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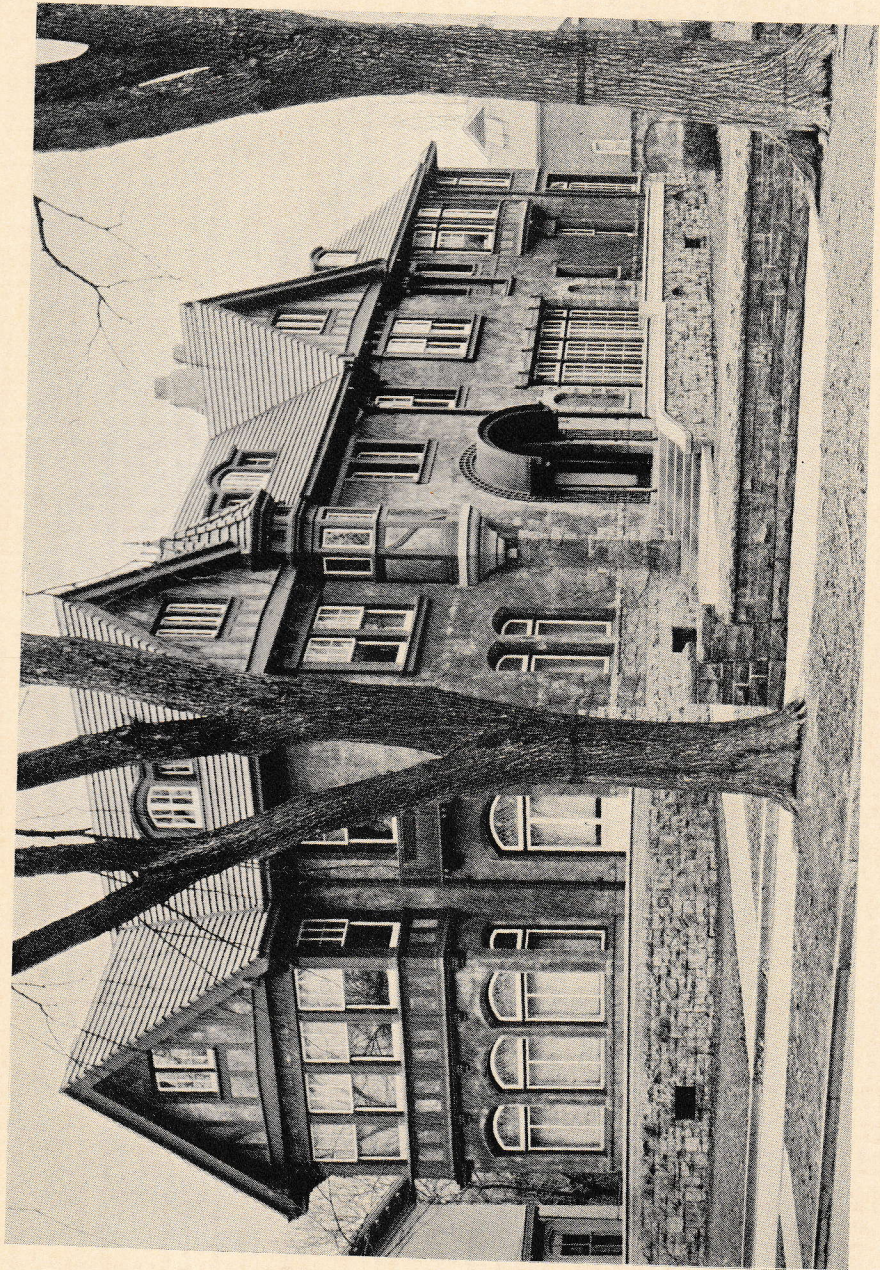
BUCKNELL UNIVERSITY

JUNIOR COLLEGE



BULLETIN
1937 - 1938

WILKES-BARRE, PENNSYLVANIA



CHASE HALL

BUCKNELL UNIVERSITY
JUNIOR COLLEGE
BULLETIN

1937-1938

Junior College Calendar

1937-1938

FIRST SEMESTER

September 15..... Wednesday—Freshman Week begins.
September 20..... Monday—Registration and enrolment of students.
September 21..... Tuesday, 8:00 A.M.—First semester begins.
October 2..... Saturday—Examinations for removal of conditions.
November 24..... Wednesday, 12:00 M—Thanksgiving recess begins.
November 29..... Monday, 8:00 A.M.—Thanksgiving recess ends.
December 17..... Friday, 6:00 P.M.—Christmas recess begins.
January 3..... Monday, 8:00 A.M.—Christmas recess ends.
February 5..... Saturday—Final examinations end.

SECOND SEMESTER

February 7..... Monday—Registration and enrolment of all students.
February 8..... Tuesday, 8:00 A.M.—Second semester begins.
April 8..... Friday, 6:00 P.M.—Spring recess begins.
April 18..... Monday, 8:00 A.M.—Spring recess ends.
April 23..... Saturday—Examinations for removal of conditions.
June 8..... Wednesday—Final examinations end.
June 9..... Thursday—Annual convocation.

BUCKNELL UNIVERSITY

JUNIOR COLLEGE

The Bucknell University at Lewisburg was chartered in 1846 as a combined academy and college. During the first four decades of its history girls were not admitted to the college department but since 1883 the college has been coeducational. During the intervening decades it has steadily extended its services and expanded its faculty, endowment, and equipment.

In 1932 the officials of Bucknell University were asked by a group of interested men to consider the possibility of opening a center of higher education in the Wyoming Valley. To secure a real appraisal of the need for such a center a survey of Pennsylvania colleges was made. This showed that this area was the only one of its size and population in Pennsylvania without a college. In consequence it was decided to establish a center that would serve the needs of the Wyoming Valley, and in the fall of 1933 the Bucknell University Junior College was opened in Wilkes-Barre.

During the first year classes were held in the third floor of the building located at 29-31 West Northampton Street. The unexpected number of students enrolling required an extension of space and equipment, and the following year the entire building was taken over by the college. Modern laboratories in physics, chemistry, and biology were installed and the program was expanded to coincide with that offered in the first two years of the University at Lewisburg. This year, the generosity of Rear-Admiral Harold Stark and Mrs. John N. Conyngham has made possible the location of the Junior College in more commodious and attractive buildings on South River Street. The buildings given by these donors overlook the river common and will be adapted to college use before the opening of the 1937 term.

The faculty has been selected with the definite intent of securing men and women of superior training, varied experience, and keen minds. The intimate contact of students with men and women of this type assures a broadening influence and increased perspective. It is, after all, this intimate contact of students and faculty that constitutes the strength of the small college.

