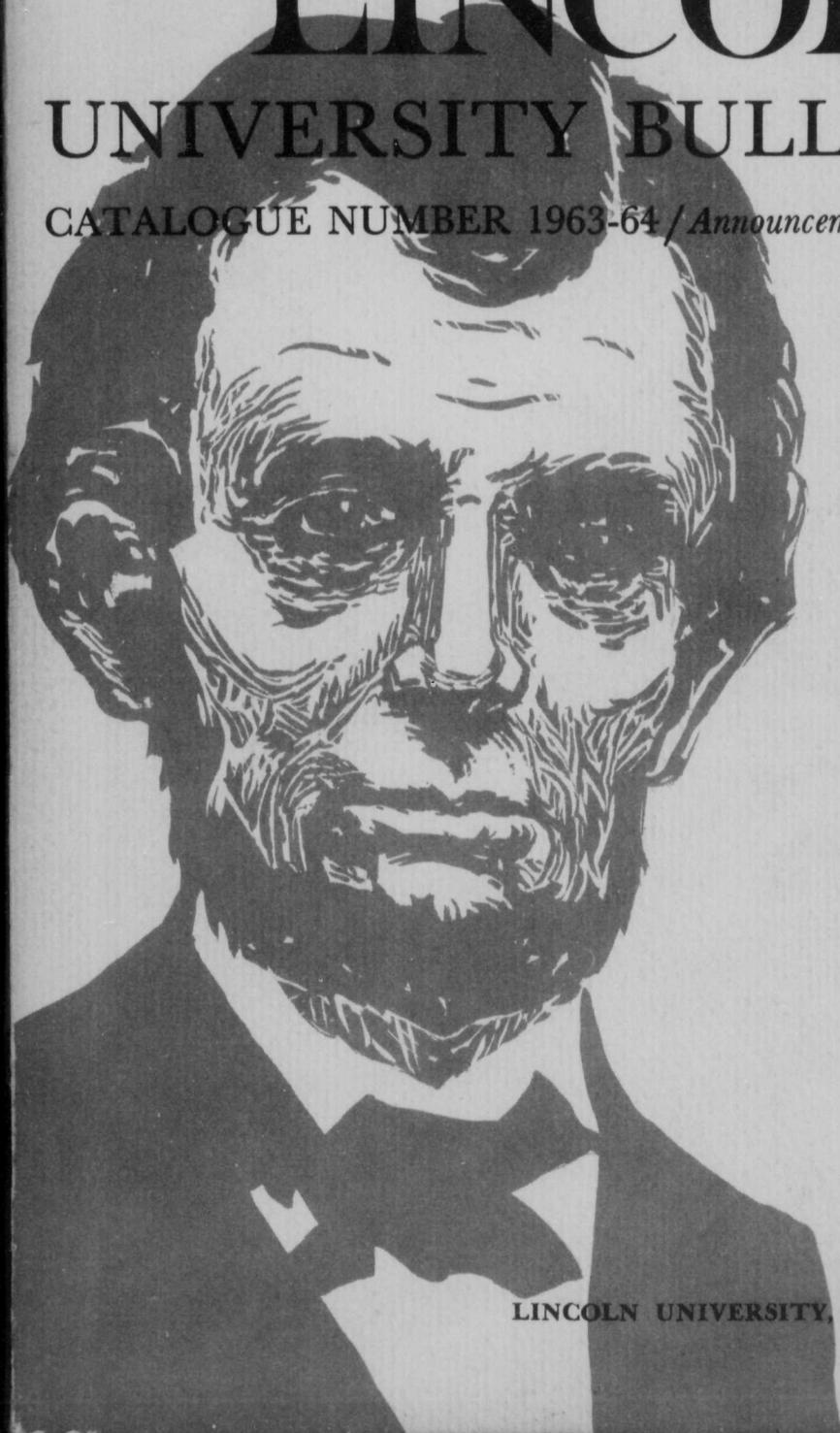


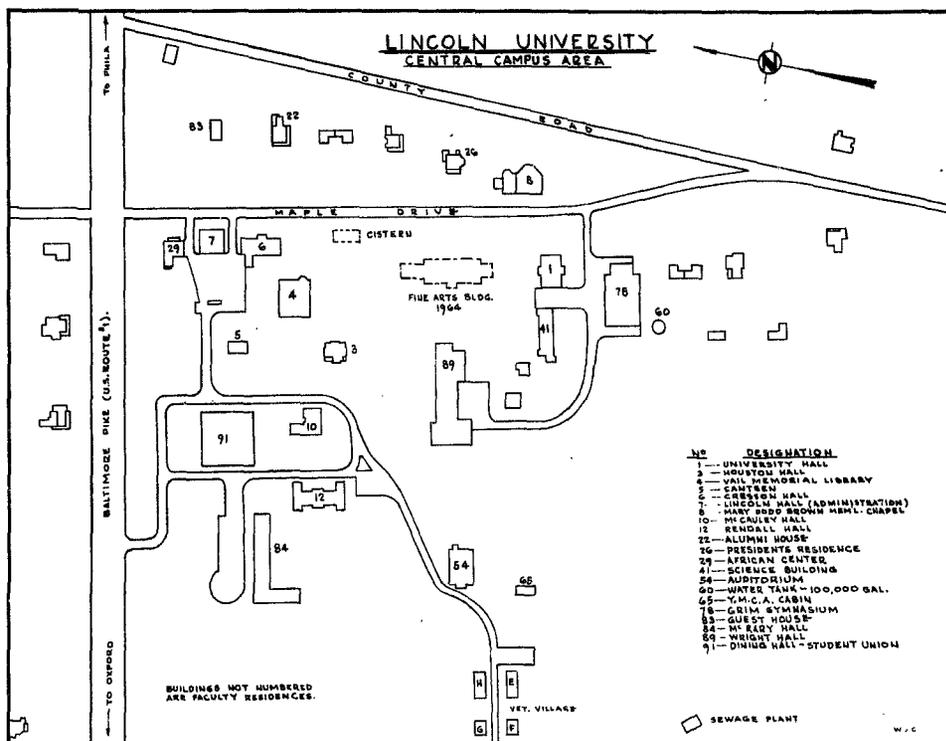
LINCOLN

UNIVERSITY BULLETIN

CATALOGUE NUMBER 1963-64 / *Announcements, 1964-65*



LINCOLN UNIVERSITY, PENNSYLVANIA



CORRESPONDENCE WITH LINCOLN UNIVERSITY

Communications should be addressed to the appropriate administrative officer.

GENERAL INFORMATION

The Office of Public Information

ACADEMIC STANDING OF STUDENTS

The Dean of the College

ADMISSIONS

The Counselor on Admissions

SCHOLARSHIPS, AND REQUEST FOR TRANSCRIPTS

The Registrar

FINANCIAL ARRANGEMENTS AND PAYMENT OF BILLS

The Comptroller

PERSONAL AND SOCIAL LIFE OF STUDENTS AND STUDENT EMPLOYMENT

The Dean of Students

PLACEMENT OF GRADUATES

The Placement Counselor

ALUMNI RELATIONS

The Director of Alumni Relations

The Post Office address is Lincoln University, Pennsylvania

The Office telephone number is 932-8300 (Area Code 215)

Visitors to the campus are welcome. Those desiring accommodations should contact the Dean of Students in advance. Meals and lodging may be obtained at nominal cost.

The Offices are open Monday through Friday 8:30-12:00 and 1:00-4:30 and on Saturdays 8:30-12:00. Applicants for admission are urged to write for an appointment.

For information regarding public transportation and highway routes, see inside back cover.



THE LINCOLN
UNIVERSITY
CATALOGUE

1963-64

*The 110th University Year
Announcements for 1964-65*

SPRING 1964



Entered as second-class matter at the Post Office, Lincoln University, Pennsylvania, under the Act of July 16, 1894.

Table of Contents

UNIVERSITY CALENDAR	4
INTRODUCTION TO LINCOLN	5
OBJECTIVES	
ACCREDITATION	
HISTORY	
RESOURCES	
ADMISSION	10
EXPENSES	13
SCHOLARSHIPS, LOANS AND PRIZES	16
GENERAL INFORMATION	21
CO-CURRICULAR AND STUDENT ACTIVITIES	
ATHLETIC AND HEALTH PROGRAMS	
AFRICAN PROGRAM	
BUILDINGS AND LIVING ARRANGEMENTS	
UNIVERSITY REGULATIONS	35
PROGRAMS OF STUDIES	44
COURSES OF INSTRUCTION	49
DIRECTORY	83
TRUSTEES	
FACULTY	
ADMINISTRATION	
DEGREES, HONORS	92
DIRECTORY OF STUDENTS	95
ENROLLMENT STATISTICS	
GENERAL ALUMNI ASSOCIATION	107
INDEX	111

University Calendar

111th University Year

THE FIRST SEMESTER

1964

September	10-14	Freshman Orientation Week	
September	15	Registration	8:00 a.m. Tuesday
September	16	Classes begin	8:00 a.m. Wednesday
November	9-14	Mid-Semester Tests	
November	25	Thanksgiving Recess begins	12:00 noon Wednesday
November	30	Thanksgiving Recess ends	8:00 a.m. Monday
December	19	Christmas Recess begins	12:00 noon Saturday

1965

January	4	Christmas Recess ends	8:00 a.m. Monday
January	20	Final Examinations begin	8:00 a.m. Wednesday
January	30	Final Examinations end	12:00 noon Saturday

THE SECOND SEMESTER

February	1	Registration	8:00 a.m. Monday
February	2	Classes begin	8:00 a.m. Tuesday
March	15-20	Mid-Semester Tests	
March	20	Spring Recess begins	12:00 noon Saturday
March	29	Spring Recess ends	8:00 a.m. Monday
May	24	Final Examinations begin	8:00 a.m. Monday
May	31	Final Examinations end	5:00 p.m. Monday
June	6	Baccalaureate Service	10:30 a.m. Sunday
		Commencement	2:30 p.m. Sunday

112th University Year

THE FIRST SEMESTER

1965

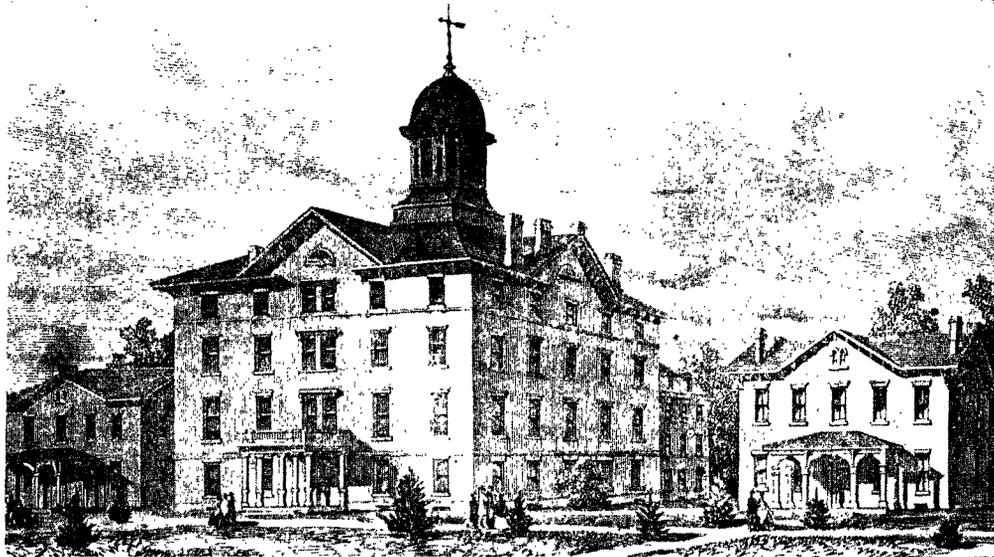
September	16-20	Freshman Orientation Week	
September	21	Registration	8:00 a.m. Tuesday
September	22	Classes begin	8:00 a.m. Wednesday
November	8-13	Mid-Semester Tests	
November	24	Thanksgiving Recess begins	12:00 noon Wednesday
November	29	Thanksgiving Recess ends	8:00 a.m. Monday
December	18	Christmas Recess begins	12:00 noon Saturday

1966

January	3	Christmas Recess ends	8:00 a.m. Monday
January	19	Final Examinations begin	8:00 a.m. Wednesday
January	29	Final Examinations end	12:00 noon Saturday

THE SECOND SEMESTER

January	31	Registration	8:00 a.m. Monday
February	1	Classes begin	8:00 a.m. Tuesday
March	14-19	Mid-Semester Tests	
March	19	Spring Recess begins	12:00 noon Saturday
March	28	Spring Recess ends	8:00 a.m. Monday
May	23	Final Examinations begin	8:00 a.m. Monday
May	30	Final Examinations end	5:00 p.m. Monday
June	5	Baccalaureate Service	10:30 a.m. Sunday
		Commencement	2:30 p.m. Sunday



Lincoln University in the 1860's

Introduction to Lincoln University

Founded in 1854, Lincoln University is the oldest college in the United States having as its original purpose the higher education of Negro youth. Since 1866 it has provided a superior liberal arts education to students "of every clime and complexion." Few universities in this country enroll as large a percentage of students from other countries.

Lincoln University is a nonsectarian, privately controlled and state-aided four-year college of liberal arts. Its campus, surrounded by the rolling farmlands and wooded hilltops of Southern Chester County, Pennsylvania, is conveniently located on U.S. Route 1, 45 miles southwest of Philadelphia and 55 miles north of Baltimore.

Those who come to Lincoln will share in a rich heritage and a challenging future. The Lincoln student of today has a unique opportunity to equip himself, through a basic training in the liberal arts, for the professions, business, education, government, and social service. His experience will be enriched by association with students of many races and creeds coming from many parts of the world.

Objectives

It is Lincoln University's purpose to offer in the college program a thorough grounding in the liberal arts through a curriculum

which, incorporating the heritage of the past, stresses the relevance of all knowledge to the problems of the present. The liberal arts, which encompass the sciences and mathematics, are the recognized preparation for the learned professions, for business and for public service, and best equip the student to play a useful role in an increasingly complex yet unitary world. From this premise and from the aims of the several divisions of study, the objectives of the college are derived:

First, to cultivate an inquiring and critical mind; to direct it toward the apprehension of truth; and to arm it with those skills essential for effective oral and written communication.

Second, to acquaint the student with the cultural aspects of civilization as expressed in languages, literature, art, music, religion, and philosophy; and to cultivate an appreciation of the role they play in the enrichment of human life.

Third, through the medium of mathematics and the laboratory sciences, to enable the student to cope with the quantitative aspects of life, and to familiarize him with the nature of the physical and biological worlds and with scientific method.

Fourth, to promote understanding of contemporary societies and cultures, in terms of their historical antecedents, of their interrelations, and of their economic, political, social, and psychological factors; and to inculcate the values of good citizenship and service to one's fellow man.

Fifth, to develop recreational skills and to encourage participation in all areas of life that promote the health and general welfare of the student; and to develop strength of character and convictions consistent with the ideals of free men.

Sixth, through intensive instruction in the area of the student's special competence to qualify him for successful graduate or professional study.

Because we believe that only by freely living and learning together shall we move to greater understanding of man's personal and collective problems, Lincoln will actively seek to enroll students of diverse race, color, and national origin. The faculty and board of trustees of Lincoln University, both of which are broadly interracial, are persuaded that this is among the desirable objectives of a liberal education.

To achieve such diversity and to provide the educational values of learning to live constructively in a pluralistic society, Lincoln University will continue, as it has traditionally done with conspic-

uous success, to accept students with underprivileged backgrounds and to provide compensatory educational opportunities to the full limit of its resources.

Accreditation

The College is approved by the College and University Council of the State of Pennsylvania, by the American Medical Association and, since December 1, 1922, as a fully accredited four-year senior college by the Middle States Association of Colleges and Secondary Schools.

History

The story of Lincoln University goes back to the early years of the nineteenth century and to the ancestors of its founder, John Miller Dickey, and his wife, Sarah Emlen Cresson. The maternal grandfather of John Miller Dickey was a Philadelphia marble merchant who made contributions to the education of Negroes in that city as early as 1794; his father was minister of the Oxford Presbyterian Church before Rev. Dickey, after serving as a missionary and preaching to the slaves in Georgia, became pastor of that same church in Oxford, Pennsylvania, in 1832. Sarah Emlen Cresson inherited a long tradition of service and philanthropy through the Society of Friends in Philadelphia.

Rev. Dickey was involved in the American Colonization Society and took an active part in 1851 in the court actions leading to the freeing of a young Negro girl who had been abducted from southern Chester County by slave-raiders from Maryland. At the same time, having been unsuccessful in his efforts to gain admission to even the most liberal of schools for a young freeman, James Amos, Rev. Dickey undertook to prepare the young man for the ministry.

In October of 1853 the Presbytery of New Castle approved the plan advanced by Rev. Dickey for the establishment of "an institution to be called Ashmun Institute, for the scientific, classical and theological education of colored youth of the male sex." On April 29, 1854, the new school received its charter from the Commonwealth of Pennsylvania.

On changing the name of the Institute to Lincoln University in 1866, John Miller Dickey proposed to teach on the University level, and to enroll students of "every clime and complexion." Law, Medical, Pedagogical, and Theological Schools were planned, in addition to the College of Liberal Arts. White students were encouraged to enroll; two graduated in the first baccalaureate class of six men in 1868, and the enrollment has continued to be interracial.



Vail Memorial Library

A great schoolmaster, Isaac N. Rendall, became principal of Ashmun Institute in 1865 and president of Lincoln University in 1866. Within a decade, plans for the Law, Medical, and Pedagogical Schools had to be dropped for financial reasons, but the College of Liberal Arts grew in stature and the Theological Seminary continued until 1959 to prepare many Lincoln graduates for the ministry.

Isaac N. Rendall resigned in 1905, after forty years of conducting an institution that graduated leaders as extraordinary as any American college may claim among its alumni. He was succeeded by his nephew, John Ballard Rendall, who served as president from 1905 to his death in 1924. William Hallock Johnson, professor of Greek since 1903, served as president from 1926-1936; and was succeeded by Walter Livingstone Wright, 1936-1945. Horace Mann Bond, president from 1945 to 1957, was succeeded first by Dr. A. O. Grubb, professor of Romance Languages, and then by Dr. Donald C. Yelton, University librarian, who served as acting presidents. In the summer of 1961, Dr. Marvin Wachman was appointed president of the University.

Since the turn of the century the number of Lincoln alumni undertaking graduate study for the various professions — most notably, medicine, dentistry, law, and education — has increased to include more than 50% of Lincoln's graduates.

Lincoln University offers instruction in the liberal arts to all who show promise of profiting by it. In reckoning that promise, race is, of course, irrelevant.

Attainment of more than the token integration which has long existed is a corollary of this purpose, and a prime goal.

The growing diversity of Lincoln students in color, national origin, and economic and cultural background makes the campus a natural setting for intergroup relations, resulting in a greater sensitivity to human relations and a better understanding of group dynamics.

Resources

The campus is part of a tract of 300 acres of farm and woodlands owned by the University. There are 19 main buildings on the campus and 21 faculty residences. Wright Hall, opened in 1960, provides facilities for the latest instruction in physics, chemistry, and mathematics. A new student union was completed in January, 1964.

A new fine arts and humanities building will be completed in 1965 and funds are available for doubling the size, modernizing and equipping Science Hall for study and research in the life sciences. Within the next two years a new men's dormitory is to be constructed.

The Library, which contains almost 90,000 volumes and receives about 450 different periodicals a year, is considered to be one of the finest for a college of Lincoln's size.

The University has an endowment of \$1,538,000 at book value, and buildings and grounds with a book value of \$4,836,000.

Student-Faculty group makes plans for Shakespeare Festival



Admission

Those who wish to apply for admission to Lincoln University should write to the Counselor on Admissions, Lincoln University, Pennsylvania, for application forms. One part of the form should be completed and returned to the Admissions Office. The other part should be submitted to the principal or head master of the applicant's secondary school to be completed and returned directly to the Admissions Office by the applicant's school. It is strongly recommended that application be made before March 1, of the calendar year in which the applicant wishes to enter Lincoln University. All applicants will be informed of the decision of the Committee on Admissions.

ADMISSION BY CERTIFICATE

Each candidate for admission must have completed a minimum of fifteen acceptable units in a secondary school accredited as a standard senior high school either by the state authorities or by the regional accrediting bodies.

The fifteen units of secondary school credits offered for admission should be distributed as follows:

<i>Subjects</i>	<i>Units</i>
*English	3
*Mathematics: Elementary Algebra	1
Plane Geometry	1
Foreign Language, in one language	2
History or Civics	1
Science	2
Academic electives	3
Other electives	2
	<hr/>
	15

It is recommended that the elective subjects include an additional unit of a foreign language, of mathematics, and of history or social science, and not more than two of the vocational subjects usually taught in secondary schools. The Committee on Admissions may, at its discretion, accept equivalent preparation.

ENTRANCE EXAMINATIONS

All candidates for admission are required to take the Scholastic Aptitude Test prepared and administered by the *College Entrance Examination Board*, unless excused by the Committee on Admis-

* Required for admission

sions. It is recommended that the candidates take this test in December, January or February of the year in which they wish to be admitted. It is further recommended that each candidate take the English Composition Achievement Test and two additional tests in the College Board series.

Information and application forms for the tests should be secured from the *College Entrance Examination Board* at one of the following addresses (whichever is closer to the candidate's home or school): *Box 592, Princeton, New Jersey 08540*, or *Box 1025, Berkeley, California 94701*.

The candidate is responsible for requesting that his test scores be sent to Lincoln University—either by indicating Lincoln University on his College Board application blank or, if he failed to do this, by special request to the College Board office.

Applicants from outside United States territory must submit the results of comparable examinations such as the Local Examinations of the English Universities.

ADVANCED PLACEMENT

Students who have completed college level courses in secondary schools and have taken the Advanced Placement Examination administered by the College Entrance Examination Board may have the results forwarded to Lincoln University for evaluation. The chairman of the department concerned evaluates the performance on the test and determines the credit to be allowed for the work.

ADMISSION WITH ADVANCED STANDING

A student who has taken work at a college of recognized standing may be admitted with such advanced credits as his previous record may warrant, but no student who has been enrolled less than two semesters at Lincoln University will be recommended for a degree. The applicant should request the institution last attended to send to the Registrar a transcript of his academic record. On the basis of this transcript a tentative estimate can be given the candidate as to the prescribed work he must do and the length of time it will take him to earn a degree. At the end of his first semester at Lincoln, he will be given a definite classification with a statement of the exact amount of work he must complete before recommendation for the degree.

Candidates for advanced standing must also furnish a certificate of honorable dismissal from the institution previously attended, a certificate of good moral character from an authorized representative of his college, and a certificate of sound health.



Wright Hall—New Science Building of the Natural Sciences and Mathematics

TESTING PROGRAM: NEW STUDENTS

Students entering the College for the first time will be required to take a psychological test and such other placement tests as the faculty may decide. These tests are not intended to determine the admission of the student, but to indicate the grade of work of which he is capable and the most efficient method of teaching him.

READING PROGRAM

Students entering Lincoln University with scores below the fiftieth percentile in the Sequential Tests of Educational Progress in reading are enrolled in a Reading Program designed to increase comprehension and to improve study habits. The program, instituted in 1956, is jointly conducted by the English and the psychology departments, and involves three regular class meetings a week. One credit hour is granted to students reaching an adequate level of achievement after the first or second semester.

MATRICULATION

Before attending any University exercise, each student must present himself in person at the University Office and there obtain an official matriculation card signed by the Comptroller, and from the Registrar, a card showing the courses he is scheduled to take during the ensuing semester.

LATE REGISTRATION

Students presenting satisfactory excuse for tardy registration may pay the late registration fee of five dollars and be admitted to the College during a period not exceeding two weeks after the opening of any semester. The student will be held accountable, however, for the assignments already covered in class.

WITHDRAWAL

An honorable discharge will be granted to any student in good academic standing and not subject to discipline, provided his financial obligations to the University have been met and his library card has been cleared. Notification of intention to withdraw must be given to the Office of the Dean of Students, and a student under twenty-one years of age must present the written consent of his parents or guardian to the Dean.

Expenses 1964-65

STANDARD CHARGES FOR FULL-TIME ATTENDANCE

	<i>Per Semester</i>	<i>Per Year</i>
Tuition (12 to 18 hours)	\$350.00	\$ 700.00
General Fee (Covers charges for library, health, athletic events, and non- academic student activities)	60.00	120.00
Sub-total (Applicable to both Day and Resident students)	410.00	820.00
Board	205.00	410.00
Room (Average rate)	140.00	280.00
Total (Applicable to Resident students)	755.00	1,510.00

The University reserves the right to change the charges for room and board at the end of any month in order to meet the actual cost of these services.

Students remaining at the University during vacations will be charged an amount to cover the cost of room and board.

MISCELLANEOUS FEES

Orientation and Placement Tests	\$12.00
Matriculation	12.00
Laboratory	3.00 to 10.00
Graduation	15.00
Transcript (After first one)	1.00
Late Registration	5.00
Late Payment (Each occurrence)	3.00
Breakage Deposit	15.00
Service charge (On deferred payments)	5.00

Miscellaneous Fees, assessed as incurred by full-time or part-time students, are payable in addition to Standard Charges.

Part-time students are charged for tuition at the rate of \$30.00 per semester hour. Other students are charged the same rate for each semester hour in excess of eighteen.

The Breakage Deposit, required of all students, must be maintained at the \$15.00 level during the period of enrollment. It is held as a reserve against assessments for damage to or failure to account properly for University property of any kind. The unexpended balance in the deposit is refundable after graduation or withdrawal of the student, either as credit against any unpaid school bills, or in cash if school bills have been settled.

A \$15.00 Room Deposit is required of each student to reserve a place for him in a dormitory or other housing accommodation. New students should mail the deposit as soon as admission to the University has been granted. Other students should make the deposit by July 1. The deposit is not refundable, but it is credited toward the school bill upon registration.

REGULATIONS GOVERNING PAYMENT OF COLLEGE BILLS

Unless other arrangements are specifically agreed upon in consultation or correspondence with the Comptroller's Office, the bill for tuition, fees, room and board is due and payable in full within 21 days following the announced date of registration for each semester.

Remittances for school expenses should be made payable to Lincoln University and addressed to the Business Office.

As an associate of The Tuition Plan, Inc., the University is able to extend to students or their parents or guardians the opportunity of paying college expenses in installments during the school year. Details will be furnished on request.

