hilbert van Nydeck, Jr. '50
Schlosser, Alfred Martin '51
Schluter, John Adolph, ex '50-O '51
Schmidt, Charles August, Jr. '53
Schneider, William Tracy '52
Scholtz, Charles Julius '52
Schow, Howard Bernard '50
Schreck, Albert Roland '52
Schreier, Henry Charles, Jr. '53
Schumann, Ward Ford '50
Schur, Edwin Michael '52
Schwarzmann, Frederick Gustav '50
Scotfield, Lansing Guion '53
Scott, Walter Dill '51
Seager, George Bradley, Jr. '50
Seaman, James Gardner, ex '49-M F-50
Sedgwick, David Emery '50
Selly, George William '51
Sentner, Robert Verrill, Jr. '52
Sewell, George Barnard '53
Shanahan, James Gormley '52
Shannon, William Morgan '50
Sharpe, William Percy, Jr. '52
Shay, Allan Robert '50
Shea, James Patrick '53
Shea, John Francis '51
Shechy, Harry Carstons, Jr. '50
Shepardson, John Barret '50
Shepherd, John Roswell '50
Sheret, John Glasion, III, ex '49-J '50
Sheridan, Warren, ex '50-J '51
Shorb, Paul Edgar, Jr. '51
Shorb, Robert Henry '53
Showers, Eric James '51
Shudt, Edwyn Lee '52
Siebert, Otto William, II '50
Siegel, Richard Milo '51
Sikorovsky, Edmond Lee '52

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St. Paul, Minn.
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Princeton, N. J.
Bloomfield, N. J.
New York, N. Y.
Louisville, Ky.
Huntington Station, N. Y.
Larchmont, N. Y.
Garden City, N. Y.
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Smithtown Branch, N. Y.
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Port Washington, N. Y.
Corpus Christi, Tex.
Pittsburgh, Pa.
Sewickley, Pa.
Kirkwood, Mo.
Scotch Plains, N. J.
Holyoke
Holyoke
Garden City, N. Y.
Wallingford, Conn.
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Ogdensburg, N. Y.
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Washington, D. C.
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Sillcox, Robert Lewis '53
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Simpson, Howard Russell, ex '48-N '50
Simpson, John MacLane '52
Simpson, Walter Robert '52
Sims, Frank McNair '53
Singer, Arthur Louis, Jr. '50
Slocum, Joel Byron '52
Smith, Berry Cushing '51
Smith, Cooper, Jr. '52
Smith, Eric Peter '52
Smith, Everett John '51
Smith, Frederick Lawrence '50
Smith, Gilbert Leroy, Jr. '53
Smith, Herbert Ludlam, III '53
Smith, Howard William '51
Smith, Paul Revere, Jr. '50
Smith, Phillips '53
Smith, Raymond, ex '48-M \( F^*52 \)
Smith, Robert Jacquelin, Jr., ex '50-O '51
Smith, William Usher '52
Smythe, Charles Loomis, Jr. '51
Snare, William Dulles '51
Snyder, John Bennett '51
Somberby, Richard Alfred '52
Sondheim, Stephen Joshua '50
Spaeth, Daniel Gerard, ex '49-J '50
Speck, Donald Jay '51
Spencer, Earle Franklin, Jr. '50
Spencer, William Gil '50
Sperry, William Elliott '51
Sprung, Arthur Edward '50
Squires, Richard Curtis '53
Stabler, Walter '50
Stack, Edward Gerard, ex '50-O \( F^*51 \)
Stackhouse, Edward Levis '50
Stamper, David Applegate '50
Stanley, Caleb Willard '50
Stebbins, Edward Clinton '51
Stege, George Henry, III '50
Stege, George Richard, III '53
Steinbrenner, George Michael, III '52

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Winchester
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Rochester, N. Y.
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Beverly
Short Hills, N. J.
Clearfield, Pa.
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Dorset, Vt.
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Bay Village, Ohio
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Sterling, Peter Dykeman '53
Stern, Walter Phillips '50
Stevens, Henry William, II '52
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Stewart, Sidney Andrew, Jr. '50
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Stoneham, Charles Ernest '53
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Stowers, Clifton Heald, Jr. '50
Stroh, William Charles Herbert, III '52
Stuart, Rodney Warren '53
Sucoff, Edward Michael '53
Suessbrick, William Frederick, Jr. '53
Sullivan, Theodore Robert '53
Sumner, George Channing, Jr. '52
Sutton, Harry Livingstone, Jr., ex '49-J '50
Svenson, Otto Ivar, Jr. '50
Swift, Emerson Howland, II '52
Sylvestre, John, Jr. '52
Symington, Charles Harrison, Jr. '53
Sziklas, Edward Amory '51
Sziklas, John Justus '51

Taylor, Alfred Hendricks, Jr. '52
Taylor, Benjamin Nichols, ex '49-M '50
Taylor, Howard Rhys, ex '47-N F-'50
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Terry, Frederick Arthur, Jr. '53
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Thomas, Joseph Alfred '53
Thomas, Wallace Jacks '52
Thompson, Robert Lindsay '53
Thompson, Warren, Jr. '52

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Rye, N. Y.
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Memphis, Tenn.
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South Portland, Me.
Colorado Springs, Colo.
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North Leominster
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Seaside
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Wellesley Hills
Wellesley Hills

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Bellingham, Wash.
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Rye, N. Y.
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Collinsville, Conn.
Omaha, Neb.
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**LIST OF STUDENTS**

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### ENROLLMENT BY CLASSES

#### ENROLLMENT BY CLASSES, SEPTEMBER, 1949

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#### ENROLLMENT BY CLASSES, FEBRUARY, 1950

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ENROLLMENT BY STATES

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