

Volume XXX, No. 1

January, 1930

DENISON UNIVERSITY BULLETIN

Catalogue Number
for the Year 1929-1930



GRANVILLE, OHIO

*The University Bulletin is issued bi-monthly and entered at the Post Office in
Granville, Ohio, as mail matter of the Second Class.*



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Denison University Bulletin

The Ninety-ninth

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For the Year 1929-1930

with announcements for the year 1930-1931



Prepared by the Committee on Catalogue
and published for the University at

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For information concerning Granville and Shepardson Colleges

Address

CLARENCE M. EDDY, DIRECTOR OF ADMISSIONS

Granville, Ohio

The Conservatory of Music

KARL H. ESCHMAN, DIRECTOR

Granville, Ohio

Denison Summer School

FREDERICK G. DETWEILER, DEAN

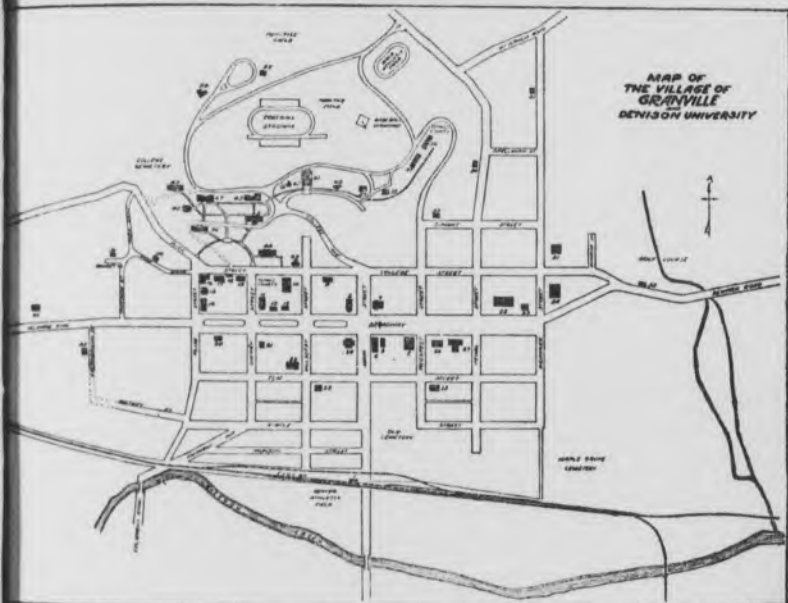
Granville, Ohio

All gifts, legacies and bequests for any department of the University or any phase of its work should be made payable to

DENISON UNIVERSITY

Granville, Ohio.

MAP OF
THE VILLAGE OF
GRANVILLE
DENISON UNIVERSITY



- | | |
|---------------------------------|---------------------------------|
| 1. Railroad Station. | 29. Sigma Chi House |
| 2. Post. Office, Alumni Office. | 30. High School Building |
| 3. Episcopal Church | 31. Old School Building |
| 4. Town Hall | 32. Club House, Golf Course |
| 5. Doane Academy (Admin.) | 33. Alpha Theta Sigma House. |
| 6. | 34. Alpha Tau Delta House |
| 7. Methodist Church. | 35. Theta Gamma Alpha House |
| 8. Presbyterian Church. | 36. Sawyer Hall |
| 9. Shepardson Club | 37. Beaver Hall |
| 10. Wigwam | 38. Gilpatrick Hall |
| 11. Conservatory & Recital Hall | 39. Colwell House (Dining Hall) |
| 12. East Cottage (Hospital) | 40. Swasey Observatory |
| 13. Baker Cottage | 41. Swasey Chapel |
| 14. Stone Hall | 42. President's Home |
| 15. King Hall | 43. Talbot Hall |
| 16. Dining Hall (Lower Campus) | 44. Cleveland Hall |
| 17. Burton Hall | 45. Chi Psi Delta House |
| 18. Sawyer Cottage | 46. Barney Science Hall |
| 19. Doane Gymnasium | 47. Marsh Hall (A. C. C.) |
| 21. Kappa Phi House | 48. Doane Library |
| 22. Parson's Hall | 49. Chemistry Cottage |
| 23. Dr. Williams' Residence | 50. Phi Phi Phi House |
| 24. Baptist Church | 51. Sigma Delta Phi House |
| 25. Sigma Alpha Epsilon House | 52. Lambda Chi Alpha House |
| 26. Town Library | 53. Kappa Sigma House |
| 27. Phi Gamma Delta House | 54. Phi Delta Theta House |
| 28. Granville Inn | 55. Beta Theta Pi House |

THE FAMILY OF THE
CALENDAR FOR 1980

JANUARY.							FEBRUARY.							MARCH.							APRIL.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30	31					29	30	31					29	30	31				

MAY.							JUNE.							JULY.							AUGUST.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30	31					29	30	31					29	30	31				

SEPTEMBER.							OCTOBER.							NOVEMBER.							DECEMBER.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30						29	30	31					29	30	31					29	30	31				

THE FAMILY OF THE
CALENDAR FOR 1981

JANUARY.							FEBRUARY.							MARCH.							APRIL.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30	31					29	30	31					29	30	31				

MAY.							JUNE.							JULY.							AUGUST.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30	31					29	30	31					29	30	31				

SEPTEMBER.							OCTOBER.							NOVEMBER.							DECEMBER.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30						29	30	31					29	30	31					29	30	31				

The University Calendar

1930

Spring Recess begins	Friday	March 28, 12:00 M.
Spring Recess ends	Monday	April 7, 2:00 P.M.
Memorial Day (holiday)	Friday	May 30
Final Examinations	Monday-Thursday	June 2-5
Meeting of Board of Trustees	Saturday	June 7
Alumni Day	Saturday	June 7
President's Reception	Saturday	June 7
Baccalaureate Sermon	Sunday	June 8
Commencement Day	Monday	June 9

SUMMER SESSION—June 12-August 9, 1930

COLLEGE YEAR 1930-1931

First Semester Opens	Monday	September 15
Freshman Week	Monday-Thursday	September 15-18
Registration of Former Students	Wednesday	September 17
Registration of New Students	Thursday	September 18
Classes Organized	Friday	Sept. 19, 8:00 A.M.
First Convocation	Friday	Sept. 19, 12:00 M.
Thanksgiving Recess	Thursday-Friday	November 27-28
Christmas Recess begins	Friday	Dec. 19, 3:15 P.M.

1931

Christmas Recess ends	Tuesday	Jan. 6, 8:00 A.M.
Mid-Year Examinations	Monday-Thursday	January 26-29
First Semester ends	Friday	January 30
Second Semester begins	Monday	Feb. 2, 8:00 A.M.
Washington's Birthday (holiday) (Founders' Day)	Sunday	February 22
Spring Recess begins	Friday	Mar. 27, 3:15 P.M.
Spring Recess ends	Monday	April 6, 2:00 P.M.
Memorial Day (holiday)	Saturday	May 30
Final Examinations	Monday-Thursday	June 8-11
Commencement	Monday	June 15

Board of Trustees

OFFICERS OF THE BOARD

REV. HERBERT F. STILWELL, A.M., D.D., LL.D., PRESIDENT
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DAVID E. GREEN, B.S., LL.B., SECOND VICE PRESIDENT
REV. MILLARD BRESFORD, A.B., D.D., SECRETARY
EDWARD CANBY, TREASURER
M. L. BARRINGER, ASSISTANT TREASURER

MEMBERS

Ex-Officio

President of the University

Class I—Term Expires June 1930

FRED D. BARKER, PH.M., M.D.Granville

REV. J. LORING CHENEY, A.M., PH.D.East Cleveland
1845 Oxford Road

JACOB R. DAVIES, A.M.Newark
Trust Building

HORACE C. FEIGHT, PH.B.Dayton
Dayton Savings & Trust Co.

JOHN C. HASWELL.Dayton
Dayton Malleable Iron Works

- HOWARD OLMSTED, PH.B.....Cleveland
1722 Keith Building
- VINTON R. SHEPARD, A.M.....Cincinnati
646 Main Street
- REV. HERBERT F. STILWELL, A.M., D.D., LL.D...Philadelphia, Pa.
418 South 44th Street
- AMBROSE SWASEY, D.ENG., Sc.D., LL.D.....Cleveland
Warner & Swasey Co.
- LEWIS R. ZOLLARS.....Canton
R. F. D. 1, Hills and Dales

Class II—Term Expires June, 1931

- HARRY W. AMOS, B.L.....Cambridge
- REV. MILLARD BRELSFORD, A.B., D.D.....East Cleveland
1885 Grasmere Street
- EDWARD CANBY.....Dayton
Computing Scale Co.
- REV. TILESTON F. CHAMBERS, D.D.....Granville
- REV. HENRY T. CRANE, D.D.....Cincinnati
2427 Auburn Avenue
- CYRUS S. EATON, A.M.....Cleveland
Otis & Co., Cuyahoga Building
- JULIUS G. LAMSON.....Toledo
333 Summit Street
- HOWARD LEWIS, A.B.....Toledo
Nicholas Building
- CHARLES H. PRESCOTT.....Cleveland
Saginaw Bay Lumber Co., 2106 W. Third Street

HARRY C. ROYAL.....	Cleveland
Ernst & Ernst, Union Trust Building	
FRANKLIN G. SMITH.....	Cleveland
5401 Hamilton Avenue	
HAROLD E. LAMSON.....	Granville

Class III—Term Expires June, 1932

FREDERICK P. BEAVER.....	Dayton
215 W. Second Street	
CHARLES F. BURKE, PH.B.....	New York City
375 Riverside Drive	
WALLACE H. CATHCART, B.S., L.H.D.....	Cleveland
10700 Euclid Avenue	
WILLARD D. CHAMBERLIN.....	Dayton
113 W. Monument Avenue	
ALFRED M. COLBY, PH.B.....	Mansfield
Dodge Motor Company	
COL. EDWARD A. DEEDS, B.S.....	New York City
52 Wall Street	
DAVID E. GREEN, B.S., LL.B.....	Cleveland
1805 Guarantee Title Building	
PROFESSOR OSMAN C. HOOPER, A.M., L.H.D.....	Columbus
Ohio State University	
REV. HORACE T. HOUF, A.M., B.D.....	Athens
Ohio University	
PERCY L. WILTSEE, A.B.....	Cincinnati
24 W. Ninth Street	
G. HERBERT SHORNEY, B.S.....	Oak Park, Illinois
340 S. Maple Avenue	
W. PORTER BECK, B.S., M.S.....	Wilksburg, Pa.
8971 Eastwood Road	

Committees of the Board of Trustees

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FRANKLIN G. SMITH

MILLARD BRELSFORD
TILESTON F. CHAMBERS

Committee on Finance and Investment

HARRY C. ROYAL, *Chairman*

DAVID E. GREEN.....Term expires 1930
CHARLES H. PRESCOTT.....Term expires 1930
FREDERICK P. BEAVER.....Term expires 1931
WILLARD D. CHAMBERLIN.....Term expires 1931
EDWARD CANBY.....Term expires 1932
EDWARD A. DEEDS.....Term expires 1932

Committee on Budget

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HARRY C. ROYAL

WALLACE H. CATHCART
MILLARD BRELSFORD
FRANKLIN G. SMITH
CLARENCE D. COONS

Committee on Library and Laboratories

HARRY W. AMOS, *Chairman*
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CHARLES H. PRESCOTT
HENRY T. CRANE
HORACE C. FEIGHT

Committee on Instruction

WALLACE H. CATHCART, *Chairman*

ALFRED M. COLBY
TILESTON F. CHAMBERS

MILLARD BRELSFORD
OSMAN C. HOOPER

Committee on Conservatory of Music

OSMAN C. HOOPER, *Chairman*
LEWIS R. ZOLLARS

VINTON R. SHEPARD
FRED D. BARKER
PERCY L. WILTSEE

Committee on Buildings and Grounds

FRANKLIN G. SMITH, *Chairman*

AMBROSE SWASEY
HOWARD OLMSTED

CYRUS S. EATON
EDWARD A. DEEDS

The Faculty of Instruction

(Arranged in order of appointment to present rank)

AVERY ALBERT SHAW

President

A. B., Acadia, 1892; A. M., Acadia, 1895; Grad. Rochester Seminary, 1896;
D.D., Acadia, 1915; L.L.D., McMaster and Bucknell, 1928;
D.C.L., Acadia, 1928.

GEORGE F. MCKIBBEN

Professor Emeritus of the Romance Languages

A.B., Denison, 1875; A.M., Denison; Ph.D., Chicago, 1905.

CHARLES L. WILLIAMS

Professor Emeritus of English Literature and Rhetoric

A.B., Princeton, 1878; A.M., Princeton; L.H.D., Bucknell

BUNYAN SPENCER

Professor Emeritus of Philosophy

A.B., Denison, 1879; A.M., Denison, 1882;
B.D., Morgan Park Seminary, 1885; D.D., Colgate, 1922.

H. RHODES HUNDLEY

Professor and Dean of Doane Academy

A.B., Richmond, 1888; Grad. Crozer Seminary, 1895;
A.M., Denison, 1910; D.Sc., Bucknell, 1900.

WILLIS A. CHAMBERLIN

Professor of Modern Languages

A.B., Denison, 1890; A.B., Harvard, 1891; A.M., Denison, 1894;
Ph.D., Chicago, 1910.

(On leave of absence, second semester, 1929-30)

MALCOLM E. STICKNEY

Professor of Botany

A.B., Bates, 1898; A.M., Harvard, 1900.

PAUL BIEFELD

Professor of Astronomy and Director of Swasey Observatory

B.S. in E.E., Wisconsin, 1894; Ph.D., Zurich, 1900.

FORBES B. WILEY

Benjamin Barney Professor of Mathematics

A.B., Kalamazoo, 1906; A.B., Chicago, 1906; Ph.D., Chicago, 1914.

THOMAS A. LEWIS

Professor of Psychology

A.B., William Jewell, 1905; Ph.D., Johns Hopkins, 1910.

WILLIAM CLARENCE EBAUGH

Professor of Chemistry

B.S., Pennsylvania, 1898; Ph.D., Pennsylvania, 1901.

WALTER J. LIVINGSTON

Professor of Physical Education

B.S., Denison, 1909.

KARL H. ESCHMAN

Professor of Music and Director of the Conservatory

Ph.B., Denison, 1911; A.M., Harvard, 1913.

(On leave of absence, 1929-30)

FREDERICK G. DETWEILER

*Professor of Sociology**Dean of Granville College*

A.B., Denison, 1917; B.D., Rochester Seminary, 1908;

Ph.D., Chicago, 1922.

LINDLEY RICHARD DEAN

Eliam E. Barney Professor of Classical Languages

A.B., Dartmouth, 1909; Ph.D., Princeton, 1914.

ARTHUR WARD LINDSEY

Professor of Zoology

A.B., Morningside, 1916; M.S., Iowa, 1917, Ph.D., Iowa, 1919.

(On leave of absence, first semester, 1929-30)

KATE S. HINES

Librarian Emeritus

A.M., Denison.

FRANK J. WRIGHT

Professor of Geology

A.B., Bridgewater, 1908; A.M., Virginia, 1911; Ph.D., Columbia, 1918.

JOSEPH L. KING

Professor of English

A.B., Richmond, 1913; A.M., Columbia, 1922; Ph.D., Columbia, 1927.

FREDERICK W. STEWART

Professor of Christian Education

A.B., Rochester, 1901; A.M., Rochester, 1907;
B.D., Rochester Seminary, 1914.

CHARLES F. WEST

Professor of Political Science

A.B., Ohio Wesleyan, 1918; A.M., Ohio Wesleyan, 1919;
A.M., Harvard, 1923.

HIRAM L. JOME

Professor of Economics

A.B., St. Olaf, 1918; A.M., Wisconsin, 1920; Ph.D., Wisconsin, 1925.

HELEN A. BARR

Professor of Physical Education

A.B., Wisconsin, 1917.

E. BASIL HAWES

Professor of Education

Ph.G., Starling Med. Col., 1908; B.S., Ohio State, 1913;
M.S., Ohio State, 1914.

BRUCE D. GREENSHIELDS

Professor of Engineering Science

B.S., Oklahoma, 1920; C.E., Oklahoma, 1927.

FRED G. BOUGHTON

Maria Theresa Barney Professor of Philosophy

A.B., Denison, 1894; Grad. Rochester Seminary, 1897;
D.D., Grand Island and Rio Grande, 1925.

PRISCILLA H. FOWLE

Dean of Shepardson College

A.B., Vassar, 1916; A.M., Radcliffe, 1917; Ph.D., Radcliffe, 1920.

LEON E. SMITH

Henry Chisholm Professor of Physics

B.S., Ottawa, 1919; Ph.D., Pennsylvania, 1926.

HAROLD H. TITUS

*Professor of Sociology and Philosophy*A.B., Acadia, 1920; B.D., Rochester Seminary, 1923;
Th.M., Rochester Seminary, 1924; Ph.D., Chicago, 1926.

LIONEL CROCKER

Professor of Speech

A.B., Michigan, 1918; A.M., Michigan, 1921.

AUGUST ODEBRECHT

Professor of Modern Languages

Ph.G., Ohio State, 1895; B.Ph., Denison, 1906; A.M., Denison, 1907.

WILLIAM T. UTTER

*Professor of History*B.S., N. W. Missouri State Teachers College, 1921;
A.M., Chicago, 1924; Ph.D., Chicago, 1929.

ANNA B. PECKHAM

Associate Professor of Mathematics

A.B., Wellesley, 1893; A.M., Denison, 1901.

ANNIE M. MACNEILL

Associate Professor of English

A.B., McMaster, 1903; A.M., Columbia, 1919.

MIRIAM AKERS

Associate Professor of Classical Languages

A.B., Illinois College, 1916; A.M., Univ. of Illinois, 1917.

ERI J. SHUMAKER

Associate Professor of English

A.B., Denison, 1915; A.M., Denison, 1921.

JESSIE D. CRAWFORD

Associate Professor of Christian Education

B.R.E., Boston, 1922; A.M., Boston, 1926.

W. ALFRED EVERHART

Associate Professor of Chemistry

A.B., Miami, 1914; M.S., Lehigh, 1922.

ROWLAND A. SHEETS

Associate Professor of Mathematics

A.B., Denison, 1917; A.M., Denison, 1921.

EDSON RUPP

Associate Professor of Physical Education

Ph.B., Denison, 1913; M. S., Denison, 1923.

W. L. SHARP

Associate Professor of Psychology

A.B., Franklin, 1915; Grad Rochester Seminary, 1918;

A.M., Chicago, 1922; Ph.D., Chicago, 1928.

FANNIE JUDSON FARRAR

Assistant Professor of Music

RICHARD H. HOWE

Assistant Professor of Physics

B.S., Denison, 1920; M.S., Denison, 1925.

ALMA B. SKINNER

Assistant Professor of Modern Languages

Ph.B., Denison, 1905; A.M., Columbia, 1925.

FRANCES BARCOCK CRESSEY

Assistant Professor of Classical Languages

A.B., Chicago, 1893.

JOHN LARMORE

Assistant Professor of English

A.B., Columbia, 1920; A.M., Columbia, 1922.

SIDNEY JENKINS

Assistant Professor in Physical Education

B.S., Denison, 1920.

DANNER LEE MAHOOD

Assistant Professor of English

B.S., Davidson, 1922; M.S., Virginia, 1923.

PAUL B. GREEN

Assistant Professor of English

A.B., Colgate, 1924.

GEORGE D. MORGAN

Assistant Professor of Zoology
B.S., Denison, 1924; M.S., Pittsburg, 1926.

F. DEWEY AMNER

Assistant Professor of Modern Languages
A.B., Colgate, 1923; A.M., Denison, 1927.

MATTIE TIPPETT

Assistant Professor of Mathematics
A.B., Cornell College, 1918; M.S., Chicago, 1924.

A. COLLINS LADNER

Assistant Professor of Mathematics and Engineering
A.B., Brown, 1912; A.M., Brown, 1913.

FRANK R. SOWERS

Assistant Professor of Education
A.B., Miami, 1913; A.M., Baylor, 1924.

THOMAS R. WILEY

Assistant Professor of Modern Languages
A.B., Ohio State, 1923; A.M., Ohio State, 1927.

HARVEY A. DEWEERD

Assistant Professor of History
A.B., Hope College, 1924; A.M., Michigan, 1925.

LEO A. T. HAAK

Assistant Professor of Economics
A.B., Cornell College, 1926; A.M., Iowa, 1928.

ANNIE LOUISE CRAIGIE

Librarian
A.B., Rochester, 1913; B. S., Simmons, 1916.

MARY RECKARD FITCH

Instructor in Voice

WILLIAM WELLS

Instructor in Violincello

HELEN I. BADENOCH
Instructor in Physical Education
B.S., Northwestern, 1923.

SAMUEL GELFER
Instructor in Violin

ALLAN FABER SCHIRMER
Instructor in Voice
B.Mus., Northwestern, 1926.

THOMAS ROGERS
Instructor in Physical Education
Ph.B., Denison, 1925.

WILLIAM N. FELT
Instructor in Modern Languages
A.B., Clark, 1926.
(On leave of absence, 1929-30)

BRAYTON STARK
Instructor in Organ
F.A.G.O., 1928

JOHN H. GILL
Instructor in Wind Instruments

SUE HAURY
Instructor in Piano

HELEN PETROSKY
Instructor in Physical Education
A.B. California, 1923.

FRANKLIN McCANN
Instructor in Geology
A.B. Denison, 1925; A.M., Columbia, 1928.

RICHARD WOELLHAF
Instructor in Speech
A.B., Michigan, 1927.

MARY ELIZABETH BRAHAM

Instructor in Modern Languages

A.B., Westminster, 1927.

GWENDOLEN EDITH CADLEY

Instructor in Education

B.Sc., Ohio State, 1925; A.B., Ohio State, 1926;

A.M., Ohio State, 1929.

EDYTHE M. LOGAN

Instructor in Public School Music

A.B., Muskingum, 1924; Mus.B., Ithaca, 1926.

STEPHEN D. TUTTLE

Instructor in Theory

A.B., Denison, 1929.

Officers of Administration

AVERY ALBERT SHAW, A.M., D.D., LL.D., D.C.L.
President

FREDERICK G. DETWEILER, A.M., PH.D.
Dean of Granville College
Dean of Summer School

PRISCILLA H. FOWLE, A.M., PH.D.
Dean of Shepardson College

DONALD R. FITCH, M.S.
Registrar

ELMER E. HOPKINS, A.B.
Bursar

CLARENCE M. EDDY, A.B.
Director of Admissions

CLARENCE D. COONS, M.S.
Business Manager

ALFRED J. JOHNSON, A.B., M.B.A.
Assistant Bursar

RUSSEL H. WILLIAMS, M.D.
Physician

JOHN BJELKE, A.M.
Secretary of the Alumni

MARTHA GEACH
Assistant to Bursar

RILDA M. MARSH, M.R.E.
Secretary to President

MRS. GEORGE GROGAN, A.B.
Assistant in Library

EDNA SANFORD, A.B.
Assistant in Library

MRS. N. H. OVERTURF
Assistant to Registrar

MRS. ELIZABETH BIGGS
Matron of Shepardson College

GRACE M. CHAMBERLIN
Assistant to Bursar

MRS. CLARA T. BRUMBACK, PH.B.
Secretary to Dean of Shepardson College

M. LOUISE WELLMAN, A.B.
Secretary to Dean of Granville College

MARY SCARRITT, PH.B.
Secretary to Director of Admissions

ARDELLA L. BARTH, R.N.
Nurse

MRS. LILLIAN MOORE
Director of Shepardson Commons

RUTH HOPKINS, R.N.
Assistant Nurse

MRS. ELIZABETH COOPER
House Mother in Parsons Hall

Committees of the Faculty, 1929-1930

President Ex-officio of all committees

Executive Council

A. A. Shaw	D. R. Fitch	F. J. Wright
P. H. Fowle	F. G. Detweiler	C. M. Eddy
	H. R. Hundley	

Committee on Absences

F. G. Detweiler	F. W. Stewart	A. B. Peckham
W. A. Everhart	P. H. Fowle	A. B. Skinner

Committee on Admission

C. M. Eddy	F. G. Detweiler	P. H. Fowle
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Committee on Advanced Degrees

P. Biefeld		P. H. Fowle
F. G. Detweiler		W. A. Chamberlin

Committee on Athletics

C. D. Coons (1 yr.)	M. Tippett (1 yr.)	W. J. Livingston
A. J. Johnson (3 yrs.)	P. H. Fowle (2 yrs.)	H. Barr
E. J. Shumaker (2 yrs.)	A. Barth (3 yrs.)	

Committee on Budget

A. A. Shaw	F. J. Wright (1 yr.)	F. W. Stewart (1 yr.)
C. D. Coons		W. A. Chamberlin (1 yr.)

Committee on Catalogue

W. A. Chamberlin		J. L. King
F. G. Boughton		D. R. Fitch

Committee on Chapel

J. L. King	F. G. Detweiler	P. H. Fowle
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Committee on Community Service

H. L. Jome	A. C. Ladner	C. D. Coons
J. L. Bjelke	A. Odebrecht	Mrs. L. Moore

Committee on Curriculum

F. G. Detweiler	A. W. Lindsey	L. R. Dean
T. A. Lewis	F. J. Wright	P. H. Fowle
	L. E. Smith	

Committee on Debate and Oratory

C. F. West (1 yr.)	L. Crocker (2 yrs.)	A. M. MacNeill
F. G. Boughton (3 yrs.)	P. H. Fowle (3 yrs.)	(2 yrs.)

Committee on Fraternities

F. G. Detweiler, Chairman	A. J. Johnson, Lambda Chi Alpha
W. A. Chamberlin, Sigma Chi	C. F. West, Sigma Alpha Epsilon
E. C. Rupp, Beta Theta Pi	F. J. Wright, Alpha Theta Sigma
D. L. Mahood, Phi Gamma Delta	T. A. Lewis, Pi Kappa Epsilon
A. Odebrecht, Kappa Sigma	L. R. Dean, American Commons
H. R. Hundley, Phi Delta Theta	Club
	B. D. Greenshields, University House

Committee on Freshmen Orientation

W. C. Ebaugh	E. J. Shumaker	P. H. Fowle
F. G. Detweiler	W. J. Livingston	H. Barr
	R. H. Williams	

Committee on the Improvement of Teaching

F. B. Wiley	P. H. Fowle	F. G. Detweiler
W. A. Chamberlin	J. L. King	A. W. Lindsey

Committee on Library

A. A. Shaw	F. G. Detweiler	F. B. Wiley (1 yr.)
A. L. Craigie	(2 yrs.)	L. R. Dean (3 yrs.)

Committee in Music

K. H. Eshman (2 yrs.)	A. F. Schirmer (1 yr.)
L. G. Crocker (3 yrs.)	M. R. Fitch (3 yrs.)

Committee on Plays and Musical Performances

L. Crocker	D. Mahood	R. Woellhaf
J. L. King		S. Haury

Committee on Registration

D. R. Fitch	F. G. Detweiler	P. H. Fowle
F. B. Wiley		J. D. Crawford

Committee on Research

W. C. Ebaugh	F. J. Wright	A. W. Lindsey
P. Biefeld	M. E. Stickney	W. T. Utter

Committee on Rules and Regulations

F. G. Detweiler	R. A. Sheets	P. H. Fowle
B. D. Greenshields		H. Badenoch

Committee on Schedule

P. Biefeld	M. Akers	R. H. Howe
G. D. Morgan	F. B. Cressey	J. C. Larmore

Committee on Student Affairs

L. R. Dean	F. G. Detweiler	P. H. Fowle
F. B. Wiley	H. H. Titus	M. Tippet
	H. Badenoch	

Committee on Student Aid

C. M. Eddy		E. E. Hopkins
F. G. Detweiler		P. H. Fowle

Committee on Student Publications

J. L. King (1 yr.)	A. Odebrecht (2 yrs.)
Paul Green (3 yrs.)	A. M. McNeill (3 yrs.)

Committee on Summer School

F. G. Detweiler	E. B. Hawes	F. B. Wiley
D. R. Fitch	L. R. Dean	C. M. Eddy
	C. D. Coons	E. J. Shumaker

Committee on Teaching Appointments

E. B. Hawes	E. J. Shumaker	F. R. Sowers
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Committee on Vocational Guidance

T. A. Lewis	K. H. Eschman	J. D. Crawford
W. L. Sharp	C. F. West	F. J. Farrar

Faculty Members of the Boards of Control

Board of Control of Athletics

MEN

- A. J. Johnson, elected for 3 years.....Term expires March, 1932
E. J. Shumaker, elected for 2 years.....Term expires March, 1931
C. D. Coons, elected for 1 year.....Term expires March, 1930

WOMEN

- A. Barth, elected for 3 years.....Term expires March, 1932
P. H. Fowle, elected for 2 years.....Term expires March, 1931
M. Tippet, elected for 1 year.....Term expires March, 1930

Board of Control of Debate and Oratory

MEN

- F. G. Boughton, elected for 3 years.....Term expires March, 1932
L. G. Crocker, elected for 2 years.....Term expires March, 1931
C. F. West, elected for 1 year.....Term expires March, 1930

WOMEN

- P. H. Fowle, elected for 3 years.....Term expires March, 1932
A. M. MacNeill, elected for 2 years.....Term expires March, 1931
C. F. West, elected for 1 year.....Term expires March, 1930

Board of Control of Music

MEN

- L. G. Crocker, elected for 3 years.....Term expires March, 1932
K. H. Eschman, elected for 2 years.....Term expires March, 1931
A. F. Schirmer, elected for 1 year.....Term expires March, 1930

WOMEN

- M. R. Fitch, elected for 3 years.....Term expires March, 1932
K. H. Eschman, elected for 2 years.....Term expires March, 1931
A. F. Schirmer, elected for 1 year.....Term expires March, 1930

Board of Control of Student Publications

(One board serves for both men and women)

- A. M. MacNeill, elected for 3 years.....Term expires March, 1932
A. Odebrecht, elected for 2 years.....Term expires March, 1931
J. L. King, elected for 1 year.....Term expires March, 1930

DENISON UNIVERSITY

HISTORY

Denison University had its foundations in deep religious convictions. It grew out of the desire of the Baptist denomination in Ohio for a well-educated ministry to lead their work in an era marked by great expansion in religious and material life. This aspiration led to the organization of the Ohio Baptist Education Society in 1830, with the express aim of providing a school of higher learning. At the Society's first annual meeting, at Lancaster on May 26, 1831, the decisive step in founding such an institution was taken by the appointment of trustees and by choosing Granville, a town noted for its moral tone, as its location. The "Granville Literary and Theological Institution," so named in its first charter, opened its doors on December 13, 1831, occupying temporarily the Baptist Church on the present site of the Conservatory of Music. The purpose of the founders, as expressed in an address of the next year, was "to furnish the means of obtaining a thorough classical and English education, which shall not be inferior to what can be obtained in any institution, of whatever name, in the western country."

The enterprise embraced at first some features of an agricultural college, occupying a farm one mile southwest of town. But these features were soon abolished as impractical in connection with collegiate instruction. The theological department was also subsequently abandoned. In 1845 the name was changed to Granville College.

In 1855 the present site on the hill north of town was secured and the college was moved to the new location. This was the beginning of more rapid growth. A small endowment fund was raised, and the name was changed to Denison University. The University was fortunate in having in the Faculty and the Board of Trustees men of faith and courage, who brought it successfully through the trying experiences of the early years.

In the period following the Civil War the University grew more rapidly. The endowment fund was doubled, reaching the sum of \$100,000, and several buildings were added to the equipment. The curriculum was extended, and faculty and students increased in numbers.