No student is eligible to attend classes or engage in any other University activity until all financial arrangements have been completed in accord with these regulations or approved pursuant to them.

Students are expected to take an active interest in management of the day to day details of their school finances even though their parents are, in most instances, responsible for settlement of school bills. The University is able to render more prompt and satisfactory services by dealing with students who share in the concern for a most effective use of funds being invested in their educational future.



Bookstore, Student Union

REFUNDS

Tuition only is refundable upon withdrawal of a student, for other than disciplinary reasons, according to the following schedule of attendance and rates:

Between one and two weeks	80%
Between two and three weeks	60%
Between three and four weeks	40%
Between four and five weeks	20%
Over five weeks	0%

A proportionate refund or reduction of the charge for *board* will be made upon withdrawal or absence of a student for a period of six weeks or more, provided that notice of withdrawal has been given to the Dean of Students and the Business Office.

No reduction or refund of charges is permissible except as stated above.

Student Deposit Account

For the convenience and protection of students in residence, the Business Office maintains a student deposit account, where money for personal or incidental expenses may be deposited to be drawn upon as occasion requires.

Scholarships, Loans, and Prizes

University Scholarships

Lincoln University is the trustee of scholarship endowment funds of about \$360,000 which yield an annual income in the range of \$22,500. That income and annual scholarship gifts are expended in partial payment of the fees of deserving students of good deportment and diligent application. Awards range from \$100.00 to \$1000.00 a year, depending upon the need and the academic qualifications of the student. About 60% of the Lincoln students receive scholarship awards from these and other funds.

Prospective students may apply for scholarship aid. While preference is given to those with high College Entrance Board Examination scores, an excellent record in an accredited high school, and demonstrated need, careful consideration is also given to needy students who give evidence of high motivation and potential leadership. Full-expense scholarships may be granted for one year by the Committee on Admissions to students of exceptional promise.

Scholarships are renewable from year to year upon good performance. They may be forfeited at any time during the year because of negligence or misconduct. If a student fails in any semester to achieve at least a general Group 3 grade, appeal may be made to the Committee on Scholarships to prevent automatic forfeiture of scholarship allowance for that semester.

Senatorial Scholarships

The College grants Senatorial Scholarships amounting to \$350.00 per year, applicable toward tuition, to qualified candidates who are *legal residents of Pennsylvania* and are nominated by members of the Senate of Pennsylvania.

Recipients of these awards are required to maintain a satisfactory standard of conduct and scholarship.

National Defense Student Loans

From a fund, including 10% of institutional and 90% of federal financing, loans are made to needy students. A student may borrow up to \$1,000 a year if he qualifies academically and can prove his need. Preference is given to those who plan to teach in public schools

as well as to those in the field of natural science, mathematics, and modern foreign language.

Higher Education Loan Plan

This plan provides for educational loans, after completion of the first academic year, for qualified students who are legal residents of Pennsylvania. Through the Pennsylvania Higher Education Assistance Agency, as guarantor, loans of up to \$1,000 a year for full-time and up to \$500 a year for part-time students may be obtained from banks having membership in the plan.

United Student Aid Funds, Inc.

Under this program a qualified student may, after his freshman year, borrow up to \$1,000 annually, or a combined total of \$3,000 during his undergraduate enrollment.

Duwall B. Evans Loan Fund

This fund, a gift from Mrs. Edith C. Evans, widow of Duvall B. Evans of the Class of 1911, is to be used to provide loans to worthy and needy students. The fund is administered with special concern for incoming students who would otherwise not be able to attend college.

Student Employment

The Lincoln University does not guarantee employment but it does provide a number of opportunities for students to assist themselves through part-time work in the University dining hall, the library, the halls and dormitories, or on the grounds. Information on such employment may be had upon application to the Dean of Students.

Earnings of a student assigned work to help defray his expenses may be paid in cash or credited to his account monthly upon satisfactory completion of his assigned task. Earnings must be applied to a student's account if it is in arrears.

Prizes

The following prizes are offered annually for proficiency in the area indicated:

THE HUMANITIES

THE CLASS OF 1899 PRIZE is given to that member of the Senior Class who passes a creditable examination in English studies and writes the best essay on some assigned topic.

THE C. MORRIS CAIN PRIZE is given annually to that student in the college who has maintained general excellence in English Bible studies.

THE EDWARD S. SILVERA AWARD FOR CREATIVE WRITING, established in 1964 for a five year period by John D. Silvera in memory of his brother, is granted annually to the student who has, in the opinion of a faculty-staff committee, published creative work of the highest quality in *The Lincolnian*.

THE WILLIAM B. SUTHERN MEMORIAL AWARD is given to a graduating senior for proficiency in music and outstanding scholarship.

THE CLASS OF 1900 PRIZE is awarded to that student who, in the judgment of the faculty, has acquitted himself most creditably in intercollegiate debates.

THE ELIZABETH H. TRAIN MEMORIAL PRIZES IN ORATORY (given in 1919 by the Rev. William F. Finney, D.D., in memory of Elizabeth H. Train) are awarded to the best and to the next best speaker in a public oratorical contest for sophomores.

THE WALTER FALES MEMORIAL PRIZE IN PHILOSOPHY is given in memory of Walter Fales, Professor of Philosophy, 1946-1953, to the student whose work in philosophy is of the highest quality.

THE ALICE FRANCOISE NGO MANDENG PRIZE IN PHILOSOPHY is awarded annually to that member of the graduating class whose major is philosophy and who stands second in honors in that subject.

NATURAL SCIENCE

THE BRADLEY GOLD MEDAL is awarded to that member of the Senior Class who has maintained the highest average standing in selected branches of physical science.

THE EASTERN LONG ISLAND CHAPTER AWARD is given to the student most proficient in the field of science.

THE NORMAN EDWARD GASKINS MEMORIAL PRIZE IN ORGANIC CHEMISTRY (endowed in 1955 in memory of Professor Norman E. Gaskins, '34, teacher of Organic Chemistry, 1937-1955) is awarded annually to that student attaining the highest average in organic chemistry.

THE S. LEROY MORRIS MEMORIAL PRIZE IN BIOLOGY (endowed in 1937 by Mrs. Amaza Morris Lockett, Atlantic City, N. J., in mem-

ory of her father, S. Leroy Morris, M.D., of the class of 1892) is given to that member of the Senior Class who has maintained the highest average in the courses in biology.

THE WILLIAM S. QUINLAND, JR., MEMORIAL PRIZE IN BIOLOGY (given by William S. Quinland, M.D., Nashville, Tennessee, in memory of his son, William S. Quinland, Jr.) is awarded to the pre-medical student of the graduating class who possesses initiative and marked proficiency in biology, and who stands second in honors in this subject.

THE RICHARD M. WHEELER MEMORIAL PRIZE (given in his memory by his wife and children) is awarded to the student whose work in pre-engineering is of the highest quality.

PRIZES FOR SCHOLARSHIP STANDING

THE CLASS OF 1915 PRIZE is awarded, on the recommendation of the Faculty Committee on Athletics, to that student of the graduating class of the odd years, who has best combined athletic distinction and scholarship standing.

THE CLASS OF 1916 PRIZE is awarded, on the recommendation of the Faculty Committee on Athletics, to that student of the graduating class of the even years, who has best combined athletic distinction and scholarship standing.

THE WALTER F. JERRICK PRIZE is awarded to that student in the graduating class who shows the most improvement in scholarship during his four years at Lincoln University.

THE E. K. MARROW MEMORIAL PRIZE (established by Gloria G. Marrow, in memory of her brother, Edmond Kirk Marrow) is awarded annually to the graduate from the state of New Jersey with the highest average.

THE FRAZIER S. TAYLOR MEMORIAL PRIZE (contributed by the father and uncle of the late Frazier S. Taylor) is awarded to that member of the Junior Class who best combines scholarship and athletic ability.

THE SILAS F. TAYLOR MEMORIAL PRIZE is given to the valedictorian of the graduating class.

GENERAL PRIZES

THE HENRY W. B. CAMPBELL AWARD (given by Mrs. Campbell in memory of her husband, Lincoln, 1903; Seminary, 1906) is presented to one or more students who best combine the qualities of scholarship and Christian character.

THE AMY L. JOHNSON AWARD is granted to that student of the College who has shown the most improvement in personality and scholarship during the last three full years of residence.



Student Union Building

THE ROBERT M. LABAREE ESSAY PRIZE IN THE SOCIAL SCIENCES (contributed by Dr. Leonard W. Labaree, nephew of the late Professor Robert M. Labaree) is awarded biennially to a member of the junior or senior class.

THE WILLIAM H. MADELLA PRIZE (endowed by Miss F. Louise Madella, Washington, D. C., in memory of her father, William H. Madella, M. D., of the Class of 1876) is given to the graduating student who has made the most general progress and has demonstrated high character, conduct, and scholarship during his career at Lincoln University.

THE NORTH SHORE SYNAGOGUE RELIGIOUS SCHOOL AWARD is given annually to the student who does most to promote human rights at home or abroad.

THE SAMUEL ROBINSON SCHOLARSHIPS are granted in sums from fifty to two hundred dollars or more, to needy and worthy students who have recited correctly from memory the answers to the 107 questions in the Westminster Shorter Catechism.

THE RABBI WEITZ AWARD is granted to the student who does most for inter-faith, interracial and inter-group cooperation on a world level.

THE WOMAN STUDENTS ASSOCIATION KEY is awarded annually to the woman graduate who, in the opinion of the faculty committee, best represents the ideals of the University.

General Information

Co-Curricular and Student Activities

The University and student organizations provide a full and varied program of events of cultural and current, of social and recreational interest. Student activities give opportunity for self-expression and identification with heterogeneous groups, and for the development of leadership and responsibility.

The Lectures and Recitals Committee has brought to the campus such distinguished vocalists as Shirley Verrett Carter, Barbara Smith as soloist with the Glee Club, and Martina Arroyo; such instrumentalists as Natalie Hinderas, Frances Walker, and Ottomar Borwitzky; and ensemble groups including the Torneau Opera Players and the American Society of Ancient Instruments.

Among the many able speakers heard at Lincoln during the past year are Berl I. Bernhard, staff director (1961-63) of the U. S. Commission on Civil Rights; Professor Frederick Barghoorn of Yale; Langston Hughes, poet and playwright; John Howard Griffin; Louis Martin, Deputy Chairman of the Democratic National Committee; Cecil Moore and Bayard Rustin, civil rights leaders; and G. Mennen Williams, Assistant Secretary of State for African Affairs.

The drama season included performances by the Lincoln University Players of Beckett's *Waiting for Godot*, Duncan's *Our Lady's Tumbler*, and Molière's *Doctor in Spite of His Body*; by the Buxton School of Benet's *John Brown's Body*; and by the Lincoln Community Players of Shaw's *Arms and the Man*, and his *Dark Lady of the Sonnets* given as part of a Shakespeare Festival. The Festival also included four groups of readings by students, faculty members and Community Players, and the three films, *Hamlet*, *Macbeth* and

Assembly speakers: Louis Martin (left) and the Honorable G. Mennen Williams





The Honorable William P. Young, '17; Secretary of Labor and Industry, Commonwealth of Pennsylvania

Henry V. Included among the films shown each week were such masterpieces as *La Dolce Vita*, *Ikiru*, *The Mouse That Roared*, *Raisin in the Sun*, *Virgin Spring*, and *Wild Strawberries*.

In the area of international relations, the African Center sponsored a series of documentary films including *Cry the Beloved Country*, *Revolution in Angola*, and *Festival of African Art*, and a program of dialogues on African countries including films and speakers on Nigeria, Southern Rhodesia, Tanganyika, and South Africa with Dr. George Henry of Cornell University speaking on "Cultural Shocks and Experiences of an American Negro in South Africa."

ATTENDANCE AT WEEKLY ASSEMBLIES featuring guest speakers, student programs, the University president and faculty members is required. Unexcused absence from six Assemblies in one semester results in suspension for one week, with expulsion a penalty for additional unexcused absences.

THE LINCOLN UNIVERSITY STUDENT SENATE, organized in 1946, is the student government organization which cooperates with the University committee on student personnel and the committee on student welfare in matters relating to student government, activities and conduct.

Clubs reflecting special interests such as biology, chemistry, chess, drama, debating, English, history philosophy, and political science; organizations such as the International Student Union and the African Students Union; intercollegiate and intramural sports; societies of a scholarly or religious nature, and both cultural and social activities are represented in the following sampling:

THE LINCOLN UNIVERSITY CHAPTER OF THE NATIONAL ASSOCIATION for the ADVANCEMENT OF COLORED PEOPLE carries out in the University and the neighborhood the aims of this organization.

THE VARSITY CLUB, composed of students who have won their "L" in any sport, fosters student morale and encourages good sportmanship.

THE LINCOLN CHAPTER OF THE ALPHA KAPPA ALPHA HONORARY FRATERNITY IN PHILOSOPHY sponsors discussions of philosophical topics.

THE ALPHA CHAPTER OF THE BETA KAPPA CHI HONORARY SCIENTIFIC SOCIETY elects to membership those students who have met the requirements of the Society by completing at least sixty-four semester hours of college work, 17 semester hours of which shall be in one of the sciences recognized by this Society, with a grade of at least "B". The aims of the Society are to encourage and advance scientific education through original investigation, the dissemination of scientific knowledge and the stimulation of high scholarship in pure and applied science.

THE PHI KAPPA EPSILON HONOR SOCIETY has for its purposes the encouragement of high scholarship, the acquisition of knowledge and the ability to undertake accurate research.

The society elects to membership upperclassmen who have a cumulative average of 1.67 for a minimum of three semesters exclusive of their freshman year. The student must submit a research paper or the results of a research project to his major professor and receive the approval of the major professor prior to election. Transfer students must be in residence at Lincoln two semesters before being considered for election.

THE UNIVERSITY GLEE CLUB is open to all students of the college who qualify in semiannual tryouts. Members in good standing are eligible to receive one credit hour yearly upon recommendation of the director. In addition to accepting frequent off-campus engagements, the Glee Club schedules an annual concert tour and presents a Christmas Musicale and a Spring Concert on campus.

THE UNIVERSITY ENSEMBLE is a vocal group of twelve singers picked from the Glee Club and usually featured in the concert programs. There is a stipend attached to the services of the Ensemble, which furnishes the music for the Sunday Chapel services.



Scene from Beckett's "Waiting for Godot"

THE LINCOLN UNIVERSITY PLAYERS generally present two formal productions and at least one informal or workshop performance each year, cooperate in the productions on campus of the Lincoln Community Players, and sponsor other dramatic events on campus. Membership is open to all students who have taken active part in the performance or production of at least two plays. The season generally includes the exchange of productions with dramatic groups in neighboring colleges.

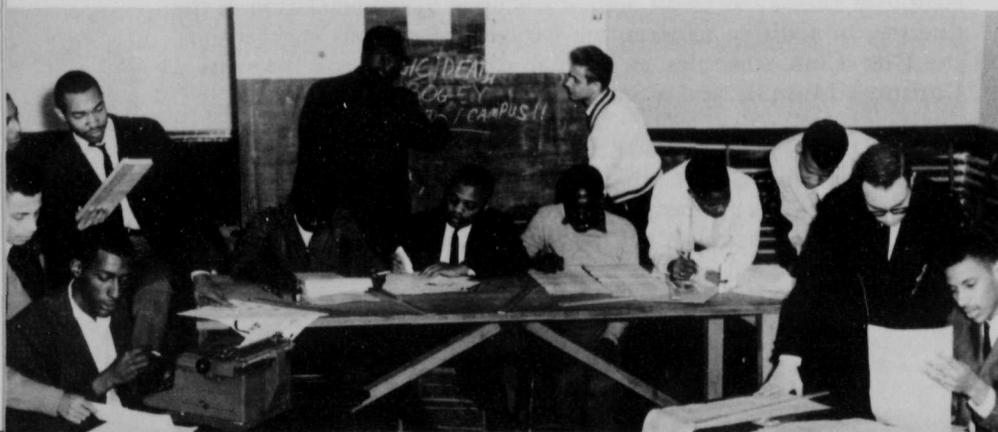
STUDENT PUBLICATIONS include *The Lincolnian* and its literary supplement, published eight times a year as an activity of the class in journalism; and *The Lion*, the senior yearbook.

CHAPTERS of the following intercollegiate fraternities sponsor social and cultural events on campus: Alpha Phi Alpha, Kappa Alpha Psi, Omega Psi Phi, Phi Beta Sigma, and Beta Sigma Tau.

FACILITIES for co-curricular and student activities include the Student Union, the Chapel and Little Theatre, the Auditorium, the Ladies Auxiliary Guest House, the gymnasium, and grounds. Included are four handball courts; soccer, football and intramural football fields, a baseball diamond and softball field, seven tennis courts, and a five-hole practice golf course.

Game rooms and music listening booths as well as meeting rooms, lounges, bookstore, and snack bar are contained in the Student Union.

Editorial office of the *Lincolnian*



Religious Institutions and Opportunities

The Chaplain of the University is charged with the conduct of public worship and, in consultation with the Committee on Religious Activities, with the maintenance and quickening of the religious life of the University. The Chaplain is available to all students for consultation. He also serves as the co-ordinator of religious activities of the University.

THE ASHMUN CHURCH holds its worship service each Sunday morning in the Mary Dod Brown Memorial Chapel on campus. While the Ashmun Church is organized by the local Presbytery of Donegal as a Presbyterian Church, members of all denominations are received, and letters of dismission to churches of other denominations are given.

There are clubs for various denominational groups on campus.

THE JOHN MILLER DICKEY SERVICE SOCIETY is composed of college students who plan to enter the ministry. It meets twice a month for the discussion of religious and social topics.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION cooperates with the national, the state, and the southern branches of the Association, and promotes locally a program of religious and recreational activity.

The Athletic Program

Physical education, as well as the program of intercollegiate and intramural athletics, is a part of the curriculum and therefore subject to faculty control and regulation.

PHYSICAL EDUCATION

The importance of physical education and physical fitness is recognized in the effort made to provide a varied program designed to meet the needs and to reflect the interests of the students. All full time students are required to take at least three hours a week of physical education during each of the first two years of enrollment unless excused by the University Physician or unless comparable training has been had in the armed forces or elsewhere.

INTERCOLLEGIATE ATHLETICS

The objective of the program of intercollegiate athletics is the development of health, sportsmanship, group loyalty, and wholesome living among the greatest possible number of students.

All varsity sports conducted or supported by the University are considered major sports. Any regular student, presently enrolled and carrying a minimum of twelve semester hours of academic work, may participate in co-curricular activities including varsity sports. To

compete in two varsity sports simultaneously, a student must have permission from the Dean of the College and the University Physician.

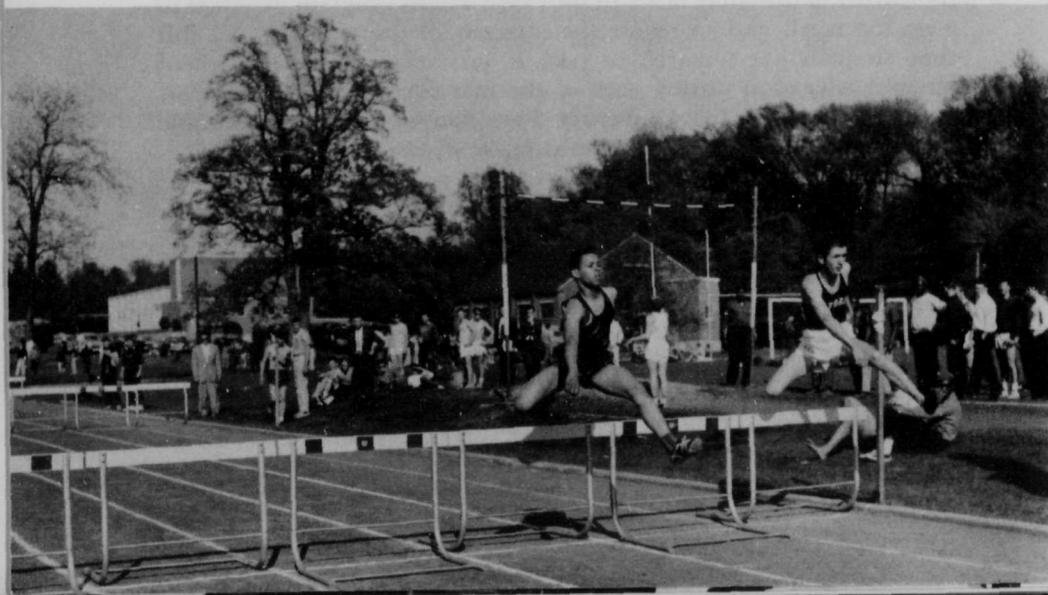
Participants in intercollegiate athletics are expected to meet the same standards of academic performance, need, and leadership qualities that are required of other students to qualify for financial assistance. Lincoln University belongs to the following conferences: N.C.A.A., E.C.A.C., N.A.I.A., I.C.A.A.A.A., and The Delaware Valley Conference.

INTRAMURAL SPORTS

About two-thirds of those enrolled at Lincoln choose to be involved in an intramural sports program which affords opportunity to all students for active participation in organized physical activities. The program provides recreational opportunities for students, faculty and their families, and guests in a variety of activities including bowling, touch football, football skills, table tennis, badminton, volleyball, golf, softball, weight training, trampoline, horseshoes, handball, and basketball. League play and tournaments organized on both team and individual basis are held in most of the activities.

It is hoped that every student will participate in an intramural activity and that, through participation, he will develop a wholesome attitude toward physical activity as a leisure time pursuit.

The Lincoln University Relays, sponsored by the athletic department, are a major event for high schools within a radius of 25 miles





International interest in soccer accounts for a strong team which won 6 of 7 games last season; Captain Ernest Azikiwe was selected as center on 1963 All-Pennsylvania-Delaware-New Jersey team.

Health Program

The conservation of health and the maintenance of sanitary conditions in the University are under the direct charge of a resident University Physician. There is an infirmary on the campus where students suffering from minor ailments may get special care. Cases requiring hospitalization are cared for at the Community Memorial Hospital.

The Health and Medical Fee, which is part of the General Fee, is paid by all students. It is designed to cover the cost of ordinary medical attention, simple prescriptions, and a maximum of ten days hospitalization (limited to room and board) in a school year upon recommendation of the University Physician. The University does not assume responsibility for providing medical care for extended periods and for more than ordinary attention. The student is referred to his personal physician for extended care and treatment. The student must bear the cost of this care and treatment, as well as the cost of any medicines, special procedures, and operations.

Students and parents are urged to avail themselves of the services of *private health insurance companies* for coverage of the expenses of illness and treatment beyond that provided by the University Health Service.

Before final admission, each student is required to have a comprehensive medical examination to provide information required in the form approved by the Health Committee. It is the responsibility of the student to have this blank filled in and signed, preferably by his family physician. The blank should be returned with the student's room deposit.

African Program

Lincoln University has had an international orientation since its inception in 1854 as Ashmun Institute. The Reverend John Miller Dickey and other leaders in the American Colonization Society had as their original purpose in founding the Institute the training of young missionaries for service in Africa. Three members of the first graduating class of 1859 went so to serve in Liberia.

Lincoln University was also one of the first, if not the first, institution of higher education in this country to welcome students from Africa. Among the many distinguished African alumni of Lincoln University are heads of state, foreign ministers and diplomats, clergymen, educators, doctors, lawyers, financiers and industrialists who, in serving the newly emerging nations of Africa, have given Lincoln a unique reputation on that continent.

That tradition continues to be a characteristic feature of Lincoln University. Its library contains a notable collection of American Negro and African literature, periodicals and documents of research value, and four significant collections of African art and artifacts. Its curriculum and special programs also reflect that orientation.

The African Center, the first institution of its kind in the country, was established in 1961-62 under a grant from the State Department. It continues to serve students from areas in Africa which still have colonial or territorial status. The 1963-64 program was conducted for fifty-four students from Angola, Kenya, Mozambique, Republic of South Africa, South West Africa, Southern Rhodesia and Northern Rhodesia.

Early in 1963 Lincoln University became the first institution of its size to be assigned a Peace Corps Unit. Fifty-seven men and women



were trained for service as elementary school teachers in rural areas of Liberia.

For the past three summers Lincoln University has conducted a variety of programs for the African Center students, for foreign students enrolled or about to be enrolled in other colleges and universities, and for students commuting from nearby communities.

The international and interracial character and tradition of the University offer students interested in human relations, civil liberties, political science and international affairs an unusual opportunity for developing the sensitivity which gives more than academic value to a curriculum rich in African studies, political and social science, and the humanities.

Buildings

LIBRARY AND CLASSROOMS

VAIL MEMORIAL LIBRARY is centrally located on the campus. The capacity of the original library, opened in 1899, was doubled by the construction of a wing and the original structure was renovated in 1954.

The book collection of almost 90,000 volumes (including bound periodicals) is well distributed throughout the major branches of knowledge. The current rate of additions is approximately 3,000 volumes per year. About 450 periodicals are currently received.

Reading and study facilities conform to standards prescribed for institutions of Lincoln's size. In addition to reference rooms there is a "browsing room" with an open collection of books of general interest. There are seminar rooms for small conferences and study groups, and a language laboratory is temporarily installed in the library building.

There is a special collection of Negro and African literature, including Negro history and sociology. The library also houses the Susan Reynolds Underhill Collection and three other collections of African art and artifacts.

FINE ARTS AND HUMANITIES BUILDING, scheduled for completion in August of 1965 under an appropriation of \$700,000 from the General State Authority of the Commonwealth of Pennsylvania and with an equipment grant of \$250,000 from a generous benefactor, will include a modern language laboratory; a library of recordings, tapes and films; a small auditorium with a projection room and large screen television, high-fidelity radio, and phonograph equipment for the study of the fine arts and cinema; a practice room for choral and instrumental music; seminar and class rooms, including



Science Hall will be doubled in size and completely modernized under Longwood Foundation grant.

special facilities for public speaking and debate; a little theatre designed for easy conversion to each of the three main types of theatrical production (arena, open, and proscenium arch); a studio of the fine arts, a combination lobby and gallery for art exhibits, fourteen small practice and listening rooms, and offices for faculty members.

SCIENCE HALL, erected in 1925 with funds contributed by the Alumni Association and other friends including the General Education Board and Mr. Pierre S. duPont, will be doubled in size and completely modernized and equipped under a grant of \$500,000 made in 1963 by The Longwood Foundation for study and research in the life sciences including anthropology, biology, geology, and psychology.

UNIVERSITY HALL is a three-story brick structure built in 1891 and containing seventeen large rooms recently reconditioned for lecture and recitation purposes.

