

GERTRUDE MAGLOTT	Laboratory Technician
HELEN MAHAFFEY	Surgery
RUTH PUTNAM	Out-patient Nurse
MYRTLE REYNOLDS	Nurses Assistant
ANABELL SIEVERT	Floor Nurse
THELMA STEVENSON	Floor Nurse
NEDRA SWOPE	Receptionist
ROSE VARIAN	Nurses Aid
MARGARET WILSON	Floor Nurse

House Directors

MRS. LUCILLE ANDERSON	Alpha Phi
MRS. EDITH P. ARTHUR	Kappa Sigma
MRS. LESTER BAADÉ	Delta Zeta
MRS. AIMEE BAKER	Sigma Chi
MRS. DOROTHY BRENNAN	Johnston Hall
MRS. MARION COSTA	Delta Gamma
MRS. RUTH F. CRAWFORD	Phi Kappa Psi
MRS. MALISSA R. DEWAN	Men's Independent Society
MRS. RICHARD ECKER	Zeta Beta Tau
MRS. GEORGIA EWING	Alpha Gamma Delta
MRS. EVA FARMER	Gamma Phi Beta
MR. PELTON GOUDEY	Stadium Club
MRS. EDNA GRAMLY	Urschel Hall
MRS. CLARA HAMBRIGHT	Williams Hall
MRS. ESTER B. HAYNE	Sigma Nu
MISS MARY HOWEY	Shatzel Hall
MRS. KATHRYN INGALLS	Phi Delta Theta
MRS. GLADYS IRONSIDES	Phi Mu
MRS. ALICE LATHROP	Theta Xi
MRS. STANLEY MORRIS	Sigma Phi Epsilon
MRS. HELEN NEILL	Women's Independent Society
MRS. BLANCHE OWENS	Chi Omega
MRS. C. P. PATTERSON	Sigma Alpha Epsilon
MR. ELTON C. RINGER	Ivy Hall
MRS. R. B. RYER	Pi Kappa Alpha
MRS. VERA SHEPARD	Delta Upsilon
MRS. EDGAR SHIREY	Phi Kappa Tau
MRS. JOHN SMITH	Alpha Chi Omega
MRS. JANET SUTTON	Kappa Delta
MRS. MARTHA THEAKER	Alpha Delta Pi
MRS. MARIE B. THOMPSON	Delta Tau Delta
MR. HARMON VOSKUIL	East-West Halls
MRS. FAYE WALLEN	Kohl Hall
MRS. MELVA K. WEBB	Alpha Xi Delta
MR. RAYMOND WHITTAKER	Huts
MRS. B. JAMES WRIGHT	Alpha Tau Omega

University Police Force

RUSSELL M. BASCOM
JOHN W. CROM
DEWEY C. HARBIN

ALVA R. LEIN
HAROLD TRAVIS
RAYMOND H. WEBB

Faculty

RALPH W. McDONALD President (1951)*
B.A., Hendrix College; M.A., Ph.D., Duke University.

Emeriti

FRANK J. PROUT President Emeritus (1939)
B. Litt., Ohio Wesleyan University; Ped.D., Ohio University, Ohio Wesleyan University; LL.D., Miami University.

CAROLINE NIELSEN Professor Emeritus of Foreign Language (1918)
B.A., M.A., University of Nebraska.

CLAUDE D. PERRY Registrar Emeritus (1923)
B.A., Ohio Wesleyan University.

JOHN SCHWARZ Professor Emeritus of History (1923)
B.A., Miami University; M.A., University of Chicago.

Academic

WILBUR J. ABELL Associate Professor of Business Administration (1947)
B.S., James Millikin University; M.S., University of Illinois.

GERALD ACKER † Assistant Professor of Biology (1946)
B.A., Allegheny College; M.S., University of Oklahoma.

WILLIAM DON ALEXANDER Assistant Professor of Music (1946)
B.S.M., Mount Union College; M.S., North Texas State Teachers College.

WARREN S. ALLEN Assistant Professor of Music (1946)
B.M., Southwestern College; M.M., University of Michigan.

HAROLD ANDERSON Associate Professor of Health and
Physical Education (1942)

Director of Athletics; Basketball Coach

B.A., Otterbein College; M.A., University of Michigan.

IRIS E. ANDREWS Assistant Professor of Health
and Physical Education (1945)
B.S., Battle Creek College; M.A., University of Michigan.

FRANK C. ARNOLD Assistant Professor of Psychology (1948)
B.S., M.A., Ohio State University; Ph.D., Syracuse University.

FERREL ATKINS Assistant Professor of Mathematics (1950)
B.S. in Education, Eastern Illinois State College; M.S., University of Illinois;
Ph.D., University of Kentucky.

ROBERT T. AUSTIN Instructor of Industrial Arts (1946)
B.Ed., University of Toledo.

FLORENCE E. BAIRD Associate Professor of Foreign Language (1925)
B.S. in Education, Bowling Green State University; M.A., Ohio State University.

RUSSELL N. BAIRD Assistant Professor of Journalism (1947)
B.A., Kent State University; M.A., University of Wisconsin.

JOSEPH K. BALOGH Assistant Professor of Sociology (1949)
B.S. in Education, Pennsylvania State Teachers College at California; M.Litt.,
Ph.D., University of Pittsburgh.

*The year in parentheses is the date of first full-time appointment to a position at Bowling Green State University.

†On leave with the United States Armed Forces.

- CHARLES ALDEN BARRELL ----- *Professor of Political Science* (1940)
Chairman, Department of Political Science
 B.A., Hampden Sydney College; M.A., University of Virginia; Ph.D., Ohio State University.
- JAMES ROBERT BASHORE, JR. ----- *Instructor of English* (1948)
 B.S., University of Wisconsin; M.A., Bowling Green State University.
- ANTHONY B. BAYNARD ----- *Assistant Professor of Foreign Language* (1946)
 B.A., University of Scranton; M.A., Columbia University.
- RALPH L. BECK ----- *Associate Professor of Education* (1949)
 B.S., Indiana State Teachers College; M.S., Indiana University.
- BRUCE BELLARD ----- *Instructor of Health and Physical Education* (1948)
 B.S. in Education, Bowling Green State University.
- FLORENCE E. BENDER ----- *Assistant Professor of Home Economics* (1944)
Director, Nursery School
 B.A., Goshen College; M.S., Purdue University.
- HENRY BERTODATTO ----- *Instructor of Economics* (1947)
 B.Ed., Wisconsin State Teachers College at Whitewater; M.A., Northwestern University.
- ELIZABETH L. BLACKBURN ----- *Assistant Professor of Business Education* (1947)
 B.A., B.S. in Education, Ohio State University; M.Ed., University of Pittsburgh.
- J. ROBERT BLACKBURN ----- *Assistant Professor of Health and Physical Education* (1949)
Health Coordinator
 B.S. in Education, Wittenberg College; M.A., University of Alabama.
- RALPH F. BLANCO ----- *Instructor of Psychology* (1951)
 B.A., M.A., Bowling Green State University.
- PHYLLIS M. BLOSSER ----- *Instructor of Chemistry* (1950)
 B.A., Bowling Green State University; M.S., Ohio State University.
- ARLO D. BOGGS ----- *Instructor of Chemistry* (1949)
 B.S., Marietta College; M.S., Purdue University.
- WAYNE R. BOHRNSTEDT ----- *Associate Professor of Music* (1947)
 B.M., M.M., Northwestern University.
- ROBERT O. BONE ----- *Assistant Professor of Art* (1948)
 B.S. in Education, University of Illinois; M.A., Columbia University.
- DONALD W. BOWMAN ----- *Professor of Physics* (1943)
 B.A., Mount Union College; M.A., Ph.D., Ohio State University.
- J. RICHARD BOX ----- *Instructor of Business Administration* (1949)
 B.A., Bowling Green State University; M.B.A., University of Michigan.
- PRUDENCE L. BROWN ----- *Assistant Professor of Speech* (1947)
 B.F.A., University of Nebraska; M.A., University of Michigan.
- HENRY W. F. BRUNS ----- *Instructor of Mathematics* (1946)
 B.A., Defiance College; M.A., Bowling Green State University.
- JOSEPH C. BUFORD ----- *Assistant Professor of Geography* (1948)
 B.Ed., M.S. in Education, Illinois State Normal University.
- CARROLL W. CHEEK ----- *Assistant Professor of Business Administration* (1948)
 B.S. in Business Administration, Bowling Green State University; M.B.A., University of Michigan; Certified Public Accountant (Ohio).
- EDWARD SCOTT CLAFLIN ----- *Associate Professor of Political Science* (1947)
 B.A., Oberlin College; M.A., Ph.D., Yale University.
- JOHN R. COASH † ----- *Assistant Professor of Geology* (1949)
 B.A., Colorado College; M.A., University of Colorado.