In the next year after the founding of the institution for young men, a private school for young women was organized. Mr. Charles Sawyer, a merchant of Granville, was instrumental in its establishment by erecting two buildings for the school on the present Shepardson campus. After existing more than fifty years as a private enterprise and being firmly established eventually by Dr. D. Shepardson, this school was turned over to the Baptist denomination in 1887 and affiliated with Denison. In honor of its donor, a zealous advocate of women's education, the new department was called Shepardson College for Women. An endowment was raised for its maintenance. In 1900 a closer union of the two institutions was effected by the co-ordination of Shepardson College with Denison University. Its students enjoy the same scholastic advantages as the men of Denison and receive the same recognition on completion of the course.

Provision was made for musical training by the organization of the Denison Conservatory of Music, a department complete in itself, but affiliated with the collegiate departments.

A preparatory department of the College has been maintained to furnish the training adequate for entrance to the higher courses. In 1895 this was definitely organized as a complete department and named Doane Academy. Its operations are suspended at present.

During the last thirty years the University has shared in the general intellectual stimulation and has expanded rapidly in material and scholastic resources. Its standing as one of the strategic institutions of the country has attracted private and public beneficences which have greatly increased its endowment fund and physical equipment. The endowment and other property have more than doubled in the last decade.

Denison University is a Christian institution in the sense that it is fostered by a religious denomination and that its entire life and management are dominated by religious motives. There is no attempt nor desire to force instruction into sectarian channels, and all advantages are freely offered without any religious distinction. The aim of the University is to provide a thorough college education under such influences as strengthen Christian faith and build up Christian character.

During the nearly one-hundred years of its existence, the University has been true to the religious and scholastic purposes of its founders. Its religious influence is marked by the large number of graduates who have given their lives to the Christian ministry and to the cause of home and foreign missions. In teaching and in other professions, as well as in commercial and industrial pursuits, Denison is worthily represented by many alumni.

Denison's record in the World War reflects the loyal spirit which has always characterized the institution during times of national stress. The University and its equipment were put at the service of the Government, and the work was adapted to military ends. Scores of students left the college halls for military camps, and hundreds of graduates entered into all branches of the Army and Navy. The record of their service forms an honorable chapter in the history of the University.

Dr. Avery A. Shaw was inaugurated as the twelfth president of Denison on October 21, 1927. The University is looking forward to the completion of the first one hundred years of its history in 1931. The Board of Trustees has appointed a Centennial Program Committee to make provision for a worthy celebration of this significant event. The committee has adopted a program of endowment and building projects requiring three million dollars to carry through, and expects to complete this program in time for the centennial celebration.

LOCATION

Granville, the seat of Denison University, is known as a place of rare natural beauty. It is situated in a fertile valley, encom-

passed by hills of moderate altitude. The town is 27 miles east of Columbus on one of the main thoroughfares of the state. It lies on the Toledo and Ohio Central Division of the New York Central Railway. It is reached by the Pennsylvania Lines and the Baltimore and Ohio Railroad at Newark, 20 minutes distant by bus service.

Auto-buses maintain regular schedules with Newark and with Columbus.

Granville is one of the oldest towns in the state, having been settled by colonists from Massachusetts in 1805. From these pioneers it received the features of New England life. High moral and intellectual ideals have always marked the place. Although small, the town enjoys many of the advantages of city life. It has well-equipped churches and modern civic activities.

Many improvements of a public and private nature during the past few years reflect the fine community spirit that prevails. Among these may be mentioned the Granville Inn and golf course, a public library, a memorial to one of the pioneer families, a centralized High School, a new post office, and the offices of the Ohio Baptist Convention, the center of the activities of the Baptist denomination of the state.

Several modern churches of different denominations serve the religious interests of the community.

In material equipment the town enjoys a pure water supply, a modern sewerage system, paved streets, an automatic telephone system, electric lighting for public and domestic purposes, and an adequate protection against fire.

GROUNDS AND BUILDINGS

ENDOWMENT AND PROPERTY

The total amount of property invested in Denison University is five million dollars. Three million dollars of this sum are in income-bearing endowment. The grounds, buildings and equipment are valued at two million dollars. Twenty-two major buildings are owned and occupied for purposes of instruction and residence.

GATES AND WALKS

College Hill, the site of the main buildings of the University, is approached by a winding avenue from the town. At the east entrance to the grounds is an ornamental terrace of brick, with walks leading on either side to the various halls and to the Library. From Shepardson Campus the entrance is through two colonial gateways of brick at either end of a semi-circular walk which leads to the Plaza on the south slope of the hill. These adornments and conveniences of the campus were supplied through the beneficence of Mr. E. J. Barney, LL.D.

A curving terrace, buttressed by an ornamental wall, leads across the brow of the hill in front of the President's House and Swasey Chapel. The College Avenue has been extended in winding drives to Beaver and Sawyer Halls on the east, and to the new fraternity houses on the north. An ornamental gate-way and drive gives access from the north to Deeds Field and the campus.

THE CAMPUS

The campus of Denison University covers an area of 350 acres, having recently been greatly enlarged through the generosity of Colonel Edward A. Deeds, Vice-President of the Board of Trustees. Beginning on West Broadway, it extends one mile to the north, including hillside and valley, woodland and fields. The main axis is formed by a ridge of hills rising 1100 feet above sea level and affording a prospect unrivalled for beauty in the state. The new campus embraces two well-known pioneer estates; one, the Dustin farm, on which the historian, Hubert Howe Bancroft was born, and the other the Chapin place. This enlarged campus provides amply for the extensive building projects of the University, and furnishes adequate space for all forms of outdoor recreation. It is being developed according to well-considered plans of landscape architects. Seventy-five acres are set aside for recreational purposes.

RESIDENCE HALLS

Dormitories for Men—Two dormitories, Marsh Hall and Talbot Hall, together furnish accommodations for about one hun-

dred and fifty men. They are four-story brick buildings, with modern conveniences, and are supplied with heat and light from the central power plant. Marsh Hall, which was partially destroyed by fire in 1918, has been fully reconstructed and is leased as the residence hall of the American Commons Club.

Shepardson Dormitories—Sawyer Hall and Mary Thresher Beaver Hall are the new dormitories opened for use two years ago. They are the first buildings to occupy the new site of Shepardson College. The two halls, identical in construction, are of the colonial style of architecture. The rooms are en suite and completely equipped. Each hall accommodates 65 students. Burton Hall, King Hall, and Stone Hall, located at the foot of College Hill on the Shepardson quadrangle, facing Broadway, furnish accommodations for one hundred and twenty-eight young women, together with reception parlors, reading rooms, and apartments for Shepardson officers and faculty members. Parsons House, formerly the chapter lodge of Beta Theta Pi fraternity, and Gilpatrick House, former home of Prof. J. L. Gilpatrick, have been renovated and rearranged for the accommodation of Shepardson students. All the halls and houses are supervised under uniform rules by teachers and matrons.

Shepardson Dining Halls—Shepardson Commons, erected in 1893, is the dining hall of the women students resident on or near the old campus. Colwell House, former home of an honored professor, is used as a dining hall of the women resident in Sawyer and Beaver Halls.

ACADEMIC HALLS

Barney Memorial Hall—This hall was built and equipped for the College by the late Eugene J. Barney, LL.D., of the Board of Trustees, in memory of his father, Eliam E. Barney, who was one of the most generous and devoted supporters of the institution in its early days. Science Hall, as it is familiarly called, dating from 1894, was rebuilt in 1906, after being partially destroyed

by fire. The new building is fireproof. It has four floors, consisting of laboratories, lecture rooms, special libraries and offices, principally for the departments of Physics, Geology and Engineering Science.

Doane Academy Hall.—This is a gift, in 1894, of the late Dr. W. H. Doane, member of the Board of Trustees. Although erected primarily for the Academy, much of its space is devoted at present to the College.

The Officers of Administration, including the President, the Secretary, the Registrar, the Treasurer, the Deans of the Colleges, and the Dean of the Academy, occupy offices on the first and second floors. The third floor consists of a large assembly room, seating about 500.

Talbot Hall.—The two lower floors of this hall (see above) are taken up with class-rooms, laboratories and department offices.

Doane Library.—The main University Library is housed in Doane Hall, a building presented by the late Dr. W. Howard Doane in 1879. It is open to instructors and students in all departments, with free access to the shelves. The overcrowded condition of the present building has brought about the establishment of special collections and reading rooms in many of the departments of the University. The Reserve Reading Room is located in Cleveland Hall.

Cleveland Hall.—This Hall was erected in 1904 with funds provided by certain Cleveland benefactors. It represents the care taken for the physical and social needs of the men students.

SWASEY GYMNASIUM occupies the main part of the building. It consists of a large floor for athletic games, a running track, swimming pool and locker rooms.

SHERWIN HALL is now used as the Library Reserve Reading Room. Trophy Room is a commodious hall, adorned with pictures, prizes and other souvenirs of inter-collegiate games.

Doane Gymnasium.—The gymnasium for the young women of Shepardson College was donated by Dr. Doane. It is equipped with swimming pool and has a large floor for class athletics and sports.

Swasey Observatory.—The Observatory was erected in 1909 through the generosity of Ambrose Swasey, Sc.D., former President of the Board of Trustees. It is of white Vermont marble and is equipped with modern astronomical instruments of the best quality.

Conservatory of Music.—The large residence of former Professor A. U. Thresher is used as the main building for the Conservatory of Music. It marks the site of the first Baptist Church built in Granville, in which the college was opened in 1831.

Recital Hall.—Adjoining the Conservatory is the Recital Hall arranged for the public musical recitals. It contains a pipe organ and grand pianos, and other appliances for entertainments.

Central Heating and Lighting Plant.—The University is equipped with a modern system of electric lighting and hot-water heating located in a central plant adjoining Cleveland Hall.

Swasey Chapel.—College Hill is crowned with this stately edifice, provided by the beneficence of Dr. Ambrose Swasey. It was dedicated April 18, 1924. It is colonial in style, faced with six Ionic columns supporting the portico. The graceful tower is electrically illuminated at night, and contains a set of chimes, in memory of Mrs. Swasey. The auditorium has a seating capacity of 1300. Complete appliances for religious services are provided, including a 3-manual Austin organ. Standing in the center of the group of buildings which the new Denison will occupy, Swasey Chapel typifies the supreme place of faith in the educational ideals of the College.

Denison Wigwam.—This is a temporary structure used primarily for basketball. It has a large floor space and seats for 1650.

Chemistry Cottage—A plaster and stucco building 140'x52', one story high, erected in 1925-1926, houses the Department of Chemistry. Three large, well-equipped laboratories provide desk space for about 230 students. Lighting, ventilating and plumbing have received special attention. A lecture room with 91 seats is separated by rolling partitions from a recitation room seating 52 persons; in all 182 seats can be provided in the enlarged lecture room. A departmental reading room, an office, two private laboratories, balance room, store rooms, and lecture preparation rooms, give ample space for the activities of the Department.

Whisler Hall Memorial Hospital—This memorial hospital, which will be in use for the first time in February, 1929, is the gift of Mr. and Mrs. Charles F. Whisler, of Hillsboro, Ohio, in memory of their daughter, Helen, of the class of 1920, who died in 1918. It occupies a secluded site on the slope of Prospect Hill, overlooking the village and the picturesque valley. Built of tapestry brick and Indiana limestone, the hospital is complete and modern in every respect. The normal capacity is 16 patients, with facilities for 28, should occasion require. Modern hospital practice has been followed in detail, giving comfort, cleanliness, quiet and convenience. Provision is made for isolation of contagious cases.

A modern clinic room, a well-equipped kitchen, and 8 home-like wards for two patients each make of the hospital an excellent health center, where students may come for consultation and for hospitalization, whenever necessary.

BEAVER FIELD

Through the generosity of Mr. F. P. Beaver, a member of the Board of Trustees, this athletic field was provided twenty-five years ago and was one of the first to be acquired by an Ohio college. It is used at present as auxiliary to Deeds Field.

DEEDS FIELD

The new athletic field, named in honor of the donor, Colonel Edward A. Deeds, was dedicated November 4, 1922. The football

field occupies a natural amphitheater under the shelter of College Hill. It is in the form of an oval, open towards the east, flanked by a concrete stadium with a seating capacity of 6000. The north side of the stadium is constructed so as to enclose a field house, containing dressing-rooms, shower-baths, lockers and other accommodations for the players. A cinder track borders the oval, and outside of this are cement walks, with concrete shelters on either side for the local and visiting teams. The varsity baseball field has been prepared on the lower terrace, and ample space is left on the north side of the campus for other sports. The eastern side has been recently laid out with an oval running track and a hockey field for the women's athletic department. By the development of Deeds Field the ideal of every member of the University enjoying some form of daily exercise is now possible of realization.

FUTURE BUILDINGS

The Centennial Program Committee has adopted the following building projects as its goal for completion by 1931; Library, Administration Building, Biological Building, Auditorium and Conservatory Building, one additional Women's Dormitory unit, and a Women's Dining Hall.

DEPARTMENTAL EQUIPMENT

Denison is a college of liberal arts and sciences. During the past thirty years the growth has been rapid in the scientific departments. Without competing with technological schools the science departments have developed to that degree that they serve admirably those students who are looking ahead to technical professions. During the same period additional departments of language, history, education, social sciences, and religion have been organized, so that the curriculum embraces the subjects of general human interest. A brief survey of the physical equipment of the departments will indicate the resources of the College in these respects.

ASTRONOMY

The equipment of Swasey Observatory is intended both for teaching and also for research work in special lines. The equipment consists of a nine-inch equatorial of the standard Warner and Swasey type, with optical parts by Brashear, a Warner and Swasey position micrometer and wedge photometer, by Cooke and Sons, England. The transit room contains a combined transit and zenith telescope of four-inch aperture. Mean and sidereal time clocks by Riefler are connected by means of a chronograph with both the equatorial and the transit. The library is furnished with standard astronomical periodicals both American and European. The Observatory is equipped with a wireless receiving station.

BOTANY AND ZOOLOGY

These two departments are located in Talbot Hall. The arrangements include lecture rooms and laboratories for general and advanced classes and facilities for research work. There is opportunity for bacteriological and genetic studies.

The Herbarium embraces representative collections from the United States and Mexico and is especially rich in local flora. The department library is supplied with botanical and zoological journals, including the many American and foreign exchanges of the Denison Scientific Association.

CHEMISTRY

The Chemistry Department occupies Chemistry Cottage, described on p. 33, and is well equipped with apparatus and materials required for all courses.

ENGINEERING SCIENCE

The Department of Engineering Science occupies the upper floors of Barney Science Hall. It possesses a full equipment of in-

struments for field work. For illustrative purposes there is a well selected supply of drawings and specifications of bridges, water systems, and all forms of modern high-way construction. The drafting rooms are well lighted by large sky-lights and furnished with the usual requirements.

GEOLOGY

The Department of Geology occupies the third floor of Barney Science Hall. The lecture room is supplied with stereopticon and screen, and a collection of 5000 slides. The geographic laboratory contains an unusually fine equipment of maps and relief models and several thousand of the topographical sheets of the U. S. Geological Survey. More than 300 drawers of mineral specimens and fossil collections are available. The department library, named in honor of the late G. K. Gilbert, contains his personal collection of books and pamphlets presented in recognition of the valuable contributions to geology made at Denison.

PHYSICS

The Department of Physics occupies the first and second floors of Barney Science Hall. It is well supplied with rooms for administration, instruction and laboratory purposes, including photometric and photographic dark rooms, a constant temperature vault and rooms for research and special work. A complete set of vacuum tubes and modern apparatus for the reception and transmission of wireless signals are installed.

THE NON-LABORATORY DEPARTMENTS

These departments have available their special libraries, journals and papers, with maps, lanterns and slides where needed. Practical work in the local and adjoining communities is available for students in the departments of Education, Christian Education, and Sociology. Students who prepare for teaching are assisted by the Committee on Teaching Appointments in securing positions.

FRESHMAN WEEK

Several days during the opening week of the college year are devoted to familiarizing the freshmen with the aims and methods of college work. In the present year the program began with a dinner at The Wigwam, at which the freshmen were the guests of the University and had the most favorable opportunity of meeting one another and members of the Faculty. Meetings are held in groups, at which various aspects of college life are discussed. Tests of general intelligence and special aptitudes are given. Every effort is made to help the freshman to find his place in the community of students and to plan his course intelligently for the coming four years. All freshmen are expected to be present during these preliminary exercises. For the dates, see University Calendar, page 7.

CHAPEL SERVICES

In recognition of the Christian foundation and ideals of the institution and for the cultivation of the community life of the college in a definitely religious atmosphere, services of worship are held in Swasey Chapel on Monday and Wednesday through the first semester and on Monday, Wednesday and Friday, the second semester. Assemblies are held in Doane Assembly Hall for women on Tuesday and for men on Thursday throughout the year and for freshmen on Friday during the first semester. Attendance is required of all students.

VESPER SERVICES

During the winter months of the year a vesper service is held once a month on Sunday afternoon in Swasey Chapel. Notable preachers of the country are the speakers, with messages appropriate to college students. Attendance at these services is voluntary, but large numbers have found them occasions of rare inspiration.

VOCATIONAL TRAINING

While Denison is a liberal arts college and is not planned primarily as a training school for vocations, it is still true that the liberal arts work offered here is the very best foundation for any kind of professional work. All professional schools would prefer their students to have an arts degree as well as a professional one. The student is directed to the introductory statement prefixed to the list of courses for each department where suggestions are made as to the vocations for which preliminary or prevocational training is given. Prominent among these are the vocations listed below. Those professions that are marked with an asterisk are the ones for which Denison provides complete training.

- Astronomical Research (*Astronomy*)
- Bacteriology and Hospital Technician work (*Botany, Zoology*)
- Business occupations; for instance, Banking and Accounting (*Economics*)
- Chemical research in industry (*Chemistry*)
- Dentistry (*Chemistry, Zoology*)
- Dramatics (*Speech*)
- Engineering in various branches (*Engineering Science, Mathematics*)
- Foreign service for government or business (*Political Science, Modern Language, History*)
- Geological work for government or oil industry (*Geology*)
- Landscape architecture, Forestry (*Botany*)
- Law (*Political Science, Sociology, History*)
- Literary work (*English, Modern and Classical Language, History*)
- Medicine and Nursing (*Zoology, Chemistry*)
- Ministry and Missionary work (*Christian Education, Philosophy*)
- Museum work (*Zoology, Geology*)
- *Music and teaching of music (*Music*)
- Newspaper work (*English*)
- *Physical Education, Coaching, Playground work for both men and women (*Physical Education*)
- Profession of Physicist in industry or research (*Physics*)
- Profession of Psychologist with courts, colleges, et cetera (*Psychology*)
- Radio Engineering (*Physics*)
- *Religious Education (*Christian Education*)
- Social Work (*Sociology*)
- Statistics (*Mathematics, Economics*)
- *Teaching (*Education*)

DEPARTMENTAL ORGANIZATIONS

The Denison Scientific Association, organized by the late Professor Clarence Luther Herrick in 1887, is not only the oldest departmental organization but also is the most inclusive in its activities and interests. The Association publishes the *Journal of the Scientific Laboratories*, founded by C. L. Herrick. Its merit is recognized by learned societies in all parts of the world, many of whom receive the *Journal* in exchange for their own publications. By this means the Association has built up a valuable collection of scientific works from the leading scientific societies of our own and other countries.

The Association holds bi-weekly meetings, open to all, at which lectures and reports of investigations on current scientific topics are presented by professors of Denison and other institutions. Faculty and students are thus made acquainted with the progress of science in many fields.

Departmental societies, sharing similar aims with the Scientific Association and co-operating with it, are maintained by nearly all of the departments of instruction. Their object is to encourage investigation of topics that are allied to the courses of instruction and are of special interest. Faculty and students participate in the discussions.

STUDENT ORGANIZATIONS

A large number of organizations are maintained by the students. According to their general purpose they are divided into six groups: administrative, religious, literary, musical, recreational and social. In so far as they represent the College in any public way, these organizations are mainly under the direction of Boards of Control, or of Faculty advisers.

I. ADMINISTRATIVE

The government of students of Granville College and Shepardson College, in matters relative to their own interests, rests

in the hands of the two student associations. These associations were organized under the authority of the Board of Trustees and the Faculty of Denison University. All regular students are members with full membership privileges. The executive powers are vested in the student councils of the two associations and in the joint council for matters pertaining to students of both colleges.

The Honor System, putting students on their honor at all times, was adopted by the students themselves as a forward step toward more personal responsibility in college life and hence greater mental and spiritual development.

2. RELIGIOUS

The Christian Associations (the Y. M. C. A. and the Y. W. C. A.) are directed by the "Y" cabinets, composed of student and Faculty members. These associations carry on various activities for the religious and social welfare of the students.

Through the Handbook of Denison University, through the Faculty-Student Directory and personal letters they seek to establish friendly relations with new students and to help them in entering college life.

The Freshman "Y" is a branch of the general organization, aiming to bridge over the gap between high-school and college.

The Student Volunteer Band and Student Fellowship for Christian Life Service are composed of students preparing for some line of definite Christian work.

3. LITERARY

The Franklin and Calliopean Literary Societies, dating back to the early days of the College, are perpetuated by the Franco-Calliopean Society, whose meetings are devoted to the study of literature. This Society publishes the Denison Collegian, a quarterly magazine of original poetry and literary articles.

The Society of Debate and Oratory has in its membership the students who show excellence in public speaking. Several de-

bates with other colleges are held each year, under the guidance of the Board of Control.

Several regular publications are carried on by Denison students: The Denisonian, a weekly newspaper; The Adytum, the college annual; and The Flamingo, a monthly humorous magazine.

The Masquers is a dramatic club, which presents several public performances during the year.

4. MUSICAL

The Denison Glee Club, the Shepardson Glee Club, the D. U. Band, the University Orchestra, the Engwerson Choral Society, and the chapel and church choirs furnish large opportunity for the training of musical talent. (For fuller description see below, Conservatory of Music, p. 112.)

5. RECREATIONAL

The Boards of Control direct the inter-collegiate and intramural sports. An extensive program of intra-mural contests is carried out, with appropriate games for the different seasons. The men of the College are divided into eleven groups, with major and minor teams, for these competitions. Prizes are awarded for the best records, and points are earned.

In inter-collegiate athletics Denison belongs to the Ohio Conference and to the Buckeye League. The rules of the Ohio Conference are in force.

The "D" Association is made up of men students who have earned letters by prominence in athletics.

The Women's Athletic Association is a similar organization for Shepardson College.

6. SOCIAL

Many social groups are formed, either local societies or chapters of national organizations, in which most of the students find congenial companionship. These groups have Faculty advisers and are partly under the direction of the Pan-Hellenic Council of

Alumni and undergraduate membership. At present there are nine fraternities, some of them established here for more than fifty years, six sororities, a chapter of The American Commons Club, the Shepardson Club, and the Club of Unaffiliated Men.

The Cosmopolitan Club of Faculty and student members aims at closer fellowship of the native and foreign students.

SCHOLASTIC AWARDS

I. PHI BETA KAPPA

The Phi Beta Kappa Society was founded one hundred and fifty years ago for the purpose of recognizing and encouraging scholarly pursuits among college students. The chapter at Denison, known as Theta of Ohio, was instituted in January, 1911, upon the granting of a charter by the Senate and National Council of the Society. New members are elected each year, principally from the seniors, but a few from the juniors, from those who have the highest standing in scholarship in their respective classes.

The Phi Society was organized by the Phi Beta Kappa to encourage scholarship among the members of the freshman class. Eligibility to membership is gained by winning 56 scholastic points, (See p. 57) in the freshman year.

2. HONORS

1. Annual Honors. Annual honors are awarded at the end of each year to the members of each class according to the following standard: not less than twenty-four hours of A grade, the remainder not lower than B grade. The total number of hours for the year shall not be less than thirty-two except when courses 111, 112, 211, 212 in Physical Education are being taken, in which case the total number of hours exclusive of these courses should not be less than thirty. Grades made in these required courses in physical education are not to be counted in competing for Annual Honors.

2. General Honors. General Honors are awarded at graduation only, according to the following standard: Ninety-three or more hours of A grade, the remainder not lower than B grade. Grade made in Physical Education 111, 112, 211, 212, are not to be counted in competing for General Honors.

3. Departmental Honors. Departmental Honors are awarded at graduation only, to those who have obtained a standing of A in one or more departments in courses amounting to not less than twenty-four semester hours, provided that there shall have been no grade less than B in any other courses which may have been taken in the department.

4. Special Honors. Special Honors are awarded at graduation only, according to the following plan: Any regularly classified student who has maintained an A rank in not less than half of his work during five successive semesters of the freshman, sophomore, and first half of junior years, and who has not fallen below C in any single study may with the consent of the faculty be enrolled as a student for honors in some selected department of study.

Application for such enrollment shall be made prior to the spring vacation of the junior year. If the application be granted the professor in charge of the department selected shall assign work to the applicant substantially equal in amount to a three hour study for the year.

The student shall be examined on this work prior to the spring vacation of the senior year. The examination shall be conducted under the direction of the professors in charge, assisted by some other member of the faculty to be appointed by the president, and in addition to the special assignment the examination shall cover, in a general way, all other work which the applicant has taken in the same department.

During the interval between enrollment for honors and examination the student must make an A rank in all work done in the department to which his special study belongs, and must not fall below B in any other department. He must also maintain unblemished record in the department.

Work done for Special Honors must not be elementary in its character and in no case shall it be the only work done in the department in which it is taken. Advanced elective courses already offered may be utilized as honor courses, or special topics may be assigned to suit individual cases but in no case shall work upon which special honors are bestowed be counted as any part of the student's requirements for his degree.

All honors duly earned shall entitle the student to have his name placed upon the records of the University with the statement of the Honors which he has received, and the fact shall be engrossed upon his Diploma, announced on Commencement Day, and published in the Annual Catalogue.

3. RHODES SCHOLARSHIPS

Men who have completed their sophomore year at Denison University are eligible to compete for the Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, with a stipend of \$2000 each year. These scholarships are awarded on the combined basis of character, scholarship, athletics, and leadership in extra-curriculum activities. Further information may be obtained from the Secretary of the Rhodes Scholarship Committee of Selection for Ohio, Professor Leigh Alexander, Oberlin College, Oberlin, Ohio.

4. PRIZES

(a) The Lewis Literary Prize Contest. These prizes were given to the Franklin and Calliopean literary societies by Mr. Charles T. Lewis, former president of the Board of Trustees, and are now continued by his sons Howard Lewis and Frank Lewis of the classes of 1900 and 1902, respectively. During recent years the prizes have been given for excellence in extempore speech. Competition is open to students of Granville College.

(b) The Samson Talbot Prize Reading. This is an endowed prize for the best reading of Scripture and is open to seniors and juniors. The prizes are \$40 and \$20 respectively.

(c) Lake Laboratory Scholarship Prize. The University offers as a prize to students in the departments of Botany and Zoology a scholarship in the State University Lake Laboratory, for the summer session following the award. This prize is awarded on the basis of general excellence in the work done in these two departments. In case two applicants seem equally meritorious two such scholarships may be offered.

(d) The Gilpatrick Scholarship. This is endowed by a fund contributed through the Society of the Alumni by former students and friends of Professor John Lord Gilpatrick. It is open to seniors and is awarded annually by the faculty upon the basis of excellence in mathematics.

(e) The Harmon Freshman Latin Prizes. Established by Ex-Governor Judson Harmon, of the Class of '66, and continued in his honor by his daughters, a first and second prize of \$50 and \$25 respectively are awarded annually for excellence in Freshman Latin. The award is made on the basis of a competitive examination near the end of the year.

(f) The Woodland Prizes in Chemistry. J. Ernest Woodland, '91, bequeathed to the University, in honor of his father, William Henry Woodland, the sum of \$5000 for the establishment of two annual prizes: \$150 for the best, and \$50 for the second best original thesis on some phase of Chemistry in its relation to industrial everyday life. Conditions of the competition are announced each September by the department of Chemistry.

(g) The Freshman Chemistry Prize. A prize of \$25.00 is offered to the student making the best record in Chemistry 111-112.

5. SCHOLARSHIPS

For deserving students in need of assistance the University has at its disposal the annual income of certain funds.

Good class standing and exemplary conduct in all relations of life are prerequisite to the enjoyment of any of these scholarships.

The holders of scholarships must maintain a scholastic record at all times of eighteen points for regular scholarships and twenty-two points for honor scholarships with no "F" grades.

Students holding them may be called upon to render a certain amount of service to the University but never to an amount which will interfere with regular college work.

1. The Mary K. Monroe Fund, \$30,000. This fund is available for ministerial students in Granville College, and in the theological seminaries after graduation from Denison.

2. The M. E. Gray Fund, \$5,000, for the aid of ministerial students in Granville college.

3. The David Thatcher Fund, \$1,500, available for ministerial students in Granville College.

4. The Joshua and Gwennie Jones Fund, \$1,356, available for ministerial students in Granville College.

5. The Abigail Pence Houck Fund, \$31,717.49, for ministerial students in Granville College.

6. The Ohio Baptist Education Society has at its disposal scholarships for its beneficiaries to the number of forty, if necessary.

7. The Ebenezer Thresher Fund, \$10,000, for the aid of four young men in Granville College.

8. The David and Jane Harpster Fund, \$1,500, available for students in Granville College.

9. The Mary Arnold Stevens Fund, \$500, for students in Granville College.

10. The Eugenio Kincaid Leonard Scholarship, \$1,000, for the aid of young men of Granville College.

11. The A. F. and A. A. Bostwick Scholarship Fund, \$1,000, for students in Granville College.

12. The William Howard Doane Scholarship Fund with an income of \$400 annually for students in Granville College.

13. The King Scholarship Endowment, \$12,000, for students in Shepardson College.

14. The Martha A. Luse Scholarship Fund, \$1,000 for students in Shepardson College.

15. The James McClurg Scholarship Fund, \$1,000, for students in Shepardson College
16. The Mary Miller Scholarship Fund, \$8,281.99, for students in Shepardson College.
17. The Charles T. Chapin Scholarship Fund, \$2,000, for students in Shepardson College.
18. The Lide-Shepardson-Marsh Scholarship Fund, \$1,000, for students in Shepardson College.
19. The Elizabeth S. Ewart Scholarship Fund, \$2,000, available for students in Denison University.
20. The Charles T. Lewis Scholarship Fund, \$5,000, for two students in Denison University.
21. The John H. Doyle Scholarship Fund, \$2,500, for one student in Denison University.
22. The Wells A. and Cynthia Aldrich Chamberlain Scholarship, \$2,750, endowed by their sons and daughter, for the aid of students in Denison University.
23. The G. O. Griswold Scholarship Fund, \$5,000, for students of Denison University.
24. The Sarah J. Thompson Scholarship Fund, \$300, for students of Denison University.
25. The Welsh Hills Price Scholarship Fund, \$2,000, for students in Denison University.
26. The Daniel Van Voorhis Scholarship Fund, \$500, for students in Denison University.
27. The E. S. Shepardson Scholarship Fund, \$1,000, for students in the Conservatory.
28. The Noyes Scholarships, founded by Laverne Noyes, 10 in number, are available for men who served in the World War, and their children. Each has an annual value covering tuition.
29. High School Scholarships. An endowed scholarship to the highest honor student (boy or girl) in the graduating class each year is offered to a selected list of secondary schools. This is worth \$100 for each of four years, and its use must be begun during the year of graduation.

30. University Scholarships. The Board of Trustees sets apart annually a generous amount of money to provide aid for a number of students when the above special funds are not sufficient.

31. Music Scholarships. The sum of \$250 is awarded by the Board of Trustees, upon the recommendations of the Director of the Conservatory and the President of the University.

32. The Maria Theresa Barney Loan Fund, from which the President of the University has a varying amount at his disposal each year to be loaned to young men at his discretion, without interest.