Reports received in February from former students who are now enrolled in the junior and senior years of thirty-three four-year colleges indicate that most of the students are making records as good as or superior to those made during their two years at the Junior College. This indicates that the Junior College is establishing a sound foundation scholastically and shows that its students have learned to adapt themselves to varied conditions.

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- VORIS BLAINE HALL.....*Assistant Professor of Physics*
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- JOSEPH MILLER.....*Instructor in Psychology*
A. B., Prague; A. M., Columbia.
- NORMA CONSTANCE SANGIULIANO.....*Instructor in Dramatic Art*
A. B., B. O. L., A. M., Syracuse.

ADMISSION

REQUIREMENTS

All applicants for admission should secure from the Registrar application blanks, which should be filled out and returned to the Registrar as directed.

1. All applicants for admission to the College must be graduates of an approved four-year secondary school, or graduates of an approved senior (three-year) high school who have previously completed a three-year course in a standardized junior high school.

2. Applicants will be admitted to the College on the basis of individual qualifications to do college work as indicated by such criteria as high school grades, rank in their graduating class, principal's rating, intelligence as measured by a good intelligence test, character, maturity, and other pertinent factors.

SPECIAL REQUIREMENTS IN FOREIGN LANGUAGE, MATHEMATICS, AND ENGINEERING

3. A student presenting foreign language or mathematics for entrance, who wishes to continue this work in college, will be given placement tests in these fields. The results of these tests, combined with the high school record in the field, will determine the course the student will be allowed to enter. If the student is placed more than one semester below the course he would select normally, no college credit will be given for such course. Two years of foreign language in high school are considered the equivalent of one year in college.

Students who plan to enter an engineering course should have a good foundation in algebra, plane geometry, and solid geometry. Solid geometry is required of civil, electrical, and mechanical engineering students. It is elective for chemical engineering students. Students who plan to enter the Biology or the Commerce and Finance course should take at least one and one-half years of algebra and one year of plane geometry in high school.

ADVANCED STANDING

Applications for admission to advanced standing should be made to the Registrar of the Junior College. The applicant should also request the institution last attended to send to the Registrar of the Junior College a transcript of all work accepted for admission and of all work completed there, accompanied by a letter of honorable dismissal.

REGISTRATION AND ENROLMENT

Classes for the academic year will begin on Tuesday, September 21st, at 8:00 A.M. All Freshmen, however, will report at the College on Wednesday, September 15th, to begin their Freshman week activities. These activities consist of receptions, orientation lectures, consultations with faculty advisors, and the taking of placement examinations. During this week the new students will, with the assistance of faculty advisors, plan their schedule for the semester. Opportunity will also be offered for students to become acquainted with the ideals and program of the College.

All students will register on Monday, September 20th. Fees are due for the first term on this date. In the event full payment is not made a definite financial arrangement must be made with the registrar.

During his first semester a student may not register for more than eighteen semester hours. In each succeeding semester he may be allowed to register for one additional hour, beyond the normal requirement, for each nine quality credits earned during the preceding semester. The normal number of semester hours required in each semester of the course leading to any degree is indicated in the conspectus for that course.

COURSE REQUIREMENTS

REQUIREMENTS FOR CONVOCATION

Because the Junior College offers only two years of the work required for graduation from college no diploma is given. A special convocation is held for the finishing class, however, and rigid requirements for participation in this final assembly are maintained.

To participate in the convocation students taking work toward the degrees Bachelor of Arts, Bachelor of Science in Commerce and Finance, and Bachelor of Science in Education must have completed not less than fifty-six semester hours of work. Students working for the degrees Bachelor of Science in Biology, and Bachelor of Science in Chemical, Civil, Electrical, and Mechanical Engineering must have completed not less than sixty-two semester hours of work.

In addition to these requirements it is necessary that every participating student shall have earned at least forty quality credits. These are earned as follows: Three quality credits are given for each semester hour graded A, two for each hour graded B, and one for each hour graded C.

TRANSFER OF CREDIT

Students meeting the requirements for participation in the convocation are eligible to continue their work in the junior and senior classes of Bucknell University at Lewisburg. The curricula of all courses leading to degrees, except those in Engineering, are largely the same, and are designed to give through survey and other courses the foundations of a broad cultural education. However, electives in each semester of the freshman and sophomore years allow the student to begin work at once in the major field that he will pursue during the junior and senior years at Lewisburg.

Students who plan to continue at a four-year institution other than Bucknell may arrange their courses to meet, as nearly as possible, the degree requirements of the other institution. The registrar and faculty advisors should be consulted when such special programs are arranged. Each student intending to transfer to another college at the end of the second year should procure a catalogue of this college, and should make arrangements for the transfer of credits. The registrar of the Junior College will always assist in making these arrangements, and will correspond with the proper officer of the other institution.

BACHELOR OF ARTS

The general purpose of the Bachelor of Arts course is to give the essentials of a liberal education. This course combines a broad cultural training with a sound preparation for the specialized work of the professional schools such as the graduate school, law school, medical school, theological school, and business school; by proper selection of courses the student may also prepare for further specialized work in many other fields.

Although the liberal arts course is primarily concerned in serving this broad cultural purpose, there are many vocations such as secondary school teaching and administration, government service, social work, journalism, and accounting, for which a liberal arts course may afford a direct preparation.

Students who wish to major in Music in the last two years at Lewisburg may take practical work at the Junior College. For one weekly lesson in voice or instrument, with at least five hours each week of practice, one semester hour of college credit is given each semester.

FRESHMAN YEAR			
FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
English 103 ¹	4	English 104 ¹	4
History 99	3	History 100	3
Foreign Language ²	3	Foreign Language ²	3
Electives	5 or 6	Electives	5 or 6
Physical Education 101	1	Physical Education 102	1
	—		—
	16		16
SOPHOMORE YEAR			
Physical Science 100 ³	3	Biological Science 100 ³	3
Sociology 100 or Psychology 100	3	Sociology 100 or Psychology 100	3
Electives	9	Electives	9
Physical Education 103	1	Physical Education 104	1
	—		—
	16		16

Required in Freshman or Sophomore Year: Biology 100.

Required in any of the four years: Economics 103, Political Science 100
(or 103 and 205), Religion 100, Art 100, Music 100, Philosophy 100.

¹ English 103-4 is a requirement in the freshman or sophomore year. Students who need additional work in English composition, as shown by the placement test in English, take a semester or a year of composition during the freshman year and take World Literature in the sophomore year.

