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OFFICIAL PUBLICATIONS OF CORNELL UNIVERSITY

VOLUME IV

NUMBER 4

ANNOUNCEMENT OF COURSES
FOR THE TRAINING OF
TEACHERS AND SUPERVISORS OF MUSIC
IN THE
TWENTY-SECOND SUMMER SESSION
JULY 5 TO AUGUST 15, 1913

FEBRUARY 1, 1913
PUBLISHED BY CORNELL UNIVERSITY
ITHACA, NEW YORK

Information concerning admission, tuition fee, cost of living, rooms and board, and railroad routes and rates will be found on pages 12-14 of this pamphlet.

The work of the Department of Music, which is described in this announcement, forms an integral part of the entire work of the Summer Session.

The general announcement of the Summer Session including all courses of instruction in the twenty-five departments will be sent free on application to The Director of the Summer Session, Cornell University, Ithaca, N. Y.

CORNELL UNIVERSITY, SUMMER SESSION, 1913

OFFICERS

Thomas Frederick Crane, Litt.D., Acting President of the University.
George Prentice Bristol, A.M., Director of the Summer Session.
David Fletcher Hoy, M.S., Registrar of the University.

FACULTY OF THE DEPARTMENT OF MUSIC

Hollis Dann, Mus.D.,
Professor of Music, Cornell University,
Principal of the Department of Music.

Thomas Tapper, Litt.D.,
Lecturer, Institute of Musical Art, New York,
and in New York University.

Laura Bryant,
Director of Music in the Public Schools,
Ithaca, New York.

Arthur Abbott,
Director of Music in the Public Schools,
Buffalo, New York.

Jerome Hayes,
Teacher of Singing,
New York City.

Newton Swift,
Teacher of Piano and Theory,
Boston, Mass.

Bernice White,
Teacher of Music in the Normal College,
New York City.

Walter Butterfield,
Director of Music in the Public Schools,
Manchester, New Hampshire.

Edward Johnston,
Organist, Cornell University.

CALENDAR

SUMMER SESSION, 1913

In order that the Department of Music may secure the full number of exercises announced for the Session, it is necessary that work should begin promptly on Monday morning, July 7th. **All new students are therefore urged to be in Ithaca on Saturday morning, July 5th, for registration and classification.** All students should be present at 9 a. m. Monday, July 7th, when regular class work begins.

On reaching Ithaca, students in the Department of Music should go direct to Barnes Hall, Campus. Street cars from all railway stations go direct to the Campus.

Letters and telegrams for students in the Department of Music should be addressed in care of Department of Music, Barnes Hall, Ithaca, N. Y. The telephone connections at Barnes Hall are Bell telephone, number 561; Ithaca telephone, number 1110.

July 5, Saturday,	8 a. m. to 9 p. m. Classification at office of Department of Music, Barnes Hall. 9 a. m. to 5 p. m. Registration at office of Registrar, Morrill Hall.
July 7, Monday,	Instruction begins at 9 a. m. Registration in hours not occupied with class work.
July 8, Tuesday, and following Tuesdays,	8 p. m. Organ recital, Sage Chapel.
July 10, Thursday, and following Thursdays,	8 p. m. Musical recital, Sage Chapel.
August 14, Thursday,	8 a. m. to 3 p. m. Examinations, third-year class, Department of Music, Barnes Hall. 8 p. m. Closing exercises of the Department of Music. Conferring of certificates to third-year class, Sage Chapel.
August 15, Friday,	8 a. m. to 3 p. m. Examinations, preparatory-year, first-year, and second-year classes, Department of Music, Barnes Hall.
	Summer Session closes.

COURSES OF INSTRUCTION IN THE DEPARTMENT OF MUSIC

Most of the courses offered consist of five exercises a week, one each week day except Saturday. The number of actual hours of class work in any course may be found by multiplying the weekly exercises by six.

The word "hour" used in speaking of University credit, means the equivalent of one class exercise a week for a half year. One hundred and twenty such hours constitute the "hours" requirement for the degree of Bachelor of Arts.

COURSES FOR SUPERVISORS OF MUSIC

These courses are primarily intended for the training of supervisors and special teachers of music in the public schools. The time required for the completion of the work depends on the ability and capacity of the student and upon the amount and quality of training which the student has had previous to entrance.