33. The Fletcher O. Marsh Loan Fund, \$5,000., for students in Granville College.

34. The Hannah Snow Lewis Fund, \$9,028.27, available as a loan fund for students in Shepardson College.

35. The Charles F. Burke Student Loan Fund and the Lorena Woodrow Burke Student Loan Fund, \$2,000, administered in accordance with the plans of the Harmon Foundation, available to juniors and seniors.

36. The Edward Le Grande Husted Fund, \$1,000, endowed by Jessie Husted Chamberlain, the income to be loaned to students of Denison University.

SPECIAL NOTE—It should be noted that only the income of these scholarship funds in an amount of a little more than five per cent annually is available for aiding students.

DENISON STUDENT HEALTH SERVICE

Included in the regular tuition is an amount set aside partially to cover the expense of the student health service. This is a distinct department of the University and is supervised by the college medical officer and a trained nurse.

All its activities are centered in the Whisler Hall Memorial Hospital. Here is located the college clinic, where students may have unlimited medical attention. The medical officer is available at certain hours for consultation, examination and treatment, when necessary. A trained nurse is on duty at all time.

In case of need each student is entitled to 3 days of care in the hospital, with no additional charge. For periods in excess of this time, a nominal charge of \$2.00 per day is made. Only unusual medical or surgical treatment is charged against the student. This includes calls at student rooms, special nurses, or unusual medicines or appliances.

The college medical officer co-operates with both the departments of physical education in the matter of physical examinations, health education and advice, and care of the members of athletic teams.

ADMISSION TO THE COLLEGE

A. BY CERTIFICATE

The graduates of first grade high schools and academies are credited with their certified preparatory work without examination, so far as such work agrees with the entrance requirements of the University. Candidates must present certificates, officially signed, showing the work done and credit gained in each study. These certificates must be in the hands of the Director of Admissions not later than two weeks before the opening of the respective semesters, to avoid late registration and the consequent fee. Entrance blanks will be furnished upon request.

Applications for admission with residence in women's dormitories must be accompanied by a \$10.00 fee and by a certificate of entrance with application and recommendation blanks, and any advanced credits (with honorable dismissal) by July 15 of the year of entrance.

B. BY EXAMINATION

Applicants for admission who are not graduates of approved secondary schools may present themselves for examination in the subjects required for entrance to the freshman class. Examinations will be given on September 16, 17, 1930.

It is recommended that candidates for admission by examination take the examinations set by the College Entrance Examination Board, at any of the several cities where they are offered. Applications should be addressed to the office of the Board, 431 West 117th St., New York, before June 18, 1930.

No special students can be accepted for undergraduate work. In general, only applicants can be considered who are graduates of secondary schools properly accredited by the North Central Association of Secondary Schools and Colleges, and by the State Department of Education.

ENTRANCE REQUIREMENTS

Fifteen units distributed as indicated below are required for entrance, and no student is admitted to freshman rank who has not completed at least fourteen units. A unit is defined as a year's course of study in a given subject, with 4 or 5 forty-minute periods of recitation per week, in an approved secondary school.

1. The following 11 units are prescribed for all:

English, 3	History, 1
Algebra, 1	Science, 1 (Physics, Chemistry, Zoology, Biology, Botany Physiography.)
Geometry, 1	

Foreign language, 4 (at least 2 in the same language, preferably Latin.)

Applicants for admission who have 15 acceptable units but who are not able to present 4 years of foreign language, may be admitted with 2 years, provided their grade rank is in the upper third of their class. Any students admitted with language deficiencies shall elect language courses in college without loss of credit. One year of college work is required to make up a unit of deficiency.

2. At least 2 additional units must be selected from the following subjects, the number indicating the maximum number of units that will be accepted in any subject:

English, 4	Physics, 1
Latin, 4	Chemistry, 1
Greek, 3	Physiography, 1
French, 3	Botany, 1
German, 3	Zoology, 1
Spanish, 3	Physiology, 1
History and Civics, 4	Agriculture, 1
	General Science, 1

Mathematics, $3\frac{1}{2}$ (Algebra, Geometry and $\frac{1}{2}$ unit of Trigonometry.)

In this group may be included the following subjects with the respective units noted, upon the recommendation of the college departments especially concerned:

Bible, 1	Psychology, $\frac{1}{2}$
Economics, $\frac{1}{2}$	Sociology, $\frac{1}{2}$
Theoretical Music, 1	

3. Not more than two units may be presented from the following subjects:

Mechanical Drawing, 1	Manual Training or Shop Work, 1
Freehand Drawing, 1	Commercial Law, 1
Domestic Science, 1	Commercial Geography, 1
Stenography (if a full unit), 1	

PROVISIONAL ADMISSION

High school graduates who lack not more than 2 of the prescribed units for entrance may be admitted provisionally. Such units must be cleared during the freshman and sophomore years. In most cases these credits can be acquired in college. If taken in college, one year of college work in a subject is required to make up a unit of deficiency.

EXCESS ENTRANCE CREDIT

Application for excess entrance credit must be made at the time of matriculation and documentary evidence of the same presented within six weeks. All such credit, if allowed, is provisional upon the student's maintaining a prescribed high standard of scholarship during the year. No excess entrance credit is allowed for high school work, unless at least one semester more than four years has been spent in the secondary school; when allowed, it shall never represent more than fifty per cent of the school credit, and the maximum is ten semester hours. In cases of deficiencies in the required subjects for entrance (although a total of fifteen units is presented), a request for a limited amount of excess entrance credit partly to counterbalance the deficiency will be given consideration by the Director of Admissions.

ADVANCED STANDING

Students who have completed a part of their course at other colleges may apply for admission with advanced standing. They should present a certified statement of their preparatory course, also of the work completed and the credit gained at the former institution, and a certificate of honorable dismissal. Equivalent credit will be given for the work they have successfully completed, so far as it applies to the courses at Denison, but an examination may be required at the discretion of the Faculty.

REGISTRATION OF STUDENTS

Students will present themselves for registration at the days assigned for that purpose. (See University Calendar on page 7 of this catalogue). Otherwise a fee of \$5.00 is charged for late registration.

ADVISERS

Each student chooses as early as possible the department containing the line of study which he wishes to emphasize in his

course. The professor in charge of this department becomes the student's adviser in his course of study and must be consulted at each subsequent registration.

SUBJECTS OPEN TO FRESHMEN

Course 111-112 in English, 111-112 in Latin or Greek or 115-116 in Mathematics, and 111-112 in Physical Education are required of all candidates for degrees. Mathematics 121-122 may be substituted for Mathematics 115-116 in this requirement, likewise Latin 101-102 in the place of Latin 111-112 by those who have had only two years of high school Latin. None of these subjects may be deferred later than the freshman year except with the consent of the Registrar, on recommendation of the head of the department concerned.

The freshman schedule, in addition to the subjects mentioned in the preceding paragraph, will be determined by the student in consultation with his adviser from the following subjects:

Astronomy 101-102, 111-112	Modern Languages
Botany 111-112	Music 101-102, 103-
Chemistry 110 (women only)	104, 111-112
111-112, 113	Physics 111-112, 113-114
Christian Education 111-112	Speech 111-112
Education 101	Zoology 111-112
Engineering Science 111, 113-114	
Geology 111-112, 121-122	
Greek 111-112	
History 111-112	
Latin 101-102, 111-112	
Mathematics 115-116, 121-122	

Beginning language courses are open to freshmen, or more advanced courses if the elementary work has been done in the preparatory school.

ADDITIONAL REGULATIONS

Normal Registration. The average number of credit hours is 16, estimated as 1 credit for 1 hour recitation period or 2 hours

laboratory period per week during the semester, to make up the requirement of 128 credit hours for graduation. This is the amount recommended for students in all classes, to secure best results. The maximum allowed a new matriculant is 18 hours, including 1 hour of physical training.

Excess Registration. For other students, more than 16 hours is *excess* and cannot be allowed except by consent of the Registration Committee in applying definite regulations of the Faculty. To register for 17 hours the student must have accumulated 21 points in the preceding semester, with no mark below passing; to register for 18 hours he must have accumulated 25 points in the preceding semester, with no mark below passing. A schedule of 17 hours which includes Physical Education 111-212 inclusive, or Music 103-204 (ensemble) inclusive, will not be interpreted as excess registration, nor will points acquired in these specific courses be counted toward meeting excess requirements. A fee of \$5.00 shall be charged for each registered hour in excess of 18. Without special permission from the Dean's office, 13 credit hours shall be the minimum amount of registration.

Changes in Registration. Ordinarily no changes are allowed in registration after the registration card has been filed with the Registrar. For every change that is allowed, a fee of \$1.00 will be charged, unless remitted by the Registrar for satisfactory reason.

Late Registration. All students must complete their registration and settle with the Bursar on the days set apart for this purpose. Failure to do so will be counted as late registration entailing a special fee of \$5.00.

Dropping Work. Work for which the student has once registered cannot be dropped except by formal permission secured through the office of the Registrar. A course abandoned without such permission, likewise (under certain conditions) a course in which the student is failing, will be counted as a failure and so recorded on the permanent record.

Withdrawal. Students who find it necessary to leave the University before the close of a semester, report to the Dean and

receive withdrawal card. This card is then presented to the Registrar, who completes the withdrawal.

Chapel. All students are required to be regular in attendance upon the chapel exercises and the college assemblies.

CLASSIFICATION OF STUDENTS

For Freshman Standing

No student will be classified as freshman who is deficient in more than 1 unit of preparatory work.

For Sophomore Standing

All entrance deficiencies must be removed.

At least 24 hours of college work and 26 points (including the required freshman courses in English, Mathematics or Latin or Greek and Physical Training.)

For Junior Standing

At least 62 hours and 68 points (including Physical Training 211-212 and all preceding requirements).

For Senior Standing

At least 96 hours and 105 points, and all preceding requirements.

REQUIREMENTS FOR THE BACCALAUREATE DEGREE

Denison University grants the Bachelor of Arts degree upon satisfactory completion of courses. To secure this degree the student must satisfy the following conditions: (1) he must meet the *specified requirements*; (2) he must complete a *major*; (3) he must meet the *group requirements*; (4) he must carry a sufficient number of elective courses to bring his total credit to 128 semester hours; and (5) his work must conform to certain scholastic requirements.

A semester hour of credit is defined as one hour per week of lecture or recitation, or two hours per week of laboratory work, through one semester of 18 weeks.

1. *Specified Requirements.*

(a) English, 6 hours to be taken in the freshman year.

(b) Latin or Greek or Mathematics, 8 hours to be taken in the freshman year.

(c) A reading knowledge of some modern foreign language as shown by passing an examination equivalent to that given at the close of the second college year of that language. In case the student takes his major in one of the departments in Group C (below), this language must be French or German unless the adviser makes an exception. Required modern foreign language, when taken, shall be begun in the freshman year, unless specifically excused for pre-professional students.

(d) Physical Education, 4 hours to be taken in the freshman and sophomore years, plus Hygiene, 2 hours (pp. 98, 101), in the sophomore year.

2. *Requirements for Major.*

The student must select a principal sequence of studies, called a major, in one department of instruction as listed below. This is to consist of at least 24 and not more than 40 hours. Specific major requirements for each department are found under departmental statements. Departments that offer less than 24 hours are allowed to make up that number from other departments subject to faculty approval.

3. *Group Requirements.*

The departments of instruction are as follows:

Group A	Group B	Group C
English	Christian Education	Astronomy
Greek	Economics	Botany
Latin	Education	Chemistry
Modern Languages	History	Engineering Science
	Music	Geology
	(theory and history)	Mathematics

Group B	Group C
Philosophy	Physical Education
Political Science	Physics
Psychology	Zoology
Sociology	
Speech	

In addition to the *Specified Requirements* noted on page 57, 6 hours shall be taken in Group A, 18 hours in Group B, and 12 hours in Group C. Of the 18 hours chosen in Group B, 12 hours must be from the following department: Economics, History, Philosophy, Political Science, Psychology, and Sociology. The 12 hours in Group C must include one of the following laboratory courses:

- Astronomy 111-112 or 211-212
- Botany 111-112 or 113-114
- Chemistry 111-112
- Engineering Science 111, 212
- Geology 111-112
- Physics 111-112, 113-114 or 111-112, 211-212
- Zoology 111-112

4. *Electives.*

The total of 128 hours for graduation will be made up by adding to the above program such studies as the student may elect with the approval of his adviser.

5. *Scholastic Requirements.*

All credits to be counted for the major must be "C" grade or above. By the close of the semester previous to graduation, the candidate for a degree must have earned at least 110 semester hours credit and 112 points, and must have paid all University bills including diploma fee.

A student's class work is graded as follows, with the accompanying point value for each grade:

- "A" (Excellent)..... Earns 2 points per credit hour.
 "B" (Good)..... Earns 1½ points per credit hour.
 "C" (Fair)..... Earns 1 point per credit hour.
 "D" (Passing)..... Earns no points.
 "F" is a failure, and in order to receive credit, course must be taken over in class.

A total of 140 points must be earned for graduation.

Any student who fails to make six points at any nine weeks' report shall withdraw from the University with no refund of fees, with the exception that no student shall be dismissed for this reason at the end of his first nine weeks of residence, but shall be placed on probation for the rest of the semester.

A freshman who fails to make nine points but who has earned at least six points during the first semester shall be placed on probation, with the understanding that if his work is not earning at least twelve points by the end of the second semester he may not re-register in the University the following semester.

A freshman who fails to make twelve points during the second semester, unless his work has been previously earning eighteen points, may not re-register in the University the following semester.

A sophomore who fails to make twelve points during the first semester shall be placed on probation with the understanding that if his work is not earning at least fourteen points by the end of the second semester he may not re-register in the University the following semester.

A sophomore who fails to make fourteen points during the second semester, unless his work has been previously earning eighteen points, may not re-register in the University the following semester.

A junior who fails to make fourteen points during the first semester shall be placed on probation with the understanding that if his work is not earning at least sixteen points by the end of the second semester he may not re-register in the University the following semester.

A junior who fails to make sixteen points during the second semester, unless his work has been previously earning eighteen points, may not re-register in the University the following semester.

When a student's registration in College is affected by an "I" grade upon his record he must remove this incomplete at least one week before registration.

SPECIAL PRE-MEDICAL PROVISION

Any student who successfully completes all the specific requirements for graduation at Denison and all the specific requirements for admission to an A grade medical school, with a total credit of 98 semester hours and 110 points, shall receive the degree from Denison upon successful completion of the first year's work in such A grade medical school.

THE MASTER'S DEGREE

Denison has no organized graduate department, but provision may sometimes be made to pursue graduate work leading to the degree of Master of Arts or Master of Science. Before registering, the applicant for such work should first get definite information from the departments of instruction concerned that they can furnish him graduate work, and should then at once present to the Faculty Committee on Advanced Degrees a statement of his plans for its approval. This should not be delayed beyond the regular period of registration required of all college students.

A year of residence work, with a total of 32 semester hours, and a thesis are required. Ability to read one foreign language is

also required. The course shall consist of one major sequence comprising advanced work of graduate nature and amounting to one-half or more of the entire amount of work, with one or more minors in departments allied to that of the major sequence. Courses taken before graduation will be allowed to count only up to a limited number of hours. There will be a final oral examination conducted by the Committee on Advanced Degrees. The master's degree will not be conferred sooner than one year after the bachelor's degree

Students in graduate courses are subject to the same tuition and special fees as others. Their diploma fee is \$10.00.

EXPENSES

TUITION

(Including special fees for athletics, student activities and hospital service.)

Per semester.....\$125.00

Tuition in Conservatory of Music, (See page 118)

DIPLOMA FEES

Bachelor's Degree.....\$ 5.00

Master's Degree..... 10.00

EXTRA CHARGES FOR CERTAIN COURSES

The fees indicated below are in all cases for a single semester. In some cases the fee is not a fixed amount, but depends upon special circumstances. Such cases are not included in this table.

ASTRONOMY—Course 112.....\$2.00

212..... 2.00

311-312 per credit hour..... 1.00

BOTANY—Course 111.....\$ 3.00 112.....\$ 3.00

113..... 2.00 114..... 2.00

213..... 3.00 214..... 3.00

315..... 4.00 316..... 4.00

317..... 4.50 318..... 4.50

417..... 1.00 418..... 1.00

CHEMISTRY—

A deposit of \$4.00 is required for each laboratory course, to cover breakage and use of non-returnable supplies. Additional fees as follows:

Course 111.....	\$ 6.00	112.....	\$6.00 (or \$9.00)
211.....	6.00 (or \$9.00)	212.....	6.00 (or 9.00)
223.....	6.00	224.....	6.00
313 Consult instructor		314 Consult instructor	
411.....	6.00	412.....	6.00
413.....	No fee	414.....	No fee
415 Consult instructor		416 Consult instructor	

EDUCATION—

415.....	\$ 8.00	416.....	\$ 8.00
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ENGINEERING SCIENCE—

Course 111.....	\$ 1.00	112.....	\$ 1.00
113.....	1.00	114.....	1.00
115.....	1.00	212.....	2.00
211.....	1.00	325.....	1.00
322.....	2.00	336.....	1.00
330.....	2.00	412.....	1.00
411.....	1.00		

GEOLOGY—

All Courses, each.....	1.00
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MUSIC—Courses 201, 202, 221, 222, 313, 314, 331, 332.....	12.00
301, 302, 311, 312, 441, 442, 451, 452.....	8.00

Pianoforte, Voice, Organ, Violin, Violoncello, Wind Instruments.

Two private lessons per week..... 50.00

One private lesson per week..... 27.50

PHYSICS—Course 113.....	2.00	114.....	2.00
211.....	3.00	212.....	3.00
311.....	3.00	312.....	3.00
431.....	3.00	432.....	3.00
		344.....	3.00

ZOOLOGY—Courses 111, 112, 211, 212, 223, 224, 227, 228.... 1.25
per hour of credit.

BOARD AND ROOMS

Shepardson College	Room	\$75.00
	Board in Commons.....	\$6.00 per week
Granville College	Room	\$35.00 to \$40.00

Students of Granville College must make private arrangements for their meals.

Semester bills, including dormitory room-rent (and board in case of Shepardson students) are *payable in advance*. All payments, even if deferred by permission of the Dean, must be completed by December first and April fifteenth in the respective semesters, in order to avoid suspension from classes.

SUMMARY OF EXPENSES

	<i>Minimum</i>	<i>Liberal</i>
Tuition (including general student fees).....	250	250
Special Laboratory fees.....	10	50
Room rent	70	*150
Board	180	216
Books and Supplies.....	30	50
Fraternity and Social.....	45	85
Personal Incidentals.....	50	90
	<hr/>	<hr/>
Total.....	635	891

*Uniform fixed charge for women.

SPECIAL FEES

Excess Registration. For conditions and amount, see page 55.

Partial Registration. Students taking less than 10 hours per week will be charged as follows: \$8.00 per semester hour, and the special fees for athletics, student activities and hospital service. See exception in Conservatory (page 118).

Late Registration. See page 55.

Examinations. A fee is charged for a special examination: \$2.00 in case of a final; and \$1.00 for a mid-semester, 1 hour examination.

Refunding Semester Bills. All registrations are for an entire semester and no money is refunded to a student who leaves before the end of the semester, with the following exceptions: a college student leaving during the first half of the semester, and regularly dismissed, will pay for the time of his actual enrollment at the rate of \$8.00 per week, counting from the first of the semester to the date of dismission. The remainder of the semester charges will be refunded, except the amounts credited to the special fees.

REGULATIONS RESPECTING DORMITORIES

Men's Dormitories—Rooms for men in the dormitories may be secured on application to the Bursar by paying a deposit fee of \$5.00 on or before August 1. If the applicant occupies the room for the entire, this fee will be returned, subjects to the rules and regulations governing the use of dormitories; otherwise it is forfeited.

No room can be secured for a shorter time than one semester. If a room is vacated for any cause before December 1 of the first semester, or before April 15 of the second, only one-third of the room rent will be refunded. No rent will be refunded after these dates.

Rooms are in suites comprising sitting-room and bed-room (except single rooms for one person) and are supplied with dresser, bookcase and chairs, single iron bedsteads, mattresses and springs. Bedclothing and towels are provided by the student. The rooms are lighted by electricity and heated by hot water, and are in close proximity to lavatories on the same floor, where shower baths are provided with hot and cold water.

Women's Dormitories—Rooms are provided for young women on the Shepardson College campus in Burton Hall, King Hall, and Stone Hall, in Parsons House on the corner of Elm and Mulberry streets, in Mary Thresher Beaver Hall, Sawyer Hall and Gilpatrick House on the upper campus. Rooms may be secured by paying an application fee of \$10.00. This fee is credited on the

room rent if the room is subsequently occupied by the applicant. It is not returnable after a student has been accepted for admission. For important information concerning admission, see page 50.

Ample lavatories are provided on each floor, which have baths with hot and cold water. Single iron bedsteads, mattresses, springs and rugs are provided in all rooms. All rooms and halls are lighted by electricity and heated by hot water. All bedding and toilet appliances are furnished by the students, whether in dormitories or cottages. Breakage or other damage to furniture of rooms is charged to the occupants.

Refunding of Charges.—No rebate can be made in the room rent of women, but to students leaving on regular dismissal before the December vacation of the first semester, or the spring vacation of the second, a charge is made of \$8.00 per week for board. No rebate is granted after these dates. No refund of special fees is made. See above, Expenses, page 61.

STUDENT EMPLOYMENT

A limited amount of remunerative employment is furnished by the University, including stenography, typing, mimeographing and other office work; library, laboratory and departmental assistance; messenger and telephone service, hall duty, janitor, carpenter and campus work. A total of about \$25.00 per

semester is usually possible for new students. Apply to the Student Aid Committee for such employment. Many students find outside work by applying through the Y. M. C. A. Employment Committee.

Departments and Courses of Instruction

All the departments of instruction are listed in alphabetical order in the following pages, with the title, outline, and other information of all the courses offered. The numbering indicates the year in the curriculum for which the courses are primarily intended, 100-200 for freshmen, 200-300 for sophomores, and so on. The odd-numbered courses are given in the first semester, the even-numbered in the second semester; in a few cases the course is repeated, with the same numbering, in the other semester. The Roman numeral indicates the period in the daily schedule at which the class meets and the hours refer to the units of credit for the course. Four-hour courses at periods I and II omit Friday; at other periods, omit Monday. Three-hour courses at periods I and II meet Monday, Wednesday, Friday; at periods III and IV, Monday Tuesday and Thursday; at periods VI and VII, Tuesday, Thursday and Friday. Two hour courses at the respective periods meet on the days omitted in the three-hour schedules. Period V, one-half hour, is reserved for chapel service.

ASTRONOMY

MR. BIEFELD

Astronomy has perhaps less of a direct outlet than any other study in the curriculum. However, as it involves, as a major, the highest and best training in the physical sciences and mathematics, it ought to provide the high school and college with the best trained teachers in those subjects.

A major sequence in this department includes the following courses: 211-212 (8 hours), 214 (2 hours), 311-312 (8 hours), 411-412 (6 hours).

101-102. ANCIENT AND MEDIEVAL ASTRONOMY. Two lectures a week and assigned reading in mythology of constellations. Study of the heavens one hour each week with naked eye and the telescope of the observatory. Open to all

IV, 2 hours.

111. **ELEMENTARY ASTRONOMY.** Four recitations a week based upon lectures with mimeograph notes and text, with one hour a week (needing no preparation on the part of the student) on Tuesday or Thursday, 8-9 p.m., for constellation study and the demonstration of instruments. No prerequisite. VI, 4 hours.

112. **ELEMENTARY PRACTICAL ASTRONOMY.** This course introduces students who have had course 111 or its equivalent, and engineering students who wish to supplement their surveying course, to the use of the instruments in solving practical astronomical problems in an elementary way. Prerequisite, 111. Fee, \$2.00, with laboratory hours to be arranged. VI, 4 hours.

211. **DESCRIPTIVE ASTRONOMY.** A standard text is used together with lantern slides and demonstration of the instruments of the observatory. Prerequisite, Freshman Mathematics. Physics, 111-112 is advised. I, 4 hours.

212. **PRACTICAL ASTRONOMY.** This is a laboratory course for the solving of astronomical problems with the precision that the modern instruments of the observatory allow. Prerequisites, Astronomy 211 and Physics 211. Fee, \$2.00. 4 hours.

214. **METHOD OF LEAST SQUARES.** Advised for students taking Astronomy 212. Hours to be arranged. 2 hours.

311-312. **ADVANCED OBSERVATIONAL WORK.** Measurement of double stars and position of celestial objects differentially with position micrometer. Stellar Photometry with naked eye and wedge photometer. Prerequisite, Astronomy 211. Hours to be arranged. Fee, \$1.00 per credit hour.

411-412. **INTRODUCTION TO CELESTIAL MECHANICS.** A standard text is used taking up the fundamental principles of the subject. Application to determination of ephemerides and orbits of planets and comets. Prerequisite, Astronomy 211 (may be taken the same time as 411) and the calculus, including, preferably, an introduction to Differential Equations. IV, 3 hours.

BOTANY

MR. STICKNEY

Botany courses are useful to bacteriologists, plant pathologists, horticulturists, foresters, landscape architects, museum curators, and experts in the Department of Agriculture and university laboratories.

111-112. **GENERAL BOTANY.** Introductory to all other courses in the department, and designed also for students in other departments who desire a general acquaintance with biological laws and theories. A general consideration of living organisms and life processes, and a study of the origin of individuals and races through reproduction and evolution. The course does not follow the lines of elementary botany of secondary schools and is designed equally for those entering with or without such course. Fee, \$3.00. Lectures and quiz Tuesday and Thursday, IV. Laboratory, two sections, Monday or Wednesday, III-IV. 3 hours.

113-114. **DESCRIPTIVE AND SYSTEMATIC BOTANY.** A general treatment of the higher flowering plants, emphasizing structure and function in the first semester and identification and classification in the second. Designed to meet the needs of students who wish to cover intensively the formal course in elementary botany, either as an introduction to the subject or with a view to teaching. Field trips alternate with laboratory studies during the open season of both semesters. Open to all. Fee, \$2.00

VI-VII, 3 hours.

209. **APPLICATION OF BOTANY.** A lecture course dealing with man's relation to plants and plant life. The plant as a food-building machine, the world's food supply, fuel, drug plants, fibre plants, poisonous plants, lumber, forest influences and conservation, and ornamental plants and landscaping are among the topics included. Designed as a general culture course. Open to all.

II, 2 hours.

210. **BACTERIOLOGY OF DISEASE.** A lecture course dealing with germ diseases, from the standpoint of personal and public hygiene. The nature of pathogenic bacteria and their toxins, modes of infection, disease resistance and immunity, and the use of protective and preventive measures. Open to general election.

II, 2 hours.

213-214. **PLANT MORPHOLOGY.** A very general survey of the plant kingdom, with a study of type forms from the lowest to the highest orders. One all-day field trip and several shorter excursions each semester. Alternates with courses 315-316. Prerequisites, Botany 111-112 or 113-114, or Zoology 111-112. Fee, \$3.00. Four credits. Offered in 1929-30.

III, 4 hours, and IV, 2 hours.

315-316. **PLANT HISTOLOGY AND PHYSIOLOGY.** The study of cells, tissues, and organs of higher plants, and of the relation of these structures to life processes. Special attention is given to the technique of microscopic study during the first semester, and to experimental methods during the second. Alternates with courses 213-214. Four credits. Prerequisite, courses 111-112 or 113-114. Fee, \$4.00. Not offered in 1929-30.

III, 4 hours, and IV, 2 hours.

317-318. **BACTERIOLOGY.** An elementary course introducing the student to the nature and activities of bacteria, and to the technique and

methods of bacteriological study. Elementary chemistry is advised in addition to course 111-112 or Zoology 111-112, the regular prerequisite for this course. Fee, \$4.50. Not offered in 1929-30. I-II, 3 hours.

417-418. BOTANICAL SEMINAR. The study of special topics with reports in class upon assigned readings. Either or both semesters may be taken. Ability to use French or German is desirable. Open to juniors and seniors only. Prerequisite, course 111-112 and an additional year's work in the department. Hours to be arranged. Fee, \$1.00. 2 hours.

419-420. ADVANCED BOTANY. Special work on assigned problems leading to research in botany. This course may be taken only by competent students, and with consent of the head of the department. Two to five credits. Hours arranged individually.

CHEMISTRY

MR. EBAUGH, MR. EVERHART

Graduates from the department of Chemistry find employment in the industries, in high school teaching, in engineering, and in government service. Many of them enter the medical profession, for the entrance requirements in chemistry in medical schools are high.

Chemistry 111-112 is a fundamental course open to all students and is required of students who expect to specialize in dentistry, engineering, medicine, nursing, home economics and allied subjects.

Students specializing in Chemistry usually take courses 111-112, 211-212, 223-224, 411-412, and 413-414. If they cannot present the prerequisite for courses 411-412, enough credits must be offered from courses 113, 210, 312 and 313-314 to make up the minimum of 24 hours.

110. CHEMISTRY OF THE HOME. The application of chemistry to household problems, foods, nutrition, etc. Prerequisite, high school chemistry. Lecture or recitation, Wednesday and Friday, III. 2 hours. Mr. Ebaugh.

111. GENERAL CHEMISTRY. (Non-metals.) Principles and theories of chemistry, the quantitative aspect of the subject and the solution of problems in chemical arithmetic. It is recommended that a student com-

plete a course in elementary chemistry or physics as a preparation for Chemistry 111. Fee and deposit, \$10.00. Section A; recitation or lecture Monday and Wednesday, II period, laboratory Tuesday and Thursday, I and II period. Section B; recitation or lecture Tuesday and Thursday, VII period, laboratory Wednesday and Friday, VI and VII period.

4 hours. Mr. Ebaugh.

112. GENERAL CHEMISTRY. (Metals and Qualitative Analysis.) A continuation of Chemistry 111. The close connection between chemistry and industry is emphasized. Common blowpipe tests, reactions of metallic and non-metallic ions, and the analysis of mixtures of increasing difficulty. Prerequisites, Chemistry 111. Fee and deposit, \$10.00. Four or five credits may be earned depending upon the amount of laboratory work taken. Sections and hours as in Chemistry 111. Mr. Ebaugh.

113. CHEMICAL CALCULATIONS. A course emphasizing methods of calculation employed in solving numerical problems dealing with the application of fundamental laws to practical questions. Chemistry 111 must accompany or precede this course. Recitation, Friday, II.

1 hour. Mr. Everhart.

210. ADVANCED INORGANIC CHEMISTRY. A course designed to elaborate and expand in a quantitative way the principles of chemistry. The course supplements Chemistry 111-112, and is intended to furnish a thorough drill in the application of basic laws and theories of the structure of inorganic substances. Prerequisite, Chemistry 112. Lecture or recitation, Tuesday and Thursday, II.

2 hours. Mr. Everhart.

211-212. QUANTITATIVE ANALYSIS. Gravimetric, volumetric, and electrolytic methods of analysis are studied. Constant drills in chemical calculations and underlying theories. Prerequisite, Chemistry 112 (as outlined above). Fee and deposit, \$10.00 per course. Recitation, Monday IV, laboratory, Monday and Wednesday, or Tuesday and Thursday, VI and VII.

3 hours. Mr. Ebaugh.

223-224. ORGANIC CHEMISTRY. A study of carbon compounds is accompanied by the preparation of typical organic substances, determination of physical constants and chemical properties, and practice in the use of tests employed in special branches of chemistry. Prerequisite, Chemistry 112. Fee and deposit, \$10.00 per course. Lecture or recitation Monday and Wednesday, I, laboratory, Thursday or Friday, I and II.

3 hours. Mr. Everhart.