WRIGHT HALL is named in memory of Walter Livingston Wright, who served successively from 1893 to 1945 as professor of mathematics, vice-president, and president. The building was erected in 1960 by the General State Authority of Pennsylvania at a cost of \$690,000. It is equipped with modern facilities for teaching and for research in the physical sciences and mathematics.



Mary Dod Brown Memorial Chapel

Lincoln Hall



ADMINISTRATION AND CO-CURRICULAR ACTIVITIES

THE MARY DOD BROWN MEMORIAL CHAPEL, gift of the late Mrs. Susan Dod Brown, of Princeton, N. J., is a Gothic structure of dark red brick built in 1892 and containing an audience room for 400 persons; a Little Theatre with a seating capacity of 200; and facilities for the Music Department.

AUDITORIUM, built in 1935 with funds contributed by Miss Susan Gorgas, members of the alumni, and the General Education Board, is used for physical education activities, motion pictures, and social events.

GRIM GYMNASIUM, made available by the Federal Works Agency as part of the Veterans Educational Facilities program, was completed in 1947.

THE STUDENT UNION was completed in January of 1964 under a grant of \$842,300 from the General State Authority of Pennsylvania. It serves as a center for all co-curricular activities and includes the main dining hall for all students, a dining room for smaller groups, and a snack bar; the bookstore and student post office, lounges, game rooms, and meeting places for student activities.

LINCOLN HALL, built in 1866 and completely remodeled in 1961-62, houses the administrative officers including the president, the vice presidents, the deans, the registrar, the counselors on admissions, and the business office.

ALUMNI HOUSE, formerly used as a residence for the president of the University, now provides housing facilities and meeting places for students, alumni, and guests.

LADIES AUXILIARY GUEST HOUSE was built and furnished in 1954 with funds raised by the Ladies Auxiliary of Lincoln University to provide accommodations for overnight guests and for student activities.

DORMITORIES

The University buildings used as dormitories accommodate about 400 students. Each room is provided with the essential articles of furniture, such as desks, chairs, tables, and beds. Repairs are made by the University, but extraordinary damage is corrected at the expense of those who occupy the rooms.

Each student must bring with him three pillowcases, four sheets for single beds, and sufficient blankets and towels, all marked with the full name of the student. Sheets and pillowcases are laundered by the



Cresson Hall

Rendall Hall



University without additional charge to the student. Coin machines for washing and drying clothes are installed in two of the dormitories; commercial laundry facilities are available in nearby Oxford.

Students who reside in the dormitories take their meals in the dining hall.

CRESSON HALL was built in 1870 with funds secured from the Freedmen's Bureau through the efforts of General O. O. Howard, then a trustee of Lincoln University. It was reconditioned and refurnished in 1961.

HOUSTON HALL was erected in 1881 as a gift of the late H. H. Houston of Philadelphia.

RENDALL HALL, erected in 1931, was named in honor of two former presidents of the University, Isaac N. Rendall and his nephew, John B. Rendall, and built with funds provided by the General Education Board, the Julius Rosenwald Fund, Miss Carolina Hazard, Mr. Pierre S. duPont, Mr. J. Frederick Talcott, and other generous friends.

MC CAULEY HALL is a three-story brick building erected in 1904 as a gift from the late Dr. Thomas McCauley and Mrs. Mary D. McCauley. It served as the University dining hall until the Student Union was completed in 1964. Plans are being made for converting it into a dormitory.

MCRARY HALL was built in 1956 to accommodate 126 students.

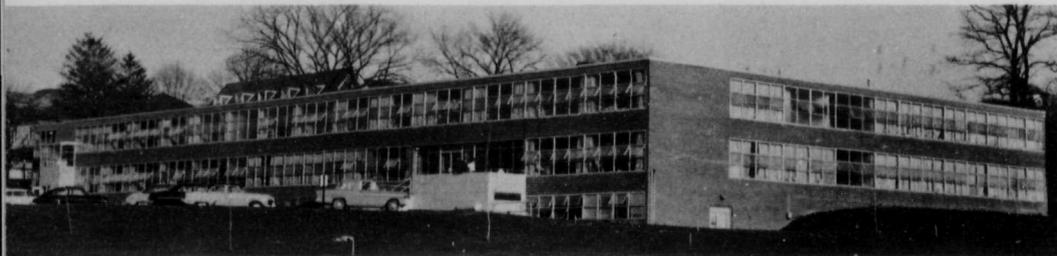
Within the next two years a new men's dormitory will be constructed.

FACULTY HOMES AND SERVICE FACILITIES

Twenty-one buildings on campus are used as residences for professors, administrators, and other members of the University staff.

A new central heating plant and auxiliary maintenance shop was completed in the spring of 1963 under a grant from the General State Authority of Pennsylvania.

McRary Hall



University Regulations

ACADEMIC REGULATIONS

Election of Courses

Lincoln seeks to maintain its traditional role in preparing students for service to society at home and abroad by requiring courses in each of the broad fields of human knowledge, by providing an extensive program of co-curricular and student activities, and by requiring the study in depth of a single field of concentration and a comprehensive examination in that field. This philosophy is reflected in the requirements for graduation outlined on page 40.

All students should therefore consult their faculty adviser before making a final choice of courses. After the sophomore year, students should confer with the professor in charge of their major study in selecting courses required in that field of concentration and in keeping with the cultural interests and aspirations of the student. The following general regulations are operative:

1. The normal minimum load is 12 semester hours. Freshmen may carry a maximum of 17 hours per semester. Other students may carry a maximum of 18 hours, but students with an average of 2.20 or better during the previous semester may carry hours in excess of 18, with the approval of the Dean of the College.

2. Students must consult with their faculty adviser before dropping a course or changing courses. All such changes must be made in the office of the Registrar. If for any reason a student drops a course without the consent of the instructor and the Registrar, he will be given a failing grade in that course. Such a failing grade may, however, be appealed by the student to the Committee on Academic Standing. Findings of that Committee must be reported to the faculty.

3. Under the conditions stated above, students shall be permitted to drop courses or change courses each semester without penalty within ten days after classes are in session.

4. The granting of permission to drop or change a course after ten days shall be the responsibility of the Registrar in consultation with the appropriate administrative officer and with the written consent of the instructors concerned.

5. If extraordinary circumstances warrant, students shall be permitted to drop courses at any time without penalty by permission of the Registrar in consultation with the appropriate administrative officer and with the consent of the instructor.

6. In the case of students withdrawing from the institution or from a subject, the office of the Registrar will be charged with the responsibility of placing on the student's permanent record the letter "W" after each subject if the withdrawal is made before the mid-semester examination period. If the withdrawal occurs after the mid-semester examination period, the Registrar shall place on the student's permanent record "WP" (withdrew passing) or "WF" (withdrew failing), whichever is reported by the faculty member at the time of the student's withdrawal. A "WF" grade for withdrawal from a subject after the mid-semester period shall be recorded and averaged as a grade 5. The Registrar shall place in the student's file any other pertinent information available.

7. Students transferring to Lincoln University must satisfy its requirements for graduation. At least twelve hours in the major field must be taken at Lincoln University; the requirement of a laboratory science and its prerequisites and the foreign language requirement must be satisfied. No exceptions will be granted to these regulations save by vote of the Faculty upon recommendation of the Committee on Admissions.

Requirements for Major Studies

1. Students will confer with the major supervisor (usually the departmental head or the division chairman) during their fourth semester in college.

2. Application to major must be made in writing on cards provided by the college Registrar and filed in the Registrar's office before the end of the fourth semester. A program of courses for the remaining semesters, approved by the major supervisor as counting specifically toward the major, must be listed on these cards.

3. The normal load expected for a qualifying major is twenty-four semester hours above the basic course.

4. At the discretion of the major supervisor, a maximum of six hours of work may be taken in related fields and credited toward the major.

5. Responsibility for filing credentials as a major rests solely with the student.

6. Once accepted as a departmental major, a student has a right to remain as a major in that department so long as he continues in college.

7. A student may change his departmental major only with the consent of the Dean of the College and the departments concerned.

8. Student candidates may be rejected by any department for scholastic reasons only.

9. A Group 3 standing (see page 39), defined as a minimum cumulative average of 3.20, must be attained in the department involved to qualify for consideration as a major in that area, and that minimum average must be maintained and the Comprehensive Examination requirement must be met to satisfy the major requirement. Exceptions to this scholastic average may be made only with the consent of the Dean of the College.

10. Major supervisors shall merely advise students regarding elective courses. The elective privileges of the student must not be abridged.

11. Students shall consult their major supervisors during the last two weeks of each semester in college. The purpose of such consultation is to review the student's program of courses.

Honors Program

An Honors Program, directed by the department in which the student specializes, has been in effect since September, 1961. The Curriculum Committee or an Honors Council will appoint an advisory committee for each student participating in the program.

Students selected for the program must have shown exceptional ability by establishing a 2.00 average or better for a minimum of three semesters at Lincoln. They must maintain a 2.00 average or better and, upon completion of their work, submit in writing to the Curriculum Committee or Council a summary of the work pursued and take an oral examination given by the Council. Upon satisfactory completion of the written summary and oral examination, the student will be recommended for graduation "with distinction" in his major field. This citation will be placed on the student's diploma and so listed in the commencement program.

Terms and Vacations

The University year includes thirty-six weeks of term time, divided into two semesters. There is a Thanksgiving recess of four days, a Christmas recess of two weeks, and a Spring recess of one week. Commencement Day is the Sunday preceding the first Monday in June. The school year begins on the third Tuesday in September.

Examinations

Two series of stated examinations are held each year: the midyear examinations in January, and the final examinations in May. Those absent during these examination periods may, with the permission of the Dean of Students, take special examinations to be given as soon as possible after the stated examination period.

A student may not absent himself from a term examination without a written permit from the Dean of Students. Upon presentation of such a permit a student is allowed to take the examination at a later date without fee. If he fails to take it then, he must either repeat the course or lose credit. A student who absents himself without procuring a permit will be given a failing grade.

Mid-semester examinations are also held each term to give both the student and the teacher an indication of progress achieved during the first half of each semester. The parents of students with unsatisfactory standing at the end of these testing periods are notified by the Dean of the College.

Other examinations are given as planned by the professor.

Comprehensive Examinations

Comprehensive examinations in the major field, or the Advanced Test of the Graduate Record Examination which may be used in place of a comprehensive examination, shall be given to all seniors during the spring semester.

If the Graduate Record Examination is used by a department instead of a comprehensive examination, the department chairman shall report in writing to the Dean of the College the achievement norm required for "passing" or "failing"

All department chairmen must file the results of these examinations in the Registrar's Office as "passed" or "failed" not later than May 1.

Candidates who fail the comprehensive examination or who do not attain the achievement norm established by the department chairman as a passing grade in the Graduate Record Examination may, with permission of the department chairman, be permitted to take one re-examination by the department after the first comprehensive examination, but not later than May 15. The department chairman must report to the Registrar as soon as possible the results of this re-examination. Re-examinations may be written, oral, or both.

Grades and Academic Standing

The student's performance in a course is rated by the instructor at the end of each semester according to the following grade system: 1, excellent; 2, good; 3, fair or average; 4, poor; and 5, failing. The notation, *Incomplete*, is given only when the student has obtained, in advance, permission of the instructor to postpone for a short time the submission of work which must be turned in before a specific grade can be reported. Work which is still incomplete three weeks after the end of the semester shall be entered as a 5 in determining a final grade for the course.

The general group standing and the rank of a student in his class is determined by multiplying the numerical grade received in each course by the number of credit hours granted for that course and dividing the sum of those products by the total number of credit hours involved. The highest group standing (Group 1) ranges from a low of 1.30 to a high of 1.00; Group 2 ranges from a low of 2.20 to a high of 1.31; Group 3 from a low of 3.20 to a high of 2.21; and Group 4 from a low of 4.20 to a high of 3.21. The normal expectation is that Group 1 will include not more than 10 per cent, Group 2 not more than 20 per cent, and Group 3 not more than 50 per cent of the class.

Classification of Students

The freshmen and sophomores constitute the lower classes; the juniors and seniors the upper. No freshman will be advanced to the sophomore class until he has passed his assigned work in English Composition and physical education. At the end of the sophomore year the record of all students will be carefully examined. Those who have a general average of Group 3 and who show promise of future development will be advanced to the upper classes.

Students are classified as follows:

Freshmen: those who have completed less than 27 hours.

Sophomores: those who have completed 27 to 60 semester hours.

Juniors: those who have completed 60 to 92 semester hours.

Seniors: those who have completed more than 92 semester hours.

Unclassified: students who have transferred from other colleges, but whose transfer credits have not yet been evaluated; and students who are pursuing studies at the University, but are not candidates for a degree.

Regulations for the Control of Absences

Lincoln University uses the class method of teaching which assumes that each student has something to contribute to, and something to gain from, attending classes. It further assumes that there is much more instruction absorbed in the classroom than can be tested on examinations. Therefore:

- (1) Students are expected to attend all regularly scheduled class meetings, and should exhibit good faith in this regard.
- (2) It is not sufficient for a student merely to pass the examinations which are conducted in course.
- (3) Attendance requirements deemed necessary to the satisfactory conduct of a course are set by the instructor, subject to the general regulations of the college faculty. Students are advised

of attendance requirements by the instructor and a statement on attendance is filed with the Dean of the College.

Probation and Dismissal

In its efforts to maintain high academic standards the University reluctantly resorts to dismissal or probationary status for students who are unwilling or unable to maintain acceptable standards.

Freshmen and sophomores are placed on academic probation if they fail to maintain a cumulative average of 3.35; juniors and seniors are placed on probation if they fail, at the close of any semester, to maintain a cumulative average of 3.20. The student will be notified of his status in writing by the Dean of the College. Probationary status must be removed by raising the cumulative average to those minimum figures within one year after notice of probationary status. Students who fail to remove the probationary status are notified by the Committee on Academic Standing after review of their individual cases.

Students on probation, exclusive of entering freshmen, may not carry more than 15 semester hours of work and are subject to such remedial measures as the Committee on Academic Standing deems necessary.

A student whose academic average after five semesters is not 3.20 or better and who, for the balance of his college career, must earn an average better than any previously achieved, will be placed on probation for one semester. If the required average is not attained during the semester of probation the student will not be permitted to return. The same procedure shall apply to students after their sixth and seventh semesters.

Only those students whose cumulative average is 3.20 or better will be considered for graduation. If a student fails to earn the 3.20 average required during his eighth semester, he shall be permitted only one more semester to attain that average.

Students who fail half of their total load of courses in any semester, including as many as three courses with three different instructors, are not allowed to continue.

Re-admission after academic suspension shall be considered only upon written application by the student to the Committee.

Requirements for Graduation

Course requirements made effective in September 1960 remain in force except that, beginning with the graduating Class of 1966, a comprehensive examination must be passed or a prescribed achievement norm in the Advanced Test of the Graduate Record

Examination in the major field must be attained, and the minimum requirements for graduation from Lincoln University are reduced from 128 to 124 semester hours with the following distribution:

	<i>Semester Hours</i>
Humanities	
English Composition	6
Literature	6
Philosophy, Religion or a combination of both	6
Foreign Language	6-12
Introduction to Art	2
Introduction to Music	2
Natural Science and Mathematics in two different departments, and including at least one laboratory science	14
Social Sciences (in at least 3 different departments)	12
Physical Education	4
Major field of study	27-31
Electives	39-29

124

A student may have the requirements in art or music waived by passing an examination given during his freshman or sophomore year by the department offering those courses.

Each candidate for graduation must complete a major, including a comprehensive examination or its equivalent in a field of study, and at least 124 semester hours with a general group standing of not less than 3.20. The work is to be spread over a period of eight semesters, during each of which a minimum of 12 hours must be successfully completed. Each member of the senior class is also required to take the Graduate Record Examination.

Upon the satisfactory completion of these requirements, the student is recommended by the Faculty to the Board of Trustees for the degree of Bachelor of Arts. Diplomas are issued only at the June commencement. A student may complete the requirements at the end of either semester, provided the last two semesters are taken at Lincoln University.

Students with a cumulative average, for a minimum of six semesters at Lincoln University, of 1.00 to 1.30 shall graduate *summa cum laude*; those with a cumulative average of 1.31 to 1.65 shall graduate *magna cum laude*; and those with a cumulative average of 1.66 to 2.00 for a minimum of six semesters at Lincoln University shall graduate *cum laude*.

GENERAL REGULATIONS

It is assumed that students will observe the same proprieties expected of them by their families and that they will treat University property with the same consideration as their own. Specific regulations are brought to the attention of every student by posting, by announcement, or by inclusion in the catalogue. Violation of regulations will not be excused on the plea of ignorance.

A few general regulations governing the behavior of students are, for convenience, given here rather than in a separate manual:

1. The use or possession of firearms on University property is prohibited.

2. The use, possession, or transportation of intoxicating liquors on the grounds or in the buildings of the University is prohibited.

3. As a safeguard against the hazard of fire, and in the interest of student health and sanitary living conditions, smoking is prohibited in the classrooms and the hallways of University Hall, Science Hall, Wright Hall, the Library, the Chapel, Grim Gymnasium, the Little Theatre, and the Music Studio.

4. In seeking the truth, in learning to think objectively, and in preparing for a life of constructive service, honesty is imperative. Honesty in the classroom and in the preparation of papers is therefore expected of all students. All instances of dishonest work, whether in the form of cheating or plagiarism (as defined in a statement prepared by the English Department), will be reported to, and recorded by, the Dean of the College. Students guilty of repeated offenses shall be liable to suspension from the college by action of the Committee on Academic Standing.



5. All student organizations must be approved by the Faculty and must be officially authorized to carry on programs, recruit members, or to use the name and facilities of the University. The formation or continued existence of a student organization is dependent upon the observance by its members of University regulations and upon making a positive contribution to the objectives of the University.

6. Hazing is prohibited because it is detrimental to the welfare of students, especially to new students who are making adjustments to college life.

7. The University reserves the right to dismiss or suspend at any time, students whose academic standing is not acceptable or whose conduct it regards as undesirable; no reason for requiring such withdrawal need be given and the fees due or already paid to the University will be neither refunded nor remitted in whole or in part.

8. Individual students will be held responsible for the conduct of all visitors they may have in the dormitories. The overnight accommodation of male visitors must be reported in advance to the office of the Dean of Students.

9. No women are admitted to the dormitories at any time without permission from the office of the Dean of Students. Regulations will be issued governing visiting in one or more of the dormitories which may be specifically opened for special occasions.

To assure satisfactory housing and recreational facilities, all social events must be planned in collaboration with the Dean of Students. Accommodations for a limited number of overnight guests are generally available in the Guest House. Arrangements should be made in advance.

10. No changes in the electrical wiring of dormitory rooms may be made, and no additional electrical fixtures or appliances may be installed or used except by permission of the Superintendent of Buildings and Grounds. Request for such permission must be made in writing and, if permission is granted, the necessary electrical work must be done by an electrician designated by the University. Violation of this regulation will result in the confiscation of unauthorized fixtures and appliances.

Dormitory rooms must not be redecorated nor may any structural changes be made except by permission of the Superintendent.

Officials of the University or their duly designated representatives have the right to inspect any of the rooms occupied by students.

Programs of Study

The schedule of courses for freshmen and sophomores is designed to provide a broad general background in the liberal arts and to encourage the exploration of various disciplines required for intelligent choice of an area of concentration. Courses in general education required for graduation (listed on page 40) are identical for all students and should be completed as early as possible, preferably during the first two years. The schedules would be approximately as follows:

Freshman Year

English Composition
Foreign Language
Natural Science
Mathematics or World Geography
Religion or Social Science
Physical Education

Sophomore Year

English or General Literature
Foreign Language or Elective
Natural Science or Geology
Philosophy or Religion
Art and Music or Social Science
Physical Education

For juniors and seniors the course selections will be largely determined by the department in which they have been accepted as a major. The student, however, is responsible for meeting the requirements for graduation as listed on page 40.

I. Preparation for Engineering

Lincoln University has entered into agreements with Drexel Institute of Technology, Lafayette College, and Pennsylvania State University to enable students to earn both a bachelor's degree from Lincoln University and an engineering degree from the cooperating institution at the end of five or six years. This greatly reduces the disadvantages of over-specialization inherent in a four-year engineering education and provides both a liberal and a professional education at minimum cost.

In the case of Lafayette College or Pennsylvania State University, the plan provides for three years of study at Lincoln University where liberal arts subjects and pre-engineering courses in mathematics, science and related subjects are taken. The last two years are spent at Lafayette College or Pennsylvania State University where the engineering requirements are completed.

The agreement with Drexel Institute of Technology provides for three years of study at Lincoln University and three years at Drexel, under a cooperative engineering plan whereby the student spends six quarters in school and five quarters working in industry.

Under these agreements an engineering degree may be earned in Administrative Engineering, Aero-space Engineering, Agricultural Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering or Metallurgical Engineering.

It is assumed that a student interested in becoming an engineer will come to Lincoln University well prepared in the fundamental subjects of mathematics, chemistry, and physics.

II. Preparation for International Service

Lincoln University has entered into an agreement with the School of International Service of the American University under which a student may, after the successful completion of three years of study at Lincoln and with the recommendation of the University, be admitted to a two-year program at American University. Successful completion of the five-year program leads to an A.B. degree from Lincoln and a Master of International Service degree from American University with a concentration in one of the following fields: Foreign Service, Business Representation Overseas, Church Missions, International Administration, Overseas and International Labor, or Overseas Representation (United States Information Agency or Journalism or a combination of both).

Suggested Program at Lincoln

<i>First Year</i>	<i>Credit Hours</i>	<i>Second Year</i>	<i>Credit Hours</i>
English Composition	6	English or World Literature	6
Foreign Language	6	Language or Sociology	6
Laboratory Science	8	Economics	6
Philosophy or Religion	6	American Government and Political Parties	6
Modern European History	6	Mathematics	6
Physical Education	2	Physical Education	2
	—		—
	34		32
	<i>Credit Hours</i>	<i>Fourth and Fifth Year At American</i>	<i>Credit Hours</i>
<i>Third Year</i>		1 or 2 courses in major field in Fourth Year	6-12
Art and Music	4	Elective courses in fourth year (18-24 hours) and fifth year will be planned by the student in cooperation with his major adviser at American University. Depending upon the program selected, 12 to 18 hours of work toward the major must be completed at Lincoln.	
General Psychology, Sociology	6		
2 or 3 courses in major field: Economics, History, Philosophy, Political Science, Religion, Sociology	12-18		
Electives	3-9		

If a student should discontinue the program before completing his fifth year, his petition for an A.B. degree from Lincoln will be given individual consideration if he has completed the normal requirements for graduation.

III. Preparation for the Study of Law

The Association of American Law Schools, composed of the eighty leading law schools of the country, suggests that the principal aim of the college course should be to give the student a thorough mental training by means of such fundamental subjects as English, history, the natural and social sciences, and foreign languages.

The student who wishes to enter upon the study of law after completing his undergraduate course should include in his electives the following subjects: economics, English, history, philosophy, logic, political science, public speaking and argumentation, sociology, and Latin.

IV. Preparation for the Study of Medicine

The Council on Medical Education of the American Medical Association sets forth the following as minimum requirements for admission to a Class A medical school:

<i>Required</i>	<i>Sem.</i>	
<i>Subjects</i>	<i>Hours</i>	<i>Lincoln University Courses</i>
Chemistry	12	Chemistry .....103-04, 203-04
Physics	8	Physics .....101-02
Biology	8	Biology .....101-02
English Composition	6	English .....101-02
English Literature	6	English .....207-08
Foreign Language	6	French or
Electives	20	German .....101-02, 201-02

Recommended Subjects

Advanced biology	201-02
Psychology and logic	201 and 103
Algebra and trigonometry	103-04
Additional chemistry	201-02 and 301-02

V. Preparation for Social Work

Students interested in preparing for positions in the field of social work are advised to schedule their courses in the sequence listed below. It is the Lincoln philosophy that such students be prepared to enter this field equipped with social vision and knowledge so that they will view social work not only as a job to be well done but also as an opportunity to contribute to and participate in the social reconstruction of our contemporary life.

Freshman Year
 English 101-02
 Foreign Language
 History
 Philosophy or Religion
 Science or Mathematics

Sophomore Year
 English 207-08
 Economics
 Foreign Language
 or elective
 Art and Music
 Sociology
 History

*Junior Year and
 Senior Year*
 Sociology
 Psychology
 Philosophy
 Political Science
 Economics
 Ethics
 History

VI. Preparation for Teaching

The courses in education given at Lincoln are intended to qualify the student to receive the "Provisional College Certificate" issued by the Department of Public Instruction, Commonwealth of Pennsylvania. This certificate enables the holder to teach for three years in any public high school of the Commonwealth the subjects indicated on its face. The applicant must be a graduate of an approved college or university and must have successfully completed at least twenty semester hours of work of college grade in education distributed as follows: Introduction to Education, 3 semester hours; Educational Psychology, 3 semester hours; General Methods in Secondary Education, 3 semester hours; Tests and Measurements, 3 semester hours; a course in the teaching of reading, 2 semester hours; and Practice Teaching in the appropriate field, 6 semester hours.

It is also possible for the student to qualify for high school teaching in other states by adapting his electives in education to include the subjects required. For details of these requirements consult the Department of Education.

Three Lincoln students selected to serve in Africa (summer, 1963) meet on campus with alumnus, Dr. James H. Robinson, founder and director of Operation Crossroads-Africa



VII. Preparation for the Study of Theology

The completion of a standard college course and the acquirement of the corresponding degree is required by most theological schools. Majors in English, philosophy, or history are regarded as desirable.

VIII. Preparation for General Business

Students interested in a career in business may complete a major in this field. The program of studies includes 24 semester hours of credit in courses in business, inclusive of Economics 201-202 but in addition to the basic course, Principles of Accounting. A suggested program of studies is the following:

<i>Freshman Year</i>	<i>Sophomore Year</i>	<i>Junior Year and Senior Year</i>
English Composition	World Literature	Two courses in Business
Introduction to Mathematics	Principles of Economics	Art and Music Electives
Foreign Language	Principles of Accounting	
Philosophy or Religion	Foreign Language or elective	
Physical Education	History or Sociology	
Elective	Physical Education	

IX. General Science

The program in General Science is designed for those particularly interested in teaching science and mathematics at the secondary level, in serving as industrial or medical laboratory technicians, or as scientific aides in government. To satisfy the requirements for this major, a student must complete the basic courses in mathematics, biology, chemistry and physics, and an additional 12 semester hours in one of these fields.

