A black and white photograph of the Cornell University campus. The prominent feature is the tall, brick clock tower with a pointed roof and arched windows. The tower is situated on a grassy area with several large, leafy trees to its right. In the foreground, a wide, paved walkway leads towards the tower, with a few people walking on it. The sky is bright with scattered clouds. The overall scene is a classic representation of a university campus.

1971-72

Cornell University

ANNOUNCEMENTS

General Information

Cornell University

*General
Information*

1971-72

Cornell Academic Calendar

1971-72*

Registration, new students	Th, Sept. 2
Registration, continuing and rejoining students	F, Sept. 3
Fall term instruction begins, 7:30 a.m.	M, Sept. 6
Thanksgiving recess:	
Instruction suspended, 1:10 p.m.	W, Nov. 24
Instruction resumed, 7:30 a.m.	M, Nov. 29
Fall term instruction ends, 1:10 p.m.	S, Dec. 11
Independent study period begins, 2:00 p.m.	S, Dec. 11
Final examinations begin	Th, Dec. 16
Final examinations end	Th, Dec. 23
Christmas recess and intersession	
Registration, new and rejoining students	Th, Jan. 20
Registration, continuing students	F, Jan. 21
Spring term instruction begins, 7:30 a.m.	M, Jan. 24
Spring recess:	
Instruction suspended, 1:10 p.m.	S, Mar. 18
Instruction resumed, 7:30 a.m.	M, Mar. 27
Spring term instruction ends, 1:10 p.m.	S, May 6
Independent study period begins, 2:00 p.m.	S, May 6
Final examinations begin	M, May 15
Final examinations end	M, May 22
Commencement Day	F, May 26

* The dates shown in the Academic Calendar are subject to change at any time by official action of Cornell University.

CORNELL UNIVERSITY ANNOUNCEMENTS

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Contents

2	Cornell Academic Calendar
5	The Founding
6	Cornell Today
7	Cornell's Colleges and Schools
27	Africana Studies and Research Center
28	Program on Science, Technology, and Society
29	Officer Education
29	Admission to Cornell
47	Financial Aid
48	Housing
51	Dining Facilities
51	Office of the Dean of Students
52	Educational and Vocational Guidance
52	Reading-Study Center
53	Career, Summer Plans, and Placement
53	Foreign Students
53	Religious Affairs
56	University Libraries
56	Campus Life
62	Health Services
64	Health Requirements
66	Physical Education
67	Motor Vehicles
68	Expenses
73	Choosing a College or School
79	Index
80	List of <i>Announcements</i>

The curricula described in this *Announcement*, and the personnel listed herein, are subject to change at any time by official action of Cornell University.



Cornell's central libraries—Olin, at left, and Uris, with its symbolic tower—stand at the south end of the Arts Quadrangle.

Cornell University

THE FOUNDING

When Cornell was founded in 1865, it was considered a startling innovation in American education. Instead of pursuing conventional academic ideas, it proposed to offer *any* intellectually qualified person instruction in *any* subject. Ignoring as it did distinctions based on religion, sex, and color, the "Cornell Idea" was viewed as a questionable experiment.

Time proved the University to have been a leader in a great shift in American education. It answered the three most pressing demands of the period: liberalization of the humanities curriculum, promotion of research, and provision of advanced training in agriculture and engineering.

The Cornell story is best told in terms of its founders—Ezra Cornell and Andrew Dickson White.

Ezra Cornell was practical and energetic and had a Quaker conscience which impelled him to say, "My greatest care is how to spend this large income to do the greatest good. . . ." Cornell was not born to wealth. He had worked hard for it. And although his own education was meager, he concluded that supporting education was the best way to use his personal fortune for the good of posterity. His search for a way to implement this resolve ended when he met Andrew Dickson White, a fellow senator in the legislature at Albany.

White was American-born but a product of an older culture. It was easy to imagine him in a European university, happy among books and the trappings of antiquity. Devoted to learning, steeped in the arts and humanities, he was a professor and lived in the world of ideas. He had long dreamed of an educational institution that would be "a worthy American university."

In 1864 the two men conceived a plan to combine Ezra Cornell's resources with the proceeds from sale of the public land awarded

to New York State under the federal land-grant college act; together they won the state legislature's approval; together they built the University.

It was as much from their differences of character as from their common interest that the University was shaped. The practical Cornell would have established a school to train young men for agriculture and industry. The scholarly White would have started "a nucleus around which liberally minded men of learning . . . could cluster, a center from which ideas and men shall go forth to bless the nation. . . ."