Students who are proficient in sight reading, ear training, piano playing, and singing, and who pass the examinations for the preparatory and first-year courses, may thus complete the work in two Summer Sessions. Others will find it necessary to attend three or four Summer Sessions with a considerable amount of study at home during the academic years between Sessions. Full and detailed information in regard to this home study may be had on application to Professor Hollis Dann.

HIGH AND NORMAL SCHOOL MUSIC TEACHERS

The demand for high school teachers who are qualified to teach music in addition to other subjects is increasing rapidly, especially in the State of New York where the courses in dictation and melody writing and in chorus singing and the rudiments of music are being generally offered by the high schools throughout the State. The regulations governing the New York State normal schools now declare that the preparatory course in vocal music in secondary schools must provide adequate instruction in sight singing, rudiments of music, etc., for 152 periods. It becomes almost a necessity, therefore, that every high school faculty shall include a teacher capable of giving instruction in music. Teachers of other high school subjects, who are musically inclined, can easily prepare at the Summer Session of Cornell University to teach high school music as required by the State thus solving the problem confronting the secondary schools which offer a normal preparatory course.

The courses in sight reading, rudiments of music, chorus singing, dictation, and melody writing are especially adapted to the training of teachers experienced in high school work other than music. The five Regents' counts for vocal music may be obtained by the students of secondary schools employing such a teacher.

Teachers who are capable of taking charge of music in normal schools are needed in every state. Careful attention is given to the training of teachers to fill these positions. Special classes in the study of high and normal school problems in music are included in the courses offered.

COURSES FOR GRADE TEACHERS

The probability is that the near future will witness a requirement made by school boards and state boards of education, demanding that the grade teacher shall qualify in music as she must qualify in every other subject in the elementary curriculum. Such a requirement is already in force in several states. This makes a special course of music for grade teachers an actual necessity.

In offering work for grade teachers, Cornell University is the first to place at the grade teachers' disposal, a practical opportunity for thorough preparation in the subject of public school music. A teacher who takes the preparatory-year and first-year courses and completes the work satisfactorily, will have received thorough training in sight reading, in ear training and dictation, will have taken an elementary course in melody, and will have received instruction in the methods of presenting public school music. Changed conditions and the important place music has assumed in public education, make training to this extent a requisite. It gives the teacher as much freedom in knowledge of methods and materials in music as in the subjects of geography, spelling, arithmetic, and the like.

Preparatory-year courses are designated A. First-year courses are designated B. Second-year courses are designated C. Third-year courses are designated D.

Sight Reading—A. This is an elementary course. All that is required for entrance is sufficient aptitude and ability to pursue the subject with profit. The requirements for the completion of the preparatory-year sight reading include the ability to read at sight simple music, such as is taught in the first three grades in the public schools, using the Latin syllables.

Daily except Wednesday and Saturday, 2.15, Barnes Hall, Miss WHITE.

Sight Reading—B. This course requires the reading at sight of music taught in the first six grades of the public schools.

Monday, Tuesday, and Thursday, 2.15, Barnes Hall, Mr. ABBOTT.

Sight Reading—C. The student is required to read at sight without accompaniment, the music used in the upper grades of the public schools including music used in the high school, reading words and music simultaneously.

Wednesday and Thursday, 8.55, Barnes Hall, Mr. ABBOTT.

Dictation—A. (Study of tone and rhythm). The only requirement for entrance is a general aptitude and capacity for the study of music including the ability to match tones.

The subject matter of music is presented first to the sense of hearing. In this course the student gains the power to think tones and to sense rhythms, and at the same time acquires a practical knowledge of the scale and the Latin syllables used in sight reading.

Daily except Saturday, 8.55, Barnes Hall, Miss WHITE.

Dictation—B. This course deals with the problems of tone and rhythm included in the first five years in the public schools.

The topics for consideration are oral and written tonal dictation, and oral and written metric dictation. Through the daily oral and written lessons the student gains the power to hear what he sees and to write what he hears.

University credit, two hours.

Daily except Saturday 8:55, Barnes Hall, Mr. BUTTERFIELD.

Dictation—C. (Study of tone and rhythm). This course includes the sixth, seventh, and eighth years of tone and rhythm study in the public schools. The student is required to recognize and write any melody of moderate difficulty in both major and minor keys. Additional training, including the recognition and writing of music in two, three, and four parts, is also required as a part of the necessary equipment of the supervisor.

University credit, two hours.

Daily except Saturday, 8.00, Barnes Hall, Mr. BUTTERFIELD.