†On leave of absence.

- MILAN H. COBBLE ----- *Assistant Professor of Engineering Drawing* (1949)
Chairman, Department of Engineering Drawing
 B.S. in Mechanical Engineering, University of Michigan.
- MARY VIRGINIA COCHRAN ----- *Assistant Professor of Home Economics* (1947)
 B.S., Ohio State University; M.S., University of Minnesota.
- J. RUSSELL COFFEY ----- *Associate Professor of Health and Physical Education* (1948)
 B.A., M.A., Ohio State University; Ed.D., New York University.
- JACOB COHEN ----- *Assistant Professor of Economics* (1950)
 B.A., University of Manitoba, Canada; M.A., University of Cincinnati; Ph.D., University of Chicago.
- GILBERT W. COOKE ----- *Professor of Business Administration* (1937)
 B.S., M.A., University of Minnesota; Ph.D., University of Wisconsin.
- SAMUEL M. COOPER ----- *Associate Professor of Health and Physical Education* (1946)
Chairman, Department of Health and Physical Education;
Swimming Coach
 B.A., Oberlin College; M.A., New York University.
- WAYNE F. CORNELL ----- *Associate Professor of Mathematics* (1943)
 B.S. in Education, Bowling Green State University; M.A., Ohio State University.
- BETTY J. CORWIN ----- *Assistant Professor of Psychology* (1950)
 B.A., M.A., University of Chicago; Ph.D., Ohio State University.
- PAUL E. COWGILL ----- *Instructor of Engineering Drawing* (1948)
 M.E., Ohio State University.
- FORREST CREASON ----- *Assistant Professor of Health and Physical Education* (1951)
 B.A., Findlay College; M.S. in Education, Bowling Green State University.
- W. ROBERT CRIDER ----- *Instructor of Education* (1951)
Assistant to Dean, College of Education
 B.S. in Social Administration, Ohio State University; M.Ed., Bowling Green State University.
- DANIEL J. CROWLEY ----- *Professor of Graphic Arts* (1919)
Chairman, Department of Graphic Arts
 B.S., Columbia University; M.Ph., University of Wisconsin.
- JESSE J. CURRIER ----- *Associate Professor of Journalism* (1940)
Chairman, Department of Journalism
 B.A., Ohio Wesleyan University; M.A., Ohio State University.
- R. THELMA D'ALMAINE ----- *Assistant Professor of Biology* (1946)
 B.A., Westminster College; M.A., Columbia University.
- JOHN R. DAVIDSON ----- *Assistant Professor of Business Administration* (1946)
 B.S. in Education, Bowling Green State University; M.S. in Retailing, New York University.
- E. EUGENE DICKERMAN ----- *Professor of Biology* (1936)
 B.A., Grand Island College; M.A., Ph.D., Northwestern University.
- MARY CAROL DITTMAN ----- *Instructor of English* (1949)
 B.S., M.A., University of Pittsburgh.
- MABEL E. DRENNAN ----- *Associate Professor of Foreign Language* (1946)
 B.A. M.A., Ohio Wesleyan University.
- GRACE DURRIN ----- *Associate Professor of English* (1925)
 B.A., Hope College; M.A., University of Michigan.

- JUNE M. DWYER ----- *Instructor of Music* (1951)
B.M., M.M., Drake University.
- RICHARD ECKER ----- *Instructor of Music* (1948)
B.S. in Education, M.A., Ohio State University.
- GERTRUDE EPPLER ----- *Associate Professor of Health
and Physical Education* (1941)
B.S., Michigan State Normal College; M.S., University of Michigan.
- MARY LOUISE EVERLY ----- *Instructor of Biology* (1948)
B.A., Indiana University; M.A., Stanford University.
- LEON E. FAULEY ----- *Associate Professor of Music* (1930)
B.A., Wichita University; B.M., University of Kansas; M.A., Columbia University.
- BARTON G. FETTERMAN ----- *Instructor of Mathematics* (1946)
B.S. in Education, M.A., Ohio State University.
- MYLEN E. FITZWATER ----- *Associate Professor of Psychology* (1948)
B.S. in Education, M.A., Ph.D., Ohio State University.
- MERLE E. FLAMM ----- *Instructor of Physics* (1948)
B.A., Ashland College; M.A., University of Michigan.
- LYLE REXFORD FLETCHER ----- *Assistant Professor of Geography* (1946)
B.A., Ohio University; M.A., Ohio State University.
- GILES R. FLOYD ----- *Associate Professor of English* (1948)
B.A., Wofford College; M.A., Vanderbilt University; Ph.D., State University of Iowa.
- DOROTHY L. FORNIA ----- *Assistant Professor of Health
and Physical Education* (1947)
B.S. in Education, M.A., Ohio State University.
- CECIL M. FREEBURNE ----- *Associate Professor of Psychology* (1948)
B.S. in Education, Kansas State Teachers College of Emporia; M.A., Ph.D., State University of Iowa.
- JOHN E. GEE ----- *Professor of Education* (1946)
Director, Secondary Education
B.A., Tusculum College; M.Ed., Ed.D., University of Pittsburgh.
- RALPH H. GEER ----- *Assistant Professor of Education* (1948)
Veterans' and New Students' Counselor;
Director, Bureau of Appointments
B.A., Defiance College; M.A., Ohio State University.
- MARTHA M. GESLING ----- *Associate Professor of Education* (1946)
Director, Education Clinic
B.A., Ohio Northern University; M.A., Ohio State University; Ph.D., Duke University.
- A. BRUCE GRAHAM ----- *Associate Professor of Speech* (1951)
Director, Speech and Hearing Clinic and Cerebral Palsy Center
B.A., Colorado State College of Education; M.A., University of Denver.
- ALICE GREINER ----- *Assistant Professor of Speech* (1949)
B.S. in Education, University of Cincinnati; M.S. in Education, Bowling Green State University.
- ANNA N. GRYTING ----- *Assistant Professor of Mathematics* (1927)
B.S., University of Minnesota; M.A., Columbia University.
- EARL C. HACKBARTH ----- *Associate Professor of Psychology* (1947)
B.S., State University of Iowa; M.S., Purdue University.
- J. VILLASANA HAGGARD ----- *Associate Professor of Foreign
Language* (1947)
B.A., M.A., Ph.D., University of Texas.
- W. HEINLEN HALL ----- *Professor of Chemistry* (1936)
B.A., Muskingum College; Ph.D., Ohio State University.