312. CHEMISTRY OF INDUSTRY AND BUSINESS. The application of chemistry to processes and problems of industry and business. Prerequisite, Chemistry 112. Lecture or recitation, Tuesday and Thursday, III, supplemented by regular inspection trips to manufacturing plants.

2 hours. Mr. Ebaugh.

313-314. **ADVANCED QUANTITATIVE ANALYSIS.** Special methods of analysis in the following groups: (a) mineral and ore analysis, (b) water analysis, (c) gas analysis, (d) foodstuff analysis, (e) metallurgical analysis, (f) technical analysis for specific industries. Prerequisite, Chemistry 212, and for (d), Chemistry 224. Fees, credit and hours to be arranged. Mr. Ebaugh.

411-412. **PHYSICAL AND ELECTROCHEMISTRY.** Modern theories of solution, dissociation, chemical equilibrium, thermochemistry, and electrochemistry. Prerequisites, Chemistry 212, and 224, Physics 212 and the calculus. Fee and deposit, \$10.00 per course. Monday and Wednesday, IV. Laboratory hours to be arranged. 3 hours. Mr. Everhart.

413-414. **HISTORY OF CHEMISTRY.** Prerequisite, Chemistry 224. Hours to be arranged, (usually Tuesday VIII.) 1 hour. Mr. Ebaugh.

CHRISTIAN EDUCATION

MR. STEWART, MISS CRAWFORD

Christian Education courses lead after further study to: the ministry, the mission field, church director of religious education, supervisor of weekday church schools, Y M. C. A. and Y. W. C. A. work, teacher in school or college, specialized forms of service—editorial, secretarial, promotional. The courses also make preparation for the following, though further study is advisable: teacher in weekday church school, pastor's assistant.

The two-fold aim of the instruction in this department is general religious culture and preparation for efficient Christian service. The subjects offered include a group of biblical courses, a second group of the practical and technical matter of religious education, two courses on the meaning and place of religion, and one on the spread of Christianity through missionary activity.

111. **OLD TESTAMENT.** The historical background, the development of religious thought, the work and place of the leading characters, the setting of the various books.

IV, VI, 3 hours. Mr. Stewart.

112. **LIFE AND TEACHINGS OF JESUS.** This course forms a unit with course 111. A study particularly of the synoptic Gospels for the facts of

Jesus' life and the social bearings of his teaching and example.

IV, VI, 3 hours. Mr. Stewart.

115. PRINCIPLES OF RELIGIOUS EDUCATION. The principles, problems and programs of religious education as carried on by the local church and community, including a study of the week-day church school and the church vacation school. Observation, demonstration work.

III, 3 hours. Miss Crawford.

116. THE MODERN SUNDAY SCHOOL. A practical study of the modern, graded Sunday School (in its relation to the program of Christian education of the church.) Observation, demonstration, practice work included.

III, 3 hours. Miss Crawford.

120. THE VACATION CHURCH SCHOOL. A course to prepare the student to render effective service in the Church Vacation School. The aims, organization, administration, program, curriculum, and teaching will be studied.

I, 2 hours. Miss Crawford.

211. OLD TESTAMENT PROPHETS. A more thorough study of the life and work of the great prophets; the social and political situation in which they found themselves, the reforms they sought to accomplish, and the permanent contribution they made to religious life and thought. Prerequisite, course 111.

VII, 3 hours. Mr. Stewart.

212. THE EARLY CHURCH. This course begins with the account in Acts, lays great emphasis on the life and work of Paul, and carries the study to the end of the Apostolic Age. Prerequisite, course 112.

VII, 3 hours. Mr. Stewart.

213. HISTORY AND GEOGRAPHY OF BIBLE LANDS. The topography the natural and political history and the manners and customs of the Bible lands are studied, with laboratory equipment as aids. Prerequisite, course 111 or 112.

I, 3 hours. Miss Crawford.

216. PROBLEMS OF RELIGION. A course that seeks by lecture, reading, discussion, and conference to discover the meaning of religion and its place in human life, in particular to aid in the solution of those religious problems confronted by undergraduate thought. Prerequisites, courses 111-112. Alternates with course 302. Offered in 1930-31.

III, 3 hours. Mr. Stewart.

217. THE HISTORY OF RELIGION. Meaning and origin of religion, nature of primitive and classical religions, history of present non-Christian faiths. Alternates with course 319. Offered in 1930-31.

III, 3 hours. Mr. Stewart.

223. HISTORY OF CHRISTIAN EDUCATION. The history and development of Christian education from the ancient Jewish and Greek systems, through the monastic, renaissance, and reformation periods to modern times.

Prerequisite, course 115. Alternates with course 317. Not offered in 1930-31. I, 3 hours. Miss Crawford.

202. MISSIONS. History and development of Christian missions. Geographical, racial, religious influences upon the various peoples. The problems and opportunities in the mission fields. The meaning of the present situation. Alternates with course 216. Not offered in 1930-31.

III, 3 hours. Mr. Stewart.

311. METHODS OF TEACHING RELIGION. A practical study of the principles and methods of pedagogy in relation to teaching which leads to the development of Christian character. Observation of teaching in Sunday Schools and weekday church schools. Prerequisite, course 116.

II, 3 hours. Miss Crawford.

312. STORY TELLING AND DRAMATIZATION. Principles of story-telling, selection of stories, compilation of stories and sources of story material. The educational value of the dramatized story, methods of dramatization. Participation in weekly story hour for children. Prerequisites, courses 111, 112 or 116.

II, 3 hours. Miss Crawford.

319. PSYCHOLOGY OF RELIGIOUS DEVELOPMENT. This course seeks to understand the religious and moral capacities of childhood and early adolescence, to discover the course of their development, and to examine the agencies available for the cultivation of a wholesome religious life. It is desirable that students first take Psychology 211. Prerequisites, courses 111, 112, 115. Alternates with course 217. Not offered in 1930-31.

III, 3 hours. Mr. Stewart.

321. WORSHIP AND HYMNOLGY. The hymnbook as a history of the Christian Church; the nature and function of worship; principles of building programs for church services, church schools, young people's meetings, clubs, and camps.

IV, 3 hours. Miss Crawford.

322. CHRISTIAN ART. A general cultural course dealing with the history and appreciation of Christian art, from its beginning to the present day. Open to juniors and seniors. IV, 3 hours. Miss Crawford.

411-412. SEMINAR. Open to advanced students in Christian Education, with consent of instructor. Individual assignments to field work and research. Time to be arranged. 2 hours.

STUDENT TEACHING. Teaching Christian education in weekday church schools, with credit on state teachers' certificate, for students meeting requirements of the department of Education. Students register for Education 415-416.

Miss Crawford.

CLASSICAL LANGUAGES

MR. DEAN, MISS AKERS, MRS. CRESSEY

The department of Classical Languages prepares students to become teachers of Latin or to take up graduate work in other universities. The study of Latin and Greek constitutes an excellent foundation for one who specializes in any modern language, including English, and for the historian and student of the social sciences. Knowledge of Greek is helpful to the scientist in his use of technical terms and to the man who is going into the Christian ministry.

A major in Classical Languages may be secured by completing (1) Greek 111-112, 211-212 and Latin 111-112 and 211-212; (2) Greek 111-112, 211-212 and eight additional hours in Greek; (3) Latin 111-112, 211-212 and eight additional hours in Latin. (Latin 101-102 may not be counted on the major.)

A minor in Classical Languages will consist of not less than 12 hours in the language courses in either Greek or Latin. (Greek 101-102, Latin 101-102, 215-216 may not be counted on the minor.)

Courses Not Involving a Study of the Language

GREEK

101. GREEK CIVILIZATION. A topical study of the different elements which entered into the Greek civilization of its best period, together with a study of the contribution which that civilization has made to our times. The course does not require a knowledge of the Greek language. Open to all students. III, 2 hours. Miss Akers.

102. GREEK LITERATURE IN ENGLISH. A course designed to give an acquaintance with the field of Greek Literature and its contribution to modern thought. Lectures and assigned readings from translations of Greek authors. Open to freshmen by permission. III, 2 hours. Miss Akers.

LATIN

215. ROMAN LIFE. An outline of the more important phases of Roman character and achievement. The text book will be supplemented by notes and assigned reading, with photographs and illustrations for certain portions of the work. Not open to freshmen. VI, 2 hours. Mrs. Cressey.

216. MYTHOLOGY-RELIGION. A study of the myths of the Greeks and Romans, with special reference to their influence in English Literature. Lectures and readings on Roman religion. Not open to freshmen.

VI, 2 hours. Mrs. Cressey.

Language Courses

GREEK

111-112. An introduction to the Greek language through the study of Attic Greek. Drill on forms, grammar and sight reading. Open to all students.

II, IV, 4 hours. Miss Akers.

211. ATTIC PROSE. Selections from Xenophon and Herodotus. Emphasis upon rapid reading from sight.

VI, 4 hours. Miss Akers.

212. HOMER. Lectures on the form and the background of the epic. Rapid reading from selected portions of the Iliad and Odyssey.

VI, 4 hours. Miss Akers.

NOTE—Courses 111-112, 211-212, are prerequisite for any of the following courses.

331-332. NEW TESTAMENT. Rapid reading in the Synoptic Gospels and the Epistles; study of the philology and interpretation of the portions read. Not offered in 1930-31.

IV, 2 hours. Mr. Dean.

333-334. NEW TESTAMENT. Selections from the Gospel of John, the Acts, and Revelation; philology and interpretation.

Offered in 1930-31.
2 hours. Mr. Dean.

411-412. According to the desire of those majoring in Greek, dramas or portions of Plato or of Demosthenes will be read. Period to be arranged.

3 hours. Mr. Dean.

LATIN

101. Selections from the Orations of Cicero, or from Ovid's *Metamorphoses*. Intensive work in form and syntax; sight translations. Open to students who have had 2-3 years of secondary Latin.

5 days, II, 4 credit hours. Mrs. Cressey.

102. VIRGIL. Selections from the first six books of the *Aeneid*; supplementary work as in course 101. Prerequisite, course 101, or 3 years of secondary Latin.

5 days, II, 4 credit hours. Mrs. Cressey.

111. SELECTIONS FROM ROMAN HISTORIANS. A study of the turning points in Rome's history as told by the leading Latin writers. In 1930-31 Cicero: De Amicitia and De Senectute will be read. Comprehension and analysis of the language and style are emphasized both in prepared and in sight translation. For students who have four years of Latin in High School. I and III, 4 hours. Mrs. Cressey, Mr. Dean.

112. SELECTIONS FROM ROMAN POETRY. An introduction to the best poems in Latin literature. Notes on Roman poetry and metrical study. I and III, 4 hours. Mrs. Cressey, Mr. Dean.

211. LATIN COMEDY. Plautus and Terence, three or more plays. Notes on the history of Ancient Drama. Sight reading. IV, 4 hours. Mrs. Cressey.

212. PLINY AND CATULLUS. Letters and Poems with some attention to the social life of the periods in which they were written. IV, 4 hours. Mrs. Cressey.

311-312 VIRGIL. A study of the poems of Virgil and their place in the history of literature from points of view which cannot be emphasized in the preparatory school. Especially advised for students who expect to become teachers of Latin in secondary schools. Open to juniors and seniors who have had not less than three semesters' work in Latin. These courses alternate with courses 313-314 and are offered in 1930-31. II, 3 hours. Mr. Dean.

313-314. LATIN LITERATURE. A comprehensive survey of all the literature in the Latin language down to the Church Fathers. Selections will be read in the original. Complete works will be covered in the best available translations. Histories of Latin literature will be used in conjunction with the authors studied. Alternates with Latin 311-312 and is offered in 1929-30. Prerequisites, Latin 211-212 and English 211-212. II, 3 hours. Mr. Dean.

315. METHODS IN LATIN. Lectures on teaching Latin in secondary schools. Discussion and study of special points, such as the aims of the study of Latin, high school Latin courses and text-books, and the correlation of Latin with other studies. Training in reading Latin aloud. II, 2 hours. Mr. Dean.

316. LATIN WRITING. A course in composition, open to students who have had Freshman Latin, and especially advised for those who are preparing to teach Latin. II, 2 hours. Mr. Dean.

ECONOMICS

MR. JOME, MR. HAAK

While a few students specializing in Economics continue with post-graduate or professional studies, most of them enter directly into the business field. Some of the general types of work open are: investment banking in its various phases; commercial banking; public accounting (the student beginning as an assistant or a junior in an an accounting firm); college treasurers and business managers; teaching of commercial subjects in secondary schools; secretarial work; insurance; librarians and reference workers in banks and industrial concerns; various phases of production; credit departments; research departments; and federal civil service. It will be possible also to prepare for professional work in business administration.

Students wishing to specialize in Economics are required to take a minimum of 24 hours in this department. In addition they are urged to elect as many as possible of the following courses in other departments: Mathematics 224, Geology 213, Sociology 211 and 302, Political Science 211, 315, and 425, History 213-222, Engineering Science 111-112, and basic courses in Physics and Chemistry.

211-212. **ELEMENTARY ECONOMICS.** The wealth-getting and wealth-using activities of mankind, the organization of production, mechanism for exchange, consumption, valuation and distribution. Special emphasis is placed on the theory underlying modern economic problems. Not open to freshmen. I, II, Mr. Haak; VI, VII, Mr. Jome.

311. **STATISTICAL METHODS.** Tabular and graphic presentation, averages, ratios and coefficients, dispersion, correlation, index numbers. Analysis of business cycles and forecasting methods. The collection of statistical data. A laboratory course. Prerequisites, courses 211-212 or Sociology 211-212. VI, 3 hours. Mr. Haak.

313. **PRINCIPLES OF TRANSPORTATION.** A survey of the important existing methods of transportation: the railroad, steamship, motor bus and truck, and airplane. For each of these the problems of rate making, government regulation, and finance are considered. Prerequisites, courses 211-2. IV, 3 hours. Mr. Haak.

314. **PRINCIPLES OF MARKETING.** A general course dealing with the methods of and problems connected with the marketing of raw materials, farm products, and manufactured products. Consideration is given both to the business and social problems involved. Prerequisites, courses 211-2.

IV, 3 hours. Mr. Haak.

316. **MONEY, BANKING, AND CREDIT.** Money as a medium of exchange and standard of value; foreign and domestic exchange; banking and the business man; banking and foreign trade; banking and the government; government regulation of banking; the Federal Reserve System, its operation and history; the problem of stabilizing the price level. Prerequisites, courses 211-2.

III, 3 hours. Mr. Jome.

325. **BUSINESS LAW.** A survey of the field. The law of contracts, sales, commercial paper, agency, partnerships, corporations. A case course aided by supplementary text book reading. Prerequisites, courses 211-212 or special consent of instructor. Open to juniors and seniors.

I, 5 hours. Mr. Jome.

326. **PRINCIPLES OF ACCOUNTING.** Sufficient book-keeping will be introduced to aid the student in his study of the theory. Prerequisites, courses 211-212 or concurrent registration in course 212.

I, 5 hours. Mr. Jome.

328. **ELEMENTS OF PUBLIC FINANCE.** Consideration is given to both federal and state tax problems. Prerequisites, courses 211-212.

VI, 4 hours. Mr. Haak.

411. **INVESTMENTS.** Stocks versus bonds as types of investment. Railroad, industrial, public utility, and governmental securities are analyzed from the investors point of view. A study is also made of the present day methods of marketing securities. Prerequisites, courses 211-2; 326.

III, 3 hours. Mr. Jome.

412. **LABOR PROBLEMS.** The legal, economic, and social problems involved in industrial relations, attempted solutions such as trade unionism, shop committees, socialism, legislation. Prerequisites, courses 211-212.

II, 2 hours. Mr. Haak.

420. **SPECIAL PROJECTS.** For seniors who are specializing in economics and who have shown ability in independent work. Before registering for this course the student must confer with the instructors in the Department and obtain their approval of the proposed subject for research. The class will not assemble at scheduled hours, but each member will arrange for weekly conferences with the professor in charge.

2 hours.

EDUCATION

MR. HAWES, MR. SOWERS, MISS CADLEY

The courses in Education specifically prepare students for the teaching profession. Students entering all other professions and vocations involving social contacts profit directly through many of the courses offered by this department. Students who do not expect to teach should not elect these courses without first consulting some member of the department.

Students preparing to teach should elect Education as a major, beginning work in Education and Psychology in the sophomore year. A graduate of Denison may secure a provisional certificate, effective for four years, by including in his program of studies certain courses in Education that are prescribed by the State Department of Education. Students completing the requirements for the provisional high school certificates may secure the provisional elementary certificate by attending Denison Summer School.

101. METHODS OF STUDY. A course designed to familiarize students with the most successful and approved methods of studying. One hour lecture and two hours supervised study. VI, 1 hour. Mr. Hawes.

211. INTRODUCTION TO SCHOOL MANAGEMENT. This course deals with classroom management as distinguished from instruction. Types and methods of class organization, grouping of pupils, supervised study, standardized tests, records and reports, are the main topics of this course. Open to freshmen by permission. III, IV, 3 hours. Mr. Hawes, Miss Cadley.

212. PRINCIPLES OF SECONDARY EDUCATION. Study of the secondary school pupil, his physical and mental traits, individual differences, social principles, and subject values. Prerequisite, course 211, with a course in Psychology. III, IV, 3 hours. Mr. Hawes.

311. THE TEACHING OF SCIENCE. To inculcate the power to think constructively; the special methods for imparting that ability. To be offered in even-numbered years, beginning 1928-29. VII, 3 hours. Mr. Sowers.

312. HISTORY OF MODERN EDUCATION. Lectures, outside readings, and class discussions. Survey of those programs and practices that were of consequence at the time and that still count in the education of today. VI, 3 hours. Miss Cadley.

315-316. **OBSERVATION AND PARTICIPATION.** This course is intended for direct preparation and is prerequisite to student teaching. It includes classroom work, conferences, two hours of observation, and written reports each week.
VII, 3 hours. Miss Cadley.

317. **EDUCATIONAL STATISTICS.** This course is designed for teachers, supervisors, and superintendents. From actual school experience, it will give practice in making distributions, finding the coefficient of correlation, transmitting scores, finding partial correlations, fitting a normal curve, and
VII, 2 hours. Mr. Hawes.

318. **TESTS AND MEASUREMENTS.** An elective course including lectures, outside readings, and class discussions, covering the general field of intelligence and educational tests, and dealing specifically with the improvement of the written test.
VII, 2 hours. Mr. Sowers.

402. **PROFESSIONAL READINGS.** Selected subject material just off the press gives the prospective teacher the attitude of professional growth, a knowledge of the means of training while in service, and a true idea of professional ethics.
VI, 1 hour. Miss Cadley.

411. **METHODS OF TEACHING IN HIGH SCHOOL.** General methods for prospective high school teachers. The course deals with the problems of high school teaching, but does not include administrative problems. Prerequisite, Education and Psychology.
VI, 3 hours. Mr. Sowers.

414. **SCHOOL ADMINISTRATION AND SUPERVISION.** A study of the duties and opportunities of administrative and supervisory officers, including a survey of organization and management of educational systems. Observations, surveys, and practical field work under supervision. Prerequisite, 12 hours in Education and Psychology. III, 2-3 hours. Mr. Hawes.

415-416. **STUDENT TEACHING.** To be eligible for this course, a student must have been in residence at Denison for one college year, must complete a major in education, and present an average grade of B in the subject which he expects to teach; he must also secure a recommendation from the head of the department of his teaching subject. No student should attempt to carry more than 12 academic hours of credit in addition to his student teaching.
Mr. Sowers, Mr. Hawes, Miss Cadley.

In this course, all effort centers upon these objectives: teaching under supervision, the preparation of lesson plans, conferences upon lesson plans, and conferences following the observed student teaching. A laboratory fee of \$8.00 will be required. Hours to be arranged, 3 to 6 hours. Mr. Sowers.

All special methods courses are offered with the cooperation of the department of Education. The prerequisites for these courses are 6 hours of Education and 6 hours of Psychology. Exceptions to this regulation

must have the approval of the department of Education. For courses in special methods of teaching, see English 413; Latin 315; Mathematics 323; Music 313, 314; Physical Education for men 311, 312, 343, 344; Physical Education for women 325, 326; Modern Languages 422; History 327; Christian Education 311.

OFFERED IN SUMMER SCHOOL, 1930

The following courses in methods of elementary education are offered in the summer school and may be counted to an amount not exceeding 12 hours on credit in Education.

92. PRIMARY ARITHMETIC METHODS, GRADES I-IV. Emphasis will be placed upon methods of teaching the number concept, and the fundamentals, also drills, selection of subject matter, and standard achievement and tests.

I, 1 hour.

93. LANGUAGE METHOD AND STORY TELLING. This course is designed for teachers of language in grades I-IV. Consideration will be given to the aims of the work, suitable materials, dramatization and the teaching of poetry. The value and art of story telling, the technique of selection, and practice in story telling will be emphasized.

II, 2 hours.

94. READING METHODS, GRADES I-IV. The fundamental principles and methods of teaching reading which embrace objectives, lesson plans, phonics, speed, and comprehension will be studied, as well as the appreciation of both oral and silent reading, with desirable attitudes, habits and skills.

III, 2 hours.

95. HISTORY AND METHODS FOR INTERMEDIATE GRADES. This course will include (1) a survey of the content of history as taught in grades V-VIII; (2) aims and values of history instruction; (3) methods and materials; (4) lesson plans to be worked out in the class.

I, 2 hours.

96. GEOGRAPHY AND METHODS FOR THE INTERMEDIATE GRADES. This course deals with general geography and with the subject matter taught in grades V-VIII, with the methods of teaching. The working out of some projects will be included in the course.

II, 2 hours.

97. METHODS IN ARITHMETIC. This course deals (1) with the subject matter to be taught in grades V-VIII; (2) with methods of presentation. Some consideration will be given to standardized tests and drill devices, to investigations and studies, the results of which have modified the teaching of arithmetic.

III, 1 hour.

98. READING METHODS. Composition for the intermediate grades. A study of the content and presentation of oral and written composition; spelling and grammar; also the study of literature suitable for these grades.

IV, 2 hours.

55. **HANDWORK AND ART** in the Elementary Grades. This course is designed for teachers in both village and one-room schools who supervise constructive and manual arts. Attention will be given to paper cutting, paper folding, poster work, weaving, clay modeling, and work with crayola and paints. Observation and participation sections will be formed.

III, 2 hours.

ENGINEERING SCIENCE

MR. GREENSHIELDS, MR. LADNER

This department aims to give those courses which are basic for the several different branches of engineering.

Courses amounting to 25-40 hours of credit are offered as a major sequence, leading to the degree of A.B. This major must include courses 211-212, 311-312, and 322.

Past experience shows that graduates of such a course are able to complete their engineering work at one of the larger engineering schools in one or two years' additional work, and that they find ready employment in the engineering field. The courses at Denison are of the same nature and extent as those given at technical colleges, so that the student is allowed a free choice in selecting his graduate school. He may then become either civil, mechanical, electrical, or chemical engineer.

SCHEDULE FOR ENGINEERING STUDENTS

Freshman Year

<i>Course</i>	<i>Hours</i>	<i>Period</i>	<i>Course</i>	<i>Hours</i>	<i>Period</i>
Chem. 111	4	I & II	Chem. 112	4	I & II
English 111	3	II	English 112	3	II
Math. 121	5	IV	Math. 122	5	IV
Eng. Sc. 111	4	VI & VII	Eng. Sc. 212	4	VI & VII
Phys. Tr.	1		Phys. Tr.	1	
	—			—	
	17			17	

Sophomore Year

<i>Course</i>	<i>Hours</i>	<i>Period</i>	<i>Course</i>	<i>Hours</i>	<i>Period</i>
Math. 221	5	I	Math. 222	5	I
French 111	4	II	French 112	4	II
or Ger. 11	4	IV	or German 112		IV
Physics 111	3	VI	Physics 112	3	VI
Eng. Sc. 211	4	III	Eng. Sc. 322	4	III
Phys. Tr.	1		Phys. Tr.	1	
	—			—	
	17			17	

The schedule for the Junior and Senior years will vary according to the branch of engineering the student desires to follow and must be worked out by the student in conference with his adviser.

111. MECHANICAL DRAWING. Use of instruments, simple projections, free hand sketching, lettering, geometric problems, conventional signs, tracing, etc. Students may register for two, three, or four hours, with maximum of six hours for the year. Four hours are required of engineering students. Fee, \$1.00. Tuesday, Wednesday, Thursday and Friday, VI-VII.
2-4 hours.

111. MECHANICAL DRAWING. Second semester. Two hours only.
Monday and Wednesday. VI, VII, 2 hours.

113-114. ARCHITECTURAL DRAWING. An elementary course in house planning, primarily for students who are not majoring in science or engineering; architectural elements, their function and form; drawing of floor plans, elevations, and details. One lecture per week first semester on history of architecture. One lecture per week second semester on interior decorating. Fee, \$1.00. Monday and Wednesday, VI-VII. 3 hours.

115. MACHINE DRAWING. Fastenings for machinery; working drawings; assembly drawings; and detail drawings. Prerequisite, course 111. Fee, \$1.00. Same periods as 111. 2 hours.

211. DESCRIPTIVE GEOMETRY. Problems in the point, line, and plane, warped, developed surfaces, intersections and patterns. Prerequisite, course 111. Fee, \$1.00. III, 4 hours.

212. ELEMENTARY SURVEYING. Use of steel tape, level and transit; fundamental surveying methods; differential and profile leveling; land surveying, areas and plotting. Prerequisite, course 111 and Trigonometry. Fee, \$2.00. Two recitations and two laboratory periods per week.
VI, 4 hours.

311. TECHNICAL MECHANICS. The principles of mechanics with reference to their application to engineering. Mechanics of rigid bodies by graphic and by algebraic methods; mechanics of particles; work and energy; impulse and momentum. Each student is required to provide himself with a slide rule of approved type. Prerequisite, Mathematics 221-222 and Physics 111 and 211. Physics 211 may accompany the course. IV, 5 hours.

312. MECHANICS OF MATERIALS. Problems in stress and strain, tension, shearing, compression, torsion, flexure; safe loads, columns; beams, slabs, hooks, etc. Prerequisite, course 311. IV, 4 hours.

322. MATERIALS OF CONSTRUCTION. The chemical and physical properties, uses, methods of manufacture, methods of testing and unit stress of each material are considered. The materials studied are: lime, cement, stone, brick, timber, ores, cast iron, wrought iron, steel, and some of the minor metals and alloys. One quiz section, one lecture, one motion picture lecture per week, one period for reports and computations. Inspection

trips are made to manufacturing plants and to the engineering laboratories at Ohio State University. III, 4 hours.

325. HIGHWAY ENGINEERING. A study of the design and the materials used in the construction of modern roads and pavements. Prerequisite, course 212. Fee, \$1.00. Alternate with course 327; not offered in 1930-31.

I, 3 hours.

327. RAILROAD CURVES. Simple, compound, and transition curves, turn-outs, vertical curves and earthwork computations. Two recitations and three hours field work per week. Prerequisite, course 212. Field period to be arranged. Alternates with course 325. Offered in 1930-31.

I, 3 hours.

329. ADVANCED SURVEYING. City, topographic, hydrographic and stream flow surveying; determination of azimuth, time and latitude. Two recitations and one laboratory period per week. Prerequisite, course 212. Field period to be arranged.

III, 3 hours.

336. HYDRAULICS. The principles of hydrostatics and hydrodynamics including the theory of dams, the flow of liquid in pipes and open channels, hydraulic turbines, and centrifugal pumps. Prerequisite, course 311. Fee, \$1.00. Alternates with course 412; not offered in 1930-31.

II, 3 hours.

411. ANALYSIS OF STRUCTURES. Determination of working stress in roof and bridge trusses and other steel structures under various conditions of loading, by analytical and graphical methods. Prerequisite, course 312. Fee, \$1.00.

II, 4 hours.

412. STRUCTURAL DESIGN. A continuation of course 411. The design of roof and bridge girders and trusses and other structures with drawings. Prerequisite, course 411. Alternates with course 411; offered in 1930-31. Fee, \$1.00.

II, 4 hours.

ENGLISH LITERATURE AND RHETORIC

MR. KING, MISS MACNEILL, MR. SHUMAKER, MR. LARMORE,
MR. HUNDLEY, MR. MAHOOD, MR. GREEN

Those who major in English may go into teaching or some form of literary work, such as writing for newspapers or magazines, proof-reading for publishing houses, or similar work. It should be noted, of course, that training in the reading, writing, and speaking of English is good preparation for any profession.

Students whose major work is in this department will elect, in addition to the specific requirements, a minimum of twenty-six hours from the courses in English. Among these courses should be included English 321-322 and either English 327 or 333.

The following courses are given:

111-112. ENGLISH COMPOSITION. Recitations, themes, conferences, and the study of modern prose writers. Required of all freshmen.

Sections at periods I, II, III, IV, VI, and VII, 3 hours.

115-116. ENGLISH COMPOSITION. Non-credit review. Hour to be selected. 2 hours.

211-212. ENGLISH LITERATURE. A survey of the history of English literature, with particular emphasis on poetry. Prerequisites, courses 111-112. II, III, IV, and VII, 3 hours.

213-214. NEWSWRITING AND EDITING. Prerequisites, courses 111-112. VI, 3 hours. Mr. Green.

NOTE—Courses 111-112, 211-212 are prerequisite to all other courses in the department except 213-214.

321-322. SHAKESPEARE. I, 3 hours. Mr. King.

323. MILTON. A study of Milton's poetry and prose, with some attention to the minor poets of the period. Alternates with course 335 and is offered 1930-31. II, 3 hours. Miss MacNeill.

324. THE ROMANTIC MOVEMENT IN ENGLAND. A brief review of the movement in the eighteenth century, followed by a closer study of the work of Wordsworth, Coleridge, Byron, Shelley and Keats.

IV, 3 hours. Mr. King.

325. THE ENGLISH NOVEL. A study in the development of the novel in England during the 18th and 19th centuries. IV, 2 hours. Mr. Mahood.

326. THE SHORT STORY. The reading and the analysis of representative modern short stories. Not offered in 1930-31.

IV, 2 hours. Mr. Shumaker.

327. ANGLO-SAXON. Bright's *Anglo-Saxon Reader*, with special study of the phonology of the language in its historical relations to German and English. Not offered in 1930-31. IV, 3 hours.

329. THE ELIZABETHAN DRAMA. Exclusive of Shakespeare.

III, 2 hours. Mr. Larmore.

330. THE MODERN DRAMA.

III, 2 hours. Mr. Larmore.

331-332. AMERICAN LITERATURE.

VI, 3 hours. Mr. King.

333. MIDDLE ENGLISH. Special attention to Chaucer and the development of the language. Offered in 1930-31. IV, 3 hours. Mr. King.

334. ADVANCED COMPOSITION. Expository, critical, and imaginative writing. II, 2 hours.

335. VICTORIAN POETS. A study of Tennyson, Matthew Arnold, Swinburne, and other poets of the period. Alternates with course 323 and is not offered in 1930-31. II, 3 hours. Miss MacNeill.

336. BROWNING. An intensive study of the shorter poems, together with the reading of selected longer ones.

II, 3 hours, Miss MacNeill.

339. ENGLISH PROSE OF THE 18TH CENTURY. Exclusive of the novel. A study of Defoe, Swift, Addison, Steele, and others. III, 3 hours.

340. ENGLISH PROSE OF THE 19TH CENTURY. Exclusive of the novel. A study of Carlyle, Ruskin, Macaulay, Newman, and others. III, 3 hours.

342. THE MODERN NOVEL. A study of recent and contemporary American and English fiction. Prerequisites, courses 111-112, 211-212, and 325.

IV, 2 hours. Mr. Mahood.