X. Health and Physical Education

Satisfactory completion of the curriculum in Health and Physical Education will qualify students for teaching in the elementary and secondary schools of most states. The following program of studies is suggested, but it should be modified to include courses required by the state in which the student plans to teach:

<i>Freshman Year</i>	<i>Sophomore Year</i>	<i>Junior Year and Senior Year</i>
English Composition	World Literature	Education and Practice Teaching
Foreign Language	Art and Music	United States History
General Biology	General and Educational Psychology	Philosophy or Religion
Physical Education Activities	Anatomy	Physiology
Physical Education	Foreign Language or elective	Four courses in Health and Physical Education
Elective	Physical Education Activities	Electives
	Physical Education	

Courses of Instruction

Courses in the 100 series are intended primarily for freshmen, in the 200 series for sophomores, in the 300 series for juniors, and in the 400 series for seniors. Although considerable latitude will be granted students in the upper classes who wish courses in the 300 or the 400 groups, *students may not elect courses above or below their college level without special permission.* The curriculum is divided into the lower level (freshman and sophomore courses) and the upper level (junior and senior offerings).

Courses designated by one number are semester courses; odd numbers are employed for courses given in the first semester, and even numbers for courses given in the second semester.

Year courses are designated by an odd number and an even number separated by a hyphen.

The credit allowed for each course is indicated in semester hours.

Courses are distributed into three major divisions as follows:

- I. The Humanities
 - English, Drama, and Speech
 - Classics and Linguistics
 - Modern Languages and Literature
 - Music
 - Art
 - Philosophy
 - Religion
- II. The Natural Sciences and Mathematics
 - Biology
 - Chemistry
 - Physics and Astronomy
 - Mathematics
 - Pre-Engineering Courses
- III. The Social Sciences
 - History
 - Political Science
 - Sociology and Anthropology
 - Education
 - Psychology
 - Economics and Business
 - Physical Education

For regulations concerning electives and major studies see page 35.



Fine Arts and Humanities Building scheduled for completion 1965-66

DIVISION I

The Humanities

Messrs. Farrell, Groff, Grubb, Hurwitz, Kogel, Kuehner, LaSala, Putnam, Schwartz, S. G. Stevens, Suthern, and Waring, and Mrs. Harrison and Mrs. Rivero

The division of the Humanities comprises the courses in English, Classics and Linguistics, Modern Languages, Music, Art, Philosophy, and Religion.

The objectives of the Humanities Division at Lincoln University are:

1. To acquaint the student with the cultural heritage of Western civilization as it has expressed itself in literature, the arts, religion, and philosophy; and, in the degree compatible with this aim, to make him aware of the relation of Western Civilization to the other world civilizations.
2. To instill, through the ordered scrutiny of significant products of the human intellect and imagination, an awareness of the dignity and of the potentialities of man.
3. To sensitize the student in his dealings with the world of nature and with fellow human beings.
4. To equip the student for a mature and critical ordering of human values.
5. To develop the arts of communication, with special and constant emphasis upon precision and coherence of thought and expression.

ENGLISH LANGUAGE AND LITERATURE

Messrs. Farrell, Groff, LaSala, Putnam, Mrs. Rivero, Mrs. Harrison

Requirements for an English major: Completion of 30 hours in English in addition to English 207-208. The English major is advised to include History of England, Public Speaking, and Introduction to Philosophy among his electives.

101-102. English Composition.

During the first semester the principles of grammar, punctuation, spelling, and sentence structure are stressed as essential tools in developing the ability to think and to write clearly and effectively. Reading assignments are made to introduce new ideas, to stimulate independent thinking, and to give more substance to oral and written composition. These objectives are approached in the second semester through the extended preparation for, and the writing of, a research paper, and through a study of such literary forms as the short story, poetry and drama.

*Credit: Six hours***207-208. World Literature.**

A broad cultural background is sought through a study of the literature and a consideration of the ideas expressed by the great men of letters from ancient Greece through the renaissance (during the first semester) and from the renaissance to the twentieth century (second semester). A study in greater depth will be made during the first semester of works selected from such authors as Homer, Confucius, the Greek tragedians, Plato, Lucretius, Virgil, Dante, Chaucer, Cervantes, and Shakespeare. During the second semester added emphasis will be placed on such authors as Milton, Swift, Voltaire, Goethe, Wordsworth, Melville, Flaubert, Dostoevsky, Ibsen, Mann, and Joyce.

*Required of all sophomores**Credit: Six hours***301-302. American Literature.**

This survey course in the history of American literature covers, during the first semester, writings from the Colonial Period to the American Renaissance of 1829-60, with special emphasis on such authors as Jonathan Edwards, John Woolman, Irving, Cooper, Poe, Emerson, Hawthorne, and Melville. An approach to literature as an expression of the life and times of successive periods of history is continued during the second semester in a study of the rise of realism and naturalism between 1860 and the present. Special attention is given to such authors as Walt Whitman, Mark Twain, William Dean Howells, Henry James, Stephen Crane, Robert Frost, T. S. Eliot, Sinclair Lewis, Faulkner, and Hemingway.

*(Offered in 1963-64 and alternate years)**Credit: Six hours***305. Seventeenth Century Literature.**

A study of the conflicting ideas and movements of the seventeenth century as they are reflected in the poetry and prose of such authors as Donne and the metaphysical poets, Jonson, Herrick, Bacon, Hobbes, Burton, and Browne. Special attention is given to Milton, Dryden, Congreve, and Wycherly are emphasized among the restoration dramatists.

*(Offered in 1963-64 and alternate years)**Credit: Three hours*

306. Eighteenth Century Literature.

Beginning with the poetry of Dryden, a study is made of the authors of the Augustan Age and the early romantics. Defoe, Swift, Pope, Johnson, Goldsmith, Burns, and Blake are emphasized and consideration is given to the rise of the novel.

(Offered in 1963-64 and alternate years)

Credit: Three hours

307. Romantic Literature.

Against the background of the major prose writers and the minor poets of the period, an intensive study is made of the major romantic poets: Wordsworth, Coleridge, Byron, Keats, and Shelley.

(Offered in 1964-65 and alternate years)

Credit: Three hours

308. Victorian Literature.

Special attention is given to the poetry of Tennyson, Browning, and the Pre-Raphaelites. Included in a study of the prose, poetry, and drama of the period are works by Carlyle, Newman, Arnold, Ruskin, Wilde, Shaw, and Yeats.

(Offered in 1964-65 and alternate years)

Credit: Three hours

309-310. Journalism.

This laboratory course in the development of journalistic techniques stresses, during the first semester, the news story, interviews, and the make-up of the school paper. During the second semester attention is directed to the writing of feature stories, editorials, and columns.

Credit: Six hours

311-312. Advanced Composition.

An analytical study of prose style is combined with exercises in writing the four forms of discourse to develop clarity, precision, and originality in composition. During the second semester creative expression and critical judgment are emphasized in writing and rewriting essays, short stories, dialogue, and poetry.

(Offered in 1964-65 and alternate years)

Credit: Six hours

315-316. Dramatic Literature.

An intensive study is made during the first semester of the Golden Ages of the theatre including Greek and Latin drama; the Spanish drama of Cervantes, Lope de Vega, and Calderon; the development of dramatic expression in England from the early religious and folk plays through the Tudor and Jacobean periods; and the Baroque Theatre of France. During the second semester a study is made of the emergence of realism, naturalism, symbolism, expressionism, and the "theatre of the absurd," in representative plays of the modern theatre from Ibsen and Strindberg through Beckett and Duerrenmatt.

(Offered in 1963-64 and alternate years)

Credit: Six hours

401. Shakespeare: The Comedy and History Plays.

A study of the background of Shakespeare's time and the Elizabethan theatre leading into an intensive examination of ten of Shakespeare's comedies and history plays.

(Fall term)

Credit: Three hours

402. Shakespeare: The Tragedies and the Sonnets.

An intensive study of the major tragedies, examples of the tragi-comedies, and the sonnets of Shakespeare.

(Spring term)

Credit: Three hours

405. Modern Fiction.

A study of the techniques, forms, and movements of Continental, British and American narrative fiction from the late nineteenth century to the present. Special attention will be given to significant novels by Flaubert, Dostoevsky, Tolstoy, Lawrence, Joyce, Hemingway, Faulkner, and Mann.

(Fall term, 1964-65 and alternate years)

Credit: Three hours

406. Modern Poetry.

A study of poetry in English from the late nineteenth century to the present. Techniques of versification, form, and movement will be emphasized; special attention is given to poetic experimentation, including symbolism and imagism, and to such major figures as Dickinson, Pound, Eliot, Yeats, and Frost.

(Spring term, 1964-65 and alternate years)

Credit: Three hours

AN ORAL APPROACH TO THE ENGLISH LANGUAGE**203-204. Public Speaking and Argumentation.**

Fundamentals of speech organization, diction, voice, and gesture are emphasized in the first semester. Special attention is given to composition and delivery in various speech situations. In the second semester the principles of logic, argument, and debate are studied. Some language laboratory work is included in both semesters.

Credit: Six hours

205-206. Principles of Acting, Staging and Directing.

Elements of acting (diction, inflection, characterization, and movement), directing, and staging (design, construction, painting, lighting, costuming, and make-up) are studied and applied in informal workshop projects and in formal productions by the Lincoln University Players.

Credit: Six hours

303-304. Advanced Argumentation, Persuasion and Debate

An advanced study of the principles of logic, argument, persuasion, and debate limited to students actively engaged in forensics and debating.

Credit: One hour per semester

CLASSICS AND LINGUISTICS

Messrs. Schwartz, S. G. Stevens, Waring, and Davies

The aims of this department are to prepare the student for the study of any language and, in particular, to express himself more articulately in his own language. To these ends, attention is directed to (a) the structure of language in general, and the position of the classical languages in the Indo-European language family; and (b) readings and book reports on the literatures of the languages under study. Majors in classics will be required to take 24 credit hours in language courses beyond the elementary course. History 201-202 (Ancient Civilization) must be taken by majors. Students preparing to teach or enter upon graduate study in classics must take a course in Latin prose composition or its equivalent.

101-102. Elementary Latin.

The mastery of forms, vocabulary, and syntax; principles of language study; Latin derivatives in English. Early in the second semester students will translate selections from Caesar.

Credit: Six hours

201-202. Intermediate Latin.

In the first semester a rapid review of the grammar will be followed by selected readings in prose, poetry, and inscriptional material from the entire range of Latin literature. The second semester will be devoted to Virgil.

Prerequisite: Latin 101-102 or the equivalent

Credit: Six hours

301-302. Medieval Latin and Horace.

In the first semester the range of reading selections will be from late classical writers through patristic literature to the Latin poetry of John Milton. The second semester will be devoted to Horace.

Given on demand.

Credit: Six hours

304. Latin Literature in Translation.

A history of Latin literature in translation, with readings from the major Latin writers.

Given on demand.

Credit: Three hours

401-402. Plautus and Terence.

Given on demand.

Credit: Four hours

403-404. Advanced Latin.

Readings in Latin authors to meet the interests and needs of majors.

Given on demand.

Credit: Six hours

405-406. Seminar.

For majors.

GREEK

101-102. Elementary Greek.

The mastery of forms, vocabulary, and syntax; principles of language study; Greek derivatives in English. Early in the second semester students will translate selections from the New Testament and from Xenophon.

Credit: Six hours

201-202. Intermediate Greek.

In the first semester a rapid review of Attic grammar will be followed by selected readings from Xenophon, Herodotus, Plato, and the lyric poets. The second semester will be devoted to Homer.

Prerequisite: Greek 101-102 or the equivalent.

Credit: Six hours

301-302. Greek drama.

Plays by Aeschylus, Sophocles, Euripides, and Aristophanes will be read.

Given on demand.

Credit: Four hours

303. Greek Literature in Translation.

A history of Greek literature in translation, with readings from the major Greek writers.

Given on demand.

Credit: Three hours

401-402. Advanced Greek.

Readings in Greek authors to meet the interests and needs of majors.

Given on demand.

Credit: Six hours

405-406. Seminar.

For majors.

LINGUISTICS

101-102. Elementary Hebrew.

An introduction to the essentials of the Hebrew language, leading to the reading of the old Testament. *Credit: Six hours*

201-202. African Linguistics.

Intensive study of various African languages, involving native speakers and the language laboratory, designed to give the student the conversational ability and oral comprehension required for initial practical use. The language taught in 1964-65 will be Swahili. Admission by permission of the instructor.

Credit: Six hours

301. The Latin and Greek Elements in English.

Recommended especially for pre-professional students who have had no Latin and Greek.

First Semester.

Credit: Three hours

302. Introduction to Linguistics.

Bloomfield, Language. A study of current linguistic theory; a survey of the principal language families of the world, ancient and contemporary.

Second Semester.

Credit: Three Hours

401-402. Sanskrit.

A brief study of forms and syntax will be followed early in the first semester by translation of selections from Lanman's Sanskrit Reader. The second semester will be devoted entirely to Lanman's Sanskrit Reader. Throughout the course comparison will be drawn between Sanskrit and the other Indo-European languages. Classics majors are encouraged to take this course for credit towards the major. Other students only by permission of the instructor.

Given on demand.

Credit: Eight hours

403-404. Hittite.

The cuneiform orthography of Hittite will be mastered and the hieroglyphic variant examined. Entry into the course only by permission of the instructor.

Given on demand.

Credit: Six hours

MODERN LANGUAGES AND LITERATURES

Messrs. Kuehner, Grubb, and Waring

Requirements for a major in French: twenty-four semester hours beyond the basic course and one year of college Latin. It is recommended that students also take Modern European History 101-102.

FRENCH LANGUAGE AND LITERATURE

Messrs. Grubb and Waring

101-102. Elementary French.

Basic grammar of the French language and systematic work in composition and reading. Oral work with the use of records.

Credit: Six hours

201-202. Intermediate French.

Review of French grammar and advanced work in written composition and reading.

Prerequisite: French 101-102 or equivalent.

Credit: Six hours

301-302. Advanced French.

Survey of French literature from the Middle Ages to the end of the 19th Century. Outside reading.

Given on demand.

Credit: Six hours

401-402. French Literature.

The following courses may be given as needed:

- a) Medieval French literature
- b) The literature of the Renaissance
- c) French classicism
- d) Survey of 18th Century literature
- e) French literature in the 19th Century
- f) French poetry in the 19th Century

Credit: Six hours

GERMAN LANGUAGE AND LITERATURE

Mr. Kuehner

101-102. Elementary German.

Grammar, easy reading, dictation.

Credit: Six hours

201-202. Intermediate German.

Reading of modern German texts, and grammar review. Prerequisite: German 101-102 or its equivalent.

Credit: Six hours

301-302. Advanced German.

Advanced grammar, dictation, and reading. Prerequisite: German 201-202 or its equivalent.

Given on demand.

Credit: Six hours

SPANISH LANGUAGE AND LITERATURE

Mr. Grubb

101-102. Elementary Spanish.

For students who have had no Spanish. The elements of grammar and reading, with some conversation.

Credit: Six hours

201-202. Intermediate Spanish.

Prerequisite: one year of college or two years of high school Spanish. Review of grammar; dictation, reading, and conversation.

Credit: Six hours

301-302. Advanced Spanish.

Prerequisite: two years of college or three years of high school Spanish. Reading of several masterpieces of the literature; conversation natural to everyday scenes and situations; composition at a fairly advanced level; dictation.

Given on demand.

Credit: Six hours

MUSIC

Mr. Suthern

101A. Introduction to Music.

A course designed to provide the necessary tools for perceptive music listening. The student approaches music through recordings, concerts, and other available media. This is a required course for which no prerequisites or special abilities are needed. *Credit: Two hours*

101B-102. Survey of Music.

An introduction to musical style illustrated by representative compositions selected from various periods of musical history. Open to all students and may be selected in place of 101A as the required course in music. No previous knowledge of music is required. *Credit: Six hours*

103-104. Choral Music.

Fundamentals of choral technique and a sizeable repertoire of choral music are learned by practical work. Course open only to members of the University Glee Club and Choir. *Credit: One hour*

201-202. Elementary Theory of Music.

Instruction in harmonization of melodies, both written and keyboard. Simple rhythms, tonal relationships — melodic and harmonic — including scales, intervals, triads and their inversions, figured bass technique, seventh chords and their inversions, non-harmonic tones, simple modulations, simple analysis and form, and original work in the elementary forms. The ability to read music and simple pianistic ability are required. *Credit: Six hours*

301-302. Advanced Theory of Music.

Essentials of advanced harmony, chromatic alterations, modulations, analysis of masterworks and original compositions; keyboard. *Credit: Six hours*

305-306. Contemporary Trends in Music.

A chronological survey, through directed listening, of the trends found in twentieth century music. During the second semester emphasis is placed on the American contribution to the period. Prerequisite: consent of the instructor; Music 101B-102 recommended. *Given in alternate years. Credit: Six hours*

ART

Mr. Kogel

203. Introduction to Art.

Consisting of a survey of art history and a study of aesthetics. Important goals are understanding and critical awareness. The survey ranges from the earliest beginnings of man to the present, emphasizing architecture, painting, and sculpture. Slide lectures are the chief means of study. There will be opportunity to visit museums. *Credit: Two hours*

204. Modern Art.

This is an elective course with Art 203 as prerequisite, offering a thorough examination of modern art beginning with the early 19th century and ending with the present.

Understanding and critical awareness are chief goals of this course. Slide lectures are the primary means of study. There will be opportunity for museum visits.

Credit: Two hours

PHILOSOPHY

Messrs. Hurwitz and Murray

The work of the philosophy department is designed to instruct students in the methods of reflective and critical thinking about fundamental issues. What we believe, value, know and do is examined in questioning and answering the great tradition. Since philosophy is relevant to all aspects of experience and learning, it is hoped that students majoring in all fields will elect and take active part in courses in philosophy. Majors in philosophy are required to complete 27 semester hours in addition to Philosophy 101. Six of these hours may be taken in related fields upon consultation with the major professor.

101. Introduction to Philosophy.

Special subjects in philosophy are discussed in relation to readings in religion, ethics, social philosophy, and philosophical anthropology.

(Given each semester)

Credit: Three hours

103. General Logic.

A study of the principles and application of formal reasoning.

(Given each year)

Credit: Three hours

201. Greek Philosophy.

A survey of ancient philosophy, with emphasis on the Pre-Socratics, Plato, Aristotle, and Plotinus.

(Offered 1965-66 and alternate years)

Credit: Three hours

202. Modern Philosophy.

Western thought from the Renaissance to Kant.

(Offered 1965-66 and alternate years)

Credit: Three hours

203. Nineteenth Century Philosophy.

Such 19th Century philosophers as Hegel, Comte, Mill, Kierkegaard, and Nietzsche are studied as background to contemporary thought.

(Offered in 1964-65 and alternate years)

Credit: Three hours

204. Twentieth Century Philosophy.

A study of leading philosophers of the present century from James to Wittgenstein.

(Offered in 1964-65 and alternate years)

Credit: Three hours

205. Ethics.

Fundamental questions of ethics, and important classic and contemporary solutions to these problems are studied. Students are encouraged to apply the principles examined to personal and social problems arising within their own experience.

Credit: Three hours

302. Symbolic Logic.

An advanced course in logic, emphasizing the development of the calculus of propositions, quantification theory and philosophical problems of logic. Prerequisites: Philosophy 103, or the recommendation of the chairman of the Mathematics Department.

Credit: Three hours

303. Philosophy of Science.

An examination of scientific methods, presuppositions, and concepts. Philosophic problems arising in connection with the growth of the natural and social sciences are studied.

(Not offered in 1964-65)

Credit: Three hours

304. Philosophy of Religion.

See Religion

305. Philosophy of History.

The course provides an introduction to the basic theories of what motivates historical events and offers a comparison of various concepts of historical causation, such as economic, geographic, biological, and other forces. Credit may be granted for history or philosophy.

(Not offered in 1964-65)

Credit: Three hours

306. Contemporary Philosophy.

Existentialism since Husserl and analytic philosophy since Wittgenstein.

307. Seminar in a Major Philosopher.

A study of the main issues of philosophy from one historically important viewpoint. Frame of reference for 1964-65 will be the philosophy of Kant.

Credit: Three hours

RELIGION

Messrs. Murray, Davies, Stevens

The objective of the department is to acquaint the student with the religious and moral heritage of our culture through a study of religion. Religion is studied, not as a by-product of other phenomena, but as it is in itself. Since western culture has been rooted in the Hebrew tradition, special attention is given to the manifestation of this tradition in the Bible, the Old and New Testament, and in the historical development of Judaism and Christianity. In addition to the study of the Hebrew tradition, the department enables the student to study other religions and the relation of religion to other aspects of human culture. Students are encouraged to combine a study of religion with work in other departments, such as philosophy, history, literature, and sociology.

101. Religion of the Old Testament.

The religious history of the Hebrews from 2000 B.C. to the Christian era, with special emphasis on conceptions of God and man. Attention is given to the influence of social and political history on Hebrew religion and ethics.

Credit: Three hours

102. The Beginning of Christianity.

Against the historical background of the New Testament, a study is made of the life and teachings of Jesus and their contemporary significance, and of the religious experience and community life of 1st century Christians, with special emphasis on the life and thought of Paul.

Credit: Three hours

201. Christian Biography.

A study of the development and spread of Christianity based on the lives of such Christian leaders as Augustine, Bernard of Clairvaux, Abelard, Francis of Assisi, Luther, John Wesley, William Carey, John R. Mott, and Albert Schweitzer.

Credit: Three hours

202. Christian Ethics.

The ethics of Jesus, St. Thomas Aquinas, Calvin, Luther, John Bennett, and Reinhold Niebuhr are studied with special reference to the challenge of contemporary culture to Christian ethics.

Credit: Three hours

301. Early Christian Thought.

A survey of Christian thinking to the 13th century with special attention given to the influence of Greek philosophy, the formation of the creeds, and the thought of Augustine and Aquinas.

Credit: Three hours

302. Modern Christian Thought.

A survey of Christian thinking from the Reformation to the present day, including the development of Roman Catholicism, Protestant orthodoxy and liberalism, and contemporary expressions of Judaism and Christianity.

Credit: Three hours

303. Religion in American Culture.

A study of three major religious traditions in American life: Protestantism, Roman Catholicism, and Judaism, in terms of their historical development, theology, ethics, and worship, with a view to understanding their role in contemporary American culture.

Credit: Three hours

304. The Philosophy of Religion.

Philosophic positions on basic problems concerning the relations between God, man, and the world and concerning the nature of religious knowledge, are explored. Credit may be given in religion or philosophy.

Credit: Three hours

401. Non-Christian Religions.

A comparative study of the Judaeo-Christian tradition and the historical development and chief writings of such ancient and modern religions as Hinduism, Buddhism, modern Zoroastrianism, Confucianism, Taoism, Shinto, Islam, and such faiths as the religion of power and Communism.

Credit: Three hours



DIVISION II
The Natural Sciences
Mathematics
Pre-Engineering

Messrs. Cole, Frankowsky, Hall, Harrison, L. D. Johnson,
W. T. M. Johnson, Pierce, Rudd, Sroufe, Tsai, Varrin

The Division of Natural Sciences and Mathematics is constituted of the departments of biology, chemistry, physics, and mathematics. This Division also offers courses in Pre-Engineering under the cooperative programs established with Drexel Institute, Lafayette College, and Pennsylvania State University.

The courses in the various departments of this Division are designed primarily to give professional training to students who elect to major in one of the natural sciences or mathematics, or to prepare for a subsequent study of engineering or for post-graduate work in mathematics, the sciences, or in the medical professions. Courses in this Division also provide the more limited scientific training required by students majoring in the humanities or in the social or life sciences. Those seeking a cultural understanding of any of the natural sciences may, with the permission of the instructor, omit the laboratory work of the elementary courses. Completion of a laboratory course is, however, required for graduation.

BIOLOGY

Messrs. Harrison, Hall, and Sroufe

A major in biology is designed to prepare the student for graduate work in biology or for medical school. The minimum requirements for the major are: (1) *Physics 101-102 (which requires Mathematics 103-104)*, (2) *Chemistry 103-104 and 203-204*, and (3) *Biology 101, 102, 201, 202, 301, 302*. In addition, a major is strongly urged to take two additional semester courses in biology, and Mathematics 201-202 and 203.

Anyone wishing to concentrate in biology, but unwilling to take the time needed to fulfill these requirements, may major in General Science, with concentration in biology.

101. General Zoology.

The fundamental principles of biology are presented with emphasis on animals, including a survey of the major animal phyla with a study of their morphology, physiology, and phylogenetic relationship, where they exist, and of their economic significance. Three hours lecture and one laboratory period a week. Prerequisite for all other biology courses.

Credit: Four hours

102. General Botany.

The principles of botany are presented with major emphasis on the morphology, physiology, and life cycles of specimens representative of the major groups. Three hours lecture and one laboratory period a week. Prerequisite for all other biology courses.

Credit: Four hours

201. Comparative Anatomy of Vertebrates.

The comparative anatomy of vertebrates is presented with special reference to the dogfish, mud-puppy, and cat. Two hours lecture and two periods of laboratory. This course is followed by 202, Embryology.

Credit: Four hours

202. Embryology.

The comparative study of the reproduction, growth and development of vertebrates, including consideration of the various types of cells and tissues that occur. Two hours lecture and two laboratory periods.

Credit: Four hours

301. Genetics.

Introduction to Mendelian, population, biochemical, and physiological genetics. Special consideration is given to the implications of genetics for evolutionary theory. Two hours lecture and two laboratory periods.

Credit: Four hours

302. General Physiology.

Emphasis on cellular physiology and functions common to all or most organisms. Analysis of movement, response, reproduction, metabolism, and growth in physiological terms. Prerequisites: Organic Chemistry (second semester may be taken concurrently) and advanced standing in biology. Two hours lecture and two laboratory periods.

Credit: Four hours

303. Parasitology.

A course devoted to the consideration of mammalian parasites found in the Protozoan, helminth and arthropod groups. Careful consideration is given to life history, control and treatment for the members of the above groups. Two hours lecture and two laboratory periods.

Credit: Four hours

305. Biological Techniques.

A course, mainly histological, but including some of the techniques for parasitology, protozoology and blood work. Two hours lecture and two laboratory periods. Should be followed by 308, Histology.

Credit: Four hours

308. Histology.

A course in normal mammalian histology. One hour lecture and one laboratory period.

Credit: Four hours

401. Microbiology.

A course devoted to the study of bacteria, viruses, molds, and rickettsiae. Morphology, physiology and relationships between microorganisms and their environment are considered. Two hours lecture and two laboratory periods.