- CARL W. HALLBERG ----- *Assistant Professor of Biology* (1951)
B.S., M.S., University of Michigan.
- AVERILL J. HAMMER ----- *Associate Professor of Chemistry* (1946)
B.S., Parsons College; M.S., Ph.D., Iowa State College of Agriculture and Mechanic Arts.
- HAROLD T. HAMRE ----- *Assistant Professor of Biology* (1946)
B.S., M.S., University of Wisconsin.
- GEORGE M. HANKEY ----- *Assistant Professor of
Business Education* (1946)
B.S., M.S. in Education, Bowling Green State University.
- MARCUS A. HANNA † ----- *Laboratory Instructor of Chemistry* (1946)
B.A., B.S. in Education, Bowling Green State University.
- RALPH G. HARSHMAN ----- *Professor of Business
Administration* (1936)
Dean of Administration
B.S. in Education, Ohio Northern University; M.A., Ph.D., Ohio State University.
- DALE HAVEN ----- *Associate Professor of Music* (1948)
B.S. in Education, M.A., Ohio State University.
- LLOYD A. HELMS ----- *Professor of Economics* (1938)
Chairman, Department of Economics
B.A., Depauw University; M.A., Ph.D., University of Illinois.
- HELEN W. HENDERSON ----- *Associate Professor of Home
Economics* (1925)
B.Ph., University of Chicago; M.A., Columbia University.
- JOHN H. HEPLER ----- *Instructor of Speech* (1949)
B.A., M.A., Ohio Wesleyan University.
- LAURA E. HESTON ----- *Professor of Home Economics* (1918)
Chairman, Department of Home Economics
B.S., Ohio State University; M.S., University of Chicago.
- J. LEVAN HILL ----- *Associate Professor of Industrial Arts* (1948)
B.S. in Education, Pennsylvania State Teachers College at California; M.Ed., Pennsylvania State College.
- JOSEPH E. HIMMEL ----- *Assistant Professor of Music* (1947)
B.A., North Central College; M.M., Northwestern University.
- CLYDE HISSONG** ----- *Professor of Education* (1923)
B.S. in Education, Miami University; M.A., Columbia University; Ph.D., Ohio State University.
- JAMES E. HOF ----- *Instructor of Speech* (1951)
B.A., M.A., Bowling Green State University.
- FLOYD R. HOFACKER ----- *Instructor of Industrial Arts* (1947)
B.S. in Education, M.S. in Education, Bowling Green State University.
- ELEANOR E. HRUBY ----- *Assistant Professor of Home
Economics* (1948)
B.S., Ohio University; M.S., University of Washington.
- ROBERT ROGERS HUBACH ----- *Associate Professor of English* (1947)
B.A., University of Kansas City; M.A., University of Colorado; Ph.D., Indiana University.
- HOWARD B. HUFFMAN ----- *Assistant Professor of Business
Administration* (1948)
B.S. in Education, Wilmington College; M.B.A., University of Denver.
- WAYNE S. HUFFMAN ----- *Associate Professor of History* (1938)
B.A., Findlay College; M.A., University of Michigan.

†On leave with the United States Armed Forces.

**On leave of absence.

- R. LYNN HUTCHISON ----- *Associate Professor of Biology* (1946)
B.A., College of Wooster; M.A., Ohio University; Ph.D., Northwestern University.
- MYRTLE JENSEN ----- *Associate Professor of Music* (1938)
B.M., St. Olaf College; B.M., American Conservatory; M.M., University of Rochester.
- OLDRICH JICHA ----- *Assistant Professor of Business Administration* (1949)
B.A., Western Reserve University; M.B.A., Harvard University.
- MADGE E. JOHNSON ----- *Associate Professor of Home Economics* (1937)
B.S., University of Arkansas; M.A., Columbia University.
- PAUL W. JONES ----- *Assistant Professor of Journalism* (1941)
Director, News Bureau
B.A., Ohio Wesleyan University.
- WILLIAM C. JORDAN ----- *Associate Professor of Education* (1925)
B.S. in Education, M.A., Ohio State University.
- HOWARD H. KANE ----- *Associate Professor of Business Administration* (1946)
B.S., University of Dayton; B.S. in Education, M.A., Ohio State University.
- LOWRY B. KARNES ----- *Associate Professor of Geography* (1945)
Chairman, Department of Geography
B.A., Muskingum College; M.A., Ph.D., Ohio State University.
- NORMAN C. KEIG ----- *Instructor of Economics* (1949)
B.A., Ohio University; M.A., University of Michigan.
- JAMES PAUL KENNEDY ----- *Professor of Music* (1936)
Director, Choral Activities
B.A., William Penn College; B.M.Ed., M.M., Northwestern University; Ph.D., State University of Iowa.
- PHILIP ALFRED KINT ----- *Instructor of Chemistry* (1947)
B.A., Findlay College; M.S., Ohio State University.
- EDWIN G. KNEPPER ----- *Professor of Business Education* (1923)
Chairman, Department of Business Education
B.A., B.S. in Education, Ohio State University; Ed.D., Harvard University.
- DAVID M. KRABILL ----- *Professor of Mathematics* (1946)
B.A., College of Wooster; M.A., Ph.D., Ohio State University.
- CHARLES J. LAKOFSKY ----- *Assistant Professor of Art* (1948)
B.F.A., Alfred University; M.A., Ohio State University.
- DONALD E. LATHROPE ----- *Assistant Professor of Sociology* (1950)
B.A., Wagner College; M.A., Brooklyn College; M.S., Columbia University.
- PAUL F. LEEDY ----- *Professor of English* (1938)
Chairman, Department of Library Science; Librarian
B.A., B.A. in Library Science; M.A., Ph.D., University of Michigan.
- LOWELL P. LELAND ----- *Associate Professor of English* (1946)
B.A., Colby College; M.A., University of Maine; Ph.D., Ohio State University.
- HERSCHEL LITHERLAND ----- *Professor of Education* (1941)
Dean, College of Education
B.A., Greenville College; M.A., University of South Dakota; Ph.D., University of Cincinnati.
- DONALD S. LONGWORTH ----- *Assistant Professor of Sociology* (1949)
B.S. in Education, M.A., Bowling Green State University.
- SAMUEL HARMAN LOWRIE ----- *Professor of Sociology* (1939)
B.A., Rice Institute; M.A., Ph.D., Columbia University.
- DOROTHY M. LUEDTKE ----- *Instructor of Health and Physical Education* (1950)
B.S. in Education, M.S. in Education, Bowling Green State University.

- REA MCCAIN ----- *Professor of English* (1914)
Chairman, Department of English
B.A., National Normal University; B.A., Antioch College; M.A., Columbia University; Ph.D., New York University.
- ROBERT STANLEY MCCORDOCK ----- *Professor of History* (1947)
B.A., Syracuse University; M.A., University of Buffalo; Ph.D., Columbia University.
- MERRILL C. MCEWEN ----- *Professor of Music* (1921)
Chairman, Department of Music
B.S. in Education, Colurabia University; M.A., Ohio State University.
- KENNETH H. MCFALL ----- *Professor of Psychology* (1943)
Dean, College of Liberal Arts
B.S., Mount Union College; M.A., Ph.D., Western Reserve University.
- ROBERT E. MCKAY ----- *Assistant Professor of Physics* (1944)
B.A., M.S., Ohio State University.
- GERALD MCLAUGHLIN ----- *Assistant Professor of Music* (1946)
Former Concertmaster, Toledo Orchestra.
- WILLIAM J. MCLENNAND ----- *Instructor of Psychology* (1948)
B.A., University of Pittsburgh; M.A., University of Toledo.
- FREDERICK R. MCLEOD ----- *Instructor of English* (1947)
B.A., Bowling Green State University; M.A., University of Detroit.
- LEWIS F. MANHART ----- *Associate Professor of Business Administration* (1937)
B.S. in Education, Bowling Green State University; M.A., Ohio State University.
- ANN MARLEY ----- *Assistant Professor of Music* (1948)
B.M., Cosmopolitan School of Music; M.M., Northwestern University.
- CLARE S. MARTIN ----- *Professor of Chemistry* (1923)
Chairman, Department of Chemistry
B.S., M.A., Ph.D., Ohio State University.
- WAYNE D. MARTIN ----- *Instructor of Geology* (1951)
B.S., Marietta College; M.S., West Virginia University.
- HARRY R. MATHIAS ----- *Associate Professor of Mathematics* (1931)
B.A., Indiana Central College; M.A., Indiana University.
- DAVID MATTHEWS ----- *Assistant Professor of Health and Physical Education* (1947)
Track Coach; Intramural Director
B.S., M.S., University of Michigan.
- SAMUEL M. MAYFIELD ----- *Professor of Geology* (1936)
Chairman, Department of Geology
B.S., B.A., Berea College; Ph.D., University of Chicago.
- RALPH E. MEAD ----- *Assistant Professor of Speech* (1947)
B.A., College of Wooster; M.A., University of Michigan.
- ELIZABETH A. MENZI ----- *Instructor of Health and Physical Education* (1950)
B.A., Oberlin College; M.A., Bowling Green State University.
- FRANK G. MESERVE ----- *Associate Professor of Biology* (1945)
B.A., University of Nebraska; M.A., Northwestern University; Ph.D., University of Nebraska.
- FRANK L. MIESLE ----- *Assistant Professor of Speech* (1948)
B.A., M.A., Bowling Green State University.
- M. HAROLD MIKLE ----- *Assistant Professor of Speech* (1947)
B.A., Western Michigan College; M.A., University of Michigan.
- MARGARET N. MILLER ----- *Instructor of Health and Physical Education* (1949)
B.S. in Education, Bowling Green State University.