413. THE TEACHING OF ENGLISH. A course designed for seniors who expect to teach English in high schools. It meets the requirements for the state certificate in special methods. It may also be counted toward a major in English. To apply on the former, six hours in the department of Education and six hours of Psychology are prerequisite.

VII, 2 hours. Mr. Shumaker.

GEOLOGY

MR. WRIGHT, MR. McCANN

Courses in Geology prepare for field assistants, instructors, and museum workers. Some positions are open for geologists in oil companies. Geologists are also in demand for mining companies, scientific expeditions, and government surveys.

The courses in this department are arranged according to a geologic and a geographic sequence. The geologic sequence comprises courses 111-112, 211-212, 411 and 412; the geographic sequence, courses 121-122, 213, 314, 411 and 412.

In order to major in Geology, a student must pass acceptably at least twenty-four hours of work given in the department. The courses selected must have the approval of the chairman of the department. In order to lay a broad foundation in scientific work, the prospective major will plan to take from 20 to 30 hours in allied sciences. These will ordinarily include a year in Chemistry, and courses in Physics and Engineering Science. The work in these and other supporting sciences will be prescribed in accordance with the needs of the individual student.

111 GENERAL GEOLOGY. The elements of dynamical and structural geology. The materials of the earth, their structural relations and the forces operating upon them such as streams, wind, ice and waves. The

laboratory work includes the study of common minerals and rocks, and geologic and topographic maps. Field work is also included. 3 lecture hours, and two hours of laboratory or field work.

II (freshmen), III, 4 hours.

112. HISTORICAL GEOLOGY. The history of the earth and the development of its organisms. The major physical events and the most characteristic features of the life of each period from earliest time to the present are presented. 3 lecture hours, and two hours of laboratory or field

II (freshmen), III, 4 hours.

121. PHYSICAL GEOGRAPHY AND ITS ECONOMIC ASPECTS. An elementary course dealing with the earth as a globe, the atmosphere, oceans and lands. This is a desirable course for those who expect to teach science. 2 lecture hours.

I, 2 hours.

122. GEOGRAPHIC INFLUENCES IN NORTH AMERICA. A study of the physical features of North America and the geographic influences in American History. Prerequisite, 121 or 111. 2 lectures and assigned readings.

I, 2 hours.

211. MINERALOGY AND PETROLOGY. The common minerals and rocks. Their identification, classification, origin and occurrence. Prerequisites, courses 111-112 and a year of chemistry. 2 lecture hours, and one two-hour laboratory period. Alternates with course 213.

IV, 3 hours.

212. ECONOMIC GEOLOGY. Non-metallic deposits including coal, petroleum, building stones, natural gas, salt, fertilizers and others. Ore deposits, iron, copper, lead, zinc, gold, silver and others; also their genesis, occurrence and distribution. Prerequisite, courses 111-112, 211. Alternates with course 314.

IV, 3 hours.

213. ECONOMIC GEOGRAPHY. The influences exerted by the physical environment upon the economic life of peoples. This course takes up the study of the principal resources of the various countries of the earth. It is offered as a liberal elective as well as a course for those whose major interest lies in the social sciences. Geology 121-122 are strongly advised as prerequisites. Alternates with course 211. Not offered in 1930-31.

IV, 3 hours.

314. PHYSIOGRAPHY OF THE LANDS AND MAP INTERPRETATION. An advanced course dealing with the evolution of landforms. Constructional landforms, such as plains and mountains, are considered in detail and their histories carefully traced. The work with maps consists in the application of the principles studied in physiography courses to the interpretation of topographic maps. Two hours of lecture weekly will be devoted to physiography and two discussion hours will be given to maps. Prerequisite courses 121-122. Alternates with course 212. Not offered in 1930-31.

IV, 3 hours.

320. **FIELD WORK.** An eight-day auto trip across the Appalachians going as far east as Charlottesville, Virginia. A complete section through the Appalachians including the Appalachian Plateau, Allegheny Ridges, Shenandoah Valley, Blue Ridge, and Piedmont. A carefully prepared written report with diagrams and sections is required. Open to students who have completed or are now completing at least a year course in geology. Estimated cost, \$55-\$60. Not offered for less than eight students. Spring Recess. 2 hours.

411-412. **GEOLOGIC AND GEOGRAPHIC PROBLEMS.** Properly prepared students may, with instructor's consent, undertake library or field problems in geology or geography. The course will ordinarily be offered one semester each year. VI, 2 hours.

HISTORY

MR. UTTER, MR. DEWEERD

In addition to the professional field of the teaching of history, students who major in this department should find themselves equipped with an invaluable background for the legal profession, the diplomatic service, the field of journalism, the Christian ministry, and for the field of politics.

Students majoring in history must complete 24 hours in the field including courses 111-112. Prospective teachers of history are urged to take 317-318 in addition.

111-112. **MODERN EUROPEAN HISTORY, 1500-1914.** An introductory course intended distinctly for freshmen. The first semester's work covers the period to 1789 and the second semester's from 1789 to 1914. Two hours credit if taken by seniors. I, II, VI, 3 hours. Mr. Utter and Mr. DeWeerd.

213-214. **HISTORY OF ENGLAND.** A general course dealing with political, social and cultural history of the nation. Especially valuable to students of literature and those expecting to enter law.

IV, 3 hours. Mr. DeWeerd.

221-222. **HISTORY OF THE UNITED STATES SINCE 1763.** A survey course prerequisite to advanced courses in American history. The student will be expected to read rather widely in the literature of American cultural and social history. To be taken normally in the sophomore year.

II, VI, 3 hours. Mr. Utter.

311-312. HISTORY OF RECENT EUROPE. The diplomatic background of the Great War, the war itself, the Versailles conference and the peace treaties, the new states of Europe, problems of reconstruction, the revival of Turkey and developments since 1918 are the principal topics studied in this course. Prerequisites, courses 111-112 or equivalent. Intended for juniors and seniors. I, 3 hours. Mr. DeWeerd.

317-318. THE ANCIENT WORLD. From the dawn of civilization to the period of Justinian. First semester, the Orient and Greece; second semester, Roman History. Intended for juniors and seniors but open to sophomores by permission. Given by the department of Latin. IV, 3 hours. Mr. Dean.

331. THE FRENCH REVOLUTION AND NAPOLEON. The intellectual and economic background of the Revolution will be thoroughly treated. The Revolution itself and the career of Napoleon will be studied with regard to their significance for France and for Europe generally. A reading knowledge of French is desirable but not required. Prerequisite, 111-112. Alternates with 33; offered in 1930-31. III, 3 hours. Mr. Utter.

326. THE HISTORY OF AMERICAN DIPLOMACY. Historical analysis of such problems as the American system of neutrality, the freedom of the seas, American commercial policy and movements for the preservation of peace. Prerequisite, 221-222. Alternates with 324; offered in 1930-31. III, 3 hours. Mr. Utter.

333. THE RENAISSANCE AND REFORMATION. Not offered in 1930-1931. III, 3 hours. Mr. Utter.

324. THE AMERICAN FRONTIER. Not offered in 1930-1931. III, 3 hours. Mr. Utter.

MATHEMATICS

MR. WILEY, MISS PECKHAM, MR. SHEETS, MISS TIPPET,
MR. LADNER

The courses in Mathematics are planned not only for the development of the student's mathematical knowledge, but also for the formation of a necessary foundation for work in the sciences. Openings in the Civil Service, in statistical work and in some other lines of commercial work are possible to those with a major in Mathematics with properly selected minors.

The initial courses are 115-116 of Sequence No. 1 or 121-122 of Sequence No. 2. The second sequence should be elected by

those who excelled in high school mathematics and likewise those who had trigonometry in high school. Trigonometry is not, however, a prerequisite for the course. This sequence is advised by the heads of the departments concerned, for those who anticipate doing their major work in Astronomy, Engineering, Mathematics or Physics.

Two courses numbered higher than 350 and a third course numbered higher than 333 are required of all majors in Mathematics. Course 332 is an additional requirement for those who follow Sequence No. 1. Each major in Mathematics will, after consultation with the Head of the Department, elect a minimum of twelve hours in subjects related to Mathematics.

Sequence No. 1

115-116. ALGEBRA REVIEW AND PLANE TRIGONOMETRY, first semester; ANALYTIC GEOMETRY, second semester. Students are placed in sections according to ability. I, II, III, IV, 4 hours.

Miss Peckham, Mr. Sheets, Miss Tippet, Mr. Ladner.

215-216. THE CALCULUS. Prerequisite, course 116 or 122.

Miss Tippet at I, Miss Peckham at II. 4 hours.

Sequence No. 2

121-122. COLLEGE ALGEBRA, PLANE TRIGONOMETRY, ANALYTIC GEOMETRY. A combined two-semester course that is more intensive and more extensive than courses 115-116. IV, 5 hours. Mr. Wiley.

221-222. THE CALCULUS, a course of greater intensity and of more content than 215-216. Prerequisite, course 122. (Outstanding students from course 116 may be admitted upon recommendation of their instructor.)

I, 5 hours. Mr. Wiley.

Non-sequence Courses

224. MATHEMATICAL THEORY OF INVESTMENT. An introduction to the algebra of certain forms of investment and to the fundamental principles of life insurance. Prerequisite, course 115 or 121. Offered in alternate year, including 1930-31. III, 2 hours. Miss Peckham.

323. TEACHING OF MATHEMATICS. This is a course in methods in secondary school mathematics and carries credit in the department of Education. Prerequisite, permission of the head of the department of Education and the instructor. Offered in alternate year; not in 1930-31. III, 2 hours.

332. COLLEGE ALGEBRA. Selected topics, including the theory of the algebraic equation. Prerequisite, course 116. Offered in alternate years and not in 1930-31. III, 4 hours. Miss Peckham.

334. SOLID ANALYTIC GEOMETRY. This extends the work of the earlier course into three dimensions. Prerequisite, course 116 or 122. Offered in alternate years and not in 1930-31. II, 4 hours.

335. SYNTHETIC PROJECTIVE GEOMETRY. An introductory course offered in alternate years and not in 1930-31. Prerequisite, course 116 or 122. II, 4 hours.

Courses Requiring the Calculus

351. ADVANCED CALCULUS. The content of this course will vary somewhat from year to year to meet the needs of the students electing it. Offered for special Honors in 1930-31. Prerequisite, course 216 or 222. Hours to be arranged. 4 hours. Mr. Sheets.

352. DIFFERENTIAL EQUATIONS. An introductory course. Prerequisite, course 216 or 222. Offered in first semester 1930-31. II, 4 hours. Mr. Wiley.

451. APPLICATIONS OF THE CALCULUS. Emphasis upon mechanics, physics and allied subjects. Prerequisite, course 216 or 222. Juniors admitted. Not offered in 1930-31. II, 4 hours.

452. VECTOR ANALYSIS. A concise treatment of the fundamental principles of the subject, with selected applications to geometry, mechanics and physics. Prerequisite, the calculus and General Physics. Offered in alternate years, including 1930-31. II, 4 hours. Mr. Ladner.

456. MODERN ALGEBRA. Introduction to matrices, invariants, bilinear forms, quadratic forms and other selected topics. Prerequisite, course 216 or 222. Offered in alternate years and in 1930-31. II, 4 hours. Mr. Wiley.

MODERN LANGUAGES

MR. CHAMBERLIN, MR. ODEBRECHT, MRS. SKINNER,
MR. AMNER, MR. FELT, MR. WILEY, MISS BRAHAM

Modern languages prepare in a broad sense for all callings. They are almost essential in the so-called learned professions, such as: the ministry, law, medicine, teaching, journalism, authorship and diplomacy. Ambassadors, consuls, secretaries of legation, commercial attachés, interpreters and delegates of all sorts representing the United States in foreign countries require as a mat-

ter of course an acquaintance with some foreign speech. In many of the new professions a reading knowledge of some foreign tongue is a step to preferment. In these are included secretarial positions, librarianships, social work, managerial and executive offices. The use of foreign languages leads to positions as managers of export sales, correspondents, reviewers and editors of foreign bulletins, advisers and shippers, and officials connected with domestic and foreign banking.

A knowledge of one modern foreign language, equivalent to a 2-years course in college, is required of all students as a condition for graduation. For a major in this department 24 hours of credit beyond the above requirement are necessary. A maximum of 50 hours, of which no more than 40 are in one language, is allowed in this Department. No credit is allowed for less than a year of an elementary course.

GERMAN

111-112. **ESSENTIALS OF GERMAN.** A beginning course aiming to impart a basic knowledge of the language essential for its use in literary and scientific lines. Daily use of the foreign idiom. IV, VI, 4 hours.

211. **MODERN AUTHORS.** Reading and analysis of stories by standard authors, with daily use of German. Review of the grammar and systematic study of syntax and style. Prerequisites, courses 111-112 or 2 years of German in secondary school. II, 4 hours. Mr. Chamberlin.

212. **CLASSICAL LITERATURE.** Some of Schiller's lyrics and one or more of his dramas, usually *Wilhelm Tell*, and Goethe's *Hermann und Dorothea* are read, with attention to the poetic and dramatic principles, and with an introductory study of the classical period of German literature. Prerequisite, course 211. II, 4 hours. Mr. Chamberlin.

213-214. **SCIENTIFIC GERMAN.** A year's course for students interested in scientific works. General articles on different branches of science are chosen for the first semester's reading, and special articles in periodicals for the second semester. Co-ordinate with courses 211-212, and same prerequisites. II, 4 hours. Mr. Biefeld.

311. **GERMAN CLASSICS.** An appreciative reading and interpretation of some of the greatest works of Lessing, Schiller and Goethe. Prerequisites, courses 211-212, or 213-214. VI, 3 hours. Mr. Chamberlin.

315. MODERN GERMAN LITERATURE. Recent literary movements considered in the works of Hauptmann, Thomas Mann, and other leading writers. Alternates with course 311 and is offered in 1930-31.

VI, 3 hours. Mr. Chamberlin.

FRENCH

111-112. BEGINNERS' FRENCH. A year's work, comprising the essentials of French grammar, reading, and an introduction to the spoken and written language; daily use of French in oral and written exercises.

II, III, VI, 4 hours.

211. NARRATIVE DISCOURSE. Stories and descriptive articles by modern authors are used and form the basis of daily practice in the use of the foreign tongue; review of French grammar, specially of verbs, and systematic drill in writing French. Prerequisites, courses 111-112, or 2 years of French in secondary school.

I, II, IV, VII, 4 hours.

212. NOVEL AND DRAMA. Continuation of course 211. Modern works are read, accompanied by a deeper study of idioms and style; a drama is read at the last of the course; outside readings; writing and speaking French. Prerequisite, course 211.

II, IV, VII, 4 hours.

311. MODERN LITERATURE. Intensive and extensive reading of prominent works of modern French authors, with attention to linguistic and literary forms; dictations, résumés, and themes in the foreign tongue. Prerequisites, courses 211-212.

I and IV, 3 hours. Mr. Chamberlin, Mrs. Skinner.

312. MODERN DRAMA. Outstanding dramas of the last hundred years, as types of the literary forms and tendencies; versification and dramatic technique; outside readings, with reports. Prerequisites, course 311.

I and IV, 3 hours. Mr. Chamberlin, Mrs. Skinner.

411. THE CLASSIC DRAMA. Characteristic plays of Corneille, Racine and Molière, in their settings of French society in the XVII century; principles of classicism; outside readings and reports. Prerequisites, course 312.

III, 3 hours. Mr. Odebrecht.

412. SURVEY OF FRENCH LITERATURE. Review of periods and writers from the Middle Ages to the present, by lectures and readings; an outline of French literature, with selections for reading; reports, reviews, and a semester theme. Prerequisites, course 311-312.

III, 3 hours. Mr. Odebrecht.

414. FRENCH ROMANTICISM: A study of the Romantic movement in France, with special reference to the poetry of Hugo, Lamartine and de Musset; lectures and readings; reports and reviews by students. Prerequisite, course 411. I, 3 hours. Mr. Odebrecht.

416. ADVANCED FRENCH GRAMMAR AND WRITING. For prospective teachers, a comprehensive study of French grammar and syntax, with thorough practice in writing French. Alternates with course 414; offered in 1930-31. I, 3 hours. Mr. Odebrecht.

ITALIAN

311-312. BASIC COURSE in grammar and reading; Goldoni's *La Locandiera* or similar work is read. Prerequisites, French 111-112, or Spanish 111-112. IV, 4 hours. Mr. Odebrecht.

SPANISH

111-112. ELEMENTARY COURSE, embracing a systematic study of the grammar, reading of simple narratives, and daily practice in the use of Spanish speech. I, IV, VI, 4 hours.

211-212. INTERMEDIATE COURSE. Review of grammar, oral and written use of Spanish. Readings from representative authors; reports on outside reading. Prerequisites, courses 111-112, or 2 years of Spanish in High School. I, II, (first semester) III, 4 hours.

315. SPANISH NOVEL. Development of the novel in Spain, with special reference to the nineteenth century; outside readings and reports. Prerequisites, courses 211-212. II, 2 hours. Mr. Amner.

316. THE SPANISH DRAMA. Survey of the drama in Spain, with emphasis on the modern writers; intensive reading of typical works; reviews and reports on outside reading. Prerequisite, course 311. II, 3 hours. Mr. Amner.

414. THE GOLDEN AGE OF SPANISH LITERATURE. The works of Cervantes, Lope de Vega and Calderon; lectures on the classic period; outside readings and reports. Prerequisites, course 312, or the consent of the instructor. I, 3 hours. Mr. Wiley.

416. SPANISH-AMERICAN LITERATURE. Survey of this particular field of literature, especially of the novel and short story. Alternates with course 414, with same prerequisites, and may be taken in addition to that course, with academic credit. Offered in 1930-31. VI, 3 hours. Mr. Amner.

MUSIC

MR. ESCHMAN, MR. STARK, MISS LOGAN

Students majoring in Music will find suggested outlines for further specialization, leading in some cases to the Bachelor of Music degree, in the Conservatory Bulletin. Graduates with either this degree or the A.B. with a major in Music are preparing for future positions as supervisors of music in public schools, as private teachers of their performance-major, for positions in music departments and schools, in churches as organists or directors, for concert performance, or in orchestras and opera companies, for positions in music stores and on newspapers or magazines as critics or editors.

Courses in this department are open to all students of the University without prerequisites. For students taking a principal sequence in Music, it is recommended that courses 101-102 and 111-112 be taken in the freshman, 221-222 in the sophomore, 331-332 in the junior, and 441-442 in the senior year. Courses 201, 202, 311 and 312 may be taken in any year.

101-102. **APPRECIATION OF MUSIC.** Primarily for college students. A course in the development of musical appreciation, without prerequisites. Students paying regular college tuition may elect the course without extra charge. For other the fee is \$8.00 per semester. VII, 2 hours. Mr. Eschman.

103-104. **CHORUS, ORCHESTRA, BAND OR ENSEMBLE TRAINING,** hours to be arranged. Three hours are required for one hour of college credit each semester. One of these hours must be in Chorus, Orchestra or Band; the other hours are elective ensemble music. No special fee for this course.

Mr. Eschman, Mr. Gill and others.

111-112. **ELEMENTARY HARMONY.** Fee, \$8 each semester to Conservatory students. Students paying full college tuition may elect these courses without extra charge.

II, IV, and a third section to be arranged. 2 hours. Mr. Eschman and assistants.

201. **HISTORY OF MUSIC TO THE EIGHTEENTH CENTURY.** Fee, \$12. VI, 3 hours. Mr. Eschman.

202. **HISTORY OF MUSIC, FROM THE EIGHTEENTH CENTURY TO THE PRESENT TIME.** A continuation of course 201, but may be elected separately. Fee, \$12. VI, 3 hours. Mr. Eschman.

- 203-204. SECOND YEAR OF CHORUS, ORCHESTRA, BAND OR ENSEMBLE TRAINING. Mr. Eschman, Mr. Gill and others.
- 221-222. ADVANCED HARMONY. Fee, \$12 each semester.
I, IV, 3 hours. Mr. Eschman.
301. TERMINOLOGY AND CONDUCTING. Fee, \$8.
IV, 2 hours. Miss Logan.
302. ORCHESTRATION. Fee, \$8. IV, 2 hours. Miss Logan.
- 311-312. MUSICAL FORM. Fee, \$8 each semester.
III, 2 hours. Mr. Eschman.
- 313-314. PUBLIC SCHOOL MUSIC METHODS. Fee, \$12.00 each semester.
II, 3 hours. Miss Logan.
- 331-332. COUNTERPOINT. Fee, \$12 each semester.
III, 3 hours. Mr. Eschman.
- 415-416. PRACTICE TEACHING. See Education 415-416. Hours to be arranged.
- 441-442. STRICT COMPOSITION. Fee, \$8 each semester.
II, 2 hours. Mr. Eschman.
- 451-452. FREE COMPOSITION. Fee, \$8 each semester.
I, 2 hours. Mr. Eschman.

Beginning with September 1929, credit in Applied Music to a total of eight semester hours may be secured toward the A.B. degree, provided the student is ready to study music of an advanced grade. One credit is given for one lesson a week and one hour practice a day. Two credits are given for two lessons a week and two hours daily practice. The former will be given the name of the subject: Piano, etc., and the numbers 111-112, 211-212, 311-312, 411-412 depending upon the year of study. The two hour credit courses will be numbered: 121, 122, 221, 222, etc. No student is permitted to register for these courses before establishing to the satisfaction of the Conservatory faculty a record of his ability to pursue study at least third grade work.

PHILOSOPHY

MR. BOUGHTON, MR. TITUS

Every man is potentially a philosopher, and a study of philosophy should develop this tendency, regardless of vocation or avocation. Then, of course, it should be all the more indispensable to every person directing young or old in any phase of life values: parents, educators, pastors, missionaries of all types, attorneys and statesmen.

A major in Philosophy requires the nineteen hours listed below together with Psychology 211, 3 hours, and three hours of Sociology.

222. REFLECTIVE THINKING. Analysis of thought, deductive and inductive logic, orientation in scientific and historical method and in epistemology. Recommended as the first course in philosophy, and to all liberal arts students. Open to all sophomores, juniors and seniors.

VI, 3 hours. Mr. Boughton.

222. REFLECTIVE THINKING. Repeated in the first semester.

VI, 3 hours. Mr. Boughton.

321. ETHICS. Origin, development and theory of morality, with personal and social applications. Open to all students with 222 or Psychology 211, or junior standing.

IV, 3 hours. Mr. Boughton.

324. INTRODUCTION TO PHILOSOPHY. A topical study of the present day problems in philosophy in the light of modern knowledge. Open to juniors and seniors, preferably after 222 or 321. I, 3 hours. Mr. Boughton.

331. ANCIENT AND MEDIEVAL PHILOSOPHY. A study of the Greek period, the philosophy of the early Christian era and of the Middle Ages. Careful attention is given to the development of the various philosophical theories, and the student is directed toward independent, accurate, deeper thinking. Open to juniors and seniors.

I, 3 hours. Mr. Boughton.

332. MODERN PHILOSOPHY. This will include a study of the great philosophers since Des Cartes and a survey of such modern philosophical movements as Idealism, Neo-Realism, Pragmatism, Humanism, etc. Open to juniors and seniors, preferably after course 332. I, 3 hours. Mr. Titus.

342. PHILOSOPHY OF RELIGION. A frank study of the development, essence and philosophical implications of religion. Prerequisite, 3 hours of Philosophy.

IV, 3 hours. Mr. Boughton.

431. CONTEMPORARY THOUGHT. The purpose of this course is to acquaint the student with the main trend of recent philosophical thought, and to consider some of the major problems of philosophy in the light of present day thinking. Prerequisite, 6 hours of Philosophy.

III, 2 hours. Mr. Titus.

PHYSICAL EDUCATION

GRANVILLE COLLEGE

MR. LIVINGSTON, MR. RUPP, MR. JENKINS, MR. ROGERS

Credit amounting to 4 hours in this Department is a prerequisite of graduation. This is met by the required courses of the freshman and sophomore years. A major sequence (40 hours) includes Zoology 201-202.

Students completing all the courses are qualified for positions as supervisors and special teachers of health and physical education in high schools, providing they have the necessary credits in Education. Students preparing for such work are encouraged to include in their courses 8 hours of biological and physical science and 8 hours of social science. The minimum requirements in Education are stipulated by the state department of education for all high school teachers.

REQUIRED COURSES

111. FOR FRESHMEN. The work is based on a thorough physical examination and strength tests given at the beginning of the entering semester for the purpose of classifying the student. Courses in Corrective Gymnastics, Beginning Swimming, Individual Athletics, Tumbling Stunts, Sports and Gymnastic Dancing are open to freshmen only. A final examination is given in each course. Those who fail must repeat the course or elect another in its place. Students cannot receive duplicate credit in any course. Students assigned to Corrective Gymnastics may take this course for one, two, three or four semesters, 1 Credit 3 hours Hours to be arranged.

112. FOR FRESHMEN. Continuation of 111.

1 Credit, 3 hours. Hours to be arranged.

201 (both semesters). FOR SOPHOMORES. Hygiene. 2 hours. First semester at IV; second semester, M., and W., I, and T., Th., VII.

211. FOR SOPHOMORES. Courses changed to Corrective Gymnastics, Boxing, Wrestling, Sports and Apparatus Stunts.

1 Credit 3 hours. Hours to be arranged.

212. FOR SOPHOMORES. Continuation of Course 211.

1 Credit 3 hours. Hours to be arranged.

ELECTIVE COURSES

ADVANCED COURSES

221. THEORY AND PRACTICE OF PHYSICAL EDUCATION. I. Methods of Coaching football and baseball, and methods of officiating. Two lectures and two laboratory periods per week. Prerequisites, courses 111-112. 111, 2 hours. Mr. Rupp.

222. THEORY AND PRACTICE OF PHYSICAL EDUCATION. I. Methods of coaching basketball and track; first aid. Two lectures and two laboratory periods per week. Prerequisites, courses 111,112.

IV, 2 hours. Mr. Livingston.

224. THEORY AND PRACTICE OF PHYSICAL EDUCATION. I. Methods of coaching speedball, soccer, tennis, wrestling and boxing. Two lectures and two laboratory periods per week. III, 2 hours. Mr. Rogers.

235-236. PRINCIPLES, ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Methods in various types of institutions and study of motor efficiency tests. IV, 2 hours. Mr. Livingston.

311-312. THEORY AND PRACTICE OF PHYSICAL EDUCATION. II. Methods of directing other activities than athletics, such as: games, stunts, gymnastics, apparatus, tumbling, athletic dancing. Prerequisites, Psychology 211, 321. Two lectures and two laboratory periods per week.

II, 3 hours. Mr. Jenkins.

315-316. THEORY AND PRACTICE OF PHYSICAL EDUCATION. III. Function and organization of play and playground; lectures on the meaning of play, characteristics of different age groups; classification and organization of play activities suitable for each age period; games of low organization for school playground. Two lectures and two laboratory periods per week. Prerequisites, courses 111-112. I, 3 hours. Mr. Jenkins.

343-344. THE TEACHING OF HEALTH AND SCHOOL PROBLEMS. The purpose of this course is to prepare teachers of health and physical education to take an active part in the promotion of health instruction and health service in public schools. Prerequisites, Zoology 201-202; Psychology, 6 hours, Education, 6 hours. VI, 2 hours. Mr. Jenkins.

441. APPLIED ANATOMY AND KINESIOLOGY. A course in applied anatomy dealing with principal types of muscular exercise, with inquiry as to how they are performed, how they react on the body and their relation to the problems of bodily development, bodily efficiency, and the prevention and cure of certain defects and deformities. Three lectures and two laboratory periods per week. Prerequisites, Zoology 201-202.

VI, 4 hours. Mr. Livingston.

442. NORMAL DIAGNOSIS AND INDIVIDUAL CORRECTIVE GYMNASIICS. Study of the cause of postural defects and their treatment by exercise and other means, together with the methods of administering the work of correction. Three lectures and two laboratory periods per week. Prerequisites. Zoology 201-202. Physical Education 441.

VI, 4 hours. Mr. Livingston.

Students completing a minor in this Department, (16 hours as prescribed below) are qualified to become part-time supervisors and teachers of health and physical education in public schools, providing they have the required credits in Education.

A minor includes courses 221, 222, 224, (6 hours), 311-312, (6 hours) and 343-344, (4 hours).

SHEPARDSON COLLEGE

MISS BARR, MISS BADENOCH, MISS PETROSKEY

Physical education is required of all freshmen and sophomores, three periods per week, each course earning one credit hour per semester. Credit is determined on the basis of attendance, effort, attainment of motor efficiency, and some knowledge of the principles of healthful and efficient living. A uniform gymnasium suit is required and should be purchased in the fall in Granville; cost about \$6.

MEDICAL AND PHYSICAL EXAMINATION

A series of physical examinations and tests of freshmen and sophomores is made at the opening of each college year by the University Physician and this Department. Students are classified on an organic scale and are permitted to engage only in sports and games for which they are physically fitted.

EXEMPTIONS AND DEFERMENTS

All applications for deferment of and exemption from physical training must be made to the head of the Department. Students who are physically unfit for any type of recreation whatsoever, as certified by the University Physician; students from institutions of college or university rank who have taken accredited courses in physical education, provided proper credentials are

presented; and students over twenty-five years of age entering college will be exempt from physical training.

TOURNAMENTS AND CONTESTS

Interclass and other intramural contests and tournaments are conducted in all games and sports under the supervision and control of this Department and the Women's Athletic Association. The University is a member of the Athletic Conference of American College Women.

111-112. **REQUIRED OF ALL FRESHMEN.** In the fall and spring seasons 3 hours of outdoor work in the organized sports: archery, baseball, golf, hiking, field hockey, tennis, and field and track; in the winter season, indoor work: 1 hour of gymnastics and floor work, or 2 or 3 hours of corrective or remedial work, if the physical examination indicates need of special work in these lines, and 2 hours chosen from the following electives: basketball, rhythmic dancing, folk dancing, swimming, tumbling, and volleyball.

1 credit per semester, 3 hours.

211-212. **REQUIRED OF ALL SOPHOMORES.** Advanced work on topics as in courses 111-112, with much more opportunity for election of activities.

1 credit per semester, 3 hours.

201 (both semesters). **HYGIENE.** Required of all sophomores for graduation. First semester, II and VII; second semester VII. 2 hours.

ADVANCED COURSES

The advanced courses are offered for the benefit of those students who desire to become teachers of physical education, or to combine such activity with the teaching of academic subjects. They are also arranged to meet the needs of those who desire familiarity with the problems of physical education as a part of their equipment as principals of public schools, directors of social centers, Girl Scout and camp leaders, and work in other "leisure time" organizations.

To qualify as full-time teachers of physical education in high schools, students must complete the following courses for 33 hours of credit, together with certain science requirements stated below as prerequisites. A minor in this department requires 16 hours of credit including courses 213-214, 321-322 or 323-324, 325-326 and 415-416.