As the product of both men's ideas, Cornell University became more than either had envisioned. It became a unique institution responsive to the new needs of the nation.

CORNELL TODAY

The University's basic objective is to produce men and women of intellect and to equip them to use their abilities wisely.

The stature of Cornell as a university is not a product of its size or location. It is not a function of age or financial standing or the geographic origin of students. Both excellence and mediocrity can be found in universities in any size range, any stage of prosperity, and any age group. The factors that distinguish Cornell and place it among the eminent universities of our time lie behind the brick and mortar, in the traditions, objectives, and commitments of the University and its people.

Cornell is not solely a place for memorizing data or mastering a vocation. It is, instead, a route to intellectual maturity, a means for developing the ideas, insights, and values which form a permanent personal capacity for intelligent thought and action. The Cornell student is prepared to use knowledge well for himself and society. The diversity of Cornell contributes breadth and perspective to strong, specialized programs of study.

Compared with some other American universities Cornell is of medium size. Listed on its rolls are some 15,000 students. Its faculty and staff on the Ithaca campus number about 7,000.

Some universities are sustained by public money; others depend on private funds supplied by alumni, friends, and other sources. Cornell draws its support from both. Part of the University is state-supported; part, privately financed through endowment, tuition, fees, gifts, and grants.

Cornell is a national—in fact, an international—institution. Its students come from every state in the Union and from about ninety foreign countries. The faculty and staff have been drawn

from every region of the nation—and again many nationalities are represented.

Cornell's activities are mainly centered in Ithaca, New York, on a campus comprising more than ninety major buildings on about 740 acres. Here, the University has the classrooms, laboratories, libraries, experimental gardens, dormitories, and other facilities needed for most of its work. It has also spread to other communities, however. It has a medical college and a nursing school in New York City. It operates the New York State Agricultural Experiment Station in Geneva, New York, and the National Astronomy and Ionosphere Center in Arecibo, Puerto Rico. Research teams are at work in several foreign countries.

CORNELL'S COLLEGES AND SCHOOLS

In 1868, when the first freshmen assembled on the Ithaca hills, Cornell University already was committed to having a curriculum of breadth as well as depth. Three programs of study were offered: a "classical" course, following the time-honored pattern of established universities; a "scientific and modern" course, directed to technology and similarly utilitarian studies; and an amalgam of the two called simply a "combined" course.

In the intervening years these three segments have grown into an academic complex of sixteen undergraduate and graduate schools and colleges which are fully accredited by state, regional, and national associations. The curriculum spans almost all the major branches of learning. Bachelor's degrees are awarded in ten broad areas of study.

Ten of the colleges and schools are now privately financed; four are operated under contract as units of the State University of New York. Regardless of the source of funds, all colleges and schools are full-fledged components of the University, interchanging students and supporting each other's efforts and programs. Admission to Cornell University involves, in each instance, meeting the entrance requirements of one of these academic divisions.

The central and largest unit is the College of Arts and Sciences. A liberal college, it devotes itself to those subjects which enable man to understand himself and his world—the humanities, the physical sciences, and the social studies. Every undergraduate takes some of its courses.

High school graduates are admitted to the New York State Colleges of Agriculture and Human Ecology and to the New York State School of Industrial and Labor Relations; to the College of Architecture, Art, and Planning; to the Colleges of Engineering

and Arts and Sciences; and to the School of Hotel Administration.

Students may be admitted to certain Cornell divisions only after some previous college education. The Cornell University—New York Hospital School of Nursing requires two years of undergraduate preparation; the New York State Veterinary College requires three years of undergraduate preparation; the Law School requires a baccalaureate degree; the Graduate School of Business and Public Administration requires a baccalaureate degree except in a few specific cases; and the Graduate School, the Medical College, the Graduate School of Medical Sciences, the Graduate School of Nutrition, and the Graduate School of Aerospace Engineering all require a baccalaureate degree.

Other units are the Division of Summer Session and Extramural Courses, and the Division of Unclassified Students.

For more information, the prospective student should consult the section Choosing a College or School, beginning at p. 73.

THE NEW YORK STATE COLLEGE OF AGRICULTURE

At the undergraduate level, the College of Agriculture offers a flexible program which allows students to choose and develop appropriate specializations.