- C. EDWARD SCHUMACHER ----- *Instructor of Industrial Arts* (1947)
B.S. in Education, M.S. in Education, Bowling Green State University.
- EMERSON C. SHUCK ----- *Professor of English* (1943)
Dean, Graduate School
B.S., Otterbein College; M.A., Ohio State University; Ph.D., University of Wisconsin.
- BERTIL G. F. SIMA ----- *Associate Professor of Foreign Language* (1946)
B.A., State Experimental College, Stockholm, Sweden; M.A., Ph.D., University of Leipzig, Germany.
- WILLARD E. SINGER ----- *Professor of Physics* (1927)
Chairman, Department of Physics
B.S., Capital University; B.E.E., M.A., Ph.D., Ohio State University.
- ELDEN T. SMITH ----- *Professor of Speech* (1940)
Chairman, Department of Speech and Dramatic Arts;
Director, University Theatre
B.A., Ohio Wesleyan University; M.A., Ph.D., Western Reserve University.
- GEORGE R. SNYDER ----- *Assistant Professor of Education* (1949)
Director, University Elementary School
B.A., Heidelberg College; M.A., Ph.D., Ohio State University.
- HARRY SPANGLER ----- *Associate Professor of Music* (1947)
B.S., M.A., Ph.D., University of North Dakota.
- HAROLD GLENDON STEELE ----- *Assistant Professor of English* (1946)
Assistant to Dean, College of Liberal Arts
B.A., Northwestern University; M.A., Ohio State University.
- ROBERT A. STEFFES ----- *Assistant Professor of Journalism* (1951)
B.S., South Dakota State College; M.S., Syracuse University.
- WALDO E. STEIDTMANN ----- *Professor of Biology* (1936)
Chairman, Department of Biology
B.A., University of Wisconsin; M.S., Ph.D., University of Michigan.
- WARREN E. STELLER ----- *Professor of Health and Physical Education* (1924)
Baseball Coach
B.A., Oberlin College; M.A., Columbia University.
- ROBERT E. STINSON ----- *Instructor of Art* (1949)
B.F.A., University of Illinois; M.A., M.F.A., State University of Iowa.
- HUBERT P. STONE ----- *Assistant Professor of Library Science* (1946)
B.A., Ohio Northern University; B.S. in Library Science, Western Reserve University; M.A., Oberlin College.
- SYDNEY C. STONE ----- *Associate Professor of Speech* (1944)
Director, Radio Station WBGU
B.A., M.A., Ohio Wesleyan University.
- GALEN STUTSMAN ----- *Associate Professor of Business Education* (1950)
B.S. in Education, M.A., Ph.D., Ohio State University.
- C. GLENN SWANSON ----- *Professor of Sociology* (1934)
Chairman, Department of Sociology
B.A., M.A., Colorado State College of Education; Ph.D., New York University.
- JACQUELINE E. TIMM ----- *Associate Professor of Political Science* (1946)
B.A., M.A., Ph.D., University of Texas.
- MAE A. TINDALL ----- *Assistant Professor of Education* (1941)
B.A., Willamette University; M.A., Columbia University.
- HAROLD E. TINNAPPEL ----- *Assistant Professor of Mathematics* (1949)
B.S. in Education, M.A., Ohio State University.
- AMY TORGERSON ----- *Instructor of Health and Physical Education* (1948)
B.S., Central Missouri State Teachers College; M.A., New York University.

- ROLAND M. TORGERSON ----- *Professor of Industrial Arts* (1947)
Chairman, Department of Industrial Arts
B.S., M.A., University of Minnesota.
- ARTHUR B. TRELSTAD ----- *Instructor of Sociology* (1948)
B.A., Hofstra College; M.A., New York University.
- BETTY JEAN TROEGER ----- *Instructor of Music* (1946)
B.S. in Education, Bowling Green State University; M.M., Northwestern University.
- TOM HOLLINGSWORTH TUTTLE ----- *Professor of Philosophy* (1946)
Chairman, Department of Philosophy
B.A., M.A., University of Texas; Ph.D., University of Southern California.
- ROBERT W. TWYMAN ----- *Assistant Professor of History* (1948)
B.A., Indiana University; M.A., Ph.D., University of Chicago.
- LELAND S. VAN SCOYOC ----- *Associate Professor of Economics* (1946)
B.S., M.S., Kansas State College.
- MARTHA M. VERDA ----- *Instructor of Health and Physical Education* (1951)
B.A., Oberlin College.
- HARMON VOSKUIL ----- *Associate Professor of Economics* (1946)
B.A., Hope College; M.A., University of Minnesota.
- WILLIAM S. WAGNER ----- *Assistant Professor of Education* (1947)
Director, Elementary Student Teaching
B.S. in Education, M.A., Ohio State University.
- WILLARD F. WANKELMAN ----- *Associate Professor of Art* (1946)
Chairman, Department of Art
B.S. in Education, M.A., Ohio State University.
- ANTHONY P. WAURO ----- *Instructor of Art* (1950)
B.F.A., M.F.A., School of the Art Institute of Chicago.
- J. ELLIOTT WEBER ----- *Professor of Chemistry* (1937)
B.A., M.A., Ph.D., Indiana University.
- WILLIAM J. WEIERSHEUSER ----- *Assistant Professor of Foreign Language* (1947)
B.A., Nebraska State Teachers College at Wayne; M.A., University of Nebraska.
- LOIS M. WELLOCK ----- *Assistant Professor of Health and Physical Education* (1948)
B.S., Michigan State Normal College; M.S., University of Michigan; Registered Physical Therapist, Northwestern University.
- JOHN EVERETT WENRICK ----- *Professor of Psychology* (1947)
Chairman, Department of Psychology
B.A., M.A., Ph.D., Ohio State University.
- ROBERT H. WHITTAKER ----- *Assistant Professor of Health and Physical Education* (1941)
Football Coach
B.S. in Education, Miami University; M.A., Bowling Green State University.
- E. ELOISE WHITWER ----- *Assistant Professor of Biology* (1946)
B.A., Grand Island College; M.A., University of Nebraska.
- PHILIP R. WIGG ----- *Instructor of Art* (1948)
B.A., Park College; M.F.A., State University of Iowa.
- FRANCIS F. WILCOX ----- *Instructor of Music* (1949)
B.A., M.A., State University of Iowa.
- ALLEN V. WILEY ----- *Assistant Professor of Economics* (1946)
B.A., M.A., Lafayette College.
- BETTY JANE WILHELM ----- *Instructor of Health and Physical Education* (1951)
B.S., University of Wisconsin; M.A., University of Michigan.