Credit: Four hours

402. Invertebrate Zoology.

A study of the morphology, physiology, and reproduction of invertebrates. Two hours lecture and two laboratory periods.

Credit: Four hours

411-412. Special Problems in Biology.

Advanced topics in biology will be discussed in seminars. Honor candidates and students of high standing may conduct independent research projects. Either semester may be taken alone. Open only to seniors.

Credit: One to three hours per semester

CHEMISTRY

Messrs. Rudd, L.D. Johnson, W.T.M. Johnson

A major in chemistry consists of at least 31 semester hours of chemistry including 103-104, 201, 203-204, 301-302. Those students considering graduate work in chemistry must also take 303 and 401. The maximum number of hours permitted in the department is 38 hours beyond the basic course. Prerequisites for courses 301 and 303-304 are Physics 101-102 and Mathematics 202 and 301. Chemistry 101-102 is a general education course designed to give the non-science major an understanding of chemistry and of the methodology common to the laboratory sciences. A student planning to elect chemistry as his major should consult the department early in his college career to plan the proper sequence of courses.

101-102. Introduction to Chemistry.

The basic principles of chemistry are presented and illustrated with descriptive material. The course is designed for non-science majors and satisfies general education requirements of 8 hours in a laboratory science. Students considering a major in chemistry or any of the natural sciences should take Chemistry 103-104.

Credit: Eight hours

103-104. General Chemistry and Qualitative Analysis.

The basic principles of chemistry will be presented and illustrated with descriptive material. The coverage is more intensive than in Chemistry 101-102. The second semester will include ionic equilibria and qualitative analysis. The course is prerequisite for all other courses in the department. Three hours lecture and two periods of laboratory.

Credit: Eight hours

201. Quantitative Analysis.

This course is devoted to the study of principles underlying gravimetric and volumetric determinations. Three hours lecture and recitation, and two periods laboratory. Prerequisites: Chemistry 103-104, Mathematics 103.

Credit: Five hours

202. Instrumental Methods of Analysis.

A study of principles and practices of instruction used in separations and analysis. The work includes chromatographic types of separation, colorimetric and spectroscopic methods, electroanalytical methods, and radiochemical methods. Two hours lecture, two laboratory periods. Prerequisite: Chemistry 201.

Credit: Four hours

203-204. Organic Chemistry.

The principal classes of aliphatic, aromatic, and heterocyclic compounds are studied. Three hours lecture and recitation, two periods laboratory. Prerequisite: Chemistry 103-104.

Credit: Ten hours

301-302. Physical Chemistry.

The laws of thermodynamics are presented, their basis in statistical mechanics derived; and thermodynamics and statistics are applied to properties of gases, solutions, chemical reactions, phase changes, electrochemical phenomena, and reaction rates. Three hours lecture and two periods laboratory throughout the year. Prerequisites: Chemistry 201-202, Physics 101-102, Mathematics 202 and 301.

Credit: Eight hours

303. Physical Chemistry.

The wave mechanical basis of atomic structure is studied and applied to problems of valence. Physical methods of determining molecular and solid structure are studied. Physical Chemistry 301 is a prerequisite for chemistry majors, but may be taken simultaneously. Physics majors may be admitted without Physical Chemistry 301. The course is highly recommended for those students planning to make chemistry their profession. Three hours lecture.

Credit: Three hours

304. Advanced Inorganic Chemistry.

The principles of physical chemistry are applied to inorganic systems. The emphasis is on the theory of valence and reactivity. Physical Chemistry 301 and 303 are prerequisite. The student must have had or be taking physical chemistry 302. Three hours lecture.

Credit: Three hours

310-311. Seminar.

Participants in this seminar present each semester an oral report, which is subsequently submitted in written form, on a topic from current chemical research literature or a review topic. Meetings are scheduled for two hours, once a week, during both semesters of the junior and senior years.

Credit: Four hours

401. Qualitative Organic Analysis.

A laboratory course designed to teach methods of identification of organic compounds and to train students in organic research methods. Two hours lecture and two periods laboratory per week. Prerequisites: Chemistry 103-104, 203-204.

Credit: Four hours

402. Radiochemistry.

A study of the fundamental techniques of safety, of manipulation, and measurement, employing radioisotopes. The use of Geiger-Muller counters, ionization chambers, scintillation counters, and a study of the characteristics of radiation will be undertaken in the laboratory. The course is limited to 10 students who have had courses in each of the basic sciences and mathematics.

Credit: Two hours

405-406. Research.

Independent laboratory and library work by the students, directed by members of the department. Will require about six hours per week of library and laboratory study. Restricted to senior chemistry majors with permission from department head.

Credit: Six hours

PHYSICS AND ASTRONOMY

Messrs. Cole and Tsai

A major in physics consists of at least 32 semester hours in physics. Mathematics through differential equations is required and Chemistry 101-102 or 103-104 is recommended. A student planning to major in physics should consult with the department head promptly since some required courses are not offered each year. Physics 101-102 is a prerequisite to all physics courses except Physics 305 which may be elected by upper classmen with the permission of the department head.

101-102. General Physics.

Elective for all classes. A student who has not taken Mathematics 103 and 104 must elect them along with this course. First semester: mechanics, sound, and heat. Second semester: electricity, light, and modern physics. Three lecture hours and one laboratory period.

Credit: Eight hours

201-202. Electricity and Magnetism.

First semester, electric and magnetic fields, direct current measurements and instruments, magnetic characteristics of materials. Second semester, alternating currents and Maxwell's equations. Three lecture hours and one laboratory period.

Credit: Eight hours

301. Light.

A study of geometrical and physical optics, radiation, and spectra. Three lecture hours and one laboratory period.

Credit: Four hours

302. Sound.

Nature of sound, wave theory, interference, and diffraction. Three lecture hours and one laboratory period. Prerequisite: Mathematics 201-202.

Credit: Four hours

305. Elementary Astronomy.

A course in descriptive astronomy illustrated by lantern slides and by use of the telescope. The observatory program includes a determination of the moon's orbit. Three lecture hours.

Credit: Three hours

307-308. Electronics.

The properties of vacuum tubes, semi-conductors and associated circuit elements are investigated. Laboratory work includes the construction and calibration of various electronic devices. Two lecture hours and one laboratory period. Prerequisite: Mathematics 201-202.

Credit: Six hours

401-402. Theoretical Mechanics.

The methods of the differential and integral calculus are freely used and a few of the important differential equations are studied. Moments of mass and of area, moments of inertia, kinematics, kinetics, central forces, Kepler's laws, and statics are among the topics from which problems are selected. Three lecture hours.

Credit: Six hours

403-404. Thermodynamics.

The gas laws, non-flow and steady-flow processes, the Carnot cycle, and efficiency are studied in the first semester. Second semester topics include high-pressure air, steam and gas turbines. Prerequisite: Mathematics 201-202.

Credit: Six hours

MATHEMATICS

Messrs. Frankowsky and Pierce

The courses in the Department of Mathematics are designed primarily to fulfill the needs of a major in the field.

The major requirement in mathematics consists of twenty-four hours in courses beyond Mathematics 103-104, and must include Mathematics 201-202, 301-302, and 401. Entering students who plan to major in mathematics must take Mathematics 201-202 during their first year. No one should elect to major in mathematics unless he has shown considerable aptitude and skill in Mathematics 201-202. Students majoring in mathematics are also required to take at least one year of physics and a course in logic.

All students of mathematics are required to follow what is considered the "Basic Sequence." This sequence consists of Mathematics 103-04, 201-02, and 301, and must be taken in that order. Under no circumstances will a student be admitted to any course unless its prerequisites have been attained.

Students of the physical and chemical sciences should elect Mathematics 302 and 401 after the completion of Mathematics 301.

All majors in mathematics and students in the allied sciences must consult their adviser prior to registering for any course in mathematics beyond the basic sequence.

Basic Courses (Given each year)

101-102. Introduction to Mathematics.

The subject matter of the course includes topics from the foundations of mathematics, algebra, trigonometry, coordinate geometry, calculus, and statistics. Emphasis is on developing understanding of basic concepts rather than manipulative skill.

This course is not open to students of the physical sciences or to students planning to major in mathematics, and it is not a preparation for Mathematics 103. It is considered a terminal course in mathematics for the student who intends to study only one year of college mathematics. An exceptional student of the course may substitute this course for Mathematics 103-104 if he desires to continue in the field. Both semesters must be taken to obtain credit. Prerequisites: one unit of algebra and one unit of geometry.

Credit: Six hours

103. College Algebra.

Functions and graphs; quadratic equations and systems of quadratic equations; ratio, proportion and variation; progressions; binomial theorem; elementary theory of equations; synthetic division; permutations, combinations, probability; determinants. Prerequisites: one unit of algebra and one unit of geometry.

104. Plane Trigonometry.

Measure of angles; trigonometric functions and their graphs, logarithms and exponential functions; radian measure; trigonometric identities and equations; solution of triangles; inverse functions; De Moivre's Theorem.

Credit: Three hours

201-202. Analytic Geometry and Calculus.*First Semester:*

The straight line; functions; limits; continuity; derivatives of the algebraic functions with applications to velocity and rates; extrema; curve plotting; differentials; Rolle's Theorem; law of the mean; the indefinite integral.

Second Semester:

The definite integral; applications of integration — area, volume, moment of inertia, work; differentiation and integration of trigonometric, inverse, exponential and logarithmic functions; the conic section; transformation of the plane; length of a curve; area of surfaces.

Credit: Six hours

301. Analytic Geometry and Calculus.

Methods of integration; application of integration to physics — moments, centroids, theorems of Pappus, hydrostatic pressure, work; hyperbolic functions; polar coordinates; parametric equations; vectors.

Credit: Three hours

302. Intermediate Calculus.

Three dimensional vector analysis; quadric surfaces; partial differentiation, multiple integration and their applications; infinite series.

Credit: Three hours

401. Differential Equations.

An elementary course in ordinary differential equations with applications to geometry and physics.

Credit: Three hours

*Elective Courses (Given in alternate years)***203. Elementary Statistics.**

Designed for students who need an elementary knowledge of statistics. The basic ideas of descriptive and inductive statistical methods are considered, including frequency distributions, descriptive measures, probability and sampling, prediction and correlation, index numbers and time series. (This course is not open to majors.) Prerequisites: Mathematics 101-102 or 103.

(Offered in 1964-65 and alternate years)

Credit: Three hours

303. Introduction to Mathematical Statistics.

Probability; empirical and theoretical frequency distributions of one variable; sampling; correlation and regression; goodness of fit. Prerequisite: Mathematics 301.

(Offered in 1965-66)

Credit: Three hours

305. Algebra I (Introduction to Modern Algebra).

Sets; functions and mappings; groups — subgroups, cosets, factor groups, homomorphisms and isomorphisms, maximal subgroups, direct products; rings and ideals — homomorphism and isomorphism, integral domains, equivalence classes, residue classes, prime ideals, polynomial rings, Euclidean rings, units and primes; fields — prime fields, field adjunctions, algebraic field extensions.

(Offered in 1964-65 and alternate years)

Credit: Three hours

306. Algebra II (Introduction to Linear Algebra and Matrices).

Vector spaces — subspaces, basis, dimension, isomorphism; linear transformations; matrices — matrix operation, rank, equivalence relations, characteristics, functions of matrices; metric concepts.

(Offered in 1964-65 and alternate years)

Credit: Three hours

402. Introduction to Numerical Analysis.

Error analysis; finite differences; interpolation; numerical differentiation and integration; differential and difference equations; least squares and their applications.

(Offered in 1963-64 and alternate years)

Credit: Three hours

403-404. Advanced Calculus.

A rigorous development of the fundamentals of analysis.

First semester: Sets, sequences, functions, limits, mean value theorems, definite integral, Taylor's theorem, improper integrals, set functions, infinite series, uniform convergence, power series.

Second semester: Improper integrals with parameter; gamma functions; transformations; curves and arc length; extremal problems; integrals over curves and surfaces; Green, Gauss, and Stokes theorems.

(Offered in 1963-64 and alternate years)

Credit: Six hours

Honor Course in Mathematics

Juniors and seniors majoring in mathematics or the physical sciences who have maintained a general academic average of at least 2.5 and an average of at least 2.0 in their course work in mathematics, and who have the ability and need for such a course may register for Mathematics 407. The course will be given if there is a sufficient number of candidates.

407. Introduction to Complex Variables.

Algebra of complex numbers; analytic functions, limits, continuity, derivative, Cauchy-Riemann conditions; elementary functions — exponential, trigonometric, hyperbolic, logarithmic; integration — contour integration, winding number, Cauchy integral theorem and formula, Morera's theorem, Liouville's theorem; power series; calculus of residues.

Credit: Three hours

PRE-ENGINEERING

Messrs. Varrin and Tsai

101. Engineering Drawing.

Orthographic projections, auxiliary views, sections, standard dimensioning including limits, tolerances, and allowances, conventional representation of fastenings, detailing and assembly drawings. Required of pre-engineering students.

Credit: Three hours

102. Engineering Drawing and Descriptive Geometry.

Continuation of preparation of detail working drawings and assembly drawings. Principles of pictorial drawings. Developments and intersections of geometric surfaces, and point, line and plane problems in descriptive geometry. Required of pre-engineering students.

Credit: Three hours

201. Geography.

An introduction to landforms and climate, presented as factors influencing man. The map is applied as the basic tool of geography to three groups of data; surface features, population, and culture. World patterns are evolved.

Credit: Three hours

202. Geology.

An introduction to physical geology with emphasis on minerals, rocks, and engineering applications.

For further details on pre-engineering see page 44.

Credit: Three hours



DIVISION III
The Social Sciences

Messrs. Cornwell, Eyrich, Foster, Gardner, Gaymon, Gunn, Jenkins, Jones,
MacRae, Marcum, Merriam, Murray, Rivero, Schwartz, Smith,
R. P. Stevens, Washington, Winchester

Courses in history, political science, anthropology and sociology, psychology, education, economics and general business, and physical education are included in the Division of the Social Sciences.

The Division of the Social Sciences aims to equip the student with an understanding of the civilization in which he lives and with an understanding of the historical background of that civilization. Each student is required to take a minimum of twelve hours of course work in three different disciplines chosen from the Social Sciences.

Students majoring within this division frequently enter one or another of the professions, such as law, teaching, or the ministry. In recent years many students have prepared for vocations in public life, especially for federal, state, or local civil service careers or administrative careers in other countries. However, the first object of the division is not occupational training as such, but to help students understand the economic, political, racial, and social elements of society. Social Science courses attempt to relate these influences to national life and beyond that to the world scene.

HISTORY

Messrs. Jones, Gunn, Murray, Schwartz, S. G. Stevens, Winchester

Requirements for a history major: completion of 24 hours in history in addition to History 101-02. This must include United States History 303-04 and Historical Methods 401-02.

101-102. Modern European History.

This course is the basic introduction to the study of history. It is open to freshmen, and is a prerequisite for all other history courses. Two sessions per week are conducted as lectures, a third session each week is conducted with small groups engaging in discussion under the direction of the instructor. The first semester covers the development of Europe from the close of the Middle Ages to the Congress of Vienna (1500-1815). The second semester covers the period from 1815 to the present. Writings of Thomas More, Martin Luther, and other contemporary authors supplement the use of a basic text.

Credit: Six hours

201-202. Ancient Civilization.

The first semester covers the development of organized societies with particular emphasis upon Egypt, Babylonia, Persia, and Greece. The second semester covers the rise and fall of the Roman state. Prerequisite: History 101-02.

Credit: Six hours

203-204. History of Africa.

The first semester deals in a summary fashion with the geographical and the ethnological background of African history, concentrating on the data of pre-historic and early historic archeology, and on the ancient and medieval history of Africa (through the 15th century). The second semester treats the history of the period of European contact with African peoples, and of European exploration and expansion in Africa, from 1500 through World War II (down to the period of active African nationalism). Prerequisites: History 101-02 and either History 201-02, 301-02 or 401-02; or, alternatively, History 101-02 and Sociology 202 and 203.

(Offered in 1964-65 and alternate years)

Credit: Six hours

205. The Negro in the New World.

The varying social adjustments of populations of African descent to the New World environment are studied in the light of their historical backgrounds.

Credit: Three hours

206. Economic History of Europe.

The course traces the emergence of modern economic institutions in Europe beginning with the year 1750, stressing the growth of industry and the changes in agricultural techniques from that time to the present. The significance of important inventions is considered, along with the development of trade and commerce among European countries.

(Not offered in 1964-65)

Credit: Three hours

207. American Economic History.

A survey of the economic development of the United States from the colonial period to the present. The course is designed not only to examine the growth of American economic life, but also to impart a fuller understanding of the general history of the United States, to provide a background for the study of economic principles and problems, and to cast light on current economic trends and policies.

(Not offered in 1964-65)

Credit: Three hours

209. The Colonial History of the Americas.

The course studies the colonial history of North and South America from the age of exploration and discovery to the struggle for independence.

(Offered in 1964-65 and alternate years)

Credit: Three hours

210. Latin American History.

The course traces the economic and political history of the South and Central American nations since 1800. Emphasis is placed on the relation of Latin America to the interests and policy of the United States.

(Offered in 1964-65 and alternate years)

Credit: Three hours

301-302. Medieval Civilization.

The first semester deals with the decline of Rome and the evolution of medieval society, emphasizing the basic characteristics of feudalism and the cultural life of Europe to 1200 A.D. The second semester covers the transition from medieval to modern society in Europe. Prerequisite: History 101-02.

(Offered in 1963-64 and alternate years)

Credit: Six hours

303-304. History of the United States and Pennsylvania.

The first semester covers the period from the first explorations to 1865, with emphasis on the following topics: the expansion of Europe in the 16th century, life in the colonies, the growth of American political institutions, and the sectional conflict. The second semester covers the period from 1865 to the present, with particular emphasis upon political and social developments.

Credit: Six hours

305-306. History of England.

The course traces the growth of English life from Anglo-Saxon times to the present, dealing with the major political, constitutional, and economic developments of the country.

Credit: Six hours

307-308. Diplomatic History of the United States.

The course traces the major developments in foreign policy and diplomacy from the time of the American Revolution to the present.

(Offered in 1963-64 and alternate years)

Credit: Six hours

309. American Intellectual History.

A study is made of the main trends in the growth of American thought, from the Puritans in the 17th century through the naturalism and pragmatism of the late 19th century.

(Offered in 1964-65 and in alternate years)

Credit: Two hours

311. History of the American West.

The main factors in the development of the American West, including the settlement of the Spanish Southwest, the fur trade, the land laws, the development of transcontinental railroads, and related topics.

(Not offered in 1964-65)

Credit: Three hours

317-318. History of Russia.

The first semester traces the growth and consolidation of Russia from the early settlements of the Slavs and Varangians through the growth of Muscovy and the rise of the Czars. The semester ends with the study of the Napoleonic wars. The second semester treats the reform and revolutionary movements of the nineteenth century and the organization of the communist state in the twentieth century. Prerequisite: History 101-02.

(Offered in 1964-65 and alternate years)

Credit: Six hours

401-402. Historical Methods.

For history majors. The course emphasizes techniques of historical research, through assignment of research problems. Prerequisites: a minimum of 12 hours in history.

Credit: Six hours

POLITICAL SCIENCE

Messrs. Jenkins, Eyrich, Marcum, and Murray

Requirements for major: 24 semester hours beyond Political Science 101. Six semester hours may be taken in related fields upon consultation with major professor. Political Science 101 is a prerequisite for other political science courses unless exceptions are made by the Political Science Department.

101. American Government.

A one-term survey course of the American federal system, with special attention given to the horizontal relationship between the national government and the states; and the horizontal relationship between the executive, the legislative, and the judicial branches of each of these component parts.

Credit: Three hours

102. Political Parties.

A general survey of the role of a political party as an instrument for energizing the public will into a course of political action. Special attention will be devoted to the organization of political parties in the United States from the precinct to the national committee, and for purposes of analogy, their organization in selected representative and totalitarian states.

Credit: Three hours

201. International Politics.

An inquiry into the political, strategic, economic, racial, and ethical factors which in varying degrees determine the relationship between nations.

Credit: Three hours

202. American Foreign Policy.

An examination of the political, strategic, economic, and social relationships of the United States.

Credit: Three hours

203-204. Comparative Foreign Government.

The first semester deals with the British, French, German, Italian, and Russian governmental and political systems. The second semester's emphasis is on the governments of the Far East and Southeast Asia, specifically Japan, China, India, Pakistan, and Indonesia.

Credit: Six hours

301-302. Political Theory.

The development of Western political thought from earliest times down to the French Revolution is considered in the first semester. The second semester is concerned with the development of the political ideologies which came to fruition in the twentieth century.

Credit: Six hours

303. American Political Theory.

An examination from colonial times to the present of the political values inherent in American culture as reflected in the clash between our individualistic *laissez faire* and empirical collective tradition.

Credit: Three hours

304. Foundation of Modern Jurisprudence.

Designed primarily to familiarize students with the forms and development of those legal concepts which are the foundation of jurisprudence, what the law is, how it is made and subsequently applied. Required for all political science majors; especially recommended for pre-law students.

Credit: Three hours

307. African Politics.

Study of the political configuration of contemporary Africa. Emphasis upon new political systems developing in independent states and emerging relations among these new states.

Credit: Three hours

308. International Organization.

The role of the United Nations, specialized agencies, and regional organizations (e.g. NATO, OAS) in international affairs. Special attention is given to the process and problems of building and institutionalizing political community at the interstate level.

Credit: Three hours

309-310. Public Administration.

A study is made of the principles which underlie the structure of administrative organizations, their management techniques, the problem of administrative responsibility, and the general character of administrative law.

Credit: Six hours

401. American Constitutional Law.

A study of the leading decisions of the Supreme Court with respect to the relationship between the states and the national government, and within the latter, the relationship between the executive, legislative, and judicial branches.

Credit: Three hours

402. Political Science Seminar.

This seminar, required of all seniors majoring in political science, is designed to integrate into a coherent pattern the specialized aspects of previous studies. Each student will be required to submit a satisfactory paper examining some specific governmental, constitutional, or political problem and to demonstrate a familiarity with research procedure.

Credit: Three hours

SOCIOLOGY AND ANTHROPOLOGY

Messrs. Foster and Gunn

Requirements for a major in sociology: 24 semester hours in sociology in addition to Sociology 101 and Statistical Methods 402. Six hours credit may be taken in related subjects upon consultation with the major professor.

101. Introduction to Sociology.

This course deals with the basic facts of social life: heredity and environment, imitation and inhibition, social groups and institutions, commodities, social change and disorganization.

Credit: Three hours

201. Anthropology.

An introduction to the science of man and his work in the light of the findings of physical anthropology, cultural anthropology, archaeology, and linguistics.

Credit: Three hours

202. Ethnology of West Africa.

A survey of the traditional institutions and cultures (including the languages) of the peoples of the Guinea Coast, the western and central Sudan and the Congo Basin. Prerequisite: Sociology 201.

(Offered Fall term, 1965, and alternate years) Credit: Three hours

203. Ethnology of Eastern Africa.

The peoples and cultures of the eastern Sudan, the East Horn (Ethiopia and Somaliland), and Greater East Africa (the East Coast and hinterland, South and Southwest Africa). Prerequisite: Sociology 202 (Ethnology of West Africa).

(Offered Spring term, 1964 and alternate years) Credit: Three hours

301. Marriage and the Family.

An introduction to the basics in the study of the family as a social institution, including the parent-child relationship and its influence on child growth and personality development, mate selection, marital adjustment, parenthood, and family disorganization.

Credit: Three hours

302. Race Relations.

A study of the problems of racial and ethnic groups in the world with special emphasis upon race relations in the United States. Outlines, collateral reading, discussions, and term papers constitute the method of instruction. Prerequisite: Sociology 201.

Credit: Two hours

303. Cultural Anthropology.

An introduction to world-wide ethnographic literature; a study of the whole culture of selected societies through standard monographs. Prerequisite: Sociology 201.

Credit: Three hours

304. Prehistory.

An introduction to archeological theory and method, followed by a survey of the prehistoric development of man and world culture inferred from the archeological evidence in the light of current culture theory. Prerequisite: Anthropology 201.

Credit: Three hours

305-306. Population Problems.

An introduction to the basic factors underlying population problems throughout the world. Special emphasis is placed upon new world population problems. Collateral readings with the major emphasis upon discussions and term papers.

Credit: Six hours

307. Criminology.

The social aspects of crime and punishment, with special emphasis on the developments in the field of corrections, crime prevention, and control. Prerequisite: Sociology 101.

Credit: Three hours

308. Urban Sociology.

An introduction to the study of urban society and the urbanization process with reference to the characteristics of the city, its ecology, institutions, and problems.

Credit: Three hours

309. Social Problems.

This course covers the major areas of social disorganization in the contemporary world scene and the underlying historical and psychological factors involved. Present day American maladjustments in the following areas: race relations, employment, education, health, housing, crime and delinquency.

310. Public Welfare Administration.

The problems of relief and public assistance to underprivileged groups, with special attention to the social consequences of economic depression and of war. Prerequisite: Sociology 101.

Credit: Three hours

401. Contemporary Social Theory.

The course includes a brief sketch of basic social theory in ancient times and the middle ages. Upon this background is placed a more detailed analysis of modern and contemporary social theory covering all of the social sciences. The chief idea is to integrate the social disciplines through their several underlying approaches, techniques, and dominant theories.

Credit: Three hours

402. Statistical Methods.

A general introduction to the instruments and techniques of research in education and the social sciences. The student is helped to develop skill in interpreting statistical data as they occur in education and the social sciences. The major emphasis is placed upon the development of skill in the use of the various statistical measures and their application.

Credit: Three hours

403-404. Survey Techniques.

A detailed study of the principles and methods of conducting surveys, an analysis of some representative surveys, and a few applications of survey principles.

Credit: Six hours

405-406. Case Techniques.

The use of case methods in social research and social work illustrated by elemental practice in case methods. The method of instruction consists of the use of textbooks, analysis of representative case types, collateral reading, discussion, and practical applications.

Credit: Six hours

407-408. Seminar.

A seminar for seniors majoring in sociology or other social sciences, centering each year on a different topic of sociological interest, and designed to give each student control of the basic techniques of research design and preparation of research papers.

Credit: Six hours

EDUCATION

Messrs. MacRae and Cornwell

The courses in education aim, in general, to acquaint the student with the principles governing the growth of personality and with the role of education in the process of civilization; and, in particular, to meet the formal requirements of the various states for certification to teach in the secondary field.