These courses in musical dictation together with the courses in sight singing and melody, give to the student a mastery of the elementary subject of music, and constitute the foundational training essential for advanced study.

The marked superiority of the best European schools of music over American schools is largely due to the thorough and efficient three-year course in sight reading and dictation which is required of every student. The results are everywhere apparent. The student in harmony and counterpoint hears and visualizes the chord and the melody before he writes them; the orchestral player hears the tones and feels the rhythm of a difficult passage before he plays it; the singer likewise possesses the musicianship which comes with the ability to read and write the language.

For both teacher and pupil, the power to hear what is seen and to write what is heard, is absolutely essential to real success.

In music, as in other languages, the ability to read and write with facility is a prerequisite to advanced study.

The proper place for this foundational training is in the public elementary and secondary schools; the medium for its attainment is the supervisor of music.

Material—A. This is an elementary course. The work consists of the practical use and application of the subject matter studied in Ear Training A, Rudiments of Music A, and Sight Reading A. The course includes the study of elementary tonal and rhythmic principles together with simple, concise methods of teaching and applying the same.

Daily except Saturday, 8.00, Barnes Hall, Mr. ABBOTT.

Material—B. This course is devoted to the material for the kindergarten and for the first four years in music. It also includes the presentation of the material and methods of teaching rote songs.

University credit, one hour.

Daily except Friday and Saturday, 10.45, Barnes Hall, Miss BRYANT.

Material—C. This course is devoted to the material for the fifth, sixth, seventh, and eighth grammar grades. The sequence of idiomatic development of the subject and the interrelation of songs and studies are emphasized. Sight reading of words and music simultaneously supplements the singing with the syllable names.

University credit, one hour.

Daily except Friday and Saturday, 10.45, Barnes Hall, Mr. ABBOTT.

The three courses in Material are given by expert supervisors. The methods employed are those used in the school room. These courses therefore become a laboratory demonstration of the material and methods used in teaching music in the public schools from the kindergarten to the high school. On Friday of each week the work is illustrated with classes of children from the Ithaca public

schools. Students thereby have the opportunity of seeing the material and methods for each grade exemplified in the most practical way.

Methods—C. This course is devoted to the pedagogical consideration of music from the kindergarten to the fifth year inclusive. The work of each year is taken up in detail and all problems which confront the grade teacher and supervisor are thoroughly discussed. Plans and methods for class-room work and general supervision are carefully presented.

On Friday of each week, the lesson will consist of a demonstration of the year's work under consideration, by a class of children from the Ithaca public schools. Students in this course will thus have the opportunity of observing the practical application of methods with classes of children, from the kindergarten to the fifth year inclusive.

University credit, two hours.

Daily except Saturday, 9.50, Barnes Hall, Professor DANN.

Methods—D. This course is open only to students who have completed Methods C, and is concerned with the pedagogical consideration of music in the grammar grades. The course will deal with the details of teaching and of supervision in the upper grades.

Instruction is given in this course for the proper training and direction of the grade teacher. All the problems which confront the supervisor are thoroughly considered, and a systematic plan is laid out for his guidance.

Practical application of the instruction given will be made in the form of practice teaching by each member of the class with classes of children from the Ithaca grammar schools.

University credit, two hours.

Daily except Wednesday and Saturday, 2.15, Barnes Hall, Professor DANN.

Rudiments of Music—A. This course provides instruction in the elements of music. The following are taken up for study: clefs, signification and origin; names of pitches as established by the G-clef and F-clef; construction of major scale (without key-signature), note-values, and rhythm (different rhythms with the same meter), normal, harmonic, and melodic minor scales (without key-signatures); key-signatures; notation of chromatic scale with each key-signature; intervals; definitions of terms most frequently used in music.

Daily except Friday and Saturday, 9.50, Barnes Hall, Mr. ABBOTT.

Melody—B. Original oral melodies with their visualization; intervals; melody writing in major, diatonic, and with simple skips.

University credit, two hours.

Daily except Saturday, 8.00, Barnes Hall, Mr. SWIFT.

Melody—C. Melody writing in minor; triads; melody writing with special reference to triad suggestion; triad connection at keyboard; transposition; dominant seventh-chords.

University credit, one hour.

Monday and Tuesday, 2.15, Barnes Hall, Mr. SWIFT.

Melody and Harmony—D. Melody writing for two voices; connection of triads in four-voice writing in major and minor; resolution of the dominant seventh; modulations; inversions of triads and seventh-chords; harmonic analysis of compositions.