² A reading knowledge* of a foreign language (French, German, Greek, Latin, or Spanish) is required for graduation from the University at Lewisburg. This requirement may be fulfilled fully or in part at the Junior College by passing the reading knowledge test, or it will be considered as having been met when a student who begins a foreign language in college completes twelve semester hours of the language with an average grade of at least C, or fifteen semester hours with any passing grade; or when a student who has taken two years or more of a foreign language in high school completes nine semester hours with an average grade of at least C, or twelve semester hours with any passing grade. A student who begins a foreign language in college must continue it for at least two years to receive credit toward a degree, unless he meets the requirement of a reading knowledge of the language in less time.

³ Not required of students who take a 10-hour course in a laboratory science.

* By *reading knowledge* is meant the attainment, on an objective test of such reading knowledge, of a score equal to the average score made by students at the end of three years of work in the language in high school and one year in college (roughly equivalent to that attained by a student after twelve semester hours of college work in the language), together with a corresponding ability in translation.

BACHELOR OF SCIENCE IN BIOLOGY

The Biology Course is intended to prepare the student to enter the various fields dealing with life from the viewpoint of modern biological science. One of the functions of the Biology Course is that of affording pre-medical training in a four-year program, the first two of which are offered at Wilkes-Barre. In harmony with the general feeling among the heads of our medical schools as to what pre-medical work should comprise, the course as adapted for pre-medical students is arranged to combine so far as possible a broad cultural background with the necessary pre-professional training. Other functions of the Biology Course are to prepare students to enter laboratories as technicians and to work in the field of public health, as well as to teach or to enter graduate schools for advanced work.

The two-year program outlined can be adapted also to meet the entrance requirements for the work in dentistry or osteopathy.

FRESHMAN YEAR

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
English 101	3	English 102 ¹	3
History 99	3	History 100	3
Mathematics 107	3	Mathematics 202 or	4
Mathematics 109	2 or 3	Mathematics 116	3
Chemistry 113	4	Chemistry 114	4
Elective	1 or 2	Elective	3 or 4
Physical Education 101	1	Physical Education 102	1
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	18		18

SOPHOMORE YEAR

English 103	4	English 104	4
Sociology 100 or		Sociology 100 or	
Psychology 100 ²	3	Psychology 100 ²	3
Chemistry 115	4	Chemistry 203	4
Biology 101	5	Biology 102	5
Elective	1	Physical Education 104	1
Physical Education 103	1		
	<hr style="width: 50px; margin: 0 auto;"/>		<hr style="width: 50px; margin: 0 auto;"/>
	19		17

Required in Freshman or Sophomore Year: Biology 100.

Required in any of the four years: Economics 103, Political Science 100 (or 103 and 205), Religion 100, Art 100, Music 100, Philosophy 100, a reading knowledge³ of scientific German.

¹ Not required of students who show proficiency in English composition. Such students may substitute English 201.

² May be postponed to the junior and senior years.

³ The reading knowledge requirement may be satisfied by taking the reading knowledge test, or it will be considered as having been met when a student who begins a foreign language in college completes nine semester hours of German with an average grade of at least C, or twelve semester hours with any passing grade, plus four semester hours of Scientific German; or when a student who has taken two years or more of German in high school completes six semester hours of German with an average grade of at least C, or nine semester hours with any passing grade, plus four semester hours of Scientific German.

For students who take French, the requirement is the same as for the Bachelor of Arts degree.

BACHELOR OF SCIENCE IN COMMERCE AND FINANCE

The purpose of the work in the Commerce and Finance department is to prepare students for their future life's work and at the same time to give them a well rounded education. With this end in view, the work has been so arranged that the student devotes approximately half his time to courses of a general academic nature. Students who desire to enter the world of business may prepare for work in accounting, banking, real estate, brokerage, insurance, general business, selling, advertising, and similar fields.

There is a growing demand for persons trained to serve as secretaries to men in important positions in the business and professional world, a position more than that of a mere clerk or stenographer.

The Secretarial Course provides training in stenography, typewriting, office practice, correspondence work, filing, record keeping, making reports, meeting people, conducting an office, and duties of a similar nature.

For those who desire to prepare for teaching commercial and business subjects, a complete four-year course of training is offered, the first two at Wilkes-Barre. This work has been approved for certification of teachers by Pennsylvania, New York, New Jersey, Delaware, Maryland and Ohio.

I. GENERAL COURSE

FIRST SEMESTER		FRESHMAN YEAR		SECOND SEMESTER	
	S. H.		S. H.		S. H.
Economics 102	3	Biological Science 100	3	Economics 110	3
English 101	3	Economics 116	3	Mathematics 116	3
Mathematics 115	3	Elective	3	Physical Education 102	1
Physical Science 100	3				
Elective	3				
Physical Education 101	1				
	16				16
SOPHOMORE YEAR					
Economics 103	3	Economics 104 ¹	3		
Economics 105	3	Economics 106	3		
English 103	4	English 104	4		
Electives	5	Electives	5		
Physical Education 103	1	Physical Education 104	1		
	16				16

Electives: History 99 and 100, Sociology 100, Economics 104, Religion 100, Biology 100, Psychology 100, Foreign Language, Music 100, Political Science 100 (or 103 and 205).

¹ Recommended. An elective may be substituted.

II. SECRETARIAL COURSE²

FRESHMAN YEAR			
FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Economics 102	3	Biological Science 100	3
English 101	3	Economics 110	3
Mathematics 115	3	Economics 116	3
Physical Science 100	3	Mathematics 116	3
Elective	3	Elective	3
Physical Education 101	1	Physical Education 102	1
	<hr/>		<hr/>
	16		16

SOPHOMORE YEAR			
Economics 105	3	Economics 106	3
Economics 135, Shorthand, Typewriting ³	4	Economics 136, Shorthand, Typewriting ³	4
English 103	4	English 104	4
Elective	4	Elective	4
Physical Education 103	1	Physical Education 104	1
	<hr/>		<hr/>
	16		16

III. COMMERCIAL EDUCATION COURSE⁴

FRESHMAN YEAR			
FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Economics 102	3	Biological Science 100	3
Economics 123	3	Economics 110	3
English 101	3	Economics 116	3
Physical Science 100	3	Economics 124	3
Elective	3	Elective	3
Physical Education 101	1	Physical Education 102	1
	<hr/>		<hr/>
	16		16

SOPHOMORE YEAR			
Economics 103	3	Economics 104	3
Economics 105	3	Economics 106	3
Economics 135, Shorthand- Typewriting ²	4	Economics 136, Shorthand- Typewriting ²	4
English 103	4	English 104	4
Physical Education 103	1	Physical Education 104	1
	<hr/>		<hr/>
	15		15

² No college credit for Shorthand-Typewriting will be given toward the degree of Bachelor of Science in Commerce and Finance unless two full years in these courses have been completed. Shorthand alone or Typewriting alone may be taken by any student, but without college credit. Only the second year of work in Stenography-Typewriting (a maximum of eight semester hours) may be credited toward the degree of Bachelor of Arts.