201. Introduction to Education.

An overview of the aims, organization and procedures of education to provide a systematic view of the whole field. Information regarding the opportunities and requirements in education as a profession. General education for all students and professional orientation for prospective teachers. Open to sophomores, juniors, and seniors.

Credit: Three hours

202. Educational Psychology.

An introduction to the principles of psychology as involved in the field of formal education. Also a survey of the principles of learning, motivation, and personality development.

Credit: Three hours

204. General Methods in Secondary Education.

The method of the teacher in the high school; class room management; instructional materials; the guidance of the learning experience. Open to sophomores, juniors, and seniors.

Credit: Three hours

301. Tests and Measurements.

Study of representative tests in the secondary field with practice in selecting and administering them. Use of measures of central tendency and variability in interpreting tests. Open to juniors and seniors.

Credit: Three hours

401-402. Practice Teaching.

This course aims to review important theories and practices in secondary education resulting from recent experimental research; to prepare the students for a period of practice teaching in cooperating high schools; and to supervise and direct an actual teaching experience in such schools. Open to seniors.

Credit: Six hours

403. Philosophy of Education.

The philosophical foundations of educational methods. A study of the three viewpoints basic to the major philosophical positions in American education. Open to juniors and seniors.

(Offered occasionally)

Credit: Three hours

PSYCHOLOGY

Messrs. Cornwell and Gaymon

The courses in psychology are designed to offer (1) a broad understanding of the principles of human behavior, (2) training of the pre-professional student in techniques of human relations as applied in the major professional and vocational fields, and (3) a well-rounded orientation in systematic, experimental, and clinical psychology for students planning graduate study in this field.

Three hours in General Psychology are prerequisite for all psychology majors. For a major, 24 semester hours in addition to General Psychology are required. Six of these hours may be accepted from the following interdepartmental courses: Education 301; Philosophy 203; Sociology 202, 402.

201. General Psychology.

An introductory study of general psychology designed to prepare for more advanced work in the subject.

Credit: Three hours

202a. Experimental Psychology.

An introduction to laboratory methods in experimental psychology. Psychology 201 prerequisite or concurrent.

(First Semester)

Credit: Three hours

202b. Experimental Psychology.

A continuation of 202a with the design, performance, and report of an original psychological experiment required. Prerequisite: 201, 202a.

(Second Semester)

Credit: Three hours

203. The Psychology of Adjustment.

A theoretical and clinical study of mental and personality adjustments in the process of development. Prerequisite: Psychology 201.

Credit: Three hours

204. Mental Hygiene.

An intensive study of the principles and procedures involved in the maintenance and rehabilitation of mental health. An autobiographical self-analysis and evaluation is required from each student as a term project. Prerequisite: Psychology 201, 203.

Credit: Three hours

301. Applied Psychology.

A comprehensive survey of the application of the principles of psychology in various occupational fields. Particular emphasis is given to the application of these principles in the fields of education, medicine, law and criminology, and industry. Lectures, demonstrations, practical observations and reports, with collateral readings from psychological writings constitute the chief procedures in this course. Prerequisite: Psychology 201.

(Given in 1964-65 and alternate years)

Credit: Three hours

302. Social Psychology.

An intensive study of the principles of psychology in group relationships. Prerequisite: Psychology 201.

Credit: Three hours

304. Abnormal Psychology.

A study of distortions of behavior resulting from disturbances and disorders in the mental and emotional aspects of human personality. Prerequisite: Psychology 201.

Credit: Three hours

401. Contemporary Schools of Psychology.

A survey of points of view in a selected sampling of schools of psychology. Prerequisite: Psychology 201, 203.

(Given in 1965-66 and alternate years)

Credit: Three hours

402. Statistical Methods.

For description see Sociology 402. Prerequisite: Psychology 201.

(Given in 1964-65 and alternate years)

Credit: Three hours

402b. Advanced Statistical Methods.

A continuation of 402 including partial and multiple correlation, non-parametric methods, and an introduction to the analysis of variance.

Credit: Three hours

403-404. Psychology Seminar.

The first semester requires an intensive investigation and report by each student on a major problem in the field of psychology. The second semester consists of the independent preparation of original theoretical or experimental solutions to limited aspects of problems developed in the first semester. Restricted to seniors majoring in psychology.

Credit: Six hours

405-406. Physiological Psychology.

A survey and evaluation of fact and theory concerning the relationship between behavior and its physiological substrates, supplemented by training in laboratory techniques of psychophysiological experimentation. The first semester is devoted to the study of sensory functions; the second semester to motor functions, emotion, and learning. One lecture hour and two laboratory periods. 405 may be taken alone for three hours credit, but is a prerequisite for 406. Prerequisites: Psychology 201, 202, 402.

Credit: Six hours

GENERAL BUSINESS AND ECONOMICS

Messrs. Washington and Merriam

In order to major in either of these areas, the student must complete Economics 201-202 and General Business 201-202.

GENERAL BUSINESS

Mr. Washington

The general business major covers offerings in the broad core curriculum of the business field. The purpose of this program is to acquaint the student with the fundamental principles of the various business areas. It is designed to prepare the student for future specialization in a particular area, for an understanding of his role in business employment, and to be a more competent citizen in our business-centered society.

The requirement for a major is twenty-four semester hours above the basic course (Elementary Accounting). In addition, students in this field must complete Elementary Economics 201-202.

201-202. Elementary Accounting.

The basic concepts and procedures of accounting theory and practice: nature of accounting, the accounting cycle, special journals and ledgers, controlling accounts, procedures for payrolls, the voucher system, partnerships and corporations, and manufacturing accounts. Both semesters must be taken to obtain credit.

Credit: Six hours

203-204. Personal and Family Finance.

This is a general course designed to serve the needs of students in all departments. Students may enter either term.

Personal Finance aims to develop competence and the proper attitude in handling of individual and family monetary matters. Among the topics considered are: budgeting, consumer credit (sales and loan), bank accounts (savings and checking), uses of life insurance, property and health insurance, annuities, various forms of investments, problems of home ownership, and wills. (No credit is given toward a major in Business.)

Credit: Six hours

301-302. Intermediate Accounting.

Among the topics considered are: an analysis of the treatment applicable to each balance sheet account; financial statements and net income concepts; generally acceptable accounting principles; and interpretation of financial statements. Both semesters must be taken to obtain credit.

Credit: Six hours

303-304. Business Organization and Management.

Nature of business, forms of business ownership organization, various functions of business, such as production, marketing, finance, and controls will be examined during the first term.

The second semester deals with the principles of management common to all types of enterprise. Students may enter either term.

Credit: Six hours

305-306. Business Law.

Among the topics to be considered are: contracts, sales, negotiable instruments, agency, bailments, partnerships, and corporations.

Credit: Six hours

401-402. Principles of Marketing.

A general survey of the various functions of marketing, the channels of distribution, management and marketing policies.

Credit: Six hours

Corporation Finance. See Economics 305.

ECONOMICS

Mr. Merriam

Requirements for a major in economics: 24 semester hours in economics in addition to Economics 201-202. Not more than six semester hours in related fields may be credited toward the major, if approved by the department head. Economics 201-202 is a prerequisite for other economics courses unless exceptions are made by the department head.

201-202. Elementary Economics.

A general survey of the principles of economics and their application to current economic problems.

Credit: Six hours

301. International Economics.

Theory of international trade; imperialism; free trade and protectionism; currency standards; exchange rates and fluctuations; exchange controls; international banking; contemporary problems.

(Offered in alternate years)

Credit: Three hours

303. National Income and Business Cycles.

An analysis of cyclical fluctuations in national income. Study of economic data pertaining to business cycles; the structure and use of the national income accounts; the forces causing fluctuations in the levels of income, employment, production, and prices; leading theories of the business cycle and proposed remedies.

(Offered in alternate years)

Credit: Three hours

305. Corporation Finance.

Organization of corporations; types of securities, recapitalizations, reorganizations, and combinations; government control of security issues and trading.

(Offered in alternate years)

Credit: Three hours

307. Comparative Economic Systems.

A comparison of the theory and operation of capitalist, socialist, communist, fascist, and mixed economies.

(Offered in alternate years)

Credit: Three hours

308. Development of Economically Underdeveloped Areas.

The economic status of underdeveloped areas, the causes of economic development, and the problems and difficulties involved.

Credit: Three hours

309. Public Finance.

A survey of federal, state and local taxation, expenditures, and debt management.

(Offered in alternate years)

Credit: Three hours

311. Price and Distribution Theory.

A study of the allocation of economic resources and the distribution of income by the price system. The course includes: an examination of the functions of the price system; an analysis of various market situations, including pure competition, pure monopoly, monopolistic competition, and oligopoly; an examination of contemporary theory and theoretical controversy on the determination of wages, interest, rent, and profit.

Credit: Three hours

312. Fiscal Policy.

An examination of the relationship between economic life and the federal government. The course examines: the general nature of the relations between the government and the economy; government and agriculture; monopoly, free enterprise, and anti-trust activities; the nature and regulation of public utilities; government ownership, operation, conservation, and planning; cooperatives; and other selected topics.

(Offered in alternate years)

Credit: Three hours

313-314. History of Economic Thought.

The development of economic thought from the Old Testament to contemporary theory, leading to a deeper understanding of current economic theory and theoretical controversy, as well as current economic problems.

(Offered in alternate years)

Credit: Six hours

315. Labor Economics.

This course deals with the theory of labor relations as well as with the problems of wages and working conditions, trends in trade unionism, and labor legislation.

Credit: Three hours

317-318. Money and Banking.

An examination of the financial organization of our economy. The nature of money and credit; the role of commercial banks and other financial institutions; central banking and the Federal Reserve System; monetary policy as a means of economic stabilization; modern monetary theory.

(Offered in alternate years)

Credit: Six hours

402. Seminar in Economics.

Independent study of special topics in economics, for advanced students.

Credit: Three hours

404. Government and Economic Planning.

The factors which have led to the assumption by major national governments of the function of central economic planning are described and analyzed as well as the nature of the planning organization, its place in the governmental structure and the techniques used, with particular reference to the United States and Great Britain. The problems encountered in economic planning, including the limitations imposed on economic policy by the political framework within which it must operate, are illustrated by studying intensively one or two subject areas. Prerequisite: Economics 101-02 in addition to Political Science 101.

(Offered in alternate years)

Credit: Three hours

PHYSICAL EDUCATION AND ATHLETICS

Messrs. Rivero, Gardner, Smith, Bowers, Jones, Grumbine

All instruction and related activities in the fields of health, physical education, hygiene and athletics are administered by the Physical Education Department. A medical examination is required of all students. The Health Services advise with the Department of Physical Education in the assignment of students to activities in accord with their physical needs. All non-veteran undergraduates are required to take Freshman and Sophomore Physical Education.

The department advises majors to elect Biology 101, Anatomy 201, Physiology 302, and special courses in education.

101-102. Freshman Physical Education.

Instruction and practice in the fundamental skills of team games, individual activities, and lectures in standard first aid course.

Credit: Two hours

201-202. Sophomore Physical Education.

Instruction and practice in team games and individual activities leading to a satisfactory demonstration of skills in, and knowledge of, at least two team games, and one combative and one individual activity.

Credit: Two hours

206. Personal Hygiene.

To provide the student with information on human development and adjustment relative to self, school, home and other social influences.

Credit: Three hours

207. Safety Education.

A course covering all phases of school safety education — home, occupational, recreational and transportational. Includes a study of the well organized school safety program, its administration and organization.

Credit: Three hours

209-210. Physical Education Activities I and II.

During the first semester instruction and practice in handball, volleyball and football, provide the student with basic techniques for play rules and recreation programs. During the second semester lectures and practice develop the elements of play rules and safety procedures in track and field events, baseball, and games of low organization. Three lecture hours and two laboratory periods.

Credit: Four hours

213-214. Officiating of Athletic Sports.

The principles, techniques, rules and regulations for officiating in football, soccer, and basketball are studied. During the second semester the principles, techniques, rules and regulations for officiating in wrestling, track and field, and baseball are presented. Two lecture hours and two laboratory periods.

Credit: Four hours

301-302. Physical Education Activities III and IV.

Analysis, practice and fundamentals in basketball, gymnastics, wrestling and intramural activities are studied during the first semester. The second semester is devoted to activities designed to help develop physical and recreational skills with a carry-over value, including badminton, tennis, golf, and other individual sports. Three lecture hours and two laboratory periods.

Credit: Four hours

303. Principles and History of Physical Education.

A course in the theory and history of physical education including the relation of physical education to the general field of education, specific activities in physical education, its aims and the problems that require study.

Credit: Three hours

304. Health Instruction in the Schools.

Methods, practice, demonstration, and observation of the programs and problems of health education in junior and senior high schools.

Credit: Three hours

305. Care and Prevention of Injuries, Conditioning and Training.

Lectures, practice, and demonstration in the care and prevention of injuries.

Credit: Three hours

307. Physiology of Exercise.

The functions of the human body and the mechanism of bodily movements. Prerequisite: Physiology 302.

Credit: Three hours

308. Kinesiology.

A study of the principles of human motion. Anatomical and mechanical analysis of everyday and physical education activities are emphasized for the purpose of promoting normal physical development and improvement of performance. Prerequisite: Anatomy 201.

Credit: Three hours

401. Health Service and Supervision in Schools.

Health examinations, follow-up procedures, special classes, school feeding, and hygiene of the school environment.

Credit: Three hours

402. Organization and Administration of Health and Physical Education.

Administrative policies and standards pertaining to the execution of the program of health and physical education in the public schools.

Credit: Three hours

405. Methods and Principles of Athletic Coaching.

Fundamentals of coaching, techniques and tactics of individual and team play.

Credit: Three hours

406. Leadership in Community Recreation.

Methods of conducting recreational programs for rural and urban communities with various activities designed to meet the needs and interests of the community.

Credit: Three hours

408. Methods of Teaching Physical Education.

Fundamental problems in the selection, organization, guidance, and evaluation of physical education activities, individual as well as group.

Credit: Three hours

Directory

TRUSTEES OF THE LINCOLN UNIVERSITY

William W. Scranton
The Governor of the State of Pennsylvania
(ex officio)

<i>Year of First Election</i>		<i>Expiration</i>
1951	RALPH J. BUNCHE, New York, New York	<i>Honorary</i>

TRUSTEES ELECTED DIRECTLY BY THE BOARD

1959	GEORGE M. LEADER, Philadelphia, Pennsylvania	1965
1959	THOMAS L. FARMER, Washington, D. C.	1965
1959	ALBERT M. GREENFIELD, Philadelphia, Pennsylvania	1965
1964	WILLIAM P. YOUNG, Harrisburg, Pennsylvania	1965
1945	JOHN H. WARE, III, Oxford, Pennsylvania	1966
1951	ROGER S. FIRESTONE, Pottstown, Pennsylvania	1966
1957	E. LUTHER CUNNINGHAM, Philadelphia, Pennsylvania	1966
1964	JOSEPH C. WADDY, Washington, D. C.	1966
1947	DAVID G. MORRIS, Bayonne, New Jersey	1967
1951	JULIUS ROSENWALD, II, Elkins Park, Pennsylvania	1967
1959	MRS. ROBERT B. WOLF, Philadelphia, Pennsylvania	1967
1964	DWIGHT W. MORROW, JR., New Hope, Pennsylvania	1967
1942	WALTER D. FULLER, Narberth, Pennsylvania	1968
1959	F. W. ELLIOTT FARR, Philadelphia, Pennsylvania	1968
1959	J. WAYNE FREDERICKS, New York, New York	1968
1964	CHARLES A. ROBINSON, Kaolin, Pennsylvania	1968
1944	WALTER M. PHILLIPS, Philadelphia, Pennsylvania	1969
1959	STEPHEN B. SWEENEY, Lansdowne, Pennsylvania	1969
1960	JOHN H. FERGUSON, University Park, Pennsylvania	1969
1964	JOHN B. HANNUM, Unionville, Pennsylvania	1969
1959	ANDREW M. BRADLEY, Harrisburg, Pennsylvania	1970
1947	GEORGE D. CANNON, New York, New York	1970
1959	ALEXANDER S. COCHRAN, Baltimore, Maryland	1970
1949	STEWART HUSTON, Coatesville, Pennsylvania	1970
1964	ARTHUR B. KRIM, New York, New York	1970

TRUSTEES ELECTED BY THE BOARD ON NOMINATION OF THE ALUMNI

1964	WAYMAN R. COSTON, Wilmington, Delaware	1964
1962	MACEO W. HUBBARD, Washington, D. C.	1965

PRESIDENT OF THE UNIVERSITY

1961	MARVIN WACHMAN, Lincoln University	ex officio
------	--	------------

Officers of the Trustees

WALTER M. PHILLIPS, *Chairman*
GEORGE D. CANNON, *Vice Chairman*
WILLIAM R. COLE, *Secretary*
AUSTIN H. SCOTT, *Treasurer*
FRANK J. DOWD, JR., *Asst. Secretary*

Board of Trustees

Standing Committees

Executive

Cannon, *Chairman*
Phillips
Wachman
Rosenwald
Sweeney
Ware
Cunningham
Farr
Greenfield

Nominations to Board

Farmer, *Chairman*
Cannon
Cochran

Investment

Farr, *Chairman*
Firestone
Huston
Rosenwald
Scott, *Adviser*

Education

Waddy, *Chairman*
Farmer
Ferguson
Hubbard
Wolf

Property

Ware, *Chairman*
Cochran
Bradley
Huston
Farr

Honorary Degrees

Morris, *Chairman*
Fredericks
Cunningham
Sweeney

THE FACULTY

1963-1964

MARVIN WACHMAN

B.S., M.A., Northwestern University; Ph.D., University of Illinois
President

HORACE MANN BOND

A.B., Lincoln; M. A., Ph. D., Chicago; LL.D.
President Honorarius

HAROLD FETTER GRIM

A.B., Lafayette; M.S., Chicago; D.Sc.
Professor of Biology, Emeritus

SAMUEL McKEE BRADLEY

A.B., Kentucky State; M.A., University of Washington
Instructor in English as a Second Language
African Center

WILLIAM RAYMOND COLE

B.S., Middlebury; M.S., Pennsylvania
Burkitt Webb Professor of Physics

****HENRY GILBERT CORNWELL**

A.B., Lincoln; M.S., Ph.D., Pennsylvania
Professor of Psychology

DONALD McKAY DAVIES

A.B., Wheaton; M.A., Minnesota; Th.B., Th.D., Princeton
Professor of Religion and English

PHILIP ALLAN EYRICH

A.B., Albright; M.A., Pennsylvania State
Instructor in Political Science
Coordinator, African Center

HAROLD ALFRED FARRELL

A.B., Lincoln; M.A., Ph.D., Ohio State
Professor of English

MARY VAN BLAKE FARRELL

A.B., West Virginia State
Assistant in English

LAURENCE FOSTER

A.B., S.T.B., Lincoln; Ph.D., Pennsylvania
Henry A. Kerr Professor of Sociology

JAMES WILLIAM FRANKOWSKY

B.S., M.S., New York
Reuben J. Flick Associate Professor of Mathematics

ROBERT NATHANIEL GARDNER

A.B., Macalester; B.S., M.Ed., Minnesota
Associate Professor of Physical Education

WILLIAM E. GAYMON
B.S., M.S., Howard; Ph.D., Temple
Assistant Professor of Psychology

EDWARD B. GROFF
B.S., Temple; M.A., Pennsylvania, Ph.D., Kansas
Associate Professor of English

ARMSTEAD OTEY GRUBB
A.B., Princeton; Ph.D., Pennsylvania
Professor of Spanish and French

HAROLD DALE GUNN
A.B., Southern Methodist; M.A., University of London
Assistant Professor of Sociology and Anthropology

PETER JOHNSON HALL
A.B., Lincoln; M.A., Pennsylvania
Instructor in Biology

JOSEPH L. HARRISON
B.S., Leland; M.S., Ph.D., State University of Iowa
Professor of Biology

MYRTLE SEETS HARRISON
A.B., M.A., Fisk
Lecturer in English

GERALD Q. HURWITZ
A.B., George Washington; M.A., Johns Hopkins
Instructor in Philosophy

HOLMAN WEISER JENKINS
A.B., The Citadel; M.A., Ph.D., Pennsylvania
Assistant Professor of Political Science

LEROY DENNIS JOHNSON
A.B., Lincoln; M.S., Ph.D., Pennsylvania
Professor of Chemistry

WILLIAM T. M. JOHNSON
B.S., Virginia State; M.S., Ph.D., Pennsylvania
Associate Professor of Chemistry

JOHN CHRISTOPHER KOGEL
B.S., M.F.A., Pennsylvania
Visiting Lecturer in Art History

PAUL KUEHNER
A.B., Westmar; Ph.D., Pennsylvania
Professor of German and French

JAMES MARIO LASALA
A.B., Hofstra; M.A., Pennsylvania
Assistant Professor of English

JAMES BONNER MACRAE
A.B., Lincoln; M.A., Columbia
Professor of Education

****JOHN ARTHUR MARCUM**
 A.B., Ph.D., Stanford; M.A., Columbia
Professor of Political Science
Director of African Program

DIMBERU HAPTE MERRIAM
 B.B.A., Spicer College, India; M.B.A., Pennsylvania
Instructor in Business and Economics

****ANDREW EVANS MURRAY**
 A.B., Colorado; Th.B., Th.D., Princeton
Abigail A. Geisinger Professor of Religion

DONALD LEE PIERCE
 A.B., Lincoln; M.S., Pennsylvania
Instructor in Mathematics

LOUIS S. PUTNAM
 A.B., Yale
Visiting Lecturer in English

GRACE BERESFORD RIVERO
 A.B., Union (Richmond, Va.); M.A., Teachers College (Columbia)
Instructor in English

*****MANUEL RIVERO**
 A.B., M.A., Columbia
Professor of Physical Education

DEFOREST PORTER RUDD
 B.S., Harvard; Ph.D., University of California
Professor of Chemistry

BENJAMIN SCHWARTZ
 A.B., M.A., New York; Ph.D., Columbia
John H. Cassidy Professor of Classics

ROBERT EUGENE SMITH
 A.B., Lincoln; M.A., Pennsylvania
Instructor in Physical Education

STANLEY ALEXANDER SROUFE
 A.B., M.S., Ph.D., Ohio State University
Assistant Professor of Biology

† **RICHARD P. STEVENS**
 A.B., Notre Dame; M.A., Ph.D., Georgetown
Supervisor, African Center

SAMUEL GOVAN STEVENS
 A.B., S.T.B., Lincoln; Th.M., Union (Va.); S.T.M., Western; D.D.
Associate Professor of Religion

ORRIN CLAYTON SUTHERN, II
 A.B., Western Reserve University; M.A., Columbia University
Professor of Music

STANLEY SHING-HWA TSAI
B.S., Lafayette
Instructor in Physics

ROBERT D. VARRIN
B.S.E., M.S.A., Princeton
Visiting Lecturer in World Geography and Geology

WALTER EVERETT WARING
A.B., M.A., Pennsylvania
Associate Professor of French

*SAMUEL THEODORE WASHINGTON
A.B., Lincoln; M.A., Atlanta; M.B.A., Pennsylvania
Associate Professor of Accounting

EMERY WIMBISH
A.B., Clark; B.L.S., Atlanta
Assistant Librarian with the Rank of Instructor

RICHARD CARLYLE WINCHESTER
A.B., Ursinus
Assistant Professor of History

DONALD CHARLES YELTON
A.B., Hamilton; M.A., Georgetown; M.S., Ph.D., Columbia
Librarian with the Rank of Associate Professor

* On leave first semester, 1963-64

** On leave second semester, 1963-64

***On leave 1963-64

† Second semester only

ADMINISTRATION

MARVIN WACHMAN, B.S., M.A., Ph.D.

President of the University

FRANK JOHN DOWD, JR., A.B., M.A.

Vice President

AUSTIN HAMMOND SCOTT, Ph.B.

Vice President for Business and Finance

LEROY DENNIS JOHNSON, A.B., M.S., Ph.D.

Dean of the College

JAMES BONNER MACRAE, A.B., M.A.

Dean of Students

PAUL KUEHNER, A.B., Ph.D.

Registrar

TOYE GEORGE DAVIS, A.B., M.S., Ph.D., M.D.

University Physician

HAROLD ALFRED FARRELL, A.B., M.A., Ph.D.

Director of Alumni Relations

FREDERICK LAWRENCE KEEFE, A.B., B.D.

DAVID BERNARD KENT, A.B.

Counselors on Admission

RALPH H. BOWERS, A.B.

Public Information Officer

SAMUEL H. GRANT, A.B.

Director, Student Union; Placement Counselor

HAROLD DALE GUNN, A.B., M.A.

Curator of the African Collection

DONALD LEOBOLD MULLETT, A.B., M.B.A.

Comptroller

WILLIAM STUART OSBORNE, B.S.

Superintendent of Buildings and Grounds

LOUIS S. PUTNAM, A.B.

Director of Publications

GLADYS WILLIAMS RENWICK, B.S.

Director of Food Services

SAMUEL GOVAN STEVENS, A.B., S.T.B., D.D., Th.M., S.T.M.

University Chaplain

DONALD CHARLES YELTON, A.B., M.A., M.S., Ph.D.

University Librarian

Associates

GRACE J. FRANKOWSKY

Secretary to the President

GOLDYE K. JOHNSON, B.S., M.L.S.

Circulation Librarian

EDWIN E. LEID

Manager of College Store and Post Office

FRANCIS NAGY, A.B., Ph.D.

Accountant and Assistant Business Manager

EMERY WIMBISH, A.B., B.L.S.

Assistant Librarian

ELSIE M. WINCHESTER

Assistant Registrar

COMMITTEES OF THE FACULTY FOR 1963-1964

The President of the University is *ex-officio* a member of all committees.

The first named in each committee is the Chairman.