213. **THE NATURE AND FUNCTION OF PLAY.** A complete study of the theory of play. The history of the play movement. A study of the physical, mental and social growth and development of the child and its relationship to a graded curriculum of games of low organization. Prerequisites, course 111-112; Psychology 311 taken in conjunction. II, 2 hours.
214. **THE ORGANIZATION OF PLAY.** The practical application of play. The modern community recreation movement with special emphasis on the study of the playground and its activities. A thorough consideration of games for children of all age-groups. Practice teaching in games. Prerequisite, course 111-112. II, 2 hours.
321. **SPORTS TECHNIQUE.** A course in the rules, technique, and strategy of archery, baseball, basketball, golf, field and track, field hockey, soccer, swimming, tennis, and volleyball. Practice teaching. Prerequisites, courses 111-112, 211-212. VI, 2 hours.
322. **SPORTS TECHNIQUE.** A continuation of course 321. VII, 2 hours.
323. **ELEMENTARY RHYTHMICS.** A course in the analysis of rhythmic form and its relation to the dance. Dramatic and singing games suitable for use in the primary grades, and folk dances suitable for use in the upper grades. Short talks and discussion on the value of rhythmic activities and folk dancing as educational forces, and methods of presenting rhythmic material. Prerequisites, courses 111-112, 211-212. VI, 2 hours..
324. **THE PHILOSOPHY OF THE DANCE.** Lectures, discussions and readings dealing with the philosophy of the dance. The relation of the dance to the other fine arts. The organization of pageants and dance dramas. The adaptation of this type of work to secondary schools and colleges. Prerequisites, courses 111-112, 211-212. VI, 2 hours.
325. **THEORY AND PRACTICE OF TEACHING IN PHYSICAL EDUCATION.** (Education). A study of the educational principles underlying the teaching of physical education. A review of the physical and mental growth and development of the child of school age; organization of activities and teaching methods adapted to various ages and grades. Prerequisites, courses 111-112, 211-212; Education 211-212; Psychology 321. IV, 2 hours.
326. **THEORY AND PRACTICE OF TEACHING IN PHYSICAL EDUCATION.** (Education). The terminology of the teaching of gymnastics; the study of gymnastic movements and a discussion of the various systems. Practice teaching within the class. Prerequisite, course 325. IV, 2 hours.
327. **PERSONAL AND GENERAL HYGIENE.** Lectures, discussions, and readings dealing with the field of personal and public health. Elementary physiology as a background for the application of the principles and ideals of healthful and efficient living as related to the individual and to the community. Prerequisites, Zoology 111-112; Chemistry 111-112 in conjunction. IV, T. & Th.

328. **KINESIOLOGY.** A study of bodily movement. Possibilities for movement in the various joints and the action of the muscle groups in producing the movements ordinarily used in physical education activities. Prerequisites, Zoology 111-112, 211-212. IV, T. & Th.

411. **INDIVIDUAL GYMNASICS AND PHYSICAL EXAMINATIONS.** Lectures, discussions, recitations, and practice dealing with the theory of the mechanics of postural defects and the application of exercise in the treatment of organic abnormalities of girls and women. A discussion of the physical examination and methods used in the diagnosis of physical defects. Prerequisites, Zoology 111-112, 211-212. II, 3 hours.

414. **THE PRINCIPLES, ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.** The place of physical education within the field of general education; its relation to the science of education and the philosophy of living. A consideration of the problems of organization and administration of physical education in elementary and secondary school and colleges. Prerequisite, Senior standing in physical education. IV, 4 hours.

415. **SCHOOL HEALTH PROBLEMS.** A study of health education; its needs and its place in the curriculum. A consideration of the administrative problems of school health service. Prerequisite, course 327. VI, T. & Th.

416. **THE TEACHING OF HEALTH EDUCATION.** Methods of handling the teaching problem of health instruction. Health education programs and material. Prerequisite, course 415. VI, T. & Th.

417. **NORMAL DIAGNOSIS AND FIRST AID.** A study of the symptomology of children's disabilities which a physical education teacher might be expected to understand. The application of emergency and first aid measures in the treatment of accidents. Prerequisites, Zoology 111-112, 211-212. VI, 2 hours.

PHYSICS

MR. SMITH, MR. HOWE

Courses in Physics lead directly either to graduate work or to such positions in the commercial world as those of assistant physicist, junior physicist, technical expert, radio expert, radio engineer, research engineer, consulting scientist. Other positions such as those in the laboratories connected with the large industries of the country are open to physicists who go on with graduate or technical work.

The major sequence in Physics consists of courses 111-112, 211-212, with twelve additional hours in Physics. Students preparing for graduate work should elect courses 311 and 313, and 312 and 314. Engineering students will take 431 and 432. The sequence 111-112 with 113-114 will satisfy the Physics requirements for medical students.

111. GENERAL PHYSICS. Lecture demonstrations and recitations covering the more important principles of mechanics and heat. Prerequisites, one year of high school physics. Trigonometry should accompany or precede this course. I, VI, 3 hours.

112. GENERAL PHYSICS. A continuation of course 111; electricity, magnetism, light wave, motion and sound. Prerequisites, course 111 and Trigonometry. I, VI, 3 hours.

113-114. GENERAL PHYSICS. Laboratory courses paralleling the work of courses 111-112. Elective for students who are registered in course 111-112 and desire a less extensive laboratory training than is offered in course 211-212. Fee, \$2.00. I-II, III-IV, VI-VII, 2 hours.

211. LABORATORY PHYSICS. The essentials of mechanics, molecular physics and heat. Prerequisites, course 111-112 and Freshman Mathematics. Fee, \$3.00. III-IV, 3 hours or VI-VII, 3 hours.

212. LABORATORY PHYSICS. The more fundamental experiments in sound, light, magnetism and electricity. Prerequisites, course 111-112 and Freshman Mathematics. Fee, \$3.00. III-IV, 3 hours or VI-VII, 3 hours.

311. ELECTRICAL MEASUREMENTS. A laboratory course in electrical measurements. Prerequisites, course 111-112 and the calculus. Fee, \$3.00. VI-VII, 3 hours.

312. LIGHT. A laboratory course in light, consisting of measurements in diffraction and interference. Prerequisites, course 111-112 and the calculus. Fee, \$3.00. VI-VII, 3 hours.

313. MAGNETISM AND ELECTRICITY. This course is an introduction to the subject of magnetism and electricity, and is intended to be a foundation for any work in this field. The Laboratory course, Physics 311, should be taken with this course. Prerequisites, course 111-112 and the calculus. Given in alternate years, and 1931-32. III, 3 hours.

314. THEORY OF LIGHT. This course is an introduction to the study of geometrical and physical optics. Physics 312 is the corresponding laboratory course. Prerequisites, Physics 111-112 and the calculus. This course will be given in alternate years, and in 1931-32. III, 3 hours.

333. KINETIC THEORY. A lecture course presenting the kinetic theory and elementary thermodynamics. Prerequisites, Physics 111-112 and the calculus. This course will be given in alternate years and offered in 1930-31. III, 3 hours.

334 ELECTRON THEORY. A lecture course on the electron theory presenting the current ideas regarding the structure of the atom. Prerequisites, Physics 111-112 and the calculus. This course will be given in alternate years and offered in 1930-31. III, 3 hours.

344. RADIO TELEGRAPH AND TELEPHONE. Laboratory work and lectures treating the fundamental principles underlying modern wireless telegraph and telephone circuits. Prerequisites, Physics 111-212. Fee, \$3.00. II, 3 hours.

431-432. ELEMENTS OF ELECTRICAL ENGINEERING. A lecture and laboratory course presenting the general theory of direct and alternating current circuits and their application to direct and alternating current machinery. Prerequisites, course 111-112 and the calculus. Fee, \$3.00.

III, 2 hours, with one 4-hour laboratory period, 4 hours credit.

POLITICAL SCIENCE

MR. WEST

Political Science, if followed by later training, prepares one for law, political office, diplomatic and consular service, and other professions in which one is called on to interpret public events.

211. AMERICAN GOVERNMENT. An introductory course devoted primarily to the organization and actual workings of the government of the United States. This course will be required of all who major in political science and is a prerequisite for the other courses in the department. IV, 3 hours.

212. EUROPEAN GOVERNMENTS. A comparative study of the governments in the principal European states, with special attention to the organization and functions of governmental agencies of Great Britain, France, Germany, Italy, Switzerland and Russia. This course is intended to follow course 211 in the first year's work in political science. IV, 3 hours.

315. MUNICIPAL GOVERNMENT. A study of the political organization and chief functions of cities, the relation of the city to the state, forms of charters, home rule, new forms of city government and the administration of finance, police and other activities. III, 3 hours.

316. AMERICAN STATE GOVERNMENT. A study of the government of the states of the Union. The State constitutions, the organization and functions of the executive, legislative and judicial branches are studied together with the important problems connected with state government. III, 3 hours.

317-318. POLITICAL PARTIES. A study of the development, composition, machinery and methods of American political parties. Prerequisite, course 211. III, 2 hours.

319. INTERNATIONAL RELATIONS. A study of recent European diplomacy, the development and organization of the agencies of international government and the principal problems of contemporary international politics. Prerequisite, course 212. III, 3 hours.

322. HISTORY OF POLITICAL THEORY. This is a course dealing with the development of political thought from the time of Plato and Aristotle to the present time, with special attention to certain great ideas and certain important periods. Prerequisite, course 211. III, 3 hours.

425. CONSTITUTIONAL LAW. A study of the law of the American constitution; the origin and nature of the constitution; the relationship between federal and state governments; citizenship; impairment of contracts; due process of law; class legislation; police power; and interstate commerce. Prerequisite, course 211. II, 5 hours.

426. INTERNATIONAL LAW. This course aims to give a comprehensive view of the general body of rules observed by states in their interstate relations both in peace and in war. A text book and important illustrative cases will be studied. Prerequisite, course 211. II, 5 hours.

PSYCHOLOGY

MR. LEWIS, MR. SHARP

Psychology is helpful to those who will teach or go into any other profession. It is needed for the profession of employment manager in industry, of consulting psychologist in connection with courts, colleges, or state institutions, and in many other lines.

A major in Psychology will include the courses registered in the department and a sufficient number of additional semester hours to bring the number up to twenty-four; these supplementing hours to be selected from the following courses: Zoology 201-202, Sociology 319, Philosophy 321-322.

211. GENERAL PSYCHOLOGY. An introductory study of the different functions of the mind and of the laws controlling mental activity. Stress laid on sensation, perception, concept and language development. Repeated the second semester at IV, VI. II, III, IV, VI, 3 hours.

312. APPLIED PSYCHOLOGY. A study of psychology from the point of view of its practical utility. Attention will be given to the extension of the subject into the fields of business, health, and matters of daily living. Prerequisite, course 211. III (both semesters), IV, 3 hours.

321. **PSYCHOLOGY OF EDUCATION.** An introduction to the fundamentals of educational theory and practice from the side of psychology and sociology. Prerequisite, course 211. Repeated the second semester at I, VI. I, VI, 3 hours.

331. **EXPERIMENTAL PSYCHOLOGY.** A study of the more important processes by the laboratory method. Sensation, attention, memory, imagery, association and motor reactions. Prerequisite, course 211. Recitation, Wed., III; laboratory, Fri., III-IV, and Wed., VI-VII. 2-3 hours.

332. **EXPERIMENTAL PSYCHOLOGY.** Observation and analysis of the different types of learning under laboratory control. Mental testing, group and individual. Prerequisites, courses 211, and 321 or 331. Recitation, Wed., III; laboratory, Fri., III-IV, or Wed., VI-VII. 2-3 hours.

342. **PSYCHOLOGICAL TESTS.** Prerequisites, 6 hours of Psychology. I, 2 hours.

412. **RECENT TENDENCIES IN PSYCHOLOGY.** A survey of "Behaviorism", of Gestalt psychology, and of the more conservative changes recommended by the old-time psychologists; and an attempt to find out just what substitutions or modifications are proposed and what consequences are likely to follow from these new views. Prerequisites, courses 211, and 312. VII, 3 hours.

SOCIOLOGY

MR. DETWEILER, MR. TITUS

Students in Sociology will find the following careers waiting: case work with charity organizations, probation work with courts, club work with settlements, certain phases of nursing, and social work in mental hygiene. Besides this, there are positions open in various state and federal agencies such as factory inspection, statistical work with children's and women's bureaus, and positions in institutions. Teachers should be prepared in sociology as well as those who are going into politics for a career or into the legal profession.

A major sequence in this department must include Economics 211-212 and eighteen or more semester hours in Sociology, of which courses 211, 212, and 319 are required. In addition to the major, the student should take a year of Political Science, a year of American History, and at least one course each in Psychology and Philosophy.

211. **SOCIAL PROBLEMS.** Facts about American society showing the need of sociological study. Such problems as defectiveness, poverty and crime are approached in the attempt to gain a social and scientific point of view. Open to sophomores and juniors. I, VI, 3 hours.

211. **SOCIAL PROBLEMS.** Second semester. III, 3 hours.

212. **THE FAMILY.** The history of the family is treated in detail, ending with a view of present-day family problems. Prerequisite, course 211. I, VI, 3 hours.

302. **MODERN RADICALISM.** Socialism, anarchism, bolshevism, other radical philosophies, and criticisms of present-day society. Prerequisites, History 111-112. II, 3 hours.

309. **SOCIAL ANTHROPOLOGY.** Primitive peoples, races of mankind, and the origin and history of culture ("civilization"). The course may be called cultural anthropology. Alternates with course 411. Offered in 1930-31. IV, 3 hours.

312. **RACE PROBLEMS IN THE UNITED STATES.** A detailed study of race problems in America, including immigration and the Negro. Prerequisite, 3 hours of Sociology. IV, 3 hours.

319. **SOCIAL PSYCHOLOGY.** The elements of general psychology are presupposed, and a study is made of the processes of group behavior. Prerequisites, Psychology 211, and 3 hours of Sociology. II, 3 hours.

411. **SOCIAL WORK.** A course preliminary to later vocational training looking toward family case work in its modern phases. Prerequisites, courses 211-212, and Economics 211-212. Alternates with course 309. Not offered in 1930-31. IV, 3 hours.

SPEECH

MR. CROCKER, MR. WOELLHAF

A major in the Department of Speech consists of 24 semester hours, elective.

111-112. **ELEMENTS OF SPEECH.** An introduction to the fields of speech activity: interpretation, debating, public speaking, acting. Voice, gesture, platform bearing, platform manners, diction and other important problems of the one who appears before an audience are considered. Extensive practice and criticism. Students will be expected to give fifteen minutes a week for personal conference. Lectures, text, outside reading, and notebook. Three sections. I, II, VI, 3 hours.

213-214. **INTERPRETATIVE READING.** Principles and problems of literary analysis and interpretation. Extensive practice and criticism. Two sections. III, 3 hours.

215-216. **DRAMATIC PRODUCTION.** An introduction to the theatre, dealing with the history of physical theatre, scene design, construction, and the fundamentals of acting. Prerequisite for all other courses in dramatics. Practical laboratory work on each of the five major productions. Lectures, papers, readings, rehearsals. Tue. and Thurs., VI-VII, 3 hours.

218. **SPEECH COMPOSITION.** This course will be devoted entirely to the composition of manuscripts. Rhetorical questions that arise will be considered carefully. Speeches of the masters of public address will be analyzed. Mon., VI-VII, 2 hours.

219. **INTERCOLLEGIATE DEBATING.** Open to all students who wish to debate, both men and women. The questions to be used in the inter-collegiate debates will be studied in class. Members of the teams will be chosen from this class. Lectures, briefs of public questions, research, and much practice before the group. A total of six hours in debating counts toward graduation. Mon., VI-VII, 2 hours.

221-222. **BUSINESS AND PROFESSIONAL SPEAKING.** Delivery of carefully prepared speeches that the average person is called on to make in the business and professional world. Types of business speaking and the personal interview are considered. Speeches of fact, speeches of inspiration, speeches of introduction, after-dinner speeches, etc., are studied. Lectures, papers, readings, and personal conference with the instructor. IV, 3 hours.

311. **THE TEACHING OF SPEECH.** A course designed to inform the prospective teacher of speech of the background necessary for such work. History of rhetorical thought, psychology of language, phonetics, the text, collateral reading, the shaping of the speech curriculum, the leading of the class hour, etc. Not given for credit in Education. Alternate course, not offered in 1930-31. Time to be arranged. 2 hours.

312. **RHETORICAL THEORY.** Historical and critical survey of the principal theories in regard to speech composition and delivery, from Aristotle to the present time with special emphasis on the classical period. Collateral reading, reports, lectures, notebook, papers. Alternate course, not offered in 1930-31. Time to be arranged. 2 hours.

313-314. **ACTING.** Play analysis for acting of great plays. The fundamental principles of acting as worked out from actual rehearsal. Two or three laboratory productions. Lectures, text. Outside reading. Wed., III-IV, 3 hours.

316. **PLAY DIRECTION.** A study of the problems of the director. Practice in planning productions, rehearsal and showing of one student play. Extensive reading of plays for actual production. Prerequisite, courses 215-216, 313-314, and consent of instructor. II, 2 hours.

ZOOLOGY

MR. LINDSEY, MR. MORGAN

The majority of students specializing in the department of Zoology are preparing for the study of medicine. The same type of undergraduate study is necessary preliminary training for the study of dentistry and very desirable for prospective nurses and hospital technicians. Zoology also paves the way for curatorial and technical work in museums and for economic work in various fields. The U. S. Biological Survey and the Bureau of Entomology especially offer openings in economic work. A major in Zoology if carefully chosen fits a student to teach high school biology and also prepares him for minor positions in college departments.

Courses 111-112 of the department of Botany may be substituted for Zoology 111-112 as preparation for advanced courses, if necessary for the completion of major or pre-professional requirements. Course 111-112 meets the entrance requirements of medical colleges as a minimum; 211-212 is recommended by all medical colleges in addition, and 224 is recommended by all and required by a few. Majors in this department should be arranged with the professor in charge; a major must include 111-112 or an acceptable equivalent and either 211-212 or 223 and 224.

111-112. GENERAL ZOOLOGY. An introductory course including text assignments, lectures and laboratory work. The biological aspects of the science are considered, including the properties of living matter, the cell, heredity and topics of like nature. In addition a general survey of the animal kingdom based on classification and morphology is pursued in class and in the laboratory. Fee, \$1.25 per hour of credit. Lectures, Mon., Wed., I. Laboratory, and two of the assigned two-hour periods. Tues., Thurs., I-II; Fri., I-IV; Mon., Wed., VI-VII.

4 hours. Mr. Lindsey, Mr. Morgan.

201. PHYSIOLOGY. A study of the normal functions of the human body. Text, lectures and demonstrations. No prerequisites.

I, 3 hours. Mr. Morgan.

211-212. VERTEBRATE ZOOLOGY AND COMPARATIVE ANATOMY. A study of the definite structures, ancestry, ecology, and briefly of the

classification of the vertebrates. A little more than one semester is devoted to the comparative anatomy of these animals. Text assignments and lectures. Laboratory work consists of detailed dissections and comparative studies of the dog-fish, an amphibian, a reptile and a mammal, with other subjects at the discretion of the instructor. Fee, \$1.25 per hour of credit.

Prerequisites, courses 111-112. Lectures, Tues., Thurs., III; laboratory, Wed., Fri., III-IV. 4 hours. Mr. Morgan.

223. HISTOLOGY. A study of the minute structure of vertebrates, chiefly mammals. Text and lectures. Laboratory will include the preparation and study of the tissues and organs considered in class. Prerequisite, courses 111-112. Fee, \$1.25 per hour of credit. Two classes per week and three laboratory periods of two hours each, or three classes and two laboratories, at the discretion of the instructor.

Mon., Wed., II; Tues., Thurs., Fri., I-II. 5 hours. Mr. Lindsey.

224. EMBRYOLOGY. A study of the formation of the germ cells, cleavage, the germ layers, and the development of adult structures in the vertebrates. Laboratory work includes the study of cell behaviour and of the developing frog, chick and pig. This course should follow 223 but may be taken separately if needed for medical entrance. Prerequisites, courses 111-112. Periods as in course 223. Fee, \$1.25 per hour of credit.

5 hours. Mr. Lindsey.

225-226. EVOLUTION AND GENETICS. A study of the relationship of living things and its scientific explanation. The factors operative in living organisms, the way in which they interact, and the mechanism of their perpetuation or modification through successive generations constitute the chief theme of the course. Text and discussions. Readings at the discretion of the instructor. Prerequisites, courses 111-112.

III, 2 hours, Mr. Lindsey.

227-228. ENTOMOLOGY. The morphology, classification and economic importance of insects, with methods of control. A brief introductory course. Laboratory work includes a survey of insect morphology and enough work in the identification of insects to enable the students to recognize the common families. Prerequisites, courses 111-112. Lectures, Tues., Thurs., IV; laboratory, Mon., III-IV. Fee, \$1.25 per hour of credit.

3 hours.

The Conservatory of Music

FACULTY

KARL H. ESCHMAN, A.M.

Fellow of the American Guild of Organists

Director and Professor of Music

(On leave of absence, 1929-30)

Graduate of Denison Conservatory in Piano and Organ.
Graduate Student, Harvard University, 1911-12, under Walter
R. Spalding and Edward Burlingame Hill; 1912-13, under Hugo
Kaun and Piano under Victor Heinze, Berlin.

FANNIE JUDSON FARRAR

Assistant Professor of Music

Piano

Pupil in Piano of J. Emil Ecker, Toledo, Ohio; Constantin
Sternberg, Philadelphia; Bertrand Roth, Dresden; Tobias Matthay
and Claude F. Pollard, London. Student in Vienna; Master-class
with E. Robert Schmitz.

MARY RECKARD FITCH

Voice

Pupil of D. A. Clippinger, Hannah Butler and Lemuel Kilby,
Chicago; Head of Voice Department, Academy of Our Lady,
Instructor in Lyceum Arts Conservatory, Chicago. Master-classes
with Mme. Valeri and Herbert Witherspoon.

WILLIAM M. WELLS

Violoncello

Graduate of the Royal Conservatory, Wurzburg. Member
of the Cincinnati Symphony and the Philharmonic Orchestra; for
seven years, under Walter Damrosch in the New York Symphony
Orchestra.

SAM GELFER

Violin

Pupil of Henry Schradieck, Theodore Spiering and Alois Trnka, in Violin and of Frederick B. Stevens and R. H. Miles in Theory.

ALLAN FABER SCHIRMER, MUS.B

Voice

Graduate of Northwestern University School of Music. Pupil of R. Franz Otto, Charles W. Clark, Risser Patty, Rollin Pease and Loyal Phillips Shawe.

BRAYTON STARK, A.A.G.O

*University Organist**Organ and Harmony*

Graduate of the Guilfant Organ School; post graduate work at the Eastman School of Music; theory with T. Tertius Noble, and organ with Joseph Bonnet, organist of the Cathedral of St. Eustache, Paris. Associate of the American Guild of Organists; director of music at Christ Church, Corning, N. Y.

JOHN H. GILL

Wind Instruments

Student of Emil Strauser, Boston, in Clarinet. Director of Columbus Commandery Band, Achbar Grotto Band and Khorassan Band; Director of Ohio University Band.

SUE HAURY

Piano

Graduate of Bethel Academy and the Peabody Conservatory; postgraduate study at the New England Conservatory and the

Juilliard Foundation; Instructor at the Maryland School for the Blind and at Occidental College, Los Angeles. Pupil of Alfred Butler, George Boyle, Richard Stevens and Olga Samaroff.

EDYTHE M. LOGAN, A.B., MUS. B.

Public School Music

Graduate of Muskingum College and Ithaca Conservatory;
Public School Music Supervisor at Coshocton, Ohio.

GENERAL INFORMATION

ENTRANCE REQUIREMENTS

The requirements for entrance to any of the regular four year courses are the same as those for the college. There are no formal entrance requirements for special students in classes and for private instruction, beyond the evidence of ability to profit by the instruction offered. The work of the year is divided into two semesters (see the University Calendar on page 7), and students may best enter the Conservatory at the beginning of a semester, although private lessons may be taken up at any time. No registrations are accepted, however, for less than the remainder of the semester.

COLLEGE CREDIT

Denison University grants college credit for work in the theoretical courses of the Conservatory, on an equal footing with other elective studies, and a course leading to the degree of Bachelor of Arts may be taken with the Theory of Music as its major subject. Thus students working for the diploma of the Conservatory may at the same time apply the theoretical part of their course toward a bachelor's degree from the University.

REQUIREMENTS FOR GRADUATION

BACHELOR OF MUSIC DEGREE

The Conservatory offers the degree of Bachelor of Music upon the completion of 128 semester hours as outlined on pages 8-9 of the Conservatory Bulletin which can be secured from the Director. Courses 101, 102, 111, 112, 201, 202, 221, 222, 311, 312, 331, 332, 441, and 442 in the Department of Theory are required of all graduates. In addition two years of Solfeggio (four hours each week), twenty semester hours of applied music and two hours of ensemble must be completed. The remaining 64 hours are in college subjects.

BACHELOR OF ARTS WITH MUSIC MAJOR

Students may receive the A.B. degree with a major in theoretical music of not less than twenty-four and not more than forty semester hours in Music. The requirements are the same as those for a major in any other department of the college, as listed on pages 54-55 of this catalogue.

PUBLIC SCHOOL MUSIC COURSE

A special course for Supervisors of Music in Public Schools is offered, leading to the degree of Bachelor of Music. The 128 hours of this course are listed on page 12 of the Conservatory Bulletin. They are divided into the following main groups: Liberal Arts 30 hours, Education 24 hours, Theoretical Music 40, Applied Music 24, Physical Education 4 hours, and elective 6 hours. The requirements of this course are fixed by the State Department of Education. Thorough and adequate preparation is supplemented by practice teaching in the public schools. All the work is approved by the State Department and graduates receive the State Certificates without further examination.

DIPLOMAS AND CERTIFICATES

The two degrees, Bachelor of Music and Bachelor of Arts cannot be granted in the same year to any one candidate but a student graduating from college who has majored in music and fulfilled certain other requirements as outlined in the Conservatory

Bulletin, is granted a Diploma or Certificate on recommendation of the Conservatory Faculty. Each candidate for the diploma must give a public recital during the senior year. To students substituting a certain amount of work in Normal Training or public school music for the graduating recital and giving promise of aptitude for teaching, a certificate is granted instead of a diploma. Students completing satisfactorily any integral part of the work offered in the various departments of the Conservatory, involving not less than a year's study, may obtain an officially signed statement to that effect, together with a copy of the Registrar's record.

MUSIC LIBRARY

The music branch of the University Library, consisting of over one thousand volumes of literature and music, is housed at the Conservatory, and is available on the same terms as the main library. There is also a collection of primitive musical instruments of great interest, most of which have been presented by Denison alumni.

PRACTICE PIANOS

The Conservatory is equipped with practice pianos. Hours and rooms for practice should be engaged at the time of registering, and no other use of instruments or rooms is allowed without special permission.

RECITALS AND CONCERTS

Student recitals take place frequently throughout the year, and students are expected to attend. All students are under obligation to perform at recitals when so directed by their instructor. Students are not allowed to perform in public without the knowledge and consent of the instructor.

Besides the festivals of the Choral Society and various other concerts, a number of faculty recitals are given during the year, and several artist recitals, most of which are free to Conservatory students.

MUSICAL ORGANIZATIONS

(a) *The Engwerson Choral Society*. Mr. Eschman, Director. Membership is open to all who can read music sufficiently well. Two principal concerts are given each year, with notable artists assisting. According to the present custom, Handel's "Messiah" is sung each year at Christmas, while Gounod's "Faust," Rossini's "Stabat Mater," Mendelssohn's "Hymn of Praise," "Elijah" and "St. Paul," Brahms' "Song of Fate," Bruch's "Fair Ellen," Ware's "Sir Oluf," Debussy's "Blessed Damozel," Haydn's "Creation," Coleridge-Taylor's "Hiawatha," Verdi's "Aida," Franck's "Beatitudes," Bizet's "Carmen" and Mascagni's "Cavalleria Rusticana," Bach's "Passion, According to St. Matthew" are other works recently given. Rehearsals are held on Monday evenings throughout the college year.

(b) *The Denison Orchestra*. Mr. Eschman, Director. Membership is not limited to students in the University, but offers to anyone of sufficient ability the opportunity of playing classical and modern compositions under suitable direction. The Orchestra assists the Choral Society in presenting some of its oratorios, besides giving at least one concert independently in the spring. Regular rehearsals are held on Tuesday evenings throughout the college year. Membership is free to those admitted.

(c) *The Denison Glee Club*. This is an organization of forty young men chosen by annual competitive examination from the men of the University community. About twenty concerts are given each year, engagements being filled in Ohio, Pennsylvania, New York, Michigan, Indiana and Illinois. The programs consist of classical numbers, popular glees, and college songs.

(d) *The Shepardson Glee Club*. This club consists of twenty four girls, and with the exception of the officers is reorganized each fall by competitive examination. An annual concert is given in May. The club comprises the best voices of Shepardson College and Denison Conservatory.

SCHOLARSHIP

An annual scholarship, the gift of Mrs. E. S. Shepardson, is at the disposal of the Conservatory Faculty.

In addition, \$250.00 a year is received by the Conservatory from a friend of the department for the purpose of assisting worthy students.

CONSERVATORY BULLETIN

A Bulletin is published containing additional information regarding the Conservatory. A copy may be obtained by addressing Conservatory of Music, Denison University, Granville, Ohio.

EXPENSES IN CONSERVATORY

TUITION PER SEMESTER

In Pianoforte, Voice, Organ, Violin, Violoncello, or Wind Instruments

Two private lessons per week.....	\$50.00
One private lesson per week.....	27.50

In Advanced Harmony, Counterpoint, Public School Music or History of Music: Class lessons, three hours per week 12.00

In Form, Canon and Fugue, Composition, Elementary Harmony, Terminology, Appreciation, or Orchestration and Conducting: Class Lessons, etc., two hours per week 8.00

Students paying regular college tuition may elect "Elementary Harmony" and "Appreciation" without extra charge.

In Solfeggio, I, II, III, and IV, four hours per week..... 16.00

Rent of piano for practice, per semester hour (i.e. one hour a week for a semester)..... 1.00

Rent of pipe organ for practice per hour..... .15

Students taking Conservatory work totaling \$50.00 may elect college work, in addition, at the rate of \$6.50 per semester hour. All special fees and the hospital fee are required except in the case of students taking only private lessons in the Conservatory.

Rebate. Students dropping music before the middle of the semester must make arrangement for the rebate with the Director of the Conservatory.

DEPARTMENTS OF INSTRUCTION

THEORY AND HISTORY

MR. ESCHMAN, MR. STARK, MISS LOGAN

College credit may be obtained for any of the numbered courses. Those who intend to complete the theoretical course are advised to take courses 111-112, 221-222, 331-332, and 441-442, in consecutive years.

101-102. The Appreciation of Music. A non-technical course, open to all students of the University. The object is to point out the structural principles of musical art and to show what constitutes real merit in any field of musical activity. The work embraces lectures and analysis, collateral reading and critical reports of current recitals. VII, 2 hours. Mr. Eschman.

103-104 Chorus, Orchestra or Band and ensemble training. Three hours are required for one hour college credit. The course can be repeated in successive years as Music 203-204, for a total of four semester hours. Mr. Eschman.

111-112. Elementary Harmony. This course or its equivalent is prerequisite to all higher courses. It embraces a summary of music, a detailed study of the modern system of musical notation, the analysis of rhythm, practice on scale writing, transposition and the use of all the clefs. The work concludes with a study of elementary harmony including triad connection. This course is required of all freshmen planning to graduate from the conservatory.

II and IV, and a third section to be arranged, 2 hours. Mr. Eschman and assistants.

201. History of Music to the Eighteenth Century. The work consists largely of assigned reading, with written reports, tests and theses. A collection of primitive instruments serves to illustrate the early stages of music, and typical music of the successive periods is rendered in class so far as possible.

VI, 3 hours. Mr. Eschman.

202. History of Music from the Eighteenth Century to the present time. Continuation of Course 201.

VI, 3 hours. Mr. Eschman.

221-222. Advanced Harmony. Review of intervals and triads; dominant and secondary chords; suspensions; augmented and altered chords; modulations; organ-point; the harmonization of given melodies in bass or soprano, mostly in four parts, and the composition of simple original pieces. Solfeggio and elementary theory are prerequisite, with knowledge of the pianoforte sufficient at least to play an ordinary hymn-tune at sight.