³ Ten class hours.

⁴ Approved for state certification by Pennsylvania and nearby states.

BACHELOR OF SCIENCE IN EDUCATION

The curriculum leading to the degree of Bachelor of Science in Education is particularly adapted to the preparation of teachers. It provides a strong academic background and adequate preparation in teaching subjects. The curriculum prepares a student for graduate study leading to the Master of Arts or Master of Science in Education. Of particular interest to persons looking forward to administrative work is the fact that the State Department of Public Instruction of Pennsylvania fully accredits courses at Bucknell leading to administrative and supervisory certificates.

The undergraduate curriculum in education prepares particularly for high school teaching positions, although a specialized certificate may be earned for the teacher of guidance. The course furnishes also basic preparation for persons desiring to take graduate training in such fields as personnel work and administrative and supervisory fields.

FIRST SEMESTER		FRESHMAN YEAR		SECOND SEMESTER	
	S. H.		S. H.		S. H.
English 101 ¹	3	Biological Science 100 ²	3	History 100 ³	3
History 99	3	History 102 ¹	3	Electives	3
Physical Science 100 ²	3	Physical Education 102	9		1
Electives	9		1		16
Physical Education 101	1		16		
	16				
		SOPHOMORE YEAR			
English 103	4	English 104	4		
Sociology 100 or Psychology 100	3	Sociology 100 or Psychology 100	3		
Electives	8	Electives	8		
Physical Education 103	1	Physical Education 104	1		
	16		16		

Required in the Freshman or Sophomore Year: Biology 100.

Required in any of the four years: Economics 103,⁴ Political Science 100,⁴ Art 100, Music 100.

Candidates for this degree who are preparing to teach will complete two 24-hour sequences in teaching subjects, or one 24-hour and two 18-hour sequences; those preparing for work in administration or supervision should take eighteen hours in each of two teaching subjects and twelve additional hours in appropriate education subjects.

Students in this course must also complete twenty-one semester hours of work in education plus English 201, Advanced Exposition, and may be required to take English 231, Oral Art of the Teacher.

¹ Required of students who need additional work in composition. Those who do not may elect English 201 the second semester.

² Not required of students who take a 10-hour course in a laboratory science.

³ Students who are preparing to teach social science will take History 103 and 104 instead of History 100.

⁴ Not required of students who are preparing to teach two foreign languages or one foreign language and mathematics, or of students who take Political Science 103 and 205.

BACHELOR OF SCIENCE IN CHEMICAL, CIVIL, ELECTRICAL AND MECHANICAL ENGINEERING

The prime function of an engineer is to plan and direct technological projects. Some of the types of work which the different fields offer to graduating students are given below.

CHEMICAL ENGINEERING

Chemical engineers are trained to develop, equip and operate those plants whose manufacturing operations and processes are based on the applications of chemistry. Types of work in which students are employed include analytical and research work, plant development and operation, sales, general engineering work, and executive control.

CIVIL ENGINEERING

The civil engineer deals with problems in structural, highway, railroad, hydraulic and sanitary engineering, together with surveying and geodesy. In these fields his services are required in the design, construction and maintenance of fixed structures such as bridges, tunnels, elevated railways, and the structural members of buildings; in the design of other engineering projects such as canal and harbor improvements; in the development and control of water resources; and in the location and construction of railroads, highways and pavements.

ELECTRICAL ENGINEERING

The electrical engineer's services are required for the generation of electrical power in steam or water power plants, for its distribution, and for its use in driving the machinery in mills, factories or mines; for the driving of electric railways; for electro-plating and chemical processing; for heating; for lighting streets and homes; and for all the electrical devices used in the home. Communication by telegraph, telephone or radio are additional fields controlled by him. He may design, construct, test or market electrical apparatus.

MECHANICAL ENGINEERING

The mechanical engineer deals with the development of mechanical power and its applications to the industries through machinery, and has opportunities in combustion, heating and ventilating, marine, refrigerating, automotive and aeronautical engineering. He is responsible for the design, construction and maintenance of the machinery used in the arts of manufacture and transportation.

FRESHMAN YEAR

(Common to All Engineering Courses)

FIRST SEMESTER	S. H.	SECOND SEMESTER	S. H.
Chemistry 113	4	Chemistry 114	4
Engineering 100	1	Engineering 102	3
Engineering 101	2	English 102 ¹	3
English 101	3	Mathematics 202	4
English 131	2	Elective: History 108, Political Science 103, or Sociology 100	3
Mathematics 107	3	Physical Education 102	1
Mathematics 109 ²	2		
Physical Education 101	1		
	—		18
	18		

SOPHOMORE YEAR

CHEMICAL ENGINEERING

Chemistry 115	4	Chemistry 203	4
Economics 103	3	Mathematics 206	4
Mathematics 205	4	Mechanical Engineering 209	4
Physics 115	5	Physics 116	5
Physical Education 103	1	Physical Education 104	1
	—		18
	17		

CIVIL ENGINEERING

Civil Engineering 103	3	Civil Engineering 214	4
Economics 103	3	Mathematics 206	4
Engineering 103	2	Mechanical Engineering 209	4
Mathematics 205	4	Physics 116	5
Physics 115	5	Physical Education 104	1
Physical Education 103	1		—
	18		18

ELECTRICAL ENGINEERING

Civil Engineering 103	3	Mathematics 206	4
Engineering 103	2	Mechanical Engineering 106	3
Mathematics 205	4	Mechanical Engineering 209	4
Mechanical Engineering 205	3	Physics 116	5
Physics 115	5	Physical Education 104	1
Physical Education 103	1		—
	18		17

MECHANICAL ENGINEERING

Civil Engineering 103	3	Mathematics 206	4
Engineering 103	2	Mechanical Engineering 102	1
Mathematics 205	4	Mechanical Engineering 106	3
Mechanical Engineering 205	3	Mechanical Engineering 209	4
Physics 115	5	Physics 116	5
Physical Education 103	1	Physical Education 104	1
	—		18
	18		

¹ Students proficient in English composition may elect English 201.

² Students who are not proficient in Trigonometry will take a three semester hour course.

IDENTIFICATION OF COURSES

A brief description of the courses offered at the Junior College follows; a more detailed description appears in the catalogue of Bucknell University. Titles and numbers are the same.