- ACADEMIC STANDING: L. Johnson, Cornwell, Harrison, Kuehner
 ADMINISTRATIVE: Wachman, Foster, Gardner, L. Johnson, Kuehner, MacRae, Schwartz, Scott, Yelton (Dowd)
 ADMISSIONS: Kuehner, Cornwell, Harrison, L. Johnson
 APPOINTMENTS: Wachman, Davies, L. Johnson, MacRae, Rudd
 ATHLETICS: Gardner, Davies, Gaymon, Winchester. Students: Robert Albright, John Black, DeWitt Foster
 CURRICULUM: L. Johnson, Jones, Kuehner, LaSala, Sroufe. Students: Anthony Johnson, Clisson Woods
 EDUCATIONAL POLICIES: Wachman, Frankowsky, L. Johnson, Jones, Suthern, Winchester
 HEALTH: MacRae, Davis, Gardner, Pierce, Students: Everett Hoagland, Stanley Smith
 HONORARY DEGREES: Cornwell, Cole, Farrell, Grubb, Marcum
 JUDICIAL: Grubb, Cole, Suthern, Washington
 LECTURES AND RECITALS: Suthern, Grant, L. Johnson, Marcum, Putnam, Wimbish. Student: James Pruitt
 LIBRARY: Gunn, Farrell, Frankowsky, Yelton. Student: Anthony Monterio
 PRIZES AND AWARDS: L. Johnson, Kuehner, MacRae, Merriam, Waring
 RELIGIOUS ACTIVITIES: Stevens, Hurwitz, W. Johnson, Putnam, Suthern. Student: James Woods
 SCHOLARSHIPS: Kuehner, Frankowsky, Gaymon, L. Johnson, MacRae, Smith
 STATUTES: Jones, Cornwell, Grubb, L. Johnson, Kuehner, Yelton
 STUDENT PERSONNEL: MacRae, Frankowsky, Jenkins, Smith. Students: Alfred Carroll, Joseph Dorsey, Billy Floyd, Noble Thompson
 STUDENT WELFARE: Murray, Eyrich, MacRae, Sroufe, Stevens, Tsai. Students: Norman Armstrong, Ernest Azikiwe, Carl Clark

Library Staff

Kathleen Brison	Sophy H. Cornwell
Marjorie V. Cole	Caroline C. Kirk
Rosalie Clemons	Grace B. Rivero
Jane Willits	

Administrative Assistants

Jane B. Baughman	Grace R. Meeks
Ruth M. Bowers	Dorothy M. Milbourne
Helen J. Bowers	Leanna M. Nelson
Diana C. Criswell	Theresa G. Nieweg
Alice R. Cullen	Linda J. Rhodes
Joanne R. Graybeal	Elizabeth S. Schwartz
Gwendolyn B. Hart	Doris L. Stroud
Louise W. Hopkins	Calva M. Talbot
Juanita C. Lewis	Barbara H. Walters

Degrees, Honors, Directory of Students

Conferred June 2, 1963

HONORARY DEGREES

DOCTOR OF DIVINITY

Daniel Grafton Hill Washington, D. C.

DOCTOR OF HUMANE LETTERS

Margaret Mead New York, N. Y.

DOCTOR OF LAWS

Hugh Scott Philadelphia, Pa.

DOCTOR OF CIVIL LAW

Kenneth Bancroft Clark New York, N. Y.

BACHELOR OF ARTS

Augustine Kofi Adjei Ghana, W. A.

John Charles Anderson Philadelphia, Pa.

Neil Lorenzo BaCote Newark, N. J.

Marion Bates Hempstead, N. Y.

Alonzo Blair Baxter, Jr. Coatesville, Pa.

Donald George Beaman Whitesboro, N. J.

Raymond Edward Betz Philadelphia, Pa.

Vincent Roland Chesterfield Bridgewater Pembroke, Bermuda

Glenwood Cecil Brooks, Jr. Philadelphia, Pa.

Joseph Henry Butler Columbia, S. C.

Alexander Eugene Carter Philadelphia, Pa.

Frank Carter Constant Philadelphia, Pa.

Phyllis Carol Corbin Philadelphia, Pa.

Gerald Cousins Bethlehem, Pa.

Rushton Theodore Covington Langhorne, Pa.

John Elliott Crowder Whitaker, Pa.

Charles Edward Diggs, Jr. Harrisburg, Pa.

Alonzo Edmiston, Jr. Philadelphia, Pa.

Gene Kenneth Emanuel St. Croix, V. I.

Charles Horace Gibson Pennsauken, N. J.

Whitfield A. Gittens Brooklyn, N. Y.

Donald Albert Green Philadelphia, Pa.

Terry L'Ouverture Guerrant, Jr. Harrisburg, Pa.

Francisco Guinals Brooklyn, N. Y.

Paul Hall Red Bank, N. J.

Leslie Terrence Harris Philadelphia, Pa.

Charles William Herr, Jr. Oxford, Pa.

Dennis Allan Hughes Pittsburgh, Pa.

Andrew Fleming Jackson Philadelphia, Pa.

Stanley Jacobs St. Croix, V. I.

Raymond Medwick Johnson	New York, N. Y.
Roland Johnson	Cleveland, Ohio
Horace Augustus Judson	Fort Lauderdale, Fla.
Edward Wellington Keels	Philadelphia, Pa.
Marvin Edward Lawrence	Lincoln University, Pa.
Ronald Kenith Lawrence	Jersey City, N. J.
William W. Malloy	Harrisburg, Pa.
Edgar Oliver Mandeville	New York, N. Y.
Robert Hilton Mann	Red Bank, N. J.
Keiffer Jackson Mitchell	Baltimore, Md.
Calvin Sylvester Morris	Philadelphia, Pa.
Nicholas Muratha Mugo	Kenya, E. A.
Sylvester Murray	Miami, Fla.
Kaiso Nquot	Nigeria, W. V.
Bernard Dennis Oates	Farmingdale, N. J.
Allen Alva Pickering	New York, N. Y.
Christopher Godfrey Pratt	Brooklyn, N. Y.
William Hudson Ravenell	Boston, Mass.
Eventius Edet Sam	Nigeria, W. A.
Edmond Fountain Scott, III	Philadelphia, Pa.
William Randolph Scott	Philadelphia, Pa.
Earl Maurice Simpkins	Philadelphia, Pa.
Clarence Theodore Staplefoote, Jr.	Winston-Salem, N. C.
Theodore Johnson Taliaferro, Jr.	Tyler, Tex.
Ignatius Isaac Ukpong	Nigeria, W. A.
Orville Russel Walls, Jr.	Kennett Square, Pa.
Dandridge Eugene Wilkerson	Philadelphia, Pa.

HONOR GRADUATES

summa cum laude

Ronald Kenith Lawrence

magna cum laude

Alexander Eugene Carter

Ignatius Isaac Ukpong

cum laude

Neil Lorenzo BaCote

Joseph Henry Butler

Alonzo Edmiston, Jr.

Horace Augustus Judson

Calvin Sylvester Morris

Nicholas Muratha Mugo

Sylvester Murray

Allen Alva Pickering

William Randolph Scott

Prizes and Awards, 1963

<i>Class of 1899 Prize in English</i>	David W. Martin
<i>Class of 1900 Prize in Debating</i>	Wyatt B. Johnson
<i>C. Morris Cain Prize in Bible</i>	Florence V. Collins
<i>S. Leroy Morris Prize in Biology</i>	Alonzo Edmiston
<i>William H. Madella Prize</i>	Horace A. Judson
<i>National Ladies Auxiliary Prize</i>	William R. Scott
<i>Class of 1915 Prize</i>	Horace A. Judson
<i>Norman E. Gaskins Memorial Prize in Organic Chemistry</i>	Horace A. Judson
<i>Walter Fales Memorial Prize in Philosophy</i>	Neil L. BaCote
<i>Frazier S. Taylor Memorial Scholarship</i>	David L. Virgil
<i>National Ladies Auxiliary Scholarships</i>	Thomas E. Guyden Andrew D. McBride
<i>Eichelberger Award for Creative Writing</i>	First: Theodore Francis Second: Donald Bogle
<i>The General Chemistry Award</i>	Joseph Reed
<i>Freshman Mathematics Achievement Award</i>	Judy A. Schlegel
<i>Silas F. Taylor Memorial Prize</i>	Ronald K. Lawrence
<i>E. K. Marrow Memorial Award</i>	Ronald K. Lawrence
<i>Amy L. Johnson Award</i>	Sylvester Murray
<i>Henry W. B. Campbell Award</i>	Ronald K. Lawrence
<i>Rabbi Weitz-Beth Israel Temple Award</i>	Ignatius I. Ukpong
<i>Phi Beta Kappa Dean's List Award</i>	Florence V. Collins Kunihiko Takeuchi, Carl D. Clarke, Marita J. Rivero Ronald K. Lawrence, Ignatius I. Ukpong
<i>Phi Beta Kappa Annual Fraternity Scholarship Award</i>	Phi Beta Sigma
<i>Omega Psi Phi Award in Honor of Sister Lottie Wilson</i>	Calvin Morris
<i>Kappa Alpha Psi Earl Harris Memorial Award</i>	Edgar O. Mandeville
<i>Philadelphia Section ACS Scholastic Achievement Award</i>	Horace A. Judson
<i>Chemical Rubber Company Physics Achievement Award</i>	John H. Ware
<i>Wall Street Journal Subscription and Medal</i>	Ignatius I. Ukpong
<i>Eastern Long Island Alumni Scholarship</i>	Alexander E. Carter
<i>Samuel Robinson Scholarships</i>	John W. Douglas, William F. Edmead Eugene Hatton, Stanley Jacobs, Salvatore T. Lopes Nicholas M. Mugo, Allen A. Pickering Kunihiko Takeuchi, Theodore J. Taliaferro
<i>Alpha Phi Alpha Awards</i>	Florence V. Collins, Freshman Thomas E. Guyden, Sophomore Carl D. Clarke, Junior
<i>Kappa Alpha Psi Good Citizenship Award</i>	Donald E. Bogle
<i>The Rohm and Haas Graduate Awards</i>	Alexander E. Carter Calvin S. Morris, Ignatius I. Ukpong
<i>Christian R. and Mary F. Lindback Awards for</i>	
<i>Distinguished Teaching</i>	H. Alfred Farrell DeForest P. Rudd Benjamin Schwartz
<i>General Alumni Association Awards</i>	Henry C. Collins, '10 Madison S. Briscoe, '26 Walter W. Haynes, '43

DIRECTORY OF STUDENTS

1963-1964

Freshman Class

Agbugui, John Igetemoh	Nigeria, W. A.
Agyei-Darko, Evans Kwame	Ghana, W. A.
Albriton, James Warren	Cleveland, Ohio
Allen, James Norman	New York, N. Y.
Ashton, Alfred Kenneth	Elkins Park, Pa.
Awaleh, Adam Omaar	Somalia, E. A.
Bailey, James Bernard	Williamsburg, Va.
Bakken, John Steven	Oxford, Pa.
Barton, Barry Mark	Avondale, Pa.
Beck, Charles Purvis	Greenville, S. C.
Bell, James Anthony	New York, N. Y.
Benn, Lester Elwyn	Boston, Mass.
Berkowich, Leonard David	Oxford, Pa.
Best, Eugene	Goldsboro, N. C.
Black, Carol Ann	West Grove, Pa.
Blossom, Leonard Roland	Morristown, N. J.
Boddy, Kerry Atley	Avondale, Pa.
Bohm, Steven Michael	Kennett Square, Pa.
Brown, Reginald James	Philadelphia, Pa.
Bryant, Frederick James	Philadelphia, Pa.
Burwell, Albert Claiborne	Baltimore, Md.
Byrd, Frederick Albert	Philadelphia, Pa.
Cain, Herbert Randall	Philadelphia, Pa.
Cain, Robert Carson	Penns Grove, N. J.
Cain, Royland Forgey	Penns Grove, N. J.
Cann, Wendell Thomas	Pembroke, Bermuda
Carroll, Joseph John	Philadelphia, Pa.
Cheeseman, Oliver Reginal	Williamsburg, Va.
Childress, John Addison	Philadelphia, Pa.
Dacons, Thomas Clifford	Philadelphia, Pa.
Davis, George Henry	Pittsburgh, Pa.
Daye, Jesse Ernest	Nottingham, Pa.
Dingwall, Fabian Fairbanks	Philadelphia, Pa.
Ekong, Anthony Eyo Udo	Nigeria, W. A.
Ellison, Julian, Jr.	Albany, Ga.
Essien, Basil Ufford	Nigeria, W. A.
Essien, Boniface Akpan	Nigeria, W. A.
Felton, Kent Ronald	Philadelphia, Pa.
Ford, Harry Eugene, III	Chicopee, Mass.
Francis, Alfred Lawrence	New York, N. Y.
Funches, Andre Jerome, Jr.	Philadelphia, Pa.
Glover, Henry Benjamin, Jr.	Philadelphia, Pa.
Godette, Thaddeus, Jr.	Philadelphia, Pa.
Gomes, Terrence Antone	New Bedford, Mass.
Gossette, William Gregory	Philadelphia, Pa.
Graves, Beverly, III	Philadelphia, Pa.

Griffin, Philip Jon	Newfield, N. J.
Grimes, John William	Baltimore, Md.
Hall, Robert Lorenz	Trenton, N. J.
Halter, Edward Alphonse	Parkesburg, Pa.
Harmon, Michael Alexander	Pleasantville, N. J.
Henderson, Herbert Donald	Philadelphia, Pa.
Herr, David Frank	Strasburg, Pa.
High, Sandra Aloma	Coatesville, Pa.
Hill, Edward Charles	Cleveland, Ohio
Hum, Sandra Chang	Landenberg, Pa.
Ikpong, Inyang Asuquo Udo	Nigeria, W. A.
Iscandari, Naib Balogun	Nigeria, W. A.
Jackson, Charles Edison	Charlotte, N. C.
James, Walter Fitz Bernell, Jr.	Nashville, Tenn.
Jaunakais, Ivars	Kennett Square, Pa.
Jefferies, Eddie Harold	Duquesne, Pa.
Jibrell, Mohamed Jama	Somalia, E. A.
Johnson, Christopher Frederick	Philadelphia, Pa.
Johnson, Cornelius William	Portsmouth, Va.
Johnson, Robert Crowley, III	Philadelphia, Pa.
Johnson, William Allan	Southampton, Pa.
Jones, Daniel Webster	Conemaugh, Pa.
Jones, Randolph Leonard	Philadelphia, Pa.
Joyner, Ray Bernard	Winston-Salem, N. C.
Khamanza, Samuel Jossie	Kenya, E. A.
King, Frederick	Riegelwood, N. C.
King, William Robert	Brooklyn, N. Y.
Kovarcik, Donald Paul	Garfield, N. J.
Lach, Benjamin	Malden, Mass.
Lawson, Herman, Jr.	Harrisburg, Pa.
Lee, Stephen Andrew	Philadelphia, Pa.
Liabunya, Unwin Lloyds	Nyasaland, C. A.
Long, Grady, Jr.	Dayton, Ohio
Lyons, Thomas Michael	West Grove, Pa.
Mabatla, Vincent Khabano	Basutoland, S. A.
Meekins, Osa Franklin, Jr.	Palmyra, N. J.
Mills, Don Christian	Atlantic City, N. J.
Moffitt, Ronald James	Hempstead, N. Y.
Monteiro, Anthony Barry	Philadelphia, Pa.
Moonyane, Paul Khotso	Basutoland, S. A.
Moore, James Blake	Pittsburgh, Pa.
Ndu, Charles Okezie	Nigeria, W. A.
Njuguna, Henry Benson	Kenya, E. A.
Noznesky, David Harold	Kennett Square, Pa.
Nsien, Emmanuel James	Nigeria, W. A.
Ntabe, Joseph Tsepo	Basutoland, S. A.
Nwachuku, Levi Akalazu	Nigeria, W. A.
Okello, Anthony Sejere	Uganda, E. A.
Owens, David Laurence	New York, N. Y.
Pennell, Dale Engle	Nottingham, Pa.
Petrucci, James Joseph	Kennett Square, Pa.

Phillips, Collis Nimrod	Tabb, Va.
Pizzini, Stephen David	Landenberg, Pa.
Ragland, Robert Henry	Brooklyn, N. Y.
Rains, David Dean, Jr.	Philadelphia, Pa.
Ramalefane, Etienne Tseliso	Basutoland, Pa.
Redmond, Benjamin Stephen	Philadelphia, Pa.
Richards, Rodney Alphonso	St. Croix, V. I.
Richards, Terry Stephen	Hempstead, N. Y.
Richardson, Gerald Allen	New York, N. Y.
Robinson, Edward Huguely	Avondale, Pa.
Robinson, James Lewis	Philadelphia, Pa.
Savage, Charles Victor	Girardville, Pa.
Sayles, Eugene McKinley	Philadelphia, Pa.
Scott, Jerry Jerome	Hartford, Conn.
Sharpless, Jeffrey David	Kennett Square, Pa.
Sheffey, Joel Gordon	New York, N. Y.
Shittu, Zikroo Agboola	Nigeria, W. A.
Shortlidge, Howard Griffith	Oxford, Pa.
Shoun, Emma Crumley	Nottingham, Pa.
Simpson, Michael Edward	North Braddock, Pa.
Smart, Gregory Brevard	Philadelphia, Pa.
Stewart, James Arthur	Pittsburgh, Pa.
Still, David Murray	Philadelphia, Pa.
Swann, Vincent Bernard	New York, N. Y.
Taliaferro, Anthony Irving	Springfield, Mass.
Thomas, Milton Henderson	Duquesne, Pa.
Togar, John Wesch	Liberia, W. A.
Trammell, Annette Lorraine	Coatesville, Pa.
Turner, George Robert	Ardmore, Pa.
Vergos, William Chris	Oxford, Pa.
Vicks, Raymond Lee	Philadelphia, Pa.
Vlami, Athene	Elkton, Md.
Welburn, Ronald Garfield	Philadelphia, Pa.
West, Ronald	Philadelphia, Pa.
White, Carl David	Philadelphia, Pa.
Whitmire, Rodney Douglas	Philadelphia, Pa.
Williams, Alford John	Wayne, Pa.
Williams, Charles Sylvester	Philadelphia, Pa.
Williams, Douglas Meredith	St. Croix, V. I.
Williams, Leonard Ricks	Philadelphia, Pa.
Williams, Richard Arnold	Trenton, N. J.
Willis, Elwood Defond	Philadelphia, Pa.
Wilmore, Stephen Elliott	Philadelphia, Pa.
Wilson, Albert Lee	Brooklyn, N. Y.
Wilson, Warren Joseph	Claymont, Del.
Young, Thomas Bernard	Washington, D. C.
Young, William Thomas Gibbons	Parkesburg, Pa.

Sophomore Class

Ajagunna, Noah Adebola	Nigeria, W. A.
Albright, Robert Lewis	Philadelphia, Pa.
Anderson, Morris	Sharon Hill, Pa.
Anderson, Samuel Edward, III	Hempstead, N. Y.
Andriole, Paul Eric	West Grove, Pa.
Archie, Robert Louis, Jr.	Philadelphia, Pa.
Armstrong, Norman Alva	St. Croix, V. I.
Arraf, Rakad Wadi'h	Ma'ale Hagalil, Israel
Astrop, William Robert	Homestead, Pa.
Avery, Allen Madison	Washington, D. C.
Ayot, Henry Okello	Kenya, E. A.
Bailey, Herschel Leon	Cleveland, Ohio
Beal, Perry Weldon	Los Angeles, Calif.
Betters, Roy Richard	West Mifflin, Pa.
Bogle, Donald Eugene	Yeadon, Pa.
Bowers, June Olivia	Oxford, Pa.
Bowser, Emmanuel Norwood	Reading, Pa.
Boyle, Harvey Kay	Elkton, Md.
Brown, Lester James	New York, N. Y.
Buchanan, John Frederick	Claymont, Del.
Burns, Ronald Louis Burns	Brooklyn, N. Y.
Bynoe, Victor Cameron, Jr.	Boston, Mass.
Cahall, William Kenneth, Jr.	Wilmington, Del.
Chaney, Dewey Alan	Hackensack, N. J.
Chavious, Ronald Russell	Norfolk, Va.
Christy, Samuel Martin, Jr.	Brooklyn, N. Y.
Coan, Bobby James	Salisbury, N. C.
Collins, Florence Van Volkenburgh	Landenberg, Pa.
Connor, Alan Tyrone	Philadelphia, Pa.
Daniels, Audry Raiford	Columbia, S. C.
Dash, Leon DeCosta	Bronx, N. Y.
Davis, Kenneth Neal	Philadelphia, Pa.
Diggs, John Robert, Jr.	Pittsburgh, Pa.
Dixon, Andrew Lee	Philadelphia, Pa.
Dorsey, Joseph Roy, Jr.	New York, N. Y.
Duncan, James Guy	Dover, Pa.
Elijah, Abram	Philadelphia, Pa.
Esema, Ibok Dickson	Nigeria, W. A.
Etuk, Francis Archibong	Nigeria, W. A.
Farmer, Clarence, Jr.	Philadelphia, Pa.
Fields, Jerry Lynn	Wenonah, N. J.
Franklin, Oliver St. Clair, Jr.	Baltimore, Md.
Freeman, Harold Wadsworth	Philadelphia, Pa.
Garrett, Thomas Bibbins	Philadelphia, Pa.
Graham, William Theodore	Philadelphia, Pa.
Green, James Lee, Jr.	Portsmouth, Va.
Gunn, Thomas Philip	Philadelphia, Pa.
Hassan, Abdulhamid Mohamed	Somalia, E. A.
Hastings, Marvin Clyde	Oxford, Pa.

Henderson, John Ralph	Oxford, Pa.
Hill, William Edward	Bryn Mawr, Pa.
Hinton, Ronald Charles	Englewood, N. J.
Houck, Lawrence Clayton	West Grove, Pa.
Howard, Richard Elwin	Cherry Hill, N. J.
Hunter, Robert Lee	Brooklyn, N. Y.
Ireland, Roderick Louis	Philadelphia, Pa.
Jackson, Eddie, Jr.	Hartford, Conn.
Jama, Abdi Awaleh	Somalia, E. A.
James, Robert Arnold	Bergenfield, N. J.
Johnson, Anthony Oliver	Philadelphia, Pa.
Karioki, James Njoroge	Kenya, E. A.
King, Howard Renshaw	Philadelphia, Pa.
Kinnard, John Earl, Jr.	Philadelphia, Pa.
LaCorte, Benedict Ralph	Toughkenamon, Pa.
Leggett, William Oliver, Jr.	Trenton, N. J.
Lloyd, Albert Edward	Philadelphia, Pa.
Long, Arthur Hesiki	New York, N. Y.
McDaniels, Ernest, Jr.	Newport News, Va.
Mack, Theodus, III	Hartford, Conn.
Marshall, Warren Harvey, Jr.	Philadelphia, Pa.
Mattison, Clarence Edward	Atlanta, Ga.
Nelson, Clarence LaMont	Donora, Pa.
Noble, Howard Doyle, Jr.	Newport News, Va.
Okon, Gabriel Asuquo	Nigeria, W. A.
Perkins, Ralph Allen	Philadelphia, Pa.
Phillips, Elmore Chauncey, Jr.	Morton, Pa.
Polk, Silas William	Detroit, Mich.
Pollock, James Allen	Oxford, Pa.
Pope, Charles Edward	St. Albans, N. Y.
Powell, James Kenneth	Pittsburgh, Pa.
Queenan, Roy Arthur	Gwynedd Valley, Pa.
Raney, George Wesley, III	Newport News, Va.
Reed, Joseph	Bradenton, Fla.
Reynolds, Arnett Frank	Jersey City, N. J.
Rhodes, David Harry	Pittsburgh, Pa.
Roberts, Anthony Brenton	Somerset Bridge, Bermuda
Russell, Clayton Weidman	Philadelphia, Pa.
Sexton, Bennett Ray	York, Pa.
Singleton, Charles Clifford	Trenton, N. J.
Smith, Baxter Dennis	Philadelphia, Pa.
Smith, William Henry	Washington, D. C.
Sowers, Stephen Ray	Manchester, Pa.
Spain, Charles Henry, Jr.	Chester, Pa.
Stroud, Michael	Kelton, Pa.
Thomas, Vaughn Levi	New York, N. Y.
Umoren, Udo Ukpong	Nigeria, W. A.
Uyo, Ibok Nathaniel	Nigeria, W. A.
Van Blake, Claudia Gretchen	Lincoln University, Pa.
Walls, Charles Rodney	Philadelphia, Pa.

Ware, John Haines, IV	Oxford, Pa.
Washington, Burton Edward	Detroit, Mich.
Wiles, Spencer Hilton	New York, N. Y.
Williams, Edgar Lehman	Washington, D. C.
Williams, Warren Odell	Newark, N. J.
Wright, James William	Norristown, Pa.
Wyatt, Roger Millard	Erie, Pa.
Young, Jonathan	Landenberg, Pa.

Junior Class

Addison, Egbert Langston	Gary, Ind.
Amianda, Daniel Etisi	Kenya, E. A.
Anjili, Nyahera Laban	Kenya, E. A.
Austin, William Edward	Pittsburgh, Pa.
Black, Jonathan Royce	Philadelphia, Pa.
Bookhard, James Bland	Hempstead, N. Y.
Bowlsbey, William Joseph	Elkton, Md.
Breedlove, Charlotte Lee	Philadelphia, Pa.
Brown, Howard Hawkins	Lincoln University, Pa.
Brown, William Earl	Coatesville, Pa.
Burrs, Emma Louise	Philadelphia, Pa.
Butler, Ronald Ernest	Detroit, Mich.
Closson, David Lee	West Chester, Pa.
Coverdale, Charles Alfred	New York, N. Y.
Cumm, Jeffrey Lynn	Rising Sun, Md.
Dabney, Joseph Franklin	Ardmore, Pa.
Dickerson, Charles Edward	Duquesne, Pa.
Dickerson, Richard Earl	Oxford, Pa.
Edwards, Winston Owen	Philadelphia, Pa.
Esannason, Rubio Alexander	St. Croix, V. I.
Fennel, Johnie Lee	Philadelphia, Pa.
Fisher, Jerome Tyler	Philadelphia, Pa.
Fitzpatrick, Sanse Eugene	Atlanta, Ga.
Foster, DeWitt Talmadge	Camden, N. J.
Francis, Theodore Oval	Bronx, N. Y.
Frank, Michael Kenneth	Brooklyn, N. Y.
Frederick, Carl Reynold	Philadelphia, Pa.
Freeman, Charles	New York, N. Y.
Galbreith, Ronald Newkirk	Wilmington, N. C.
Gears, Judson Oscar	Lewisville, Pa.
Gibbons, William Ernest	Philadelphia, Pa.
Gichaba, Naftal Robert	Kenya, E. A.
Gilliam, Reginald Earl	New York, N. Y.
Godsey, Walter Thomas	Atlantic City, N. J.
Groves, Charles Lewis, Jr.	Reading, Pa.
Guyden, Thomas Earl	Fort Worth, Tex.
Harris, Nathan Walter	Philadelphia, Pa.
Harris, Oscar Lewis	Pittsburgh, Pa.
Hedge, Eugene Lacy	Beaver Falls, Pa.
Heron, Michael Francis	Oxford, Pa.
Herring, James Robert, Jr.	Pittsburgh, Pa.