I, IV, 3 hours. Mr. Eschman.

301. Terminology and Conducting. The elements of music and conducting as applied to the practice of music in the schools.

IV, 2 hours. Miss Logan.

302. Orchestration. The study of instruments and their combinations with the practice of orchestrating for school purposes.

IV, 2 hours. Miss Logan.

311-312. Musical Form. Study of thematic construction and elements of composition, through analyses of the principal instrumental forms, as illustrated in the works of classic and modern composers. Practice is given in construction of the smaller musical forms, such as hymn-tunes, and the dance forms of the classical suite. Courses 221-222 must ordinarily precede this work, but by special permission may be taken in the same year.

III, 2 hours. Mr. Eschman.

313-314. Public School Music Methods. This course covers in detail the work of the various grades and all methods now in use in the school. Related problems in the psychology of teaching are discussed.

II, 3 hours. Miss Logan.

331-332. Counterpoint. The principles of harmony applied to the melodious treatment of two or more voice parts in combination. Free harmonization of choral melodies, two, three, and four part counterpoint in the several orders; contrapuntal and imitative treatment of subjects in different voices for organ and strings. Courses 221-222 are prerequisite and some proficiency in piano playing is required.

III, 3 hours. Mr. Stark.

441-442. Strict Composition. Analysis and composition of canon and fugue and the advanced forms of polyphonic music. This is a necessary preparation for the larger and freer forms of composition. Courses 221-222, 331-332 are prerequisite, with some proficiency in pianoforte or organ playing.

VI, 2 hours. Mr. Eschman.

451-452. Free Composition. First semester, original vocal settings of selected texts; analysis of standard choral works and songs; composition of short pieces for men's or women's voices and for mixed chorus unaccompanied. Later, types of accompaniment figures are studied and settings made with with piano or other accompaniment. Second semester, analysis and composition of vocal and instrumental music in the large forms, with writing for orchestral instruments. Prerequisite, courses 441-442.

I, 2 hours. Mr. Eschman.

APPLIED MUSIC

Twenty semester hours of credit in applied music (piano, voice, etc.) are required for the Bachelor of Music degree. Eight semester hours are credited toward the Bachelor of Arts degree in the college provided the student is ready for study of music in the third grade of the six grades outlined by the National Music Teachers' Association.

The courses are numbered as follows: Piano, Violin, Violoncello, Voice or Organ 111-112, 211-212, 311-312, and 411-412 for the first, second, third and fourth years in the subject, each course number receiving one hour of college credit per semester for one lesson and five hours practice a week.

Piano, Violin, Violoncello, Voice or Organ 121-122, 221-222, 321-322, 421-422, for the respective years, each course number representing two hours of college credit per semester for two lessons and ten hours practice a week.

PIANO

MISS FARRAR, MISS HAURY

No set course is specified, but the work is adapted to the individual pupil, and the teaching preserves the cultural point of

view as much as the professional. Foundations are thoroughly laid in a study of the instrument itself and of the natural laws of tone production. Technical facility and velocity looking toward an adequate technique are considered merely the basis of artistic interpretation. The principles of expression are taught by means of the music of both classic and romantic composers.

VOICE

MRS. FITCH, MR. SCHIRMER

The object of this instruction is the correct placing of the voice, so that the tones are even and firm throughout the entire range. Stress is laid on the control of the breath, rhythm, and phrasing, together with enunciation and stage presence. Use is made of the classic song literature of all schools, especially the German, and of our own American song writers.

ORGAN

MR. STARK

A certain facility at the piano and in sight-reading is necessary and this must be proved to the satisfaction of the instructor, who may prescribe such additional work as may seem advisable in preparation. A good organ touch, comprising legato and staccato playing, steadiness and smoothness of style, are the objective aims.

Carl's Master Studies for Organ and Bach's Little Preludes and Fugues compose the ground work of study. This is followed by sonatas by Mendelssohn, Merkle, Guilman, selections by Widor, Dubois, Boellman, Lemare, Best, Hollins, Buck and Parker. Special attention is given to hymn playing, accompanying and registration to meet the practical needs of church work.

VIOLIN, VIOLONCELLO AND WIND INSTRUMENTS

MR. GELFER, MR. WELLS, MR. GILL

Good tone production and clear intonation receive a large share of attention, followed by studies and special exercises to

meet the needs of the individual. As the student becomes more proficient, pieces, sonatas, and concertos by classic and modern masters will be studied. It is the purpose to work not only for technical proficiency, but also for the higher and broader plane of artistic conception and interpretation. At least two semesters of piano study are required of candidates for graduation. Students are encouraged in ensemble playing, and those sufficiently advanced are admitted to the University Orchestra. The experience thus gained is not the least valuable part of the training, and is required of candidates for graduation.

ENSEMBLE CLASSES

- (a) Solfeggio I-II. Four hours per week, First Year.

VI. Mr. Schirmer.

- Solfeggio III-IV. Four hours per week, Second Year.

VII. Mr. Schirmer.

This work, or a satisfactory equivalent is required of all candidates for graduation in any department of the Conservatory.

The course is provided to meet the needs of all who are in any degree deficient in the fundamental principles of music, such as rhythm, intervals, and scales, or who are unable to read vocal or instrumental music readily at sight. It includes both ear-training and sight-singing.

- (b) Normal Class—Miss Farrar. This course is offered at the request of piano students, and is designed as preparation for the teaching of piano. One year of harmony and piano in the Conservatory are prerequisites.

- (c) Piano Classes—Miss Haury. Ensemble classes are maintained in piano, both duet and quartette work being done. The classes are free to all registered in the Conservatory, and this work is required of all pupils sufficiently advanced.

- (d) String Classes—Mr. Gelfer and Mr. Eschman. As far as material offers practice is held in trio and quartette work, with performances in public on suitable occasions. Advanced pupils are coached in ensemble with piano.

THE SOCIETY OF THE ALUMNI OF
DENISON UNIVERSITY

Founded in 1859

President

ELLIS P. LEGLER, '07

*Executive Secretary*JOHN L. BJELKE, '16

THE ALUMNI COUNCIL

Officers

V. Ernest Field, '03, Chairman

Karl Eschman, '11, Secretary

W. H. Johnson, '85, Treasurer

Members

TERMS EXPIRE JUNE, 1930

W. H. Johnson, '85, Columbus

Frank B. Amos, '03, Detroit

V. Ernest Field, '03, Indianapolis

TERMS EXPIRE JUNE, 1931

Blanche Beattie, '02, Canton

Lester Black, '14, Newark

Katherine Hunt, '22, Dayton

Karl Eschman, '11, Granville

TERMS EXPIRE JUNE, 1932

Robert Collett, '14, Dayton

William A. Evans, '06, Cincinnati

Ford R. Weber, '21, Toledo

Dorothy McCann Williams, '16, Granville

Graduates of the University are members of the Society of the Alumni. Former students of the Granville institutions, recipients of honorary degrees, members of the Board of Trustees, and members of the Faculty for at least three years, are received into membership upon payment of the annual dues of \$3.00. This Society was founded June 28, 1859, William P. Kerr, '45, being the first President. Nearly 5,000 members are enrolled. Annual meetings are held in commencement week.

The Council was organized in 1921, and holds quarterly meetings. The Society maintains the Denison Alumni Bulletin, published monthly at Granville, Ohio, during the college year under the editorship of the Executive Secretary.

Denison Associations of the Society of the Alumni are to be found in the following cities: New York, Chicago, Philadelphia, Baltimore, Washington, Pittsburgh, Detroit, Boston, Los Angeles, San Francisco, Denver, Rochester, N. Y., St. Louis, Charleston, W. Va., Wheeling, Parkersburg, and in larger units as North Carolina, Florida, Japan, West China. In Ohio, Associations are found in Cleveland, Cincinnati, Toledo, Akron, Canton, Youngstown, Dayton, Norwalk, Mansfield, Lima, Middletown, Springfield, Columbus and Newark. These Associations are the auxiliaries of the Society of the Alumni. It is through these organized local groups that the Executive Secretary keeps the alumni in touch with the college and with each other.

Before moving into a city where one's acquaintance is limited, graduates and undergraduates are urged to consult with the Executive Secretary, who stands ready to introduce them to officers and members of the local groups who in turn will introduce them into circles that are congenial and helpful.

The alumni have launched and are carrying on to a successful termination a campaign for \$300,000 for the endowment of three professorships. Pledges for nearly all this sum have been secured and cash payments received promise great success for the project. This fund will be placed in the hands of the Board of Trustees in 1931, the centennial of Denison.

DOANE ACADEMY

The operations of Doane Academy are suspended, with the expectation that this department of the University will be discontinued.

THE SUMMER SCHOOL

The Summer School was resumed at Denison University three years ago. The session for 1930 will open June 12th and close August 9th. It will be a nine weeks course completed in eight weeks with classes on Saturday. During this time students may earn a maximum credit of nine semester hours. The curriculum is so arranged that all classes will meet in the morning, leaving the afternoons free for study and recreation. Courses in Education will be offered for teachers of primary and secondary schools, for undergraduates who wish to advance their standing or make up deficiencies, for supervisors of public-school music and art, and for directors of physical education. The faculty will consist of several regular members of the Denison staff, a number of visiting instructors from other colleges and universities, and specialists in particular fields.

The geographical features and historical associations of Granville and vicinity, together with the exceptional recreational facilities: varsity tennis courts, swimming pools, and the Granville Inn Golf Course, will contribute much toward a pleasant and profitable eight weeks' stay on the Denison campus. Besides, provisions are being made for a series of lectures and entertainments on current and educational topics.

Expenses are reasonable. The tuition is five dollars a semester hour; the board and room, seven and a half dollars per week. The rooms in Beaver and Gilpatrick Halls are especially attractive. Colwell Hall will be used as a dining room and as a social center.

A copy of the Summer School Catalogue and full information will be gladly sent upon application to F. G. Detweiler, Dean of the Summer School, Granville, Ohio.

Degrees Conferred in June, 1929

HONORARY DEGREES

John Francis Herget, Doctor of Laws
Herman C. E. Liu, Doctor of Laws
Kirtley Fletcher Mather, Doctor of Science
Daniel Franklin Rittenhouse, Doctor of Divinity

MASTER OF ARTS

Ellen Burns, Major, English
Thesis: The New Englander in American Literature.

BACHELOR OF ARTS

*Gertrude Emily Allan	Kenneth Fuller Estey
*Elva Jane Bernhisel	Verner Ingold Fox
Novella Mae Bookser	Harold Milne Giffin
*Ruth Lillian Broughton	Arthur Carlton Gregory
Mildred Eloise Burns	Tracy Fenner Groesbeck
Ruth Harris Soyez	Robert Cecil Groves
Emily Jean Spencer	Philip Haas
*Ernestine Celenda Stanford	George Dewitt Heaton
Ruth Amaney Sterling	George Williams Howard, Jr.
Florence Wavelet Stewart	Rio Kashiwagi
*Louise Neely Stewart	James Calder Kemper
Mary Louise Swartzel	Bernard Cromwell Kirby
Margaret Marietta Teas	Lester Jackson Livingston
*Mary Helen Tunison	**Thomas Mason
Sarah Savilla West	**Milton Ellsworth Mecker
Frieda Wiebe	*Ward Searing Miller
*Margaret Lell Williams	William Walton Osmer
*Virginia Smith Wilson	John Follett Owens
*Grace Elizabeth Woodford	Robert Lee Pfundstein
*Flavia Helen Wyeth	John Maynard Posegate
*Chessie Estella Young	William Emmett Russell
John Babcock Aitchison	*Earle Rolland Seidner
Albert Read Bakeman	*Hugh Dicus Smith
*Arden Ross Barber	Reed Dewey Smith
Edward Lee Beardshear	Benjamin Robert Speicher
Charles Millard Brelsford	Harling Arthur Spring
Robert Douglas Buchanan	Wendell Phillips Stanford
William Randolph Clapper	Robert Milton Stephens
Millard Franklin Collins	Stephen Davidsin Tuttle
Howard Crilly Danner	*Kenneth Clayton Weakley

*Ward Almon Whitecomb
William George White

*Homer Geddes Williams
Mark Bruce Winchester

Ralph Otter Wise

BACHELOR OF PHILOSOPHY

Sarah Elizabeth Amos
Virginia Lee Armstrong
*Eugenia Harriet Bibby
Valeda Letitia Christian
*Kathryn Maude Darrow
*Janet Elizabeth Falstrom
*Helen Irene Gibson
Mary Margaret Gilchrist
*Lois Ruth Jones
Eleanor Colby McCann

Helen Scarritt
Cora Frances Shirk
*Mary Isabelle White
*Madelen Mae Wilcox
Virginia Davisson Wilson
John William Amos
LeRoy Alfred Bevan
Walter Preston Cooke
Andrew Clayton Kistemaker
Hartley Craven Laycock, Jr.

*Alexander Silliman Smith

BACHELOR OF SCIENCE

Hilda Pauline Albaugh
*Mary Elizabeth Cowan
*Ruth Mildred Herkner
*Thelma Ann Horner
*Marion Faye Reed
**Ruth Mable Rickett
§Gale Wyeth Baldwin
Civile Gordon Barber
Gilbert Carl Barth
Ralph Cottle Bennett
Wayne Maynard Billheimer
**Murray Almon Bratt
Lester James Burbidge
Glen Dale Coe
Hugh Osborne Coleman
Sidney Ernest Collins, Jr.
Arthur Milton Cory
**Paul Everett Dillon
**Osmond Alonzo D'Yarmett
Horace Gale English
Adelbert Milton Finley
Charles Hindel Fuchs

William Henry Geddes
John McKee Gibson
Harold Davis Fulton
*Victor Leroy Glasgo
*Mitchell Oscar Gregory
Keith Roe Hammond
Carle Walker Handel
George Stockton Hays
**Joe Wiseman Howland
Byron Dwight Hughes
Walter Carl Kerber
Theodore Gordon Leslie
Wilbur Arthur Lewis
*Ray Wendle Otto
George Taylor Oxley
Owen Meredith Phillips
Clifton Rose Potter
Joseph Gordon Rose
*Paul Harvey Schaller
Gilbert Englehorn Schmitz
Harold Brown Stubbs
*Denver Rockford Young

§As of Class of 1918.

**As of Class of 1928.

*Four years State Provisional High School Certificates Awarded.

DIPLOMAS IN CONSERVATORY

Sarah Elizabeth Amos, Piano

Ruth Marguerite Lunsford, Piano

Eleanor Colby McCann, Organ

Margaret Grahame Rhodhamel, Organ

Harling Arthur Spring, Violin

Stephen Davidson Tuttle, Organ

CERTIFICATES IN PUBLIC SCHOOL MUSIC

Emma Elizabeth Coffman

Avis Mildred Wilson

BACHELOR OF MUSIC

Avis Mildred Wilson

Degrees Conferred in September, 1929

BACHELOR OF ARTS

Bertram Crocker
Doyle Joshua Rice

BACHELOR OF SCIENCE

Mervin Albert Farber
Thomas Gillespie Folsom
Charles Ruthven Stilwell

CONSERVATORY DIPLOMA

Marjorie Alice Reed, Piano

Honors and Prizes Awarded in 1929

ELECTION TO MEMBERSHIP IN PHI BETA KAPPA

SENIORS

Albert Bakeman	Edith Page
Charles Brelsford	Hugh Smith
*George Heaton	Emily Spencer
Miriam Hildreth	Stephen Tuttle
*George Howard	Margaret Williams
Thelma Miley	Virginia S. Wilson
Ward Miller	Mark Winlchester
*Walton Osmer	*Grace Woodford
George Oxley	Helen Wyeth

*Elected in Junior Year

JUNIORS

Douglas Deeds
Winthrop Dolan
Ralph Pickett

THE HARMON FRESHMAN LATIN PRIZE

First, Ruth Patterson
Second, Margaret Thompson

THE FRESHMAN CHEMISTRY PRIZE

Charles Welling

THE GILPATRICK SCHOLARSHIP FOR EXCELLENCE IN MATHEMATICS

Charles Millard Brelsford

THE WOODLAND CHEMISTRY PRIZE

First, Hermon Woodworth

Second, John R. Boyd

THE LEWIS PRIZE CONTEST

First, Richard Canary

Third, Mark Winchester

Second, Bertram Crocker

Fourth, Genus Bartlett

THE SAMSON TALBOT PRIZES IN BIBLE READING

First, Elizabeth Coffman

Second, Robert Kelly

GENERAL HONORS

Miriam Hildreth

Margaret Williams

Edith Page

Virginia S. Wilson

Emily Spencer

Albert Bakeman

George Howard

DEPARTMENTAL HONORS

Kathryn Darrow, Christian Education

Virginia Forsyth, English

Margaret Gilchrist, Modern Language

Lucy Hankinson, Modern Language

Margaret Hartman, Modern Language

Miriam Hildreth, Latin

Carol Joy King, Zoology

Edith Page, English

Helen Perkinson, English

Emily Spencer, Modern Language

Margaret Williams, Modern Language

Virginia S. Wilson, Modern Language

Grace Woodford, Classical Language, Modern Language

William Amos, Political Science

Charles Brelsford, Mathematics, Physics

Howard Danner, Modern Language

George Howard, Economics

George Heaton, Political Science

Ward Miller, English

Walton Osmer, Political Science

Clifton Potter, Physics

Hugh Smith, Modern Language

Robert Stephens, Political Science

Stephen Tuttle, Music

ANNUAL HONORS

Alice Bakeman	Pauline Pitts
Elizabeth Beck	Marjorie Rapp
Elizabeth Chamberlain	Antoinette Shaw
Dorothy Deutsch	Helen Williams
Vivian Dickson	Virginia S. Wilson
Edythe GAMES	Richard Brandt
Martha Gillespie	Leonard Crain
Lucy Hankinson	Douglas Deeds
Florence Hoffer	Winthrop Dolan
Lucy Holsapple	Robert Edwards
Gladys Hupp	Russell Geil
Margaret Lepper	Robert Kelly
Helen McPhail	Wayland Marlow
Emily Mehnert	Ralph Pickett
Margaret Montgomery	James Uebelhart
Ruth Patterson	Charles Welling
Dorothy Perry	Gene Winchester

"A" STUDENTS

Martha Gillespie	Douglas Deeds
Margaret Lepper	Winthrop Dolan
Emily Spencer	Robert Edwards
Helen Williams	Robert Kelly
Albert Bakeman	Ralph Pickett

ELECTION TO MEMBERSHIP IN PHI SOCIETY

Edna Adams	Margaret Lepper
Elaine Ashley	Mary Elizabeth Nist
Pearl Burgoon	Ruth Patterson
Linda Davis	Margaret Thompson
Dorothy Deutsch	Robert Edwards
Vivian Dickson	Earl Eschbacher
Alethea Hanson	Thomas Gabele
Lucy Holsapple	Richard Kruse
Ethel Hurley	William Powell
Frances Hutchinson	James Uebelhart
Gertrude King	Charles Welling

Gene Winchester

Student Enrollment

(For the First Semester of 1929-30)

SENIORS

Ackerman, Franklin.....	Mansfield
Ackley, Jere.....	Granville
Adams George.....	Worcester, Mass.
Anderson, Franklin.....	Newark
Barkell, Willard.....	Granville
Biefeld, Lawrence.....	Granville
Boyd, John R.....	Coshocton
Brandt, Richard.....	Troy
Burchard, Charles.....	Jamestown, N. Y.
Case, John.....	Washington C. H.
Cheek, Emerson.....	Columbus
Clark, Wilbur.....	Detroit, Mich.
Crain, Leonard.....	East Aurora, N. Y.
Crall, Fred.....	Bucyrus
Dibble, Uel.....	Pittsburgh, Pa.
Dolan, Winthrop.....	Melrose Highlands, Mass.
Doughton, Richard.....	Akron
Drake, John.....	Monroeville
Eddy, John.....	Salem
Fischer, Addison.....	Springfield
Flory, Abram.....	Granville
Fries, Paul.....	Willard
George, Madison.....	Cleveland Heights
Gleiss, Henry.....	Detroit, Mich.
Groth, Douglas.....	Oak Park, Ill.
Haynes, Ellsworth.....	Columbus
Hicks, Wilbur.....	Canton
Hoffhines, Robert.....	Columbus
Juergens, Glendon.....	Cleveland
Kelly, Robert.....	Toledo
Kincaid, Donald.....	Crooksville
Larimer, John.....	Cleveland Heights
Light, Taylor.....	Shelby
Linne, Philip.....	Litchfield, Minn.
Lull, Harry.....	Laurens, N. Y.
Marlow, Wayland.....	Granville
Marr, Clyde.....	Troy

Meidinger, Lambert	Wathena, Kansas
Mirise, Edwin	Granville
Morrow, Clark	Granville
Nellis, Joseph	Massillon
Nicholson, William	Sandusky
Nicolazzo, Corradino	Kenosha, Wis.
O'Brien, Baldwin	Chicago, Ill.
Owen, Wilson	Berea
Pence, Ralph	Hillsboro
Reading, Edward	Cleveland
Richards, Stephen	Columbus
Ricketts, John	Coshocton
Riegel, Myron	Niles
Roadarmel, Kenneth	Haskins
Robertson, William	East Cleveland
Robinson, Kenneth	Uhrichsville
Rogers, Bernard	Granville
Runkle, Lloyd	Weirton, W. Va.
Sargent, Clyde	Washington, D. C.
Shepley, Reginald	Hamilton, Ont.
Shumaker, Clyde	Granville
Slack, Donald	Willard
Smith, Stanton	Amherst, Mass.
Snyder, Joseph	Dayton
Steadman, Frank	Granville
Stephenson, Clarence	Kings Mills
Stewart, Aston	Coshocton
Teschke, Almore	Elgin, Ill.
Thuma, Willard	Jamestown
Troup, Paul	Dayton
Van Court, Rex	Wickliffe
Van Valen, Donald	Downers Grove, Ill.
Walker, Ju/son	Walworth, N. Y.
Warren, George	Jamestown, N. Y.
Weaver, John	Mt. Healthy
Wiley, William	Cambridge
Windle, Kirk	Newark
Woodbury, Harold	Buffalo, N. Y.
Woodworth, Hermon	Cleveland
Young, James	Granville
Allen, Mary	Clarksburg, W. Va.
Bailey, Elizabeth	Granville

Bair, Margaret.....	Findlay
Beardshear, Margaret B.....	Newark
Beck, Elizabeth.....	Pittsburgh, Pa.
Belknap, Janet.....	Mansfield, Pa.
Bigelow, Marie.....	Granville
Boughton, Helen.....	Granville
Bratt, Thelma.....	Clarence Center, N. Y.
Carr, Ruth.....	Saratoga Springs, N. Y.
Channell, Fern.....	Newark
Chism, Adele.....	Lakewood
Chubbuck, Eleanor.....	Granville
Coffman, Elizabeth.....	Parkersburg, W. Va.
Corkwell, Elizabeth.....	Newark
Condén, Eugenia.....	Cleveland
Deeds, Maryellen.....	Pataskala
Dresbach, Mary.....	Duval
Duling, Miriam.....	Charleston, W. Va.
Ebaugh, Jean.....	Granville
Fellman, Harriet.....	Milwaukee, Wis.
Fulmer, Alice.....	Oakdale, Pa.
Gault, Mary.....	Trinway
Gillespie, Martha.....	Cincinnati
Gramlich, Edith.....	Toledo
Greer, Evelyn.....	West Lafayette
Hammond, Annabelle.....	Granville
Hatch, Isabel.....	Newark
Hendricks, Mary.....	Dayton
Heston, LaVerne.....	Granville
Heston, Mary.....	Osborn
Hiehle, Dorothea.....	Newark
Hodell, Helen.....	Orrville
Hoffer, Florence.....	Newark
Hollander, Lucy.....	Newark
Irwin, Helen.....	Alexandria
Klag, Helen.....	Toledo
Kurtz, Doris.....	Granville
Lawless, Jean.....	Vermilion
McPhail, Helen.....	Bay Shore, L. I., N. Y.
Merkle, Violet.....	Dayton
Montgomery, Margaret.....	Granville
Mozena, Gladys.....	Zanesville
Mullen, Ruth.....	Huntington, W. Va.
Nichols, Norinne.....	Bedford
Nicola, Esther.....	Cleveland

Packer, Elizabeth	Toulon, Ill.
Payne, Mary	Johnstown
Peck, Esther	Cleveland
Perry, Dorothy	Painesville
Pitts, Pauline	Alexandria
Reeve, Miriam	Wheaton, Ill.
Rogers, Sarah	Hillsboro
Rohrer, Ellen	Granville
Romaine, Ethel	Troy, N.Y.
Ross, Rebecca	Washington, D.C.
Rosser, Pearl	Chicago, Ill.
Sagebiel, Elinor	Dayton
Shaw, Antoinette	Lakewood
Shively, Lucille	Dayton
Stanley, Marion	Cleveland
Stout, Bertha	Clarksburg, W. Va.
Tom, Martha	Toledo
Weaver, Frances	Greeley, Colo.
Weeks, Charlotte	Marietta

JUNIORS

Allen, Ellsworth	Painesville
Allisin, Richard	Cambridge
Bailey, Raymond	Lowell, Mass.
Baldwin, Charles	Mt. Vernon
Ballard, Henry	Columbus
Bartlett, Genus	Parkersburg, W. Va.
Beverly, Georges	Painesville
Brooks, Benton	Washington, D.C.
Canary, Richard	Bowling Green
Carpenter, Herschel	Willard
Cherney, Donald	Cleveland
Clemmer, Robert	Austinburg
Couchey, John	Sagniauw, Mich.
Croneis, Frederick	Bucyrus
Curtin, Otis	Clarksburg, W. Va.
Darrow, Wiatt	Granville
Dawson, Charles	Cleveland Heights
Di Domenica, Eliseo	Philadelphia, Pa.
Ebersbach, Richard	Pomeroy
Faris, George	Pomeroy
Flory, Robert	Newark

Ford, Lyman.....	Youngstown
Frischen, Harry.....	Newark
Frowine, Von.....	Bowling Green
Geil, Russell.....	Granville
Gonzaga, Eduardo.....	Pavia, P. I.
Greenlee, Alvin.....	Uhrichsville
Hall, Norman.....	Brookline, Mass.
Hendricks, John.....	Newark
Johnson, Gordon.....	New Rochelle, N. Y.
Jones, Frank.....	Canton
Keckley, Carl.....	Granville
Kieffaber, Earl.....	Millersburg
Klinck, Dwight.....	Logansport, Ind.
Korner, Harrison.....	Cleveland Heights
Loomis, Walter.....	Cleveland
MacNab, Malcolm.....	Millersburg
McBride, John.....	Hillsboro
McFarland, Cecil.....	Birds Run
Miller, Lawrence.....	Bedford
Montgomery, Charles.....	Marysville
Ogden, George.....	Lakewood
Phillbrick, Melvin.....	Denver, Colo.
Pipoly, George.....	Youngstown
Pollock, Norman.....	Philadelphia, Pa.
Poole, Allen.....	Piqua
Randel, William.....	Mt. Vernon, N. Y.
Richards, Edward.....	Granville
Rathje, William.....	Chicago, Ill.
Rimes, Thorne.....	Chicago, Ill.
Roderick, George.....	Jackson
Roweton, John.....	Dayton
Saurer, Paul.....	Orville
Schaefer, Philip.....	Toledo
Schneider, Truman.....	Detroit, Mich.
Serrianni, Vincent.....	Richwood, W. Va.
Shoop, Clarence.....	Corry, Pa.
Sperry, Donald.....	Newark
Steinberger, James.....	St. Paris
Sweetland, Clarence.....	Berea
Talbot, John.....	Tiffin
Trask, Glenn.....	Utica, N. Y.
Van Dussen, Leonard.....	Rochester, N.Y.
Varney, Harold.....	Dayton
Walker, Otto.....	Johnstown

Wheatley, William	Lorain
Willison, Blair	Clarksburg, W. Va.
Wince, Paul	Newark
Woodward, Robert	Newark
Yoakum, Carroll	Homer
Young, Eugene	Salem
Young, Wendell	Butler
Zimmer, John	Adams Mills
Agin, Marguerite	Newark
Alloways, Margaret	Zanesville
Ashbrook, Laurabelle	Granville
Babbs, Marian	Newark
Barnett, Rachel	Newcomerstown
Barr, Madge	Massillon
Bender, Mary	Hammond, Ind.
Benjamin, Anna	Chicago, Ill.
Bigelow, Mildred	Granville
Bown, Norma	Marysville
Broughton, Sara	Granville
Chamberlain, Elizabeth	East Lansing, Mich.
Chism, Adele	Lakewood
Clarke, Barbara	New Rochelle, N.Y.
Cochren, Vivian	Gambier
Connolly, Mary	Warren
Davidson, Mary	Parkersburg, W. Va.
Day, Lois	Pittsburgh, Pa.
Detweiler, Helen	Tarrytown, N. Y.
Dillon, Ruth	Cambridge
Edmondson, Jean	Alexandria
Edsall, Virginia	Buffalo, N. Y.
Ellison, Mary	West Union
Fitger, Mary	Mansfield
Goodbread, Ruth	Cleveland Heights
Greiner, Mabel	Alliance
Handel, Mary	Newark
Hatch, Elizabeth	Newark
Holler, Lois	Newark
Hoover, Pauline	Johnstown
Houser, LaVeta	Olean, N. Y.
Hudson, Irma	Lakewood
Hughes, Marjorie	Washington, D. C.
Hutchins, Dorothy	Macksburg

Irving, Jean.....	Cleveland
Jackson, Elizabeth.....	Closter, N. J.
Jones, Wilma.....	Granville
Kreager, Frances.....	Columbus
Latta, Margery.....	Granville
Lloyd, Frances.....	Granville
McCray, Martha.....	Newark
Minturn, Edna.....	New Lexington
Mitchell, Eleanor.....	Pittsburgh, Pa.
Morgester, Doris.....	Eden, N. Y.
Nauman, Mary K.....	Dayton
Norman, Marjorie.....	Parkersburg, W. Va.
Ott, Margaret.....	Wilmette, Ill.
Ralston, Marie.....	Cleveland
Rapp, Marjorie.....	Newark
Richards, Catherine.....	Granville
Riddle, Martha.....	Derby
Robinson, Ethel.....	Clarksburg, W. Va.
Ross, Henrietta.....	Watseka, Ill.
Simmons, Louise.....	Johnstown
Smith, Alice.....	Hartford, W. Va.
Smith, Kathryn.....	Granville
Stanton, Elizabeth.....	Akron
Stemme, Irene.....	Monongahela, Pa.
Stockton, Virginia.....	Fargo, N. D.
Stutler, Eleanor.....	Washington, D. C.
Sweet, Elizabeth.....	Granville
Valentine, Betty.....	Granville
Van Allen, Elaine.....	Dayton
Williams, Helen.....	Pataskala
Woodley, Jeannette.....	Toledo
Woodworth, Esther.....	Cleveland
Wright, Elizabeth.....	Oak Park, Ill.
Wynkoop, Katherine.....	Mt. Vernon

SOPHOMORES

Ashton, Howard.....	Chicago, Ill.
Baker, Charles.....	Chicago, Ill.
Balsh, Dale.....	Mansfield
Blackburn, Donald.....	Toledo
Blackburn, Richard.....	Cincinnati
Blakeley, Del.....	Newark

Bonham, Walter	Newark
Boor, William	Jewett
Boyd, George	Charleston, W. Va.
Broadhead, Edward	Jamestown, N. Y.
Broughton, Charles	Granville
Browne, Fred	Royal Oak, Mich.
Burt, J. Douglas	Salem
Capen, Carl	Indianapolis, Ind.
Claugus, Audrey	Newark
Cooperrider, Ellsworth	Newark
Darrow, Arthur	Granville
Dean Mortimer	Erie, Pa.
DeCicco, Gabriel	Youngstown
Detweiler, Frederick	Granville
Dibble, Paul	Barberton
Draws, Stanley	Cleveland
Edwards, Robert	Granville
Evans, Paul	Hamburg, N. Y.
Fellman, Edward	Milwaukee, Wis.
Finly, Lowell	Millersburg
Fishbaugh, Emerson	Newark
Fitch, Milton	Granville
Flagelr, Allen	Chicago, Ill.
Foster, Fred	Hebron
Gabele, Thomas	Norwalk
Grady, Harry	Cleveland
Hamilton, Lowell	Mansfield
Hollingworth, Neal	Granville
Hong, Ik	Cheng Pyeng, Korea
Hoshide, Masuo	Seattle, Wash.
Humlcek, Adolph	Chicago, Ill.
Hutson, DeArmond	Detroit, Mich.
Jennings, Robert	Cleveland
Jewett, Dwight	Utica
Johnson, Harold	Mt. Vernon
Kelih, Stephen	Cleveland
Kennard, Elbert	Cleveland Heights
Kennedy, William	Willoughby
Kerbawy, Edward	Brooklyn, N. Y.
Kindig, Wade	Wadsworth
Knapp, William	Zanesville
Kruse, Richard	Perrysburg
Kyker, Glenn	Huntington, W. Va.
Laycock, William	Chicago, Ill.