- VIOLA WILLEKE ----- *Instructor of English* (1946)
B.S. in Education, Ohio Northern University; M.A., University of Michigan.
- FLORENCE J. WILLIAMSON ----- *Professor of Education* (1926)
B.A., Cedarville College; M.A., Ph.D., Ohio State University.
- EMORY O. WINDREM ----- *Instructor of Speech* (1950)
B.A., M.A., State University of Iowa.
- E. HARRY WOHLER ----- *Assistant Professor of Mathematics* (1946)
B.A., Wittenberg College; M.A., University of Toledo.
- BERNARD J. WRIGHT ----- *Instructor of English* (1949)
B.A., M.A., University of Michigan.
- JAMES CLYDE WRIGHT ----- *Assistant Professor of Psychology* (1947)
Director, Psychology Clinic
B.A., Muskingum College; M.A., Ohio State University.
- ROBERT A. WYKES ----- *Instructor of Music* (1950)
B.M., M.M., University of Rochester.
- RAYMOND YEAGER † ----- *Instructor of Speech* (1950)
B.S. in Education, M.A., Bowling Green State University.
- MARGARET YOCOM ----- *Associate Professor of Library Science* (1929)
B.A., Oberlin College; B.S. in Library Science, Western Reserve University.
- CHARLES W. YOUNG ----- *Professor of Education* (1945)
Director, Elementary Education
B.A., Ohio Wesleyan University; M.A., Ph.D., Ohio State University.
- WALTER A. ZAUGG ----- *Professor of Education* (1923)
Chairman, Department of Education; University Orator
B.A., Valparaiso University; B.A., Indiana University; M.A., Columbia University;
Ph.D., New York University.
- WILLIAM W. ZORBACH ----- *Instructor of Chemistry* (1951)
B.S., Bowling Green State University; Ph.D., McGill University.
- ARTHUR ZUELZKE ----- *Assistant Professor of Music* (1944)
Director, Wind Instruments
B.S., University of Cincinnati; M.A., University of Michigan.

Military Science and Tactics

- WILLIAM C. LUCAS ----- *Professor of Military Science and Tactics* (1948)
B.S., United States Military Academy; Infantry School; Artillery School; Command and General Staff School. Colonel, U. S. Army.
- JOHN G. MCNAMARA ----- *Assistant Professor of Military Science and Tactics* (1951)
B.S., United States Military Academy; Artillery School. Major, U. S. Army.
- HARVEY C. OLSON ----- *Assistant Professor of Military Science and Tactics* (1951)
B.S., Colorado Agricultural and Mechanical College; Field Artillery School. Captain, U. S. Army.
- RALPH M. CRALEY ----- *Assistant Professor of Military Science and Tactics* (1950)
B.S. in Commerce, Temple University; Artillery School. First Lieutenant, U. S. Army.
- ROBERT C. UNTERBRINK ----- *Instructor of Military Science and Tactics* (1950)
Artillery School; Armored School; Adjutant General's School. Chief Warrant Officer, U. S. Army.

†On leave with the United States Armed Forces.

- HUGH A. SIMPSON ----- *Instructor of Military Science and Tactics* (1950)
Artillery School. Master Sergeant, U. S. Army.
- HOWELL TAYLOR ----- *Instructor of Military Science and Tactics* (1948)
Artillery School. Master Sergeant, U. S. Army.
- LEWIS G. MAYHEW ----- *Instructor of Military Science and Tactics* (1949)
Sergeant First Class, U. S. Army.
- WILLIAM A. SCHMUCK ----- *Instructor of Military Science and Tactics* (1949)
Ordnance School. Sergeant, U. S. Army.

Air Science and Tactics

- LUTHER M. BIVINS ----- *Professor of Air Science and Tactics* (1951)
Air Command and Staff School; Air War College. Colonel, U. S. Air Force.
- JOHN C. WRETSCHKO ----- *Assistant Professor of Air Science and Tactics* (1951)
Air Force Advance Flying School; Air Command and Special Staff School. Lieutenant Colonel, U. S. Air Force.
- W. L. WOOD, JR. ----- *Assistant Professor of Air Science and Tactics* (1951)
Officer Candidate School; Air Command and Staff School. Captain, U. S. Air Force.
- CLINTON R. SHIPLEY ----- *Instructor of Air Science and Tactics* (1951)
Air Force Administration School. Master Sergeant, U. S. Air Force.
- ROBERT D. TROUTMAN ----- *Instructor of Air Science and Tactics* (1951)
Air Force ROTC Instructors School. Master Sergeant, U. S. Air Force.
- ROYAL O. KIMBELL ----- *Instructor of Air Science and Tactics* (1951)
Air Force ROTC Instructors School. Technical Sergeant, U. S. Air Force.

Library Staff

- PAUL F. LEEDY ----- *Librarian* (1938)
B.A., B.A. in Library Science, M.A., Ph.D., University of Michigan.
- CATHERINE ELLIS ----- *Acquisitions Librarian* (1948)
B.S. in Education, Ohio Northern University; B.S. in Library Science, Western Reserve University.
- ROBERT E. HAZELTINE ----- *Assistant Cataloger* (1950)
B.A., University of Akron; M.S. in Library Science, Western Reserve University.
- RUTH KILMER ----- *Periodicals Librarian* (1947)
B.S. in Education, Duquesne University; B.S. in Library Science, Western Reserve University.
- RUBY L. KING ----- *Documents Librarian* (1928)
B.A., Hillsdale College; B.A. in Library Science, University of Michigan.
- VIRGINIA MERRELL ----- *Library Circulation Manager* (1947)
B.A., Bowling Green State University.

- SYLVIA RICHARDS ----- *Reference Librarian* (1947)
B.A., Ohio Wesleyan University; B.A. in Library Science, University of Michigan;
M.A., Ohio State University.
- DOROTHY S. STOCKTON ----- *Library Assistant* (1949)
B.S. in Education, Miami University.
- HUBERT P. STONE ----- *Reference Librarian* (1946)
B.A., Ohio Northern University; B.S. in Library Science, Western Reserve Un-
iversity; M.A., Oberlin College.
- RANGHILD N. STONE ----- *Library Assistant* (1949)
B.A., M.A., Oberlin College.
- MARGARET YOCOM ----- *Associate Librarian* (1929)
B.A., Oberlin College; B.S. in Library Science, Western Reserve University.

Cerebral Palsy Center

- A. BRUCE GRAHAM ----- *Director* (1951)
B.A., Colorado State College of Education; M.A., University of Denver.
- PRUDENCE L. BROWN ----- *Speech Therapist* (1947)
B.F.A., University of Nebraska; M.A., University of Michigan.
- EDNA E. FISCUS ----- *Physical Therapist* (1949)
B.S. in Education, Bowling Green State University; Registered Physical Therapist,
Mayo Clinic.
- LOIS ANNE MACDONALD ----- *Occupational Therapist* (1951)
B.Des., M.Des., University of Michigan; Registered Occupational Therapist, Wayne
University.

Part-time Apointments

- HENRIETTA S. BAYNARD ----- *Instructor of Foreign Language*
B.A., Capital University; M.A., Ohio State University.
- LENORA GUTSTEIN COHEN ----- *Instructor of Music*
B.M., Indiana University; M.M., University of Rochester.
- THOMAS CURTIS ----- *Instructor of Music*
B.A., University of Michigan; S.T.B., Boston University.
- HERMAN A. DENNIS ----- *Instructor of Music*
- VERNON B. DUNHAM† ----- *Assistant Instructor of Health
and Physical Education*
Assistant Football Coach
B.S. in Education, Bowling Green State University.
- DAVID S. GLASMIRE ----- *Instructor of Music*
B.M., M.M., Cincinnati Conservatory of Music.
- CLAUDE OTTO ----- *Lecturer of Business Law*
LL.B., University of Toledo.
- HERBERT J. OYER ----- *Assistant Professor of Speech*
B.A., Bluffton College; M.S. in Education, Bowling Green State University.
- ROBERT G. RIEGLE ----- *Lecturer of Business Law*
B.S. in Education, Bowling Green State University; LL.B., Ohio State University.
- DANIEL W. REDDIN, III ----- *Lecturer of Business Law*
B.A., Oberlin College; J.D., University of Michigan.
- RAYMOND C. WHITTAKER ----- *Assistant Instructor of Health
and Physical Education*
Assistant Football Coach
B.S. in Education, Bowling Green State University.

†On leave with the United States Armed Forces.