The University reserves the right to cancel any course for which fewer than six students are registered.

ART

141 and 142. Play Production. Three hours each semester.

BIOLOGY

100. Personal and School Hygiene. Two hours.

101 and 102. Zoology. Five hours each semester.

BIOLOGICAL SCIENCE

100. Survey. Three hours.

CHEMISTRY

113 and 114. Inorganic Chemistry. Four hours each semester.

115. Qualitative Analysis. Four hours.

203. Quantitative Analysis. Four hours.

209 and 210. Organic Chemistry. Four hours each semester.

CIVIL ENGINEERING

103. Plane and Topographical Surveying. Three hours.

*214. Railroad Curves and Earthwork. Four hours.

ECONOMICS

102. Economic History of the United States. Three hours.

103. Principles of Economics. Three hours.

104. Economic Problems. Three hours.

105 and 106. Elementary Accounting. Three hours each semester.

110. Economic Geography. Three hours.

116. Business Correspondence and Reports. Three hours.

123 and 124. Business Computations. Three hours each semester.

135 and 136. Shorthand-Typewriting. Ten hours, with four hours' credit, each semester.

223. Labor Problems. Three hours.

ENGINEERING

100. Engineering Problems. One hour.

101 and 102. Engineering Drawing. Two hours, first semester; three hours, second semester.

103. Geometry of Engineering Drawing. Two hours.

ENGLISH

101 and 102. Composition. Three hours each semester.

103 and 104. World Literature. Four hours each semester.

131. Public Speaking. Two hours.

201. Advanced Exposition. Three hours.

253. Chaucer. Three hours.
257. Shakespeare. Three hours.

FRENCH

- 101 and 102. Elementary. Three hours each semester.
103 and 104. Intermediate. Three hours each semester.
*201 and 202. Romantic Period. Three hours each semester.
301 and 302. Classic Drama and Seventeenth Century Authors. Three hours each semester.

GERMAN

- 101 and 102. Elementary. Three hours each semester.
103 and 104. Intermediate. Three hours each semester.
201 and 202. The Classical Period. Three hours each semester.
*251 and 252. Nineteenth Century Literature. Three hours each semester.

HISTORY

- 99 and 100. History of Western Man. Three hours each semester.
*101 and 102. Medieval Europe; Modern Europe to 1815. Three hours each semester.
103 and 104. Nineteenth and twentieth Century Europe. Three hours each semester.
107. American History to 1865. Three hours.
108. Recent American History. Three hours.

MATHEMATICS

107. College Algebra. Three hours.
109. Plane Trigonometry. Two hours or three hours.
115 and 116. Commercial Algebra and Statistics. Three hours each semester.
202. Analytic Geometry. Four hours.
205 and 206. Differential and Integral Calculus. Four hours each semester.

MECHANICAL ENGINEERING

102. Electric Arc and Acetylene Welding. One hour.
106. Industrial Management. Three hours.
205. Elements of Mechanisms. Three hours.
209. Engineering Mechanics. Four hours.

PHILOSOPHY

100. Introduction. Three hours.

PHYSICAL EDUCATION

- 101 and 102. Theory. Freshman year. One hour each semester.
103 and 104. Theory. Sophomore year. One hour each semester.

PHYSICAL SCIENCE

100. Survey (Lecture and conference). Three hours.

PHYSICS

115 and 116. Introductory course. Five hours each semester.

POLITICAL SCIENCE

103. American Government. Three hours.

205. Comparative Government. Three hours.

PSYCHOLOGY

100. Introduction. Three hours.

RELIGION

100. History of Religions. Two hours.

SOCIOLOGY

100. Modern Social Institutions. Three hours.

107. Modern City. Three hours.

110. Social Pathology. Three hours.

203. Criminology. Three hours.

* Not offered in 1937-38.

GENERAL REGULATIONS

ATTENDANCE

Regular attendance is required upon all work in a student's course of study and at the assembly exercises. Absences, in excess of a limited number, necessarily affect the class standing of a student. Every student who withdraws from the Junior College should notify the Director and the Registrar at the time of withdrawal.

STANDING

To remain in college, a student must

1. At the end of the freshman year either have an average of at least 60%, or have earned at least twelve quality credits during that year.

2. At the end of the second year either have an average of at least 70% in one of the first two years' work, or have earned a minimum of forty quality credits.

EXPENSES

ESTIMATED ANNUAL EXPENSES

	Low	Medium	High
Tuition (\$10.00 a semester hour) ¹	\$300.00	\$340.00	\$340.00
Student Activities Fee.....	10.00	10.00	10.00
Books	20.00	30.00	40.00
	<u>\$330.00</u>	<u>\$380.00</u>	<u>\$390.00</u>

For students working toward the degree Bachelor of Arts, Bachelor of Science in Commerce and Finance, or Bachelor of Science in Education, the normal schedule is 15 semester hours per semester, 30 hours a year.....\$300.00²

¹ No tuition charge is made for Physical Education.
² If a student in one of these curricula elects a laboratory science, the laboratory fee listed for that course is additional.

For students working toward the degree Bachelor of Science in Biology, or Bachelor of Science in Chemical Engineering, Civil Engineering, Electrical Engineering, or Mechanical Engineering, the normal schedule is 17 semester hours per semester, 34 hours a year 340.00³

The student budget is intended to cover charges for various student activities and organizations, and at the request of the students has been included in the college fee.

No attempt has been made to estimate a student's personal expenditures, or the cost of transportation. Many students bring their lunches. Those who do not can secure luncheon at reasonable prices in nearby restaurants.

LABORATORY FEES

Biology 101, 102.....	\$10.00
Chemistry 113, 114.....	8.00
Chemistry 115, 203.....	10.00
Chemistry 209, 210.....	15.00
Civil Engineering 103, 214.....	5.00
Economics 105, 106.....	1.00
Economics 135, 136.....	20.00
Mathematics 116.....	3.00
Mechanical Engineering 102.....	3.00

MUSIC, PRACTICAL

	One Half-hour Lesson a Week	Two Half-hour Lessons a Week
Private Lessons in Piano, Organ, Violin, Voice, Orchestral Instruments.....	\$25.00 ⁴	\$40.00 ⁴
Physics 115, 116.....		\$5.00
Shorthand alone.....		35.00
Typewriting alone.....		25.00

BREAKAGE DEPOSITS

Chemistry 113, 114, 115, 203.....	\$10.00
Chemistry 209, 210.....	15.00

SPECIAL FEES

Changed registration (first week).....	\$1.00
Changed registration (after first week).....	3.00
Late enrollment.....	5.00
Late registration.....	3.00
Special examination.....	3.00
Transcript of record (after first copy).....	1.00

³ Laboratory fees are not charged for subjects normally taken in those courses. The breakage deposits for Chemistry 113-114 (Freshman year), and for Chemistry 115, 203, or Chemistry 209-210 (Sophomore year), are charged.