Holliday, George Washington	Durham, N.C.
Holloway, Marvin	Albany, Ga.
Ige, Anthony Ola	Nigeria, W. A.
Inyang, Sylvester Edem Ekpang	Nigeria, W. A.
Jama, Ali Mohamed	Somalia, E. A.
Jarvis, Gary Wayne	New London, Pa.
Jefferson, Willard Madison	Pittsburgh, Pa.
Johnson, Wyatt Bernard	Atlantic City, N. J.
Jones, Veronica Louise	Coatesville, Pa.
Joseph, Charles Richard	Staten Island, N. Y.
Karanja, Benjamin Wallace	Kenya, E. A.
King, Spencer Thomas	Aliquippa, Pa.
Kuhn, Robert Alfred	Parkesburg, Pa.
Kyle, Gregory Pride	Durham, N. C.
Ledbetter, Freeman Hillyard, Jr.	Dunn, N. C.
Lee, William Norman King	Philadelphia, Pa.
Luster, James Raleigh	Roxbury, Mass.
McBride, Andrew Dennis	St. Albans, N. Y.
Malima, Omari Nyamanda	Tanganyika, E. A.
Michelson, Gary Abe	Kennett Square, Pa.
Montgomery, James Henry, Jr.	Fort Lauderdale, Fla.
Moorehead, Morris Darryl	St. Croix, V. I.
Morrison, Ronald William	Pittsburgh, Pa.
Mugenyi, Abraham Ebrahim	Uganda, E. A.
Murphy, Edward	Pittsburgh, Pa.
Parham, Michael Ernest	Dorchester, Mass.
Patience, Harold Lee	West Pittston, Pa.
Polk, James Arthur	Chadds Ford, Pa.
Reese, George Edward	Washington, Pa.
Ritchie, John Cleveland	Conowingo, Md.
Robinson, Gene Christophe	Philadelphia, Pa.
Ross, Edgar Del'Isle	St. Croix, V. I.
Sadler, Wilbert Lee	Brooklyn, N. Y.
Smith, Edwin Nichols	Los Angeles, Calif.
Stancil, Reginald Alfonso	Bristol, Pa.
Takeuchi, Kunihiko	Kyoto, Japan
Taylor, Phillip Arthel	Boston, Mass.
Thompson, Irvin Winfield, Jr.	Philadelphia, Pa.
Tilghman, Gerald Thomas	Philadelphia, Pa.
Turner, Ernest Vernon	Oklahoma City, Okla.
Walker, Robert Niles	Bronx, N. Y.
Wallace, William Percival	Chattanooga, Tenn.
Warfel, William Henry	Oxford, Pa.
Waters, David Joseph, Jr.	Harrisburg, Pa.
Weaver, Royal Samuel, III	Philadelphia, Pa.
White, Reginald Conrad	Philadelphia, Pa.
Williams, David Solomon	St. Croix, V. I.
Williams, Rodney David	Philadelphia, Pa.
Woods, James Dewitt	Washington, N. C.
Young, Henry Delaney	Norfolk, Va.

Senior Class

Abbiw, Henry Ebenezer	.....	Ghana, W. A.
Aikens, Louis Harold, Jr.	.....	Washington, D. C.
Akam, Peter James	.....	Nigeria, W. A.
Alexander, James Washington	.....	Tuskegee, Ala.
Ambrose, Otis Jimmy	.....	Atlanta, Ga.
Anderson, Rebaann	.....	Coatesville, Pa.
Anderson, Theodore Roosevelt	.....	East Elmhurst, N. Y.
Anthony, James Rupert	.....	Ardmore, Pa.
Azikiwe, Ernest Onuorah	.....	Nigeria, W. A.
Bachofer, Bruce Allen	.....	Newtown Square, Pa.
Bajkowski, Frank Anthony	.....	New Milford, Pa.
Borden, Joseph Price	.....	Bronx, N. Y.
Brown, Jeremy Alan	.....	Coatesville, Pa.
Bufford, John Henry	.....	New York, N. Y.
Bullock, Thackery Kingsley	.....	Treose, Pa.
Byabato, Emmanuel Mujuni	.....	Tanganyika, E. A.
Carroll, Alfred Benjamin, Jr.	.....	Philadelphia, Pa.
Carter, Leroy Herman, Jr.	.....	Coatesville, Pa.
Clarke, Carl Denzil	.....	Barbados, B. W. I.
Daniels, Joseph Wayne	.....	Philadelphia, Pa.
Dickinson, Vernon McDonald	.....	Antigua, B. W. I.
Douglas, John William	.....	Chester, Pa.
Draper, Sondra Elizabeth	.....	Lincoln University, Pa.
Edet, Anthony Paulinus	.....	Nigeria, W. A.
Edmead, William Franck	.....	Washington, D. C.
Evans, Richard Reedy	.....	Oxford, Pa.
Felton, Maceo Nesbit	.....	Syracuse, N. Y.
Floyd, Billy Herman	.....	Bethlehem, Pa.
Funna, James Sallu	.....	Sierra Leone, W. A.
Gaskins, James Horace	.....	Philadelphia, Pa.
Gray, Arthur Allen's-Moore	.....	Bronx, N. Y.
Graybeal, Hubert Morris	.....	Kelton, Pa.
Greene, John Randolph	.....	Detroit, Mich.
Grey, Lyndoors Wynn	.....	Plainfield, N. J.
Hamilton, Charles Reginald Ayodele	.....	Sierra Leone, W. A.
Harris, William Oscar	.....	Atlantic City, N. J.
Harrison, Roger Scott	.....	Lexington, Va.
Hickey, Andrew Edward, Jr.	.....	Oxford, Pa.
Hines, Joseph Leroy	.....	Plainfield, N. J.
Hoagland, Everett Henry, III	.....	Philadelphia, Pa.
Holland, Frank Bernard, Jr.	.....	Cheriton, Va.
Isang, Efiang Tom	.....	Nigeria, W. A.
Johnson, James Arthur	.....	Baltimore, Md.
Kometa, Albert Ronald	.....	Warminster, Pa.
Lecrone, Frank Norman, Jr.	.....	York, Pa.
Levin, Morris Alan	.....	Bala Cynwyd, Pa.
Levister, Harold Henry	.....	New York, N. Y.
Lopes, Salvatore Thomas	.....	Manchester, Conn.
Mandeng, David M.	.....	Cameroun, W. A.

Mitchell, Patricia Dade	Philadelphia, Pa.
Moran, Albert Oscar, Jr.	Oxford, Pa.
Morrison, Tommy Roy	Pittsburgh, Pa.
Moteles, Eugene Leonard	Philadelphia, Pa.
Nelson, Carlos I. H.	Jamaica, B. W. I.
Osborne, Robert	Lincoln University, Pa.
Patience, Lloyd Albert	West Pittston, Pa.
Pittman, Joffie Christopher	Philadelphia, Pa.
Pruitt, James Walter	New York, N.Y.
Ramsey, Gene Albion	Tuskegee, Ala.
Randolph, Larry Davis	Camden, N. J.
Riale, Robert Chester	Chadds Ford, Pa.
Ruley, Clifton, Jr.	Philadelphia, Pa.
Russell, Paul Golden, Jr.	Philadelphia, Pa.
St. Clair, Herbert Maynadier, III	Cambridge, Md.
Seray-Wurie, Ahmed Alhaji	Sierra Leone, W. A.
Sheen, Albert Augustus	St. Croix, V. I.
Shihundu, John Akhamwa	Kenya, E. A.
Simpkins, John Paul	Philadelphia, Pa.
Smith, Stanley Thomas	Hagerstown, Md.
Sumner, Harold R., Jr.	West Grove, Pa.
Sumner, William Albert	Oxford, Pa.
Terry, Arthur Harry	Jersey City, N. J.
Thompson, Noble Lee, Jr.	Chester, Pa.
Uchendu, Uma	Nigeria, W.A.
Umoren, Edet Akpan	Nigeria, W. A.
Vaughn, Homer Eugene	Nottingham, Pa.
Virgil, David Lefroy	Somerset Bridge, Bermuda
Walker, Herman	Philadelphia, Pa.
Walters, Dennis Lund	Oxford, Pa.
Warner, Paul Aston	St. Albans, N. Y.
Wheeler, Jean Galloway	Oxford, Pa.
White, David McKinley	Oxford, Pa.
Williams, Donald Allen	Jersey City, N. J.
Williams, Kenneth Beresford	New York, N. Y.
Woodard, Charles	Portsmouth, Va.
Young, Thelma Ellen	Wilmington, Del.

Unclassified

Bassey, Linus Adolf	Nigeria, W. A.
Belay, Leul	Gondar, Ethiopia
Byrd, Walter Sinclair	Philadelphia, Pa.
Callendar, Frederick	New York, N. Y.
Ettang, Dominic Akpan Udo	Nigeria, W. A.
Harclerode, Brady Roosevelt, Jr.	Everett, Pa.
Hart, Granville Spencer	Chatham, Pa.
Hillman, Gene Elston	Berwyn, Pa.
Hurt, Wesley Douglas, Jr.	Philadelphia, Pa.
Jefferson, Henry Lee, Jr.	Philadelphia, Pa.
Johnson, Carl Alexander	Hamden, Conn.
Laud-Hammond, Archibald Martei	Ghana, W.A.

Lopez, Hugh Henry, Jr.	Ozone Park, N. Y.
McMillan, Barry Albert	Huntingdon Valley, Pa.
Martin, George Alexander	New York, N. Y.
Masciantonio, John Nicholas	Oxford, Pa.
Misori, Nyawanga	Kenya, E. A.
Moore, Paul E. L.	Brooklyn, N. Y.
Moore, Thomas William	Philadelphia, Pa.
Ojimba, Cornelius Okorie	Nigeria, W. A.
Overby, Kenneth Eugene	Orange, N. J.
Pevar, Marc David	Kennett Square, Pa.
Prewitt, James Everett	Cleveland, Ohio
Price, John Wesley	Harrisburg, Pa.
Robinson, George Kubelik, Jr.	Charleston, S. C.
Rogers, William Cecil, Jr.	Philadelphia, Pa.
Salim, Ahmed Ali	Zanzibar, E. A.
Schultz, Willard Earl	Pottstown, Pa.
Shoemaker, Robert Charles	Atglen, Pa.
Shupe, Elmer Thomas	Chadds Ford, Pa.
Spence, Dwight Edward	North Hills, Pa.
Taylor, Anthony Walter	Hamilton, Bermuda
Washington, Fares	York, Pa.
Wilkinson, Rienzi Brock	Washington, D. C.
Woods, Clisson Maurice	Detroit, Mich.

Special

Bassett, Edward James	Avondale, Pa.
Brisson, Kathleen Virginia	West Grove, Pa.
Brown, Ralph Warren, Jr.	Kennett Square, Pa.
Cole, Marjorie Volin	Lincoln University, Pa.
Eyrich, Lorraine	Kennett Square, Pa.
Hartmaier, Irma	Oxford, Pa.
Jones, Dorothy	Lincoln University, Pa.
Kirk, Elizabeth	West Grove, Pa.
Mayer, Roland	Philadelphia, Pa.
Merriam, Dimberu H.	Lincoln University, Pa.
Milbourne, Dorothy	Lincoln University, Pa.
Moteles, Tilden	Philadelphia, Pa.
Putnam, Margaret	Cochranville, Pa.
Rizzotte, Peter Leonard	Kennett Square, Pa.
Shoop, Gerald Louis	West Grove, Pa.
Soliwoda, Wesley Mark	West Grove, Pa.
Svanoe, Thomas W.	West Grove, Pa.
Tsai, Phyllis	Lincoln University, Pa.

Unclassified Students under the Special African Program

Bassingthwaight	South West Africa
Bvunzawabaya, Patrick	Southern Rhodesia
Chiremba, Daniel	Mozambique
Danha, Claudius	Southern Rhodesia
Davidson, Peter	South Africa
De Lemos, Alvaro	Angola

De Oliveira, Edgar	Angola
Do Pombolot, Edward	Angola
Dos Santos, Manuel	Mozambique
Dube, Edward	South Africa
Gamanya, Zebbediah	Southern Rhodesia
Gumede, Joel	South Africa
Hlatshwayo, Arnold	South Africa
Hlatshwayo, Hector	South Africa
Jere, Zwangendaba	Northern Rhodesia
Kgame, Michael	South Africa
Lubota, Francisco	Angola
Mahoungou, Dieudonne	Angola
Mangazva, Synos	Southern Rhodesia
Matabane, William	South Africa
Matonda, Jean	Angola
Mazibuko, Tuli	South Africa
Mbaeva, Nathanael	South West Africa
Mgido, Herbert	Mozambique
Mingiedi, Faustin	Angola
Moleah, Alfred	South Africa
Mondlane, Alfredo	Mozambique
Murupa, Miguel	Mozambique
Mutizwa, Tasiana	Southern Rhodesia
Ndoro, Massango	Southern Rhodesia
Nensala, Carlos	Angola
Ngwenya, Benjamin	Mozambique
Ole Marima, Moses	Kenya
Pereira, Jacob	Angola
Segage, Salanalo	South Africa
Seshibe, Jerry	South Africa
Shakong, Samuel	South Africa
Sheepo, Aaron	South West Africa
Shikomba, Sakaria	South West Africa
Sithole, Godfrey	South Africa
Timothee, Miguel	Angola
Tschapoh, Antonio	Mozambique
Webba, Joao	Angola

Summary

Senior	86
Junior	91
Sophomore	107
Freshman	144
Unclassified	35
Special	18
Special African Program	43
Total	<hr/> 524

An analysis of the geographical distribution of the 524 students is as follows:

NEW ENGLAND STATES		Florida	2
Connecticut	5	Georgia	5
Massachusetts	9	North Carolina	10
	—	South Carolina	3
	14	Virginia	13
WEST SOUTH CENTRAL STATES			—
Oklahoma	1		40
Texas	1	UNITED STATES POSSESSIONS	
	—	Virgin Islands	8
	2		—
MIDDLE ATLANTIC STATES			8
Delaware	4	FOREIGN	
Maryland	11	Africa	104
New Jersey	30	Angola	11
New York	46	Basutoland	4
Pennsylvania	239	Cameroun	1
	—	Ethiopia	1
	330	Ghana	3
EAST NORTH CENTRAL STATES		Kenya	11
Michigan	5	Liberia	1
Ohio	5	Mozambique	7
	—	Nigeria	27
	10	Northern Rhodesia	1
CENTRAL STATES		Nyasaland	1
Indiana	1	Sierra Leone	3
	—	Somalia	5
	1	South Africa	13
EAST SOUTH CENTRAL STATES		South West Africa	4
Alabama	2	Southern Rhodesia	6
Tennessee	2	Tanganyika	2
	—	Uganda	2
	4	Zanzibar	1
FAR WESTERN STATES		Bermuda	4
California	2	British West Indies	3
	—	Israel	1
	2	Japan	1
SOUTH ATLANTIC STATES			—
District of Columbia	7		113

General Alumni Association

ADMINISTRATION

OFFICERS

Pres.—James A. Parker, D.D.S. 312 Shrewsbury Ave., Red Bank, N. J.
Vice Pres.—Oren W. Riley, D.D.S. 45 E. 135th St., New York 37, N. Y.
Exec. Sec.—Dr. H. Alfred Farrell Lincoln University, Lincoln University, Pa.
Asst. Sec.—Samuel R. Overton 3819 N. 16th St., Philadelphia, Pa.
Treas.—Wilfrid N. Mais, Esquire 200 W. 135th St., New York 30, N. Y.

TRUSTEES

Wayman R. Coston, M.D. 108 E. 8th St., Wilmington, Del.
Maceo Hubbard, Esquire 1830 16th St., N.W., Washington, D. C.
The Honorable Joseph Waddy 1804 Upshur St., N.E., Washington, D. C.

REGIONAL DIRECTORS

Carl C. Beckworth, M.D. 2514 Edison Ave., Detroit 6, Mich.
Jesse M. Burnett, M.D. 415 E. Sixth St., Fort Worth, Tex.
Henry Collins 140 Barclay St., Newark, N. J.
Sea H. Ferguson 2920 Capitol Ave., Indianapolis, Ind.
E. Lewis Ferrell, Esquire 4000 Illinois Ave., N.W., Washington, D. C.
George Goodman 2200 Madison Ave., Apt. 10F, New York, N. Y.
Raynold Gordneer 25 Freeman St., Bridgeport, Conn.
Henry Goss, D.D.S. 6 E. Garfield Blvd., Chicago, Ill.
Herbert Harris, Esquire 596 Edgecombe Ave., New York, N. Y.
W. A. C. Hughes, Esquire 343 Dolphin St., Baltimore, Md.
Robert W. Johnson, M.D. 1422 Pierce St., Lynchburg, Va.
T. T. Tildon, M.D. VA Hospital, Tuskegee, Ala.
John D. White, M.D. 64 Miami Ave., Columbus, O.

LOCAL CHAPTERS

ATLANTA, GA.

Pres.—Hubert Jackson 723 Waterford Rd., N.W., Atlanta 18, Ga.
 Sec.—Samuel H. Giles 138 Sunset Ave., N.E.

ATLANTIC CITY, N. J.

Pres.—Austin Martin 1905 Artie Ave.
 Sec.—J. Russell Lamkin 1213 Monroe Ave.

BALTIMORE, MD.

Pres.—Frank Veney 3301 Springdale Ave.
 Sec.—Dr. J. H. Taylor 2319 Lyndhurst Ave.

BROOKLYN

Sec.—Arthur V. Bates 801 Lincoln Pl., Brooklyn 16, N. Y.

CHARLESTON, W. V.

Pres.—Samuel J. Baskerville, D.D.S. 1628 Third Ave.
 Sec.—Lewis V. Barnes 1411 Lewis St.

CHESTER, PA.

Pres.—Leon J. Hill 1621 W. Third St.
 Sec.—John F. Driggins 1500 Lytle Ave.

CHICAGO, ILL.

Pres.—John M. Scott 7604 S. Cottage Grove Ave.
 Sec.—R. Esdras Turner, Esquire 7352 S. Prairie Ave.

DETROIT, MICH.

Pres.—H. F. Brown, Esquire 2357 Guardian Building
 Sec.—Peter P. Cobbs, Esquire 2424 Guardian Building

EASTERN LONG ISLAND

Pres.—William Smith, M.D. 511 Hopatcong Ave., W. Hempstead, N. Y.
 Sec.—Warren M. Hinton 179-22 Anderson Rd., Springfield Gardens, N. Y.

HARRISBURG, PA.

Pres.—Harvey J. Reynolds, D.D.S. 1725 N. 6th St.
 Sec.—William Robinson 1311 N. 14th St

HARTFORD, CONN.

Pres.—Jarvis H. Arms 41 Winchester St., Blue Hills Station
 Sec.—Rev. Robert Moody, D.D. 7 Pliny St.

INDIANAPOLIS, IND.

Pres.—Emory James 1306 Finley St.
 Sec.—Charles M. Hayes 2841 N. Capital Ave.

LOS ANGELES

Pres.—George C. Porter, M.D. 3700 Amesbury Rd.
 Sec.—Raymond Butler 1500 Fourth Ave.

NASHVILLE, TENN.

Pres.—Phillip Winkfield Director, Student Employment and Graduate
 Placement, Fisk University
 Sec.—Rev. William Simmons 304 22nd Ave.

NEW YORK, N. Y.

Pres.—William A. Miles, M.D. 1840 Richmond Rd., Staten Island 6, N. Y.
 Sec.—Herbert S. Harris, Jr., Esquire 596 Edgcombe Ave., New York, N. Y.

GENERAL ALUMNI ASSOCIATION 109

NORTH JERSEY

Pres.—James H. Black, D.D.S. 912 E. 2nd St., Plainfield, N. J.
Sec.—Walter D. Chambers 65 Seymour Ave., Newark, N. J.

PHILADELPHIA, PA.

Pres.—Frank T. Coleman 2127 Earp St.
Sec.—William L. Williams 5775 Kemble Ave.

PITTSBURGH, PA.

Pres.—James A. Dorsey, Jr. 409 E. Carter Dr., East Pittsburgh, Pa.
Sec.—James A. Stewart, M.D. 7647 Frankstown Ave.

SAVANNAH AREA

Pres.—Rev. William D. Wood 409 12th St., Cordele, Ga.
Sec.—J. William Jamerson, D.D.S. 458½ W. Broad St., Savannah, Ga.

TIDEWATER

Pres.—Edward Archer, M.D. 2703 Beachmont Ave., Norfolk 12, Va.
Sec.—James P. Archer 2711 Beachmont Ave., Norfolk 12, Va.

WASHINGTON

Pres.—Philip Harris, Esquire 3809 17th Pl., N.E.
Sec.—Alexander Leak 317 Adams St., N.E.

WEST VIRGINIA

Pres.—Maynard H. Law, M.D. 415 Gainsboro Ave., N.W., Roanoke, Va.
Sec.—George C. Law 235 Gilmer Ave., N.W., Roanoke, Va.

WILMINGTON, DEL.

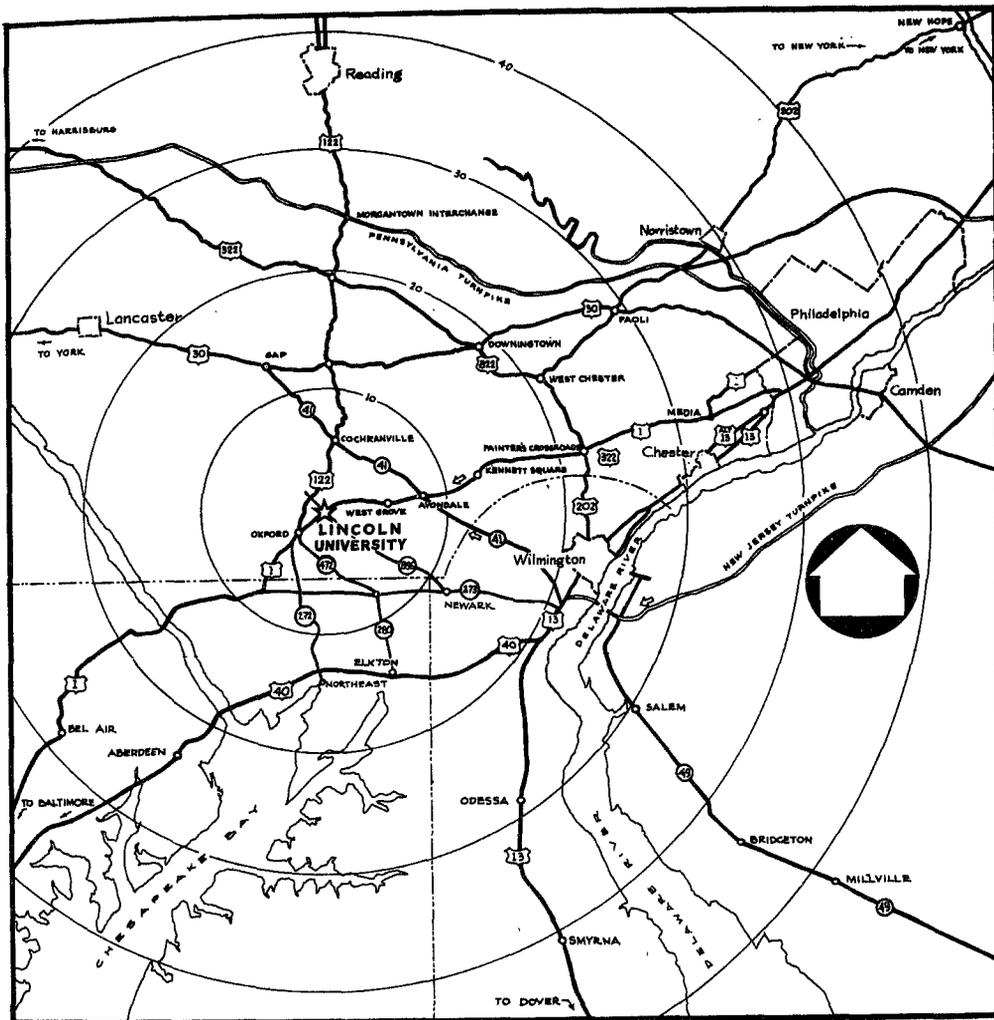
Pres.—Lenox L. Jackson 409 Morehouse Dr.
Sec.—Charles L. Simms 522 N. Clayton St.

1
2
3

4
5
6

Index

Absences	39	Health Program	27
Academic Regulations	35	History	70
Accreditation	7	History of Lincoln University	7
Administration	89	Honors Program	37
Admission	10	Late Registration	12
Advanced Placement	11	Latin	54
African Program	28	Linguistics	55
Alumni Association	107	Loans	16
Anthropology	73	Location	113
Art	57	Major Requirements	36
Athletic Program	25	Mathematics	66
Assembly	22	Miscellaneous Fees	13
Astronomy	65	Music	57
Biology	61	Objectives	5
Buildings	29	Payment of Expenses	14
Calendar, University	4	Philosophy	58
Chemistry	63	Physical Education	81
Classification of Students	39	Physics	65
Comprehensive Examinations	38	Political Science	72
Courses of Instruction	49	Pre-Engineering	44, 68
Degrees Conferred	92	Prizes	17
Directory of Study	95	Probation	40
Dismissals	40	Programs of Study	44
Dormitories	32	Psychology	76
Dormitory Regulations	42	Refunds	15
Economics	79	Religion	59
Education	75	Religious Opportunities	25
Election of Courses	35	Resources	9
English	51	Scholarships	16
Entrance Examinations	10	Sociology	73
Examinations	37	Spanish	56
Expenses	13	Speech and Dramatics	53
Faculty	85	Student Employment	17
Fraternalities	24	Student Activities	21
French	55	Terms and Vacations	37
General Business Courses	78	Transfer Students	11
General Information	21	Trustees	83
General Regulations	42	Visitors	43
German	56	Withdrawal	12
Glee Club	23		
Grading System	38		
Graduation Requirements	40		
Greek	54		



Lincoln University is located in open country on U.S. Highway 1. It is 45 miles southwest of Philadelphia and 55 miles northeast of Baltimore, between Oxford, and West Grove, Pa. It may be reached conveniently by the Trailways buses from Philadelphia and Baltimore, and the Short Line buses from West Chester and Wilmington.

The post office address is Lincoln University, Pennsylvania.