Graduate Assistants

- LOIS C. ALBERTS ----- *Sociology*
B.A., Bowling Green State University.
- DAVID D. ANDERSON ----- *Geography and Geology*
B.S. in Education, Bowling Green State University.
- MARILYNN D. ARNER ----- *English*
B.S. in Education, Bowling Green State University.
- RICHARD L. BARNES ----- *Political Science*
B.S. in Education, Bowling Green State University.
- JOE D. BECKER ----- *Biology*
B.S., B.S. in Education, Bowling Green State University.
- GEORGE A. BENDER ----- *Health and Physical Education*
B.S., Michigan State College.
- NORMAN V. BLALOCK ----- *Speech*
B.A., Wittenberg College.
- LEE G. BURCHINAL ----- *Sociology*
B.A., Otterbein College.
- LOIS BURKART ----- *Business Education*
B.A., Ohio University.
- DOMINIC D. CIRINO ----- *Biology*
B.S., B.S. in Education, Bowling Green State University.
- PAULINE D. CIRINO ----- *Biology*
B.S., B.S. in Education, Bowling Green State University.
- MORTON B. DEBROFF ----- *Psychology*
B.S., University of Pittsburgh.
- GENE H. DENT ----- *English*
B.A., Bowling Green State University.
- DAVID DIEDRICK ----- *History*
B.A., B.S. in Education, Bowling Green State University.
- RICHARD L. DOLL ----- *Speech*
B.A., Bowling Green State University.
- RICHARD E. DRDEK ----- *Education*
B.A., Penn College.
- JUDSON D. ELLERTSON ----- *Speech*
B.A., B.S. in Education, Bowling Green State University.
- CHARLES FASNAUGH ----- *Speech*
B.S. in Education, Bowling Green State University.
- MIRIAM K. GOUDEY ----- *Philosophy*
B.A., Bowling Green State University.
- MARJORY J. GRAHAM ----- *Psychology*
B.A., Bowling Green State University.
- GILBERTE GREINER ----- *Foreign Language*
B.A., Bowling Green State University.
- HAROLD L. HAKES ----- *Education*
B.S. in Education, Bowling Green State University.
- DOUGLAS E. HARTZELL ----- *Education*
B.S. in Education, Bowling Green State University.
- JOHN E. HELFRICH ----- *Education*
B.S. in Education, Bowling Green State University.
- DALE C. HERBERT ----- *Health and Physical Education*
B.S. in Education, Bowling Green State University.
- KENNETH R. HILLE ----- *Biology*
B.S., Wagner Memorial Lutheran College.

- ROSE HEALY ----- *Supervising Teacher, Fourth Grade* (1924)
B.S. in Education, Bowling Green State University.
- LOLA H. MERCER ----- *Supervising Teacher, Kindergarten* (1948)
B.A., Ohio State University; M.A., Bowling Green State University.
- MIRIAM MEYERS ----- *Supervising Teacher, Fourth Grade* (1949)
B.S. in Education, Ohio State University.
- ELLEN H. SCHMUCK ----- *Supervising Teacher, Second Grade* (1948)
B.S. in Education, Bowling Green State University.
- MARGUERITE YOUNG ----- *Supervising Teacher, First Grade* (1923)
B.S. in Education, Bowling Green State University; M.A., Ohio State University.

South Main Street School†

- MARTHA CARTER ----- *Supervising Teacher, Second Grade* (1948)
B.S. in Education, Bowling Green State University.
- ROSANNA DUNN ----- *Supervising Teacher, Fourth Grade* (1947)
B.S. in Education, Bowling Green State University.
- RUTH EISENHOUR ----- *Supervising Teacher, First Grade* (1945)
B.S. in Education, Bowling Green State University.
- ELLEN FULLER ----- *Supervising Teacher, Third and Fourth Grades* (1940)
B.S. in Education, Bowling Green State University.
- BESS MCCLISH ----- *Principal and Supervising Teacher,
Sixth Grade* (1927)
B.S. in Education, Bowling Green State University.
- MARTHA RUBRAKE ----- *Supervising Teacher, Fifth Grade* (1931)
B.S. in Education, Bowling Green State University.
- MARGARET SHADDIX ----- *Supervising Teacher, Fifth and
Sixth Grades* (1951)
B.A., M.A., University of Michigan.
- DORA TITUS ----- *Supervising Teacher, First and Second Grades* (1950)
B.S. in Education, Bowling Green State University.
- AMY TREASE ----- *Supervising Teacher, Third Grade* (1950)
B.S. in Education, Bowling Green State University.

Bowling Green Junior High School†

- ERNEST N. LITTLETON ----- *Principal* (1930)
B.A., Miami University; M.A., Columbia University.
- CLAYTON R. COOK ----- *Supervising Teacher, Physical Education* (1934)
B.A., Marietta College; M.A., Ohio State University.
- VELMA COOPER ----- *Supervising Teacher, Home Economics* (1950)
B.S. in Education, Ohio University.
- ELIZABETH D. GELVIN ----- *Supervising Teacher, English* (1930)
B.S. in Education, M.A., Ohio State University.
- BERNARD GORMAN ----- *Supervising Teacher, Mathematics* (1950)
B.A., Fairmont State College.
- ROY V. HILTY ----- *Supervising Teacher, Vocal Music* (1928)
B.A., Bluffton College; M.A., Ohio State University.
- ELIZABETH E. INMANN ----- *Supervising Teacher, Science* (1929)
B.S. in Education, M.A., Ohio State University.
- HERSCHEL JOHNSTON ----- *Supervising Teacher, Industrial Arts* (1951)
B.S. in Education, Bowling Green State University.
- THOMAS KINKADE ----- *Supervising Teacher, Social Studies* (1949)
B.S. in Education, Ohio State University.
- LAURABEL MOONEY ----- *Supervising Teacher, Physical Education* (1941)
B.S. in Education, Ohio State University.

†These teachers are employed by the affiliated Bowling Green city schools.

- REX MOORHEAD † ----- *Supervising Teacher, Mathematics* (1948)
B.S. in Education, Bowling Green State University.
- JEANNINE C. MORRIS ----- *Supervising Teacher, Physical Education* (1951)
B.S. in Education, Bowling Green State University.
- R. EUGENE MORSE ----- *Supervising Teacher, History* (1930)
B.A., Western Michigan College of Education; M.A., Columbia University.
- FERRIS W. MYRICE ----- *Supervising Teacher, Science* (1929)
B.A., Defiance College; M.A., Ohio State University.
- NELLIE M. RANDALL ----- *Supervising Teacher, English* (1929)
B.S. in Education, Bowling Green State University; M.A., Columbia University.
- HAZEL V. UNDERHILL ----- *Supervising Teacher, English* (1930)
B.A., Michigan State Normal College; M.A., University of Michigan.
- JEAN SAMPSON WEESTON ----- *Supervising Teacher, Mathematics* (1948)
B.S. in Education, Bowling Green State University.
- WILLIAM H. WEESTON ----- *Supervising Teacher, Business Education* (1946)
B.S. in Education, Bowling Green State University; M.A., Columbia University.

Bowling Green Senior High School**

- JOHN W. PARLETTE ----- *Principal* (1937)
B.A., Ohio Wesleyan University; M.A., Cornell University.
- WALTER A. ALEXANDER ----- *Supervising Teacher, Agriculture* (1924)
B.S. in Agriculture, M.A., Ohio State University.
- ELMER L. BOYLES ----- *Supervising Teacher, Mathematics* (1916)
B.A., Otterbein College; M.A., Ohio State University.
- JOHN LAWRENCE CLARKE ----- *Supervising Teacher, Biology* (1940)
B.A., Ohio Wesleyan University; M.A., Ohio State University.
- KENNETH C. DOEHRING ----- *Supervising Teacher,
Business Education* (1939)
B.S. in Education, Bowling Green State University; M.A., Columbia University.
- ALMA JEAN FAROO ----- *Supervising Teacher, Physical Education* (1950)
B.S., Denison University.
- JAMES R. GRABILL ----- *Supervising Teacher, Instrumental Music* (1948)
B.A., Oberlin College; M.A., Ohio State University.
- WILMA GRANGER ----- *Supervising Teacher, Speech and
Hearing Therapy* (1948)
B.S. in Education, M.S. in Education, Bowling Green State University.
- ESTHER HAYHURST ----- *Supervising Teacher, History* (1938)
B.S. in Education, Bowling Green State University; M.A., University of Michigan.
- ROBERT HEIGHBERGER † ----- *Supervising Teacher, Industrial Arts* (1948)
B.S. in Education, Kent State University.
- GLENN D. HELM ----- *Supervising Teacher, Industrial Arts* (1951)
B.S. in Education, Bowling Green State University.
- RUBY D. LEVIER ----- *Supervising Teacher, Art* (1928)
B.S., M.A., Ohio State University.
- VIRGINIA A. MALLORY ----- *Supervising Teacher, English* (1944)
B.A., Wittenberg College; M.A., Ohio State University.
- HAZEL M. MERCER ----- *Supervising Teacher, French, English* (1927)
B.S. in Education, Bowling Green State University; M.A., Columbia University.
- MAURICE M. MERCER ----- *Supervising Teacher, Economics,
Journalism* (1923)
B.S. in Education, Bowling Green State University; M.A., Ohio State University.