⁴ For part-time or special college students, the corresponding charge is \$35 and \$50.

PAYMENTS

Every student, graduate or undergraduate, must pay the semester's bill in full, or make satisfactory arrangements with the Registrar for its payment, in order to be admitted to any class for the semester. By special arrangement the college charges may be met in three instalments each semester. A small service fee is added to the bill.

No student shall be enrolled or receive a transcript of his record until all college accounts have been paid, or satisfactory arrangements for payment have been made.

WITHDRAWALS AND REFUNDS

Scholarships will not be allowed on bills computed for a fraction of a semester. The date on which the Director or the Registrar approves the student's withdrawal card is considered the official date of withdrawal. In the case of minors, the approval of parent or guardian is required before any refund is made. No refund will be made of the student budget fee or of laboratory fees for courses dropped after the second week of the semester, nor for extra hours dropped after the second week of the semester. No refund will be made to any student who is required to withdraw on account of misconduct.

Refund of tuition will be made to students who withdraw voluntarily from the University while in good standing according to the following schedule:

On or before October 15, or March 1, a refund of two-thirds of the tuition.

On or before November 5, or March 20, a refund of one-half of the tuition.

On or before December 10, or May 1, a refund of one-fourth of the tuition.

After December 10, or May 1, no refund will be made.

PRIZES

The Junior College students are admitted to competition for all prizes offered by Bucknell University to members of the freshman and sophomore classes.

Freshman prizes are awarded for the highest standings in Latin and mathematics, for excellence in declamation, for the greatest proficiency in the elements of English at the beginning of the year, and for the best essay.

Sophomore prizes are awarded for excellence in public speaking, for excellence in integral calculus, and for the best essay.

In 1936 the Professor George Morris Philips Prize was awarded to James John Fritz.

In 1936 the Pi Mu Epsilon Scholarship Fraternity Prize was awarded to Charles Edward Harrison.

SCHOLARSHIPS AND ASSISTANCE

To aid outstanding students who may be in need of financial assistance, every effort is being made to establish adequate scholarship funds.

BUCKNELL COMPETITIVE SCHOLARSHIPS

Bucknell University has established three annual scholarships, the stipend of which is \$250.00 a year. Each scholarship is tenable for four consecutive years, subject to the maintenance of high academic standing. These scholarships will be awarded at the beginning of each year to the three members of the freshman class who achieve the highest standing in competitive examinations to be given by the University. The 1937 examinations are held at Lewisburg on May 1. Application to the Registrar at Lewisburg must be made in advance of the examination. One of these scholarships is available for use for two years at the Junior College.

JUNIOR COLLEGE COMPETITIVE SCHOLARSHIPS

Other competitive scholarships ranging from \$25.00 to \$100.00 annually are made available through the generosity of the members of the Junior College Advisory Committees. The time of examination for these scholarships will be announced in the spring. Applications should be made as early as possible.

GOVERNMENT ASSISTANCE

In 1936-1937 forty-two students received financial assistance from the National Youth Administration, which operates under the auspices of the Federal Government. The minimum grant was \$7.50 a month, the maximum \$15.00. Students earned the assistance by doing clerical and laboratory work for the college and local social agencies. At this time the future of the funds is uncertain.

MINISTERS' AND MISSIONARIES' CHILDREN SCHOLARSHIPS

The Ministers' and Missionaries' Children Scholarships of \$100.00 each (annually) are established upon the general foundation for the benefit of the children of ministers and missionaries in active service without distinction as to religious denomination. These scholarships are available to Junior College students.

APPLICATIONS FOR SCHOLARSHIPS

Applications for all scholarships, other than the University competitive scholarships, may be made through the Registrar of the Junior College.

ORGANIZED STUDENT ACTIVITIES

The scholastic program of a college is not sufficiently broad nor flexible to provide the breadth of experience essential to a broad education. Education is not concerned with the mind alone, but also with development of ideals and character that will assure the proper use of those powers that are developed. To provide this breadth of experience the student body and faculty are constantly cooperating for the development of a finer program of activities. Superficially these activities all contribute to personality and are intended to develop the poise and judgment which are the real marks of an educated person. Fundamentally they encourage initiative, good judgment, and a sense of responsibility.

STUDENT GOVERNMENT

A representative student council plans the social programs, budgets the funds collected for student activities, and endeavors to establish desirable social standards for the student body.

DRAMATICS

A dramatic group under the direction of Miss Norma Sangiuliano presents a number of one-act plays and two major productions. Students interested in dramatics are given training in all arts of the theater,—acting, make-up, scenery building, costuming, and stage lighting.

Students wishing to give serious attention to dramatics may receive special instruction and credit by enrolling in Art 141 and 142.

CHORUS

A mixed chorus gives several recitals during the year and meets for training three times a week. Students participating in choral work will receive one credit each year provided they meet the requirements set by the College. This chorus is directed by a member of the faculty but its business affairs are handled by a student manager.

PAPER

The "Bucknell Beacon" is a student publication published monthly. All persons interested in writing and advertising are given an opportunity to gain experience by joining the staff of the "Beacon." Because the Junior College offers only two years of work Freshmen have unusual opportunities to contribute.

DEBATING

Debating has proven to be a popular activity, particularly with students who are preparing for law or other occupations that require public speaking. A number of inter-collegiate debates are arranged each year.

ATHLETICS

Basketball, tennis, and baseball teams have had a schedule of games with other colleges each year since the Junior College was established. This year schedules have been arranged for swimming, bowling, and golf teams.

In addition to intercollegiate competition a program of intra-mural sports has been developed. This program gives every man an opportunity to engage in some sport, basketball, handball, volley ball, bowling, or swimming.

An athletic program for women is being developed. They are now offered opportunities for swimming and bowling. Next year an archery range is planned and other activities will be added as opportunities and interests develop.

CLUBS

A number of clubs have been developed to satisfy the special interests of students in academic, professional or artistic fields. These clubs have been developed through the cooperation of students and faculty. Their organization is quite flexible in order that their programs may be adapted to the current interests of students.

BUILDINGS AND EQUIPMENT

The college buildings located in the most attractive and the most central part of Wilkes-Barre on South River Street, face the commons and overlook the Susquehanna River. They are within one block of the Osterhout Free Library, the Wyoming Historical and Geological Society, and the Y. M. C. A.