Such specializations may include course work in the physical, biological, social, or agricultural sciences, all of which are important in modern agriculture. Leaders in the nation's largest industry, are needed in business, industry, government, education, and research, as well as in commercial agriculture. In preparing for these careers, some students find it stimulating to seek answers to the unknown while others are attracted by opportunity to apply knowledge to practical problems. Many graduates of the College continue their studies in graduate or professional schools.

The undergraduate program, spanning four years, leads to a Cornell University Bachelor of Science degree. The student may follow a curriculum in a specialized area suggested by his faculty adviser, or he may select, with the help of an adviser, courses within the broad requirements that will best prepare him for his personal objectives. Course selections are made from within the College of Agriculture as well as from the offerings of other divisions of the University.

Joint programs with the College of Engineering, the Veterinary College, and the Graduate School of Business and Public Administration make it possible for academically qualified students to obtain both a baccalaureate and a professional degree in these areas in the minimum time.

At the graduate level, the various departments of the College offer advanced instruction leading to the degrees of Master of

Arts, Master of Arts in Teaching, Master of Professional Studies (Agriculture), Master of Professional Studies (Communication Arts), Master of Science, Doctor of Education, and Doctor of Philosophy. Detailed information may be obtained from the Office of the Dean of the Graduate School.

The College also provides special adult programs, which are of college level but do not in themselves lead to a degree. These programs are designed to provide background for students seeking employment in specialized areas appropriate to the College.

Further information may be obtained by referring to the *Announcement of the College of Agriculture* or by writing to the Secretary of the College of Agriculture, Roberts Hall, Cornell University, Ithaca, New York 14850.

THE COLLEGE OF ARCHITECTURE, ART, AND PLANNING

The College of Architecture, Art, and Planning offers undergraduate instruction leading to degrees in the fields of architecture, planning, and the practice of art. At the graduate level, instruction is given in the history of architecture and urban development, architecture, urban design, architectural sciences, city and regional planning, and art.

The course of study leading to the degree of Bachelor of Architecture covers five years. It includes training in the basic skills and disciplines needed by the architect for professional competence in his field, together with courses planned to stimulate his creative imagination and to broaden his knowledge of the social and cultural values that must be reflected in contemporary architecture.

Students in the architectural program may, by special planning of their fifth-year program, be able to complete the requirements for one of the graduate programs offered in the College in less than two years.

Students in the architecture program wishing to terminate their studies with a nonprofessional degree of Bachelor of Fine Arts (in architecture) may apply for this degree to be granted upon completion of four years of the curriculum. This degree may meet the undergraduate requirements of certain graduate programs.

Students who hold professional degrees in architecture from accredited institutions and who wish to undertake graduate study in urban design may apply for admission as candidates for the degree of Master of Architecture.

Students whose undergraduate programs emphasized history of art, architecture, planning, or related subjects and who wish to undertake graduate study in the history of architecture and urban



Artistic expression is part of the
Cornell experience.

development may apply for admission as candidates for the degree of Master of Arts or Doctor of Philosophy.

Students who hold degrees in architecture or engineering from accredited institutions and who wish to undertake graduate study in architectural sciences may apply for admission as candidates for the degree of Master of Science.

Graduate work in art is offered to students who have completed their undergraduate training in painting, sculpture, or graphic arts, and who have proved their capacity to do independent, creative work. Such students may apply for admission as candidates for the two-year course of study leading to the degree of Master of Fine Arts.

Applicants to the program leading to the degree of Master of Regional Planning are expected to hold a Bachelor's degree from a recognized institution. It may be an academic or professional degree in any field of study and no preference for the area of undergraduate study is specified. Two years of graduate study are required for the degree.

The Ph.D. degree, with a major in city or regional planning, is also offered for professionally or academically qualified students interested in teaching, advanced scholarly research, or advanced professional work in planning.

Requests for further information should be addressed to the Office of the Dean, College of Architecture, Art, and Planning, Sibley Hall, Cornell University, Ithaca, New York 14850.

THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is a liberal arts college. Its students pursue the traditional aim of liberal education: man's understanding of himself and of the world in which he lives.

A four-year course of study leads to the Bachelor of Arts degree. During his undergraduate years, a student pursues at least a year's study in one of the natural sciences, in one of the social sciences, and in one of the humanities. In addition, he must achieve competence in the use of the English language and lay a sound foundation in at least one foreign language. In his last two years he may continue work in two or three areas of knowledge, but he devotes roughly half of his study to acquiring depth and competence in one of them, his major subject.