**These teachers are employed by the affiliated Bowling Green city schools.

†On leave with the United States Armed Forces.

- *405—ELEMENTARY PROJECTIVE GEOMETRY (3)** Ogg
Fundamental theorems of projective geometry; Euclidean geometry as a portion of the larger field. Prerequisite: Mathematics 202. Offered in 1953-54 and in alternate years. (2)
- *407—ORDINARY DIFFERENTIAL EQUATIONS (3)** Krabill
Equations of the first, second, and higher orders; linear equations with constant coefficients; solutions in series and systems of equations; numerical approximations; applications in physics and geometry. Prerequisite: Mathematics 202. (1)
- *408—PARTIAL DIFFERENTIAL EQUATIONS (3)** Krabill
Partial differential equations with applications. Prerequisite: Mathematics 407. (2)
- *409—ADVANCED CALCULUS (3)** Krabill
Selected topics in advanced calculus. Prerequisite: Mathematics 202. (1)
- *410—ADVANCED CALCULUS (3)** Krabill
A continuation of Mathematics 409. Prerequisite: Mathematics 409. (2)
- *412—VECTOR ANALYSIS (3)** Krabill
Vector and scalar algebra and geometry; differentiation, integration, and differential operators; general coordinates; harmonic functions; potentials; applications to electric theory and hydro-dynamics. Prerequisites: Mathematics 202; Physics 201; or consent of the instructor. Offered in 1952-53 and in alternate years. (2)
- *413—CALCULUS OF FINITE DIFFERENCES (3)** Atbias
Differencing; interpolation with equal and unequal intervals; finite integration; summation of series; approximate integration. Prerequisite: Mathematics 202. Offered in 1953-54 and in alternate years. (1)

Military Science and Tactics (Field Artillery)

Professor, Colonel Lucas (commanding officer); Assistant Professors Major McNamara, Captain Olson, First Lieutenant Craley; Instructors, Chief Warrant Officer Unterbrink, Master Sergeant Benson, Master Sergeant Simpson, Master Sergeant Taylor, Sergeant First Class Mayhew, Sergeant Schmuck.

- *101-102—MILITARY SCIENCE AND TACTICS I** Staff
(First year basic; 2 each semester)
Introduction to military science, including military organization; military policy of the United States; evolution of warfare; maps and aerial photographs; individual weapons and marksmanship; first aid and hygiene; leadership, drill, and exercise of command. Laboratory fee, \$2.00 each semester. (1, 2)
- *201-202—MILITARY SCIENCE AND TACTICS II** Staff
(Second year basic; 2 each semester)
Leadership, drill, and exercise of command; tactics and technique of field artillery. Prerequisite: Military Science 102, or veteran with minimum of one year active duty. Laboratory fee, \$2.00 each semester. (1, 2)

- *301-302—MILITARY SCIENCE AND TACTICS III** Staff
(First year advance; 3 each semester)
Leadership, drill, and exercise of command; tactics and technique of field artillery; gunnery; supply; evacuation. Prerequisite: Military Science 202. Laboratory fee, \$2.00 each semester. (1, 2)
- *401-402—MILITARY SCIENCE AND TACTICS IV** Staff
(Second year advance; 3 each semester)
Military administration; military law and boards; military teaching methods; psychological warfare; branch tactics and technique; geographical foundation of national power; leadership, drill, and exercise of command. Prerequisite: Military Science 302. Laboratory fee, \$2.00 each semester. (1, 2)

Music

*Professors McEwen (chairman), Kennedy; Associate Professors Bohrnstedt, Fauley, Haven, Jensen, Spangler; Assistant Professors Alexander, Allen, Himmel, Marley, McLaughlin, Zuelzke; Instructors Dwyer, Ecker, Troeger, Wilcox, Wykes; Mrs. Cohen, Mr. Curtis
Mr. Dennis, Mr. Glasmore.*

Courses in Theory, History, and Appreciation

- *101—SIGHT SINGING AND EAR TRAINING (2)** Alexander
Fundamental principles of pitch and rhythm as a basis for solfeggio; dictation for oral and written response. Four hours a week. (1)
- *102—SIGHT SINGING AND EAR TRAINING (2)** Alexander
A continuation of Music 101. Four hours a week. Prerequisite: Music 101. (2)
- *103—NOTATION AND THEORY (2)** Bohrnstedt, Wykes
Elementary theory; notation; scales; key signatures; clefs; intervals; triads; chords of the seventh and ninth. Three hours a week. Parallel: Music 101. (1)
- *104—HARMONY (2)** Bohrnstedt, Wykes
Four-part writing; harmonic dictation; keyboard. Prerequisite: Music 103, or equivalent. Parallel: Music 102. (2)
- *107—ELEMENTARY CONDUCTING AND TERMINOLOGY (1)** Ecker, Zuelzke
Basic terms and signs; fundamental conducting techniques. (1)
- *108—INTERMEDIATE CONDUCTING AND TERMINOLOGY (1)** Ecker, Zuelzke
A continuation of Music 107. Prerequisite: Music 107. (2)
- *201—SIGHT SINGING AND EAR TRAINING (2)** Alexander
Prepared and sight-reading of advanced choral material; melodic and harmonic dictation. Four hours a week. Prerequisite: Music 102. (1)
- *202—SIGHT SINGING AND EAR TRAINING (2)** Alexander
A continuation of Music 201. Four hours a week. Prerequisite: Music 201. (2)

- *205—HARMONY (2)** Jensen
Nonharmonic tones; altered chords; modulations; harmonic counterpoint. Prerequisite: Music 104, or equivalent. (1)
- *206—HARMONY (2)** Jensen
A continuation of Music 205. Prerequisite: Music 205. (2)
- 211—GENERAL MUSIC (2)** Staff
Fundamental music skills; reading by syllable; pitch and rhythm dictation; music appreciation; song singing. Four hours a week. (1)
- 212—GENERAL MUSIC (2)** Staff
A continuation of Music 211. Four hours a week. Prerequisite: Music 211. (2)
- *301—CHORAL LITERATURE (1)** Allen
Reading and study of sacred and secular choral music from 16th to 20th century. Two hours a week. Prerequisite: Music 202. (1)
- *303—COUNTERPOINT (2)** Jensen
Simple counterpoint; analysis of works of 16th century contrapuntists; use of modes and imitation. Prerequisite: Music 206, or equivalent. (1)
- *304—ANALYSIS OF FORM (2)** Jensen
Analysis of the larger forms of musical composition. Prerequisite: Music 206, or equivalent. (2)
- *305—HISTORY OF MUSIC (3)** Jensen
General course; readings, reports, and recorded music; survey of all periods. (1)
- *306—HISTORY OF MUSIC (3)** Jensen
A continuation of Music 305. (2)
- *309—MODERN MUSIC (2)** Bohrstedt, Wykes
An analysis course in recent and contemporary music. Prerequisites: Music 304, 306. (2)
- *311—CHORAL LITERATURE (1)** Allen
Reading and study of cantatas, oratorios, and other choral compositions, classical and modern. Two hours a week. Prerequisite: Music 202. (1)
- *315—ORCHESTRATION (2)** Bohrstedt, Wykes
Scoring for orchestral choirs, ensembles, and full orchestra. May be repeated once for credit with consent of the chairman of the Music Department. Prerequisite: Music 304. (1)
- *316—COMPOSITION (2)** Bohrstedt, Wykes
Original composition in songs and instrumental forms. May be repeated once for credit with consent of the chairman of the Music Department. Prerequisite: Music 304. (2)
- *317—MUSIC APPRECIATION (2)** Bohrstedt, McEwen
Enjoyment and understanding of music; hearing, lecture, and readings. Not open to special music students or to those having credit for Music 305 or 306. Laboratory fee, \$2.00. (1, 2)