Conyngham Hall, the recent gift of Mrs. John N. Conyngham, will be remodeled during the summer months for occupancy by September. Here the biology, chemistry, and physics laboratories will be located. These will all be furnished with the most modern equipment. Also the library and classrooms for mathematics, English, and the social studies will be situated in this building.

Chase Hall, given by Rear Admiral and Mrs. Harold Stark in memory of Fred M. Chase and Mrs. Eleanore Stark Chase, will be used to house the administration offices, the recreational rooms, and the French and German departments.

Although the College has no gymnasium, a full membership in the Young Men's Christian Association for each man student provides physical education facilities, including the use of the swimming pool, gymnasium, shops, and other recreational facilities.

Arrangements with the Young Women's Christian Association provide facilities for physical education for the women students.

Act
East
Bob
Boyl
Bris
Casp
Cies
Davi
Davi
Davi
Davi
Dona
Drex
Freed
Frit
Gall
Gard
Griff
Hone
John
Kam
Kop
Levi
Leyba
McHu

Ballie
Baran
Bartos
Beiswi
Bendoc
Benner
Bilby,
Bloom
Capon
Clark,
Conlon
Costine
Dauger
Ditoro,
Dobb,

STUDENTS

SOPHOMORES: CLASS OF 1939

Atherholt, William Harvey.....Luzerne	Mayock, James Thomas.....Wilkes-Barre
Basta, Edith Marie.....Parsons	Miller, Frederick Allford.....Parsons
Bohn, Robert Thomas.....Wilkes-Barre	Morgan, David EliKingston
Boyle, Joseph Robert.....Wanamie	Morgan, Helen SharpeWilkes-Barre
Brislin, Joseph Patrick.....Wilkes-Barre	Mushowitz, Philip Seymour....Wilkes-Barre
Casper, Richard Freeman.....Wilkes-Barre	O'Malley, Andrew Peter.....Wilkes-Barre
Ciesla, Mary Josephine.....Wilkes-Barre	Ottaviani, William Joseph.....Glen Lyon
Davies, Elizabeth Yeager.....Forty Fort	Parkinson, John David, Jr....Wilkes-Barre
Davis, Benjamin S.Plymouth	Peters, Henry Nicholas.....Wilkes-Barre
Davis, Edward MyronAlden Station	Phillips, Marjorie Lewis.....Nanticoke
Davis, MaryKingston	Podrasky, Joseph John.....Wilkes-Barre
Donnelly, Joseph Gerard.....Wilkes-Barre	Rokosz, Leon Frank.....Nanticoke
Drexinger, Frank Fred.....Wilkes-Barre	Rushin, Leonard Anthony.....Nanticoke
Freed, MonroePittston	Saricks, John Hauze.....Wilkes-Barre
Fritz, James John.....Wilkes-Barre	Sauer, George Frederick.....Wilkes-Barre
Gallagher, Joseph Vincent....Wilkes-Barre	Schlingmann, Elizabeth Stella..Wilkes-Barre
Gardner, Earl Wayne, Jr.....Wilkes-Barre	Sgarlat, Frank Abbott.....Luzerne
Griffiths, AnnForty Fort	Stroinski, Felix Francis.....Wilkes-Barre
Honeywell, Marjorie Marie.....Plymouth	Thomas, Charles JamesPlymouth
Johnston, Ralph Joseph.....Wilkes-Barre	Thomas, Walter EdwinKingston
Kaminske, Melvin Neill.....Nanticoke	Tonks, Megan Betty.....Forty Fort
Kopicki, Marie Alberta.....Plymouth	Tractenberg, Norman.....Philadelphia
Levine, JuliaEdwardsville	Trethaway, Albert Thomas, Jr....Parsons
Levine, Sidney HaroldWilkes-Barre	Viglotti, Clement Francis, Jr.....Hudson
Leyba, JosephKingston	Warden, Esther Rae.....Shavertown
McHugh, Donald Peter.....Wilkes-Barre	Zurek, Edward John.....Wilkes-Barre