University credit, two hours.

Daily except Saturday, 9.50, Barnes Hall, Mr. SWIFT.

HIGH AND NORMAL SCHOOL MUSIC—CONDUCTING

This is an advanced course to which only third-year and still more advanced students are admitted. Courses in theory, in musical appreciation, and in chorus singing are outlined and presented in detail. The many difficult problems which confront the music teacher in the high and normal school, are carefully studied.

Some of the topics for special consideration are: the school chorus, glee clubs and orchestra, classification of voices, grading and classification of high school students in music, bibliography of choral and orchestral music suitable for high and normal school, preparation for normal and training schools, elective courses, credits for music, and means for cultivating the musical taste and ideals of the school and community.

A prominent feature of the work of this class is a practical course in conducting. Each student will be required to prepare and conduct choral selections under the supervision of the instructor. The work will also include instruction and practice in the reading of full scores for chorus and orchestra.

University credit, two hours.

Daily except Saturday, 8.00, Professor DANN.

PRACTICE TEACHING

Practical use of the material for all grades, and application of methods of teaching, are required.

Each student will be given frequent opportunity for practice teaching under supervision of different members of the Faculty. Classes of children from the different grades of the Ithaca public schools will be in attendance.

No student can complete the course for supervisors until he is able to demonstrate his mastery of the subject matter and methods by actual teaching. **It is highly important that each student shall have had some experience in teaching in the public schools before entering this class.** At least a year's experience as a grade teacher is invaluable and almost indispensable.

University credit, one hour.

Daily except Friday and Saturday, 8.55, Barnes Hall, Miss BRYANT.

CHORUS

Required of all students in music.

Five periods a week are devoted to chorus singing and to instruction in the technical and interpretative elements of choral music.

Topics for special consideration are: position, breathing and breath support, the study of vowels and consonants as applied to singing, and the preparation and performance of choral music by classes.

Cantatas and choruses suitable for high and normal school will be studied and performed by the chorus at the public recitals given by the Department of Music during the Summer Session.

Daily except Saturday, 11.40, Sage Chapel, Professor DANN.

LECTURES

Required of all students taking the course for supervisors.

Course One. Twelve lectures on the correlation of music with literature and the arts as a means of cultural attainment. The titles of the lectures are as follows:

1. Introduction. 2. Mental and Physical Efficiency. 3. The Technique of Study. 4. The Study of Environment. 5. What are Utilitarian Activities? 6. Principal and Collateral Activities. 7. Methods: Their Purpose and Danger. 8. Music as a Community Asset. 9. The Mastery of a Book. 10. The Attainment of Culture. 11. The Relation Between Art and Business. 12. Recapitulation of the Course.

Monday and Tuesday, 3.00, Sage Chapel, Mr. TAPPER.

Course Two. A course of lectures on vocal art and technique. The course will include the following topics:

Breathing, correct standing, body development; voice placing, what is meant by high and forward placing, breath support; tone emission, vocal balance or poise, resonance, tone color, articulation; vocal faults, singing out of tune, tremolo, hollow and metallic sounds, tongue and jaw interference; legato singing, canto, phrasing and diction, technique; resumé, repertoire.

Thursday and Friday, 3.00, Sage Chapel, Mr. HAYES.

CERTIFICATES

A certificate for work accomplished is granted to all those who pass successfully the required examinations at the close of the session.

A grade teacher's certificate is granted to those who complete the preparatory-year and first-year courses and pass satisfactory examinations.

A supervisor's certificate is granted to those who complete the course and satisfactorily pass the examinations.

DEPARTMENT OF MUSIC, CORNELL UNIVERSITY

Daily Program, Summer Session, 1913

	A Preparatory-Year Courses	B First-Year Courses	C Second-Year Courses	D Third-Year Courses
8.00 8.45	Material Mr. Abbott	Melody Mr. Swift	Dictation Mr. Butterfield	High and Normal School Music—Conducting Professor Dann
8.55 9.40	Dictation Miss White	Dictation Mr. Butterfield	Sight Reading 2 Mr. Abbott Wed. and Thurs.	Practice Teaching Miss Bryant
9.50 10.35	Rudiments of Music Mr. Abbott	Observe Methods	Methods Professor Dann	Harmony Mr. Swift
10.45 11.30		Material Miss Bryant	Material Mr. Abbott	
11.40 12.40	Chorus			
2.15 3.00	Sight Reading Miss White	Sight Reading 3 Mr. Abbott Mon., Tues., and Thurs.	Melody 2 Mr. Swift Mon. and Tues.	Methods Grammar Grades, and Practice Teaching Professor Dann
3.15 4.00	Lecture			

The afternoon classes will not meet on Wednesdays.
On Fridays, Third-Year Harmony recites at 8.55.