Though a part of the student's course of study is required, he still exercises a wide choice in selecting particular courses to meet the requirements and has numerous unrestricted electives. The student is expected to accept a large share of responsibility in shaping his own program of study, though every student is assigned to a faculty adviser and has recourse to other sources of

advice on the campus in making the most of his educational opportunities at Cornell.

A student is offered a wide choice of fields of major study: Africana studies, anthropology, Asian studies, biological sciences, chemistry, classics, classical civilization, economics, English, French, geological sciences, German, government, history, history of art, Italian, linguistics, mathematics, music, philosophy, physics, psychology, Russian, Semitic languages and literature, social relations, sociology, Spanish, and theatre arts. Additional areas of concentration are: American studies, archaeology, astronomy, comparative literature, computer science, the program in Greek civilization, human biology, international studies, Latin American studies, medieval studies, social psychology and urban studies. Individual programs may be constructed through the College Scholar and the Independent Majors Programs (see below and p. 13).

Though the program of studies in the College of Arts and Sciences has been constructed primarily to assure the successful achievement of a liberal education itself, it is also, according to graduate schools of law, medicine, and business administration, the best preparation for professional study.

In selecting students for admission, the College places increasing emphasis upon the quality of preparation in English, foreign languages, and mathematics. See the section Subject and Test Requirements, pp. 37-43.

Students interested in the College of Arts and Sciences should request the *Announcement* of that College. Those interested in graduate study should consult the appropriate one of the four *Announcements of the Graduate School* (see list at the end of this *Announcement*).

College Scholar Program

The College Scholar Program is primarily a College-wide honors program designed to provide for particularly able and mature students the opportunity to pursue an original program independent of general College requirements. Further information is contained in the *Announcement of the College of Arts and Sciences*.

The Greek Civilization Program

Designed for freshmen and sophomores, this Program is an integrated approach to a single culture through the various disciplines. It is equally valuable for students planning to concentrate in the sciences or in the humanities. Further information is contained in the *Announcement of the College of Arts and Sciences*.

The Independent Majors Program

This Program is designed for students who wish to focus on a topic that lies between or across the boundaries of existing departments. In his second semester as a sophomore the student is given the opportunity to define and design his own major field, with the guidance and direction of appropriate members of the faculty. Further information is contained in the *Announcement of the College of Arts and Sciences*.

THE COLLEGE OF ENGINEERING

New career opportunities in engineering are constantly developing as man tries to respond to his contemporary and future needs. To meet these needs, engineers must be increasingly interdisciplinary in their outlook, and to encourage the educational growth of Cornell engineering students in this direction, significant changes in the curriculum have recently been instituted.

Traditionally, engineering curricula have been well defined and have allowed students little or no opportunity to select courses. Now, the engineering student at Cornell can choose four of his ten courses (five per term) as a freshman and six of the ten as a sophomore. This latitude of choice enables him to explore possibilities that can lead to an interdisciplinary program during his upperclass years.

Because students enter the junior year with diverse backgrounds (in the natural, engineering, and social sciences), the College offers a broad choice of majors and an opportunity to design an individualized program if the student so desires. Among the well-defined majors are: chemical, civil, electrical, industrial, and mechanical engineering; engineering physics; and materials science and engineering. Individualized combinations of studies in different disciplines are possible through the *College Program*, in which a student constructs his own major and minor curricula with the advice of a faculty consultant. A number of students have developed such programs in preparation for graduate study in aerospace engineering, computer science, applied mathematics, and nuclear engineering. Other students have devised programs combining an engineering major with a biology minor, sometimes with a strong emphasis on bioengineering or environmental systems.

All these programs lead to the Bachelor of Science degree. After receiving this degree (which usually requires four years of study), a Cornell student may consider the one-year professional degree program leading to the Master of Engineering degree (with field designation) or the Master of Science/Doctor of Philosophy degree

program. The former is oriented to those who want to practice in their engineering field, the latter to those who want to pursue an academic or research career. Of course, many graduates of the College of Engineering continue their formal education in medicine, business administration, law, and other areas outside engineering.

For Cornell undergraduate engineering students who are interested in gaining valuable experience in industry while they go to school, the College sponsors an Engineering Cooperative Program. It currently involves twenty participating companies and is available to students majoring in mechanical, industrial, or electrical engineering, or engineering physics. Unlike most cooperative programs, Cornell's does not extend the date of graduation—students take fifth-term courses during the summer after their sophomore year and work in industry during the fall of their junior year and in the two succeeding summers.