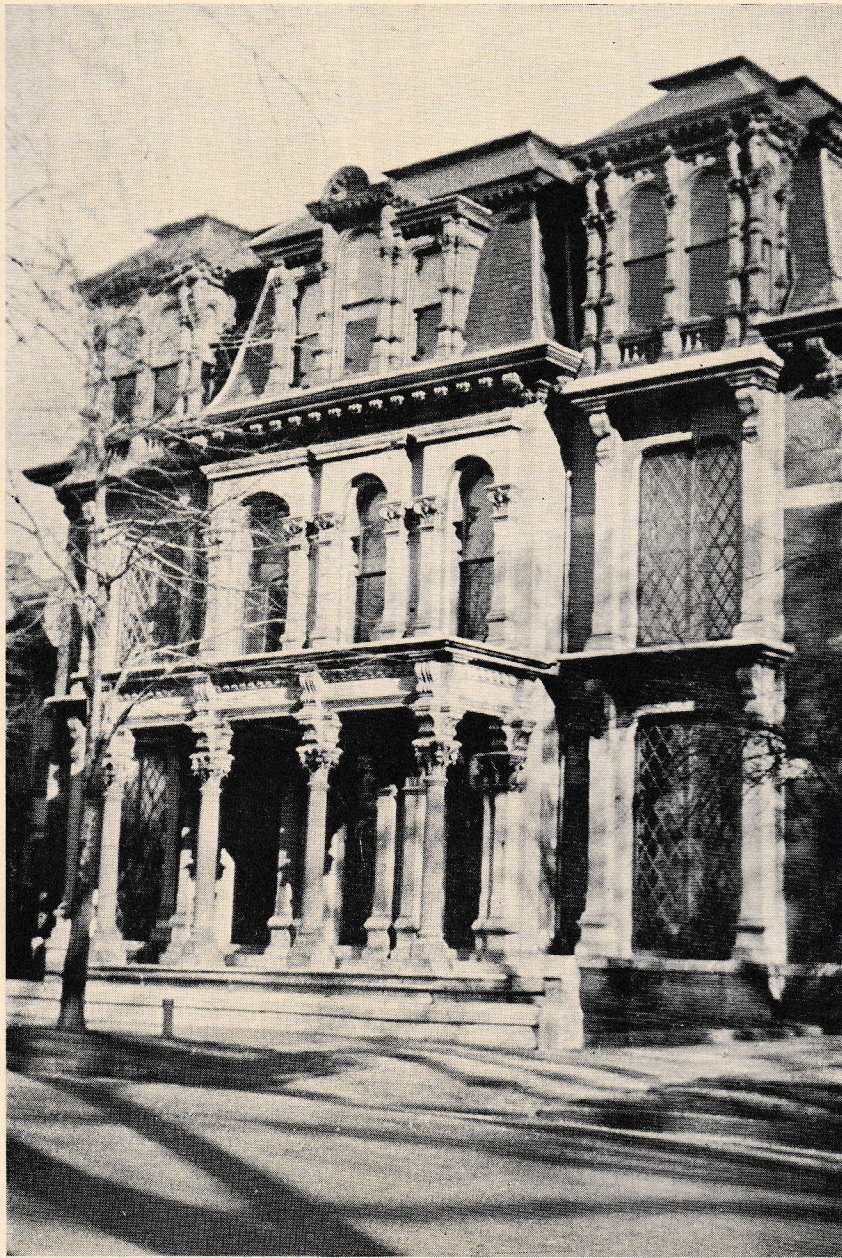
FRESHMEN: CLASS OF 1940

Balliet, Helen Amelia.....West Nanticoke	Dreier, Joseph Anthony.....Wilkes-Barre
Baran, George Daniel.....Beaver Meadows	Dunstan, Marion Jean.....Kingston
Bartosh, Thomas Joseph.....Edwardsville	Evans, Margaret Jones.....Kingston
Beiswinger, George Nicholson..Wilkes-Barre	Feigenbaum, Elsa.....Scranton
Bendock, Margaret Mary.....Nanticoke	Fenton, Betty Dawn.....Wilkes-Barre
Benner, Kenneth Graybill.....Kingston	Ford, Francis Patrick.....Nanticoke
Bilby, Russel Leroy.....Plains	Gambold, John Daniel.....Wilkes-Barre
Bloomburg, Arthur Alexius, Jr....Kingston	Glace, John Rickard.....Ashley
Capone, Rachael Rita.....Pittston	Golob, Charles George.....Plymouth
Clark, Marion Frances.....Tunkhannock	Grover, Robert Elliott.....Wilkes-Barre
Conlon, Joseph Paul.....Miners Mills	Grushetzky, Gladys Love.....Nanticoke
Costine, Norman Robertson.....Dallas	Grushetzky, Vera Faith.....Nanticoke
Daugert, Stanley Matthew.....Wilkes-Barre	Jenkins, Thomas Richard.....Forty Fort
Ditoro, Rocco Anthony.....Pittston	Johnson, Henry Clay.....Luzerne
Dobb, Edward.....Wilkes-Barre	Johnson, William Edward.....Wilkes-Barre

Jones, Clarence Wilson.....	Trucksville	Rosner, Ruth.....	Wilkes-Barre
Jones, David William.....	Kingston	Roush, Richard Judson.....	Wilkes-Barre
Jones, Marian Lois.....	Kingston	Seniuk, Michael.....	Wilkes-Barre
Kasper, John Jerome.....	Wilkes-Barre	Shafer, Albert Wheelock, Jr.....	Kingston
Kirshner, Pauline.....	Wilkes-Barre	Shapiro, Marjorie Frances.....	Wilkes-Barre
Krasnavage, George.....	Plymouth	Shard, Michael Francis.....	Wilkes-Barre
Leather, Jack.....	Nanticoke	Shook, Mary Josephine.....	West Pittston
Lewis, John Leo.....	Plains	Simoson, Leo Herbert.....	Luzerne
Luce, Arlene Elizabeth.....	Tunkhannock	Smith, David Edward.....	Nanticoke
Lynn, Betty Balliet.....	Kingston	Sorber, Bertha Nellye.....	Dallas
Maguire, Robert Francis.....	Plains	Spurr, George Clayton.....	Town Hill
Meyers, Paul Albert.....	Hunlock Creek	Steele, Virginia Louise.....	Hazleton
Mickewicz, Vincent, Jr.....	Nanticoke	Steinhauer, Charles Joseph.....	Wilkes-Barre
Millard, Charles Frederick.....	Wilkes-Barre	Sterniuk, Ilaria.....	Plymouth
Morgan, Lilly.....	Nanticoke	Thomas, Dorothy Meta.....	Exeter
Morgan, William Rosser.....	Kingston	Thomas, William Howard.....	Luzerne
Moss, Jean Winifred.....	Plymouth	Touris, Soterios.....	Brooklyn, N. Y.
Mundry, John Joseph.....	Nanticoke	Waldman, Aaron Hirsch.....	Pittston
Murdock, Virginia Evelyn.....	Forty Fort	Walsh, Jack Martin.....	Ashley
Neary, Joseph Aloysius.....	Wilkes-Barre	Walter, Francis Frederick.....	Wilkes-Barre
Olszewski, Stanley Richard.....	Nanticoke	Warmkessel, Willard Arthur.....	Forty Fort
Patrick, John Joseph.....	Mountain Top	Wasnick, Michael.....	Wilkes-Barre
Peters, Robert George.....	Wilkes-Barre	Wazeter, Alexander John.....	Wilkes-Barre
Reese, Donald Richard.....	Berwick	Weisberger, Ernest.....	Kingston
Reinecker, Anne Lois.....	Wilkes-Barre	Welch, George Allen.....	Wilkes-Barre
Reishtein, Maurice.....	Wilkes-Barre	Wesley, Joseph Franklin.....	Luzerne
Richards, Nan.....	Forty Fort	Zimmerman, Sidney Paul.....	Luzerne
Romane, Charles Joseph.....	Harding		

SPECIALS

Behler, Judith Boone.....	Wilkes-Barre	Judge, John Vincent.....	Wilkes-Barre
Brotherton, Elizabeth David.....	Forty Fort	Kane, Marjorie Patricia.....	Wilkes-Barre
Deimler, Lillie Louise.....	Wilkes-Barre	Karmilowicz, John Adrian.....	Kingston
DeRose, William James.....	Pittston	Rader, Reuben Winfield.....	Wilkes-Barre
Diamond, Demetra Louis.....	Nanticoke	Ravitz, Joseph M.....	Wilkes-Barre
Fenwick, Sara Innis.....	Wilkes-Barre	Rosser, Rachel Evelyn.....	Kingston
Gage, Jane Elinor.....	Wilkes-Barre	Stryjak, William Eugene.....	Nanticoke
Goss, Robert Edwin.....	Wilkes-Barre	Turrell, George Henry.....	Kingston
Griffin, James Edward.....	Wilkes-Barre	Ziegler, Bernard Theodore.....	Ashley
Hurley, John Philip.....	Nanticoke		



CONYNGHAM HALL