Leedy, Russell.....	Fredericktown
Linder, Daniel.....	St. Louis, Mo.
McConnell, Jack.....	Dayton
McCullough, William.....	Granville
McGeorge, Ralph.....	Cleveland Heights
Marsh, Fred.....	Bowling Green
Marshall, Robert.....	Granville
Mason, Jack.....	Hermine, Pa.
Massie, Walter.....	Edinburg, Va.
Merkel, Charles.....	Marion
Montgomery, Raymond.....	Granville
Moore, James.....	Canton
Murphy, Gale.....	Dayton
Parks, Samuel.....	Minonk, Ill.
Patchen, Wayne.....	Newark
Powell, William.....	Pittsburgh, Pa.
Pratt, Warren.....	Birmingham, Mich.
Randell, Gordon.....	Jamestown, N. Y.
Raymond, Thain.....	Oak Park, Ill.
Ringo, Woodford.....	Clinton, Ky.
Roberts, Richard.....	Granville
Robertson, Oliver.....	East Cleveland
Roher, James.....	Duquesne, Pa.
Rossiter, Donald.....	Canton
Rupe, Earle.....	Tipecanoe City
Sargent, Frederick.....	Johnstown, Pa.
Sauer, Richard.....	Hamilton
Schad, Eugene.....	Waukegan, Ill.
Schnee, Robert.....	Millersburg
Scott, Raymond.....	Dayton
Scriven, Albert.....	Cleveland Heights
Sexton, James.....	Columbus
Short, Herbert.....	Hamburg, N. Y.
Shrake, James.....	Canton
Shumaker, Clifton.....	Vandergrift, Pa.
Siders, Charles.....	Columbus
Smith, Wayne.....	Dayton
Steck, Harry.....	Granville
Thompson, McKean.....	Granville
Townsend, Robert.....	Canton
Turner, Clifford.....	Cleveland
Uebelhart, James.....	Canton
Van Voorhis, Robert.....	Newark
Wagner, Richard.....	Mt. Gilead

Walker, Prose	Walworth, N. Y.
Walsh, James	Cleveland
Ward, Lawrence	Waterville
Washington, Harvey	East Cleveland
Welling, Charles	Dresden
Wible, James	Dover
Wiley, Walter	Ballston Spa, N. Y.
Wille, Jack	Canton
Williams, Walter	Willard
Willis, Willard	Wellston
Winchester, Gene	Toledo
Winter, Spurgeon	Lakewood
Wolfe, Eugene	Marshall, Texas
Wright, James	Newark

Adams, Edna	East Springfield, Mass.
Amrine, Dorothy	Zanesville
Anton, Rose	Tampa, Fla.
Arnold, Ruth	Wilmette, Ill.
Ashley, Elaine	Kenosha, Wis.
Bakeman, Margaret	Granville
Bartlett, Helen	Oak Park, Ill.
Bowman, Marion	Cleveland
Boyer, Clara	Library, Pa.
Boynton, Rachel	Clarksburg, W. Va.
Bradtmiller, Margaret	Fort Wayne, Ind.
Brakeman, Margaret	Oil City, Pa.
Buchanan, Gladys	Irwin, Pa.
Burgon, Pearl	Mt. Vernon
Burt, Elizabeth	Salem
Colby, Jane	Memphis, Tenn.
Corces, Pilar	Tampa, Fla.
Cowman, Helen	Greenfield
Davis, Barbara	Newtonville, Mass.
Davis, Linda	Newark
Dawson, Ruth	Parkersburg, W. Va.
Detwiler, Ollie	Goldfield, Nev.
Deutsch, Dorothy	Cleveland
Duncan, Marian	Ostrander
Dunkelberger, Laurel	Chicago, Ill.
Dunlap, Vivian	Flushing
Eddy, Mary	Granville
Eisele, Louise	Cleveland

Falkenburg, Maurine.....	Chicago, Ill.
Fang, Bertha.....	Chicago, Ill.
Fate, Emmeline.....	Plymouth
Foster, Jean.....	Bernardston, Mass.
Fowler, Lucile.....	Barnesville
Francis, Lola.....	East Chicago, Ind.
Gage, Murray.....	Johnstown
Gibson, Mary.....	Warren, Pa.
Giffin, Louise.....	Granville
Grosscup, Alice.....	Mt. Vernon
Guckert, Frances.....	Granville
Hall, Isabelle.....	Charleston, W. Va.
Hanson, Alethea.....	Mt. Vernon, N. Y.
Harris, Lola.....	Centerburg
Hart, Erna.....	Bexley
Hartig, Lorraine.....	Oak Park, Ill.
Hodell, Louise.....	Orrville
Hoffman, Kathryn.....	Sandusky
Hughes, Caryl.....	Chicago, Ill.
Hurley, Ethel.....	Chicago, Ill.
Hutchinson, Frances.....	Newark
Johnson, Carrie.....	Newark
Jones, Barbara.....	Granville
Keadey, Dolores.....	Centerburg
Kemper, Martha.....	Charleston, W. Va.
King, Gertrude.....	Warren
Kirby, Elizabeth.....	Philadelphia, Pa.
Lawson, Helen.....	Columbus
Leach, Merle.....	Jamestown
Lepper, Margaret.....	Bluffton, Ind.
Lewis, Eloise.....	Canton
Lewis, Elizabeth.....	Akron
Lunsford, Annie Kate.....	Xenia
MacLean, Joy.....	Waltham, Mass.
McElroy, Dorothy.....	Chicopee Falls, Mass.
Mabee, Ruth.....	Harrisonburg, Va.
Matson, Dorothy.....	Lakewood
Maurer, Lillian.....	West Lafayette
Melick, Gertrude.....	Utica
Mentall, Sema.....	Cleveland
Mercer, Genevieve.....	Canton
Mohr, Marian.....	Lima
Mons, Harriet.....	Kenilworth, Ill.
Montgomery, Susan.....	Newark

Moor, Elinor	Indianapolis, Ind.
Morgester, Dorothy	Eden, N.Y.
Munn, Ruth	Cleveland
Nicola, Margaret	Cleveland
Nist, Mary Elizabeth	Canton
Owens, Ruth	Granville
Palmer, Doris	New York, N. Y.
Posegate, Elizabeth	Springfield, Ill.
Pretorius, Emma	Dover
Riddile, Josephine	Newcomerstown
Robinson, Irene	Toledo
Rogers, Betty	Dayton
Rutledge, Virginia	Newark
Scott, Lucille	Canton
Scully, Jane	Winchester, Va.
Smith, Marjorie	Wilmette, Ill.
Smith, Mary	Newark
Spencer, Juliette	Columbus
Stephenson, Frances	Newark
Stevens, Marjory	Dayton
Stilwell, Eleanor	Bedford
Stoaks, Elizabeth	Jackson, Miss.
Teter, Betty	Cleveland
Thompson, Margaret	Wollaston, Mass.
Truax, Lucille	Columbus
Weichman, Dorothy	Poland
Wellman, Helen	Granville
Wells, Pearl	Hillsdale, Mich.
Wiley, Dorothy	Granville

FRESHMEN

Acomb, Robert	Cincinnati
Adams, Robert	Dayton
Addison, Robert	Cleveland
Alexander, Rex	Canton
Anderson, Samuel, Jr.	Newark
Argust, Edison	Geneva
Armstrong, Hazen	Saginaw, Mich.
Ball, Joseph	Zanesville
Barker, Dana	Granville
Beatley, Philip	Lakewood
Beck, Hamilton	Pittsburgh, Pa.
Bireley, Homer	Washington C.H.

Black, Francis.....	Muncie, Ind.
Blakeley, Neil.....	Newark
Bobbitt, Vernon.....	Perry, Iowa
Bond, John.....	Cleveland Heights
Bowman, Marshall.....	Columbus
Breed, Harold.....	Des Moines, Iowa
Bridge, Robert.....	Canton
Brown, Charles.....	Mansfield
Bushnell, Maynard.....	Arnold, Pa.
Carnahan, Frank.....	New Philadelphia
Chapman, Robert.....	Toledo
Cherney, Paul.....	Cleveland
Clark, William.....	Hamilton
Cooper, George.....	Zanesville
Craig, Thomas.....	Washington C.H.
Currie, Francis.....	Martins Ferry
Dalton, Gerry.....	Wheaton, Ill.
Deeley, George.....	Mt. Vernon
Denny, William.....	Cambridge
DePuy, Robert.....	Dayton
Dildine, Gibson.....	Lima
Douglas, John.....	Galion
Eatough, Wilfred.....	Pawtucket, R. I.
Elliott, Frank.....	Newark
Elliott, Robert.....	Marion
Ellison, Glenn.....	Middletown
Fadden, Stetson.....	Coldwater, Mich.
Fee, Andrew.....	Newark
Felker, John.....	Toledo
Fink, Wendell.....	Fredericktown
Fitch, George.....	Chicago, Ill.
Francis, Bertram.....	East Chicago, Ind.
Gabel, Joseph.....	St. Clairsville
Garwood, Paul.....	Dayton
Green, Robert.....	Kent
Gregg, Corbly.....	Milton, Pa.
Gunn, Charles.....	Findlay
Hansel, Emerson.....	Logan
Hendricks, Andrew.....	Dayton
Heppes, Richard.....	La Grange, Ill.
Hewit, Graydon.....	Hammond, Ind.
Hlavin, Robert.....	Lakewood
Hockett, Oris.....	Dayton
Hudson, Grant.....	Washington D. C.

Humphrey, James.....	Bedford
Irwin, Ronald.....	Buffalo, N. Y.
Jacob, Howard.....	Cleveland
Jenkins, Daniel.....	New Lexington
Jercher, John.....	Cincinnati
John, Robert.....	Camp Chase
John, Lee.....	Hammond, Ind.
Johnson, Norman.....	Niles
Jones, Richard.....	Owatonna, Minn.
Jones, Roderic.....	Newark
Kenmpton, Orvel.....	Sunbury
Klein, Herman.....	Cincinnati
Klose, Rolland.....	St. Louis, Mo.
Knox, George.....	Granville
Kohlman, Wilbur.....	Sandusky
Lair, Reynolds.....	Columbus
Lawyer, Reese.....	Newark
Lee, Maurice.....	Mt. Prospect, Ill.
Lehrer, Henry.....	Sandusky
Leidy, Donald.....	Newark
Lloyd, Robert.....	Granville
Louys, George.....	Stryker
Lucas, Dean.....	Newark
McCracken, Joseph.....	Newark
McCraney, Wesley.....	Rutherford, N. J.
McCreary, Robert.....	New Philadelphia
Mathews, John.....	Mt. Gilead
Mears, John.....	Granville
Megaw, Charles.....	Granville
Mentall, Arthur.....	Cleveland
Meyer, Philip.....	Bellevue, Ky.
Miller, Roland.....	Cleveland
Miyasaki, Yuzo.....	Lihue Kahai, T. H.
Morgan, Eugene.....	Fort Wayne, Ind.
Myers, Dean.....	Upper Darby, Pa.
O'Brien, Paul.....	East Liverpool
Packer, Mortimer.....	Toulon, Ill.
Park, John.....	Munhall, Pa.
Peterson, Oscar.....	Burlington, Vt.
Pettit, Thomas.....	Cleveland Heights
Pierce, Lloyd.....	Roselle, N. J.
Piper, Kirk.....	Granville
Pratt, James.....	Birmingham, Mich.
Randel, James.....	Mt. Vernon, N. Y.

Raymond, William.....	Oak Park, Ill.
Reese, Ervin.....	East Chicago, Ind.
Remmele, James.....	Toledo
Reynolds, Kenneth.....	Factoryville, Pa.
Rhodes, LaDoyt.....	St. Marys
Schade, Fred.....	Cleveland Heights
Schmitz, Charles.....	Granville
Serafy, Delmar.....	East Liverpool
Shepard, John.....	Granville
Snyder, Bertram.....	Cincinnati
Sohl, William.....	East Cleveland
Spear, Edward.....	Cleveland Heights
Stock, Jacob.....	Granville
Stollatis, William.....	Erie, Pa.
Stoneking, Charles.....	North Bend
Stout, Wayne.....	Etna
Thompson, Francis.....	Granville
Treharne, Jack.....	Martins Ferry
Tupper, Ralph.....	Southville, Mass.
Van Voorhis, Daniel.....	Brownsville, Texas
Waldorf, Elbert.....	Painesville
Walker, Howard.....	Johnstown
Warne, Allen.....	Centerville
Wart, Lauri.....	Ashtabula Harbor
Waybright, Edgar.....	S. Jacksonville, Fla.
Weidemaier, Glenwood.....	Norwalk
Weisenbarger, Paul.....	Greenville
Wetherill, Ned.....	Toledo
Wheeler, Ronald.....	Greenville
White, Jack.....	Brooklyn, N. Y.
White, Robert.....	Cincinnati
Wickham, Stewart.....	East Cleveland
Williams, William.....	Cleveland
Wootton, Verne.....	Mt. Vernon
Wright, Ned.....	Mt. Vernon
Wymer, Thomas.....	Dayton
Yoakam, Reid.....	Homer
Zeller, Karl.....	Columbus
Zimmerman, Robert.....	Piqua
Zimmers, Neal.....	Dayton
Ankele, Emma.....	Danville, Ill.
Bachelor, Evelyn.....	Marion

Baker, Ruth	La Gloria, Cuba
Barnes, Marion	New Bedford, Mass.
Bent, Marion	Kenilworth, Ill.
Bigglestone, Ruth	Melrose Highlands, Mass.
Bingham, Frances	Cleveland
Booth, Mary	Newark
Brashear, Elizabeth	Newark
Brassie, Dorothy	Oak Park, Ill.
Bratten, Betty	Dayton
Braunschweiger, Kathryn	Dayton
Bredhorn, Marjorie	Chicago, Ill.
Breitenwischer, Wilhelmina	Highland Park, Mich.
Brenholts, Virginia	Newark
Brown, Bertha	New Lexington
Brown, Mariar	Urbana
Campbell, Janet	Wheaton, Ill.
Chambers, Mildred	Princeton, Ind.
Clark, Elizabeth	Evanston, Ill.
Clark, Helen	Cleveland
Coghill, Muriel	Fallsington, Pa.
Collins, Dorothy	Norwood
Comb, Dorothy	Kenton
Cordill, Rachel	Haskins
Cox, Marsena	Granville
Davidson, Marjorie	New Lexington
Dawson, Jean	Parkersburg, W. Va.
Dempers, Helene	Lombard, Ill.
Deuster, Eleanor	Grosse Pointe, Mich.
Dieterich, Vergene	Hammond, Ind.
Dumbauld, Virginia	Johnstown
Durnell, Mary	Dayton
Edington, Elizabeth	Nelsonville
Edmondson, Doris	Alexandria
Ellinwood, Virginia	Loveland
English, Virginia	Canton
Enoch, Ruth	Columbus
Forrest, Mary	Winnetka, Ill.
Freidrich, Ruth	Cincinnati
Gerber, Kathleen	Canton
Gibbs, Emma	Canton
Goodyear, Mary	Uhrichsville
Grafenstadt, Ada	Brooklyn, N. Y.
Greene, Elizabeth	Urbana
Greene, Marion	Newton Centre, Mass.

Guntrup, Celia.....	Detroit, Mich.
Gutzeit, Edith.....	St. Joseph, Mich.
Hasson, Audrey.....	Centerburg
Hawkinson, Troy.....	Chicago, Ill.
Hess, Bettie.....	Canton
Honor, Louise.....	Clarksburg, W. Va.
Howell, Margaret.....	Columbus
Hunter, Eleanor.....	Zanesville
Hutchinson, Margaret.....	Newark
Johnson, Catherine.....	Lancaster
Johnson, Gwendolyn.....	Miami Beach, Fla.
Junge, Olive.....	Lakewood
Kern, Martha.....	Zanesville
King, Kathleen.....	New Lexington
King, Kathryn.....	Zanesville
Kirkpatrick, Bernice.....	Coshocton
Knapp, Eleanor.....	Norwalk
Knapp, Elizabeth.....	Zanesville
Kramer, Dorothy.....	Dayton
Lamson, Mary.....	Granville
Landrum, Esther.....	Columbus
Laven, Ruby.....	Des Moines, Iowa.
Lawrence, Wilma.....	Newark
Leedy, Ruth.....	Fredericktown
Lehman, Lois.....	Creston
Light, Gwendolyn.....	Canton
Little, Margaret.....	Russell, Kansas
Luccock, Caroline.....	Oak Park, Ill.
Luebben, Kathryn.....	Youngstown
Lyons, Mary.....	Pleasant Ridge, Mich.
Mathewson, Alice.....	Oakdale, Pa.
Mecklem, Emilie.....	Swissvale, Pa.
Merchant, Charlotte.....	Indianapolis, Ind.
Miller, Catharine.....	Newark
Mocabee, Helen.....	Cardington
Morgan, Eleanor.....	Norwood
Morgan, Louise.....	Cleveland
Morris, Lois.....	New London
Mosher, Elizabeth.....	White Plains, N. Y.
Mouser, Martha.....	Granville
Nichols, Alda.....	Bedford
Obenland, Florence.....	Chicago, Ill.
Oldham, Lois.....	Grosse Pointe, Mich.
Oskamp, Ann.....	Wheaton, Ill.

Patton, Josephine	Berea
Pease, Frances	Berwyn, Ill.
Peck, Virginia	Cleveland
Petterson, Bertha	Mt. Vernon
Pierce, Annabel	Granville
Platt, Ann	Mt. Vernon
Potter, Ruth	Worthington
Reed, Lois	Twinsburg
Reitz, Edna	Cleveland
Richards, Helen	Pataskala
Rinehart, Adelaide	Dayton
Ryan, Esther	Cincinnati
Schull, Mildred	Dayton
Shackleton, Ann	Cleveland
Shalling, Mary	East Cleveland
Shewmon, Ruth	Indianapolis, Ind.
Stabler, Eva	Waverly
Strickle, Minnie	Newark
Stites, Carolyn	Cincinnati
St. John, Dorothy	Royal Oak, Mich.
Stokely, Jean	Floral Park, L. I., N. Y.
Struble, Margaret	Fredericktown
Sutley, Grace	Newark
Sweet, Mary	Granville
Thomas, Faye	Akron
Thomas, Olive	Cleveland
Thompson, Virginia	Pittsburgh, Pa.
Throckmorton, Mabel	Wilmette, Ill.
Van Beuren, Virginia	Evanston, Ill.
Van Voorhis, Dorothy	Coshocton
Wachs, Ruth	Winnetka, Ill.
Waddell, Mary	Lakewood
Webb, Elizabeth	Pleasant Ridge, Mich.
Wedel, Edna	Norwood
White, Carolyn	Cleveland
White, Evalin	New Richmond
Williams, Geraldine	Niles
Williamson, Charlotte	Sistersville, W. Va.
Wintermute, Mary Jo	Mt. Vernon
Woodbury, Jean	Rochester, N. Y.
Yaggai, Isabelle	New Philadelphia
Zimmer, Mildred	Adams Mills

ADDITIONAL ENROLLMENT FOR THE SECOND SEMESTER
1928-1929

not included in catalogue of January, 1929. Classification as of 1928-1929

SENIORS

Barth, Gilbert.....	Sandusky
Nicolazzo, Corradino.....	Kenosha, Wis.
Bookser, Novella.....	Buffalo, N. Y.
Burns, Mildred.....	Wilmette, Ill.
Jones, Judith.....	East Northfield, Mass.

JUNIORS

Bradford, Wilson.....	Coolville
Cheek, Emerson.....	Columbus
Sargeant, Clyde.....	Washington, D. C.
Besanceney, Margaret.....	Newark
Rosser, Pearl.....	Chicago, Ill.

SOPHOMORES

Hollingworth, Nael.....	Granville
Latta, John.....	Granville
Mayner, Joseph.....	Ashland
Merkel, Charles.....	Marion
Miller, Dale.....	Zanesville
Achen, Marjorie.....	Oak Park, Ill.
Carr, Ruth.....	Saratoga Springs, N.Y.
Eisele, Louise.....	Cleveland Heights
Failor, Anna Mae.....	East Palestine
Gallogly, Lulu.....	Zanesville
Hough, Helen.....	Dayton
Kaiser, Katherine.....	Cleveland Heights
Kreager, Frances.....	Columbus
Olson, Charlotte.....	Chicago
Posegate, Elizabeth.....	Springfield, Ill.
Wilson, Betty.....	Fostoria

FRESHMEN

Ralph, Dale.....	Mansfield
Bliss, Perry.....	Lakewood
Dalton, Gerry.....	Wheaton, Ill.
Livingston, David.....	Newton, Mass.
Sexton, James.....	Columbus
Stoffer, John.....	Canton
Lawson, Helen.....	Columbus
Owens, Ruth.....	Granville

PART TIME STUDENTS

(First Semester, 1929-1930)

(Mostly in University Extension Courses)

Black, Lester	Newark
Evans, Frederick	Newark
Greenshields, Bruce	Granville
Howe, Richard	Granville
Ladner, Collins	Granville
Russel, William	Toledo
Schurmer, Allan	Granville
Shumaker, Eri	Granville
Stark, Brayton	Granville
Wardley, Alfred	Alexandria
Ashcraft, Barbara	Newark
Baumgarten, Neva	Newark
Bourner, Dorothy	Newark
Cagney, Mayme	Newark
Dorsey, Helen	Newark
Fleming, Edith	Newark
Forsythe, Elsie	Hebron
Fry, Faith	Newark
Griffith, Edna	Newark
Hancock, Ethel	Granville
Haymond, Mary	Newark
Jones, Joel	Newark
Jones, Louise	Thornville
Kreager, Pauline	Glenford
MacMahon, Alice	Newark
MacNealy, Lillian	Newark
McCoy, Katherine	Newark
Miley, Thelma	Granville
Montgomery, Amy	Newark
Mowery, Doris	Newark
Myer, Florence	Newark
Owen, Byrd Tuttle	Granville
Pelsang, Dorothy	Miami, Fla.
Pierce, Mary	Newark
Plants, Tezza	Newark
Powell, Beatrice	Newark
Pyle, Mary	Newark
Rogers, Esther	Newark
Roll, Katherine	Newark
Smith, Nelle	Newark

Smith, Ruth.....	Newark
Spurgeon, Vivian.....	Millersport
Suter, Harva.....	Newark
Timpson, Mildred.....	Newark
White, Edith.....	Newark
Wildman, Letitia.....	Newark
Wilkin, Thelma.....	Newark
Wright, Bessie.....	Newark

Conservatory of Music

SENIOR CLASS

Sarah Amos, Piano	Cambridge
Elizabeth Coffman, Voice	Parkersburg, W. Va.
Norma Keagy, Public School Music	Coshocton
Norinne Nichols, Organ	Bedford
George Ogden, Organ	Lakewood

UNCLASSIFIED

Allen, Ellsworth	Painesville
Alloways, Margaret	Zanesville
Amrine, Dorothy	Zanesville
Andrew, Virginia	Granville
Armstrong, Hazen	Saginaw, Mich.
Ashley, Elaine	Kenosha, Wis.
Barnett, Rachel	Newcomerstown
Bartlett, Genus	Parkersburg, W. Va.
Beck, Hamilton	Pittsburgh, Pa.
Biggestone, Ruth	Melrose Highlands, Mass.
Bingham, Frances	Cleveland
Black, Francis	Muncie, Ind.
Blackstone, Geneva	Granville
Bobbitt, Vernon	Perry, Iowa
Boughton, Faith	Granville
Bratt, Thelma	Clarence Center, N. Y.
Broadhead, Edward	Jamestown, N. Y.
Capen, Carl	Indianapolis, Ind.
Cogbill, Muriel	Fallsington, Pa.
Colville, Robert	Alexandria
Coons, Jane	Granville
Corkwell, Constance	Newark
Day, Lois	Pittsburgh, Pa.
Deuster, Eleanor	Grosse Pointe, Mich.
DiDomenica, Eliseo	Philadelphia, Pa.
Duncan, Marian	Ostrand
Durnell, Mary	Dayton
Ebaugh, Paul	Granville
Eddy, Mary E.	Granville
Edmondson, Jean	Alexandria
Edsall, Virginia	Buffalo
Everhart, Donald	Granville
Falkenburg, Maurine	Chicago

Fowler, Lucile.....	Barnesville
Francis, Bertram.....	East Chicago, Ind
Geil, Ruth.....	Granville
Giffin, Louise.....	Granville
Goodbread, Ruth.....	Cleveland Heights
Greene, Marion.....	Newton Center, Mass.
Greenshields, Mrs. B.....	Granville
Greer, Evelyn.....	West Lafayette
Grosscup, Alice.....	Mt. Vernon
Guckert, Frances.....	Granville
Hempstead, Addison.....	Croton
Holden, Frederick.....	Granville
Hollingworth, Jeannette.....	Granville
Hornor, Louise.....	Clarksburg, W. Va.
Houser, La Veta.....	Olean, N.Y.
Hudson, Irma.....	Lakewood
Jonse, Edith.....	Granville
Juergens, Glendon.....	Cleveland
Jobe, P.....	Granville
Keady, Dolores.....	Centerburg
Kemper, Martha.....	Charleston, W. Va.
King, Gertrude.....	Warren
King, Kathryn.....	Zanesville
Kirkpatrick, Bernice.....	Coshocton
Knapp, Elizabeth.....	Zanesville
Lair, Reynolds.....	Columbus
Lawless, Jean.....	Vermilion
Lawson, Helen.....	Columbus
Leidy, Anne.....	Newark
Linder, Daniel.....	St. Louis, Mo.
Little, Margaret.....	Russell, Kansas
McNeil, Harold.....	Washington, D. C.
Mathewson, Alice.....	Oakdale, Pa.
Maurer Lillian.....	West Lafayette
Mecklem, Emilie.....	Swissvale, Pa.
Mentall, Selma.....	Cleveland
Mercer, Genevieve.....	Canton
Metzger, Roland.....	Granville
Miller, Charles.....	Newark
Miller, E. R.....	Newark
Montgomery, Charles.....	Marysville
Mulquin, Esther.....	Newark
Munn, Ruth.....	Cleveland Heights
Murphy, Gale.....	Dayton

Nauman, Mary K.	Dayton
Nichols, Alda	Bedford
Oskamp, Ann	Wheaton, Ill.
Owens, Ruth	Granville
Payne, Mary	Johnstown
Peck, Virginia	Cleveland
Pitts, Pauline	Alexandria
Pollock, Norman	Philadelphia, Pa.
Remmele, James	Toledo
Riddile, Josephine	Newcomerstown
Rinehart, Adelaide	Dayton
Robinson, Irene	Toledo
Roderick, George	Jackson
Rogers, Mary	Granville
Schmitz, Frederick	Granville
Shalling, Mary	East Cleveland
Shepardson, Martha Ann	Granville
Shewmon, Ruth	Indianapolis, Ind.
Skinner, Ethel	Newark
Smith, Alice	Hartford, W. Va.
Smith, Virginia	Granville
Stahler, Eva	Waverly
Stanton, Elizabeth	Akron
Stewart, John	Granville
Stewart, Elizabeth	Granville
Stickle, Minnie	Newark
Stockton, Virginia	Fargo, N. D.
Stout, Wayne	Etna
Struble, Margaret	Fredericktown
Suter, Mrs. Harva	Newark
Sutley, Grayce	Newark
Swisher, Mrs. Elizabeth	Newark
Swisher, Herbert	Newark
Thompson, Virginia	Pittsburgh, Pa.
Van Voorhis, Dorothy	Coshocton
Wharton, Margaret	Johnstown
Wiley, Dorothy	Granville
Wintermute, Mary Jo	Mt. Vernon
Wolfe, L. Eugene	Marshall, Texas
Wood, Ruth	Philippi, W. Va.
Woodbury, Harold	Hillsville, Pa.
Wright, Edith	Hanover
Wynkoop, Katherine	Mt. Vernon
Waldorf, Elbert	Painesville

Weaver, Frances.....	Greeley, Colo.
Weirich, Marie T.....	Granville
Wellman, Helen.....	Granville
Wellman, Louise.....	Granville
Wells, Pearl.....	Hillsdale, Mich.
Yaggi, Isabelle.....	New Philadelphia
Yearick, Dorothy.....	Newark
Zimmer, Mildred.....	Adams Mills

GEOGRAPHICAL CENSUS

(First Semester, 1929-1930)

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Colorado.....	1	1	2
District of Columbia.....	3	3	6
Florida.....	1	3	4
Illinois.....	20	34	54
Indiana.....	8	9	17
Iowa.....	2	1	3
Kansas.....	1	1	2
Kentucky.....	2	0	2
Massachusetts.....	6	9	15
Michigan.....	10	10	20
Minnesota.....	2	0	2
Mississippi.....	0	1	1
Missouri.....	2	0	2
Nevada.....	0	1	1
New Jersey.....	2	1	3
New York.....	20	16	36
North Dakota.....	0	1	1
Ohio.....	282	237	519
Pennsylvania.....	17	15	32
Rhode Island.....	1	0	1
Tennessee.....	0	1	1
Texas.....	2	0	2
Vermont.....	1	0	1
Virginia.....	1	2	3
Washington.....	1	0	1
West Virginia.....	7	16	23
Wisconsin.....	2	2	4
Total United States.....	394	364	758

Canada	1	0	1
Cuba	0	1	1
Hawaii	1	0	1
Korea	1	0	1
Philippine Islands	1	0	1
Grand Total.....	398	365	763
Part-time students	10	38	48
Conservatory (non-college)	13	28	41
Grand Total (Exclusive of repetition)	421	431	852

SUMMARY OF STUDENT ATTENDANCE

(First Semester, 1929-1930)

Seniors	77	64	141
Juniors	73	68	141
Sophomores	108	101	209
Freshmen	140	132	272
Part-time	10	38	48
Total	408	403	811
Conservatory of Music			
Collegiate rank	22	72	94
Non-collegiate rank	13	28	41
Grand Total	443	503	946
Grand total exclusive of repetition	421	431	852

CONSERVATORY REGISTRATION

*Seniors	2	8	10
*Juniors	6	13	19
*Sophomores	5	23	28
*Freshmen	9	28	37
Non-collegiate	13	28	41
Total	35	100	135

*Refers to collegiate rank. For Conservatory rank, see alphabetical list of names.

SUMMER SCHOOL REGISTRATION

Summer Session, 1929	64	100	164
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