Students interested in the College of Engineering should request the publication *Engineering at Cornell*. Detailed descriptions of undergraduate and graduate courses and fields may be found in the *Announcement of the College of Engineering*.

THE SCHOOL OF HOTEL ADMINISTRATION

The special program in hotel and restaurant administration gives thorough professional training for careers in the hotel, restaurant, hospital, and related fields. The curriculum is designed to fit students for positions of executive responsibility.

Besides courses in the humanities, the program of study includes general and specialized accounting involving computer applications, business administration, financial management, food science and food service management, functional design, human resources development, marketing, and property administration as these subjects relate to worldwide developments in food, lodging, and travel.

The program is technical in that it requires a concentration of effort in scientific courses necessary for an adequate background in a field where a core of basic information must be mastered. Yet it is sufficiently broad to allow for optional courses that are of value to those who look forward to positions of top executive responsibility.

The course of study covers four academic years and leads to the Bachelor of Science degree.

Students receive practical training through the operation of Statler Inn, a practice hotel on the University campus, which includes rooms for transient guests, banquet facilities, service restaurants, and cafeterias. A newly instituted program also provides

for management internship in selected organizations away from the campus under the supervision of a School director.

Requests for further information should be addressed to the Director of Admissions, School of Hotel Administration, Statler Hall, Cornell University, Ithaca, New York 14850.

THE NEW YORK STATE COLLEGE OF HUMAN ECOLOGY

The undergraduate program of the College of Human Ecology (formerly College of Home Economics) provides basic course work in subjects that relate man to his near environment. Today more than ever there is a pressing need for professionals with solid college training to formulate solutions to human problems. The aim of the College is twofold: to offer, through the facilities of the College and University, a liberal education in the social and natural sciences, the humanities, and the arts; and to provide specialized instruction based upon these disciplines. The College prepares graduates for professional careers in which the interests and well-being of the individual, the consumer, and the family are paramount. Because the educational program emphasizes both breadth of knowledge and its application to the solution of human problems, it offers professional or preprofessional training for an increasing variety of positions in addition to the traditional home economics professions.

Four years of academic work lead to the Bachelor of Science degree. Requirements for the degree include study in the humanities and the biological, physical, and social sciences inside and outside the College. Electives may be taken in the College and elsewhere in the University.

The program of liberal studies emphasizes those subjects which best help man to understand himself and his environment. It provides the basic knowledge required for successful professional work in a society that is changing both technologically and sociologically. The specialized studies relate general knowledge to an understanding of the needs of people with regard to food, shelter, clothing, management of resources, and interpersonal and family relationships.

Departments in the College include Community Service Education, Consumer Economics and Public Policy, Design and Environmental Analysis, Human Development and Family Studies, and Human Nutrition and Food.

Graduate study in the College, offered in all departments, leads to either the Master's or the Doctor's degree. Candidates must qualify for admission to the Graduate School.

Professional opportunities are many and varied. Graduates of

the College are employed in social case work and group work, and in the study of budgets and standards that help social agencies function; in hospital dietetics and nutrition education; in business, as professionals in consumer education and services, and in the design, promotion, and testing of such items as foods, textiles, household and institutional equipment, and furnishings; in teaching at preschool, secondary, and college levels, and in cooperative extension; in research programs; and in writing, radio, and television positions.

Descriptions of undergraduate and graduate courses may be found in the *Announcement of the College of Human Ecology*.

Inquiries about the undergraduate program may be addressed to the Committee on Admissions, College of Human Ecology, Martha Van Rensselaer Hall, Cornell University, Ithaca, New York 14850. Requests for information about graduate study may be addressed to the Associate Dean for Graduate Education and Research, College of Human Ecology, Martha Van Rensselaer Hall.

THE NEW YORK STATE SCHOOL OF INDUSTRIAL AND LABOR RELATIONS

The School of Industrial and Labor Relations offers professional study in its field for both graduate and undergraduate students. The curriculum is designed to prepare young men and women for careers in personnel and union-management relations work with business and industry, labor unions, and both state and federal governments. It also offers preparation for postbaccalaureate study in the fields of law, education, business, psychology, sociology, economics, history, political science, international affairs, and numerous interdisciplinary graduate degree programs concerned with contemporary social, economic, urban, and political problems, domestic and foreign. Undergraduates pursue a curriculum leading to the Bachelor of Science degree, and graduate study leads either to the Master's or to the Doctor's degree.