STATISTICS OF ATTENDANCE, 1912

The whole number enrolled in the Summer Session of 1912 was 1053 (599 men and 454 women), representing 48 states and territories and 25 foreign countries. Of this number 405 were students during the previous winter; 437 were persons engaged in teaching, of whom 30 were teachers in colleges, 10 in normal schools, 166 in high schools, 135 in grammar schools, 15 in private schools, and 81 were supervisors or superintendents. Students in music exclusively, numbered 140 of whom 50 were experienced supervisors or directors of music.

ADMISSION—ATTENDANCE—REGISTRATION

There is no examination for admission to the Summer Session. Each person must, however, satisfy the instructor in charge of any course (unless it be elementary) that he is qualified to pursue the work. Any duly registered student of the Summer Session may visit such classes as he desires. **Admission to the class rooms is restricted to duly registered students.** Persons wishing to have work done during the Summer Session counted towards an advanced degree must conform to the regulation stated under the heading "Academic Credit for Work", on this page.

All students are required to register at the office of the Registrar in Morrill Hall. They may register on Saturday, July 5th, between 9 a. m. and 4 p. m., or upon the day of their arrival, if they reach Ithaca later than July 5th. **Registration and classification of all new students on July 5th is urged.** Class exercises begin at 9 a. m. Monday, July 7th. The Registrar's office is open from 9 a. m. to 4 p. m. every day except Saturday, when it is closed at noon.

TUITION FEE

The single tuition fee for the entire Summer Session, whether one course or more be taken, is \$30. This must be paid at the office of the Treasurer, Room 1, Morrill Hall, within five days after registration day. In case of withdrawal, for reasons satisfactory to the Treasurer and the Registrar, within five days from the first registration day, the tuition paid may be refunded and the charge cancelled. In case of withdrawal within two weeks of the first registration day, one-half the tuition paid may be refunded. In case of registration after the first three weeks of the Session, students must pay two-thirds of the full tuition fee. No student is admitted without the payment of this fee.

ACADEMIC CREDIT FOR WORK

In the College of Arts and Sciences. The requirements for the degree of Bachelor of Arts are residence for eight terms (four years), and the completion of one hundred twenty hours ("points") of elective work. A student who has satisfied the entrance requirements of the College, and has afterward completed in two or more Summer Sessions at least twelve hours of work in courses approved by the departments concerned, may be regarded as having thus satisfied a term of residence. Under no circumstances shall work done in Summer Session be accepted as the equivalent of more than two terms of residence. The maximum amount of credit towards the A.B. degree which is allowed for the work of any one Summer Session is seven hours.

COST OF LIVING—ACCOMMODATIONS

The cost of furnished room and table board, not necessarily in the same house, during the Summer Session runs from \$5.50 a week upward. In some cases students have reduced this expense to \$5, or even a little less, but it is not safe to count on less than \$5.50. Rooms are engaged in advance for the whole six weeks of the Session, unless a clear understanding is had in advance to the contrary. Board may be engaged by the week. The charge for room is from \$1.25 up. Two dollars will pay for a good room. Table board runs from \$4.00 up. Five dollars is a fair price for comfortable living.

There is a large number of furnished rooms available for the use of summer students, and engagement of living quarters may be postponed until arrival in Ithaca. Selection of room after personal inspection is as a rule more satisfactory. A list of rooms will be printed and may be had by writing the Director of the Summer Session after June 1, 1913.

The University has one residence hall, the Sage College. This will as heretofore be opened for women throughout the Summer Session. Provided it is not closed for repairs, the Sage College annex, Sage Cottage, will be reserved exclusively for women registered in the Department of Music.

Applications for rooms in Sage Cottage will be filed and rooms assigned, after April 1st, in the order of the receipt of the applications. Whether the Cottage will be available will be known then. As the great majority of the persons living in the buildings are attending the University for serious work, it is necessary that the rooms and halls should be quiet during the hours of rest. Persons unwilling to conform to reasonable regulations for securing this quiet are not wanted in the buildings. The price of rooms in Sage College is from \$1.25 to \$5.50 a week, according to location, and of table board \$5.00. As the capacity of the building is limited early application is advisable.