- *318—SYMPHONIC LITERATURE (1)** Jensen
A hearing course in the larger standard instrumental works. Intended primarily for students majoring in music. Prerequisite: Music 205. Prerequisites or parallels: Music 305, 306. Laboratory fee, \$2.00. (1)
- *319—SYMPHONIC LITERATURE (1)** Jensen
A continuation of Music 318. Laboratory fee, \$2.00. (2)
- *320—BAND, ARRANGING (2)** Wykes
Scoring for band choirs, ensembles, and full band. (2)

Courses in Music Education

- 203—INTRODUCTION TO PUBLIC SCHOOL MUSIC (1)** McEwen
Purpose and place of music in the general scheme of education. Two hours a week. (1)
- 204—INTRODUCTION TO PUBLIC SCHOOL MUSIC (1)** McEwen
A continuation of Music 203. Prerequisite: Music 203. (2)
- 351—TEACHING OF MUSIC (2)** Troeger
Methods in music for students in elementary education curriculum. Four hours a week. Prerequisite: Music 212. (1, 2)
- 352—METHODS IN MUSIC APPRECIATION (2)** McEwen
The basis of music appreciation; subject matter and methods; preparing and teaching typical lessons. Prerequisite: Education 309. (2)
- 355—METHODS IN SECONDARY MUSIC (2)** Fauley
Subject matter and materials for music in the junior and senior high schools. Prerequisites: Education 309, 310. (1)
- 357—INSTRUMENTAL ORGANIZATION AND ADMINISTRATION (2)** Zuelzke
For elementary and secondary schools. (1)

Courses in Applied Music

CREDIT REQUIREMENT—A minimum of 30 semester hours of applied music is required for students in public school music. All courses in applied music, including Music 100, 200, 300 may be used to meet this requirement.

INSTRUCTION—The basis for instruction in applied music except courses designated "class" is the half hour individual lesson. Work is graded according to the proficiency and experience of the student, and involves both technical study and standard performance literature. For students of public school music, attention is given to such special professional requirements as playing accompaniments and rhythms, and the proper use of the singing voice for teaching in the elementary and secondary schools.

PRACTICE—A minimum of 6 hours of practice a week a semester hour is required in piano and other instruments. In voice, 3 to 5 hours practice a week a semester hour is required.

RECITAL ATTENDANCE—Students majoring in music are required to attend 80 per cent of all student and faculty recitals and concerts, including those of the University Artist Series.

FEES—A fee of \$20.00 a semester is charged for each credit in applied music except courses designated "class." The schedule of fees for rental of instruments is as follows:

Instrument	Rental Period	Fee	
Piano (1 semester hour)	6 hours a week	\$ 5.00 a semester	
Piano (2 semester hours)	12 hours a week	8.50 a semester	
Piano (each additional semester hour)		3.50 each semester hour	
Woodwinds	6 hours a week	5.00 a semester	
Brasses	6 hours a week	5.00 a semester	
Strings	6 hours a week	5.00 a semester	
Two manual organ (1 semester hour)	6 hours a week	15.00 a semester	
Two manual organ (2 semester hours)	12 hours a week	25.00 a semester	
Two manual organ (each additional semester hour)		10.00 each semester hour	
Four manual organ (Main Auditorium)	1 hour	.50 an hour	
*125—PERCUSSION CLASS (1)			Dennis
*135—BRASS CLASS (1)			Wilcox
*136—CORNET CLASS (1)			Wilcox
*145—WOODWIND CLASS (1)			Zuelzke
*147—CLARINET AND FLUTE CLASS (1)			Ecker, Wykes
*185-186—STRING CLASS (2)			Alexander
*187-188—VIOLIN CLASS (2)			Alexander
*131, *132, *231, *232, *331-334—BRASS INSTRUMENTS (1 or 2 each)			Glasmire, Wilcox
*141, *142, *241, *242, *341-344—WOODWIND INSTRUMENTS (1 or 2 each)			Ecker, Wykes, Zuelzke
*161, *162, *261, *262, *361-364—PIANO (1 or 2 each)			Bohrnsiedt, Cohen, Haven, Jensen, Marley, Spangler, Troeger, Wyles
*171, *172, *271, *272, *371-374—VOICE (1 or 2 each)			Allen, Dwyer, Fauley, Himmel
*181, *182, *281, *282, *381-384—STRINGED INSTRUMENTS (1 or 2 each)			Alexander, McLoughlin
*191, *192, *291, *292, *391-394—ORGAN (1 or 2 each)			Curtis
*235—FRENCH HORN CLASS (1)			Wilcox
*236—TROMBONE CLASS (1)			Glasmire
*246—OBOE AND BASSOON CLASS (1)			Ecker
*285—CELLO AND BASS CLASS (1)			Alexander

Musical Organizations

- 100—SMALL ENSEMBLES (1 a semester) Staff
According to the talent available, small vocal and instrumental ensembles are formed under the supervision of the department. Admission is by try-out. May be taken more than once, but the total credit earned shall not exceed 4 semester hours. (1, 2)
- 200—MUSICAL ORGANIZATIONS (1/2 a semester) Staff
The Band, A Cappella Choir, Men's Glee Club, Orchestra, and Treble Clef Club are open to all students of the University with the necessary musical ability. Not more than 8 semester hours earned in this way can be applied to any degree. (1, 2)
- 300—SMALL ENSEMBLES (1 a semester) Staff
Similar to Music 100, but for juniors and seniors. May be taken more than once, but the total credit earned shall not exceed 4 semester hours. (1, 2)

Philosophy

Professor Tuttle (chairman); Associate Professor Nielsen.

- *201—INTRODUCTION TO PHILOSOPHY (3) Staff
A study of the methods and problems of philosophy in relation to contemporary institutions. (1, 2)
- *202—ETHICS (3) Nielsen
An inquiry into the meaning of good and bad, right and wrong; consideration of the views of outstanding Greek, Christian, and modern thinkers on the nature of the good life. (2)
- *204—AESTHETICS (3) Tuttle
The nature and meaning of "beauty," approached historically and applied to present day experience. Courses in the appreciation and history of art and music are of value in connection with this study. (2)
- *206 [311]—PROBLEMS OF PHILOSOPHY (3) Nielsen
A more extended study of some of the fundamental and persistent philosophical problems treated in Philosophy 201. *Offered on demand*
- *301—LOGIC (3) Nielsen
The following topics are examined: language analysis, including discussion of ambiguity, levels of meaning, figurative language; deductive reasoning; inductive reasoning. (1)
- *315—SEVENTEENTH CENTURY PHILOSOPHY (3) Nielsen
A consideration of the great philosophical systems of the period: Hobbes, Descartes, Spinoza, Locke, and Leibniz. (1)
- *321—HISTORY OF ANCIENT PHILOSOPHY (3) Tuttle
The development of the concepts of stability, change, and interdependence from Thales to the fall of Rome; a study of the sources of modern economic, political, social, and religious ideas and practices. (1)
- *322—HISTORY OF MEDIEVAL AND MODERN PHILOSOPHY (3) Tuttle
A survey of major concepts in the philosophies of Catholic Europe; the humanistic emphasis of the Renaissance; the rise of empiricism in England, of rationalism on the continent, and the resulting philosophy of Kant and his followers. (2)