This application should be made to the Manager of Sage College, Ithaca, N. Y. Every application for a room to be reserved must be accompanied by a deposit of \$5; otherwise the application is not registered. The amount of this deposit is deducted from the rent if the room assigned be occupied by the applicant; it may be refunded if the applicant gives formal and early notice to the manager that she desires to withdraw the application altogether.

Without permission from the Director of the Summer Session no one will be allowed to room in Sage College or Sage Cottage during the summer unless registered in the Summer Session.

The whole expense of attendance at the Summer Session may be estimated at \$80 to \$100.

THE LIBRARIES

The University Library is open on week days from 9 a. m. to 10 p. m., except Saturday, when it closes at 1 p. m. In this are housed the main library, containing about four hundred thousand volumes. The main reading room affords accommodations for over two hundred readers, and contains a selected library of over 8,000 volumes of reference works. Adjacent to it is the periodical room in which are kept the current numbers of about five hundred journals in various fields of knowledge. These rooms are open to all students. The main collection is primarily a library of reference for use in the building. Students are, however,

allowed to a limited extent to take out books for home use. Persons wishing this privilege must make a deposit of \$5, which will be refunded upon the return of all books taken out.

LECTURES—MUSICAL RECITALS—EXCURSIONS

There will be lectures on topics of general interest on Monday evenings throughout the Session. In addition to these there are lectures on topics of general interest each week in connection with the various departments. Notice of these will be given in the calendar for each week during the Session.

Musical recitals will be given on Tuesday and Thursday evenings in the Sage Chapel.

Wednesday evenings are devoted to the departmental conferences which are open to all interested. Notice of these will be given in the weekly calendar. In connection with the work of several departments excursions are made to many points of interest. Some of these are open to all members of the Summer Session. Notice of them is given from week to week.

RAILROAD ROUTES AND RATES

Ithaca is reached by either the Lehigh Valley or the Lackawanna railroad. By the latter, a branch leaves the main line at Owego. Through trains run from New York and Buffalo on the Lehigh, and through sleeping cars run daily from New York on both roads. From Philadelphia, Baltimore, Washington, and the South, via the Baltimore & Ohio, the Philadelphia & Reading connects with the Lehigh at Bethlehem. On the Lehigh, through trains for Ithaca connect with the New York Central at Auburn and Canastota, and with the Pennsylvania (Northern Central) and the Erie at Elmira.

Summer excursion tickets may be purchased at many central points to Ithaca. Information should be sought at the home railroad office.

OFFICIAL PUBLICATIONS OF CORNELL UNIVERSITY

Issued at Ithaca, N. Y., monthly from July to November inclusive, and semi-monthly from December to June inclusive.

[Entered as second-class matter, August 31, 1910, at the post office at Ithaca, N. Y., under the Act of July 16, 1894.]

These publications include

Catalogue Number (containing lists of officers and students), price 25 cents,
Book of Views, price 25 cents,

Directory of Faculty and Students, First Term, 1912-13, price 10 cents,
and the following informational publications, any one of which will be
sent gratis and post-free on request. The date of the last edition of
each publication is given after the title.

General Circular of Information for Prospective Students, December 15, 1912.

Announcement of the College of Arts and Sciences, June 15, 1912.

Announcement of the Sibley College of Mechanical Engineering and the
Mechanic Arts, January 1, 1913.

Announcement of the College of Civil Engineering, March 1, 1912.

Announcement of the College of Law, May 15, 1912.

Announcement of the College of Architecture, March 15, 1912.

Announcement of the New York State College of Agriculture, August 1,
1912.

Announcement of the Winter Courses in the College of Agriculture, Septem-
ber 1, 1912.

Announcement of the Summer School in Agriculture, July 1, 1912.

Announcement of the New York State Veterinary College, April 15, 1912.

Announcement of the Graduate School, January 15, 1913.

Announcement of the Summer Session, April 1, 1912.

Announcement of the Department of Forestry, November 1, 1912.

Annual Report of the President, December 1, 1912.

Pamphlets on scholarships, fellowships, and prizes, samples of entrance and
scholarship examination papers, special departmental announcements, etc.

Correspondence concerning the publications of the University should be
addressed to

The Secretary of Cornell University,
Ithaca, N. Y.