Aimed at developing an understanding of urban industrial society, the curriculum provides a broad base in the social sciences, a core of course work in industrial and labor relations subjects, and a complement of general electives in the humanities. The freshman and sophomore years consist mainly of required courses, offered by the School, the College of Arts and Sciences, and the College of Human Ecology. Upperclass students are free to pursue elective studies, about evenly divided between courses offered by the School and by other divisions of the University.

Undergraduates wishing to prepare for graduate work in one of the basic social sciences may use out-of-college electives to estab-

lish an informal minor in economics, government, history, psychology, or sociology. Choice of advanced Industrial and Labor Relations electives will reflect the individual student's interests in the offerings of the following departments in the School: Organizational Behavior; Labor Economics and Income Security; Collective Bargaining, Labor Law, and Labor Movements; Economic and Social Statistics; International and Comparative Labor Relations; and Manpower Studies.

Requests for further information should be addressed to the Director, Office of Resident Instruction, School of Industrial and Labor Relations, 101 Ives Hall, Cornell University, Ithaca, New York 14850.

THE CORNELL UNIVERSITY-NEW YORK HOSPITAL SCHOOL OF NURSING

The nursing major is offered at the School of Nursing in New York City. The School is a unit within the complex of the New York Hospital-Cornell Medical Center.

Two nursing programs are offered, each leading to the baccalaureate degree. Admission to the four-year program is dependent upon the satisfactory completion of sixty semester hours (two years) of general courses. These first two years may be taken at Cornell University in Ithaca in the College of Arts and Sciences, the College of Human Ecology, or the College of Agriculture, or at any regionally accredited university, college, or junior college.

The two-year nursing program is open to those persons who have a baccalaureate degree in another discipline and wish to seek a professional education.

Both programs offer preparation for professional nursing and lead to the degree of Bachelor of Science in Nursing. Opportunities are open to graduates in a wide variety of health services at home and abroad.

Requests for further information should be addressed to the Registrar, Cornell University-New York Hospital School of Nursing, 1320 York Avenue, New York, New York 10021.

THE GRADUATE SCHOOL

The Graduate School offers facilities for advanced study and research to mature students who wish to receive advanced professional training and to become scholars in the broad sense of the term.

Graduate study is necessarily a highly individual process. The transmission of scholarly enthusiasm and independence from one



Part of the University's
new two-level campus store.

generation of scholars to another is not assured by a system of regulations and requirements. The faculty regards a person-to-person relationship between the student and his Special Committee or adviser as the best way for the student to reach scholarly maturity. In consequence, the faculty makes no specific requirements for the advanced general degrees of Master of Arts, Master of Science, and Doctor of Philosophy, but only such general requirements as govern the relationships which, in its considered judgment, best accomplish the aim of graduate study: a period of study in residence, the mastery of some one subject, adequate acquaintance with allied subjects, presentation of a satisfactory thesis, and oral examinations.

The Graduate School faculty, as a unit, exercises sole jurisdiction over these advanced *general degrees*. It also has jurisdiction over many of the professional degrees offered by the University. Information concerning qualifications for admission and the courses of study for professional degrees may be obtained from the several Cornell colleges that administer them.

Students who may wish to use the facilities of the University for intensive specialized training but who are not interested in advanced degrees may be admitted as noncandidates under the general supervision of the Graduate School.

To be admitted to the Graduate School an applicant must (1) hold a baccalaureate degree from a college or university of recognized standing or have had work equivalent to that required for such a degree; (2) show promise, as judged by his previous record, of ability to pursue advanced study and research satisfactorily (class standing in the top one-third is considered minimal); and (3) have had adequate preparation to enter graduate study in his chosen field. Despite very good academic records, however, some applicants may be refused admission because of the limited staff and facilities in some Fields in relation to the number of well-qualified applicants.

Inquiries about admission and fellowships should be addressed to the Dean of the Graduate School, Sage Graduate Center, Cornell University, Ithaca, New York 14850. Applications for the fall term which request financial support must be received prior to February 1.

Inquiries regarding facilities for advanced study and research in a given Field, special requirements for such study and research, and opportunities for part-time employment in teaching and research may be addressed to a member of the faculty in the particular Field or to the dean.

For further information see the appropriate *Announcement of the Graduate School* as listed at the end of this *Announcement*.

THE GRADUATE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

The objective of the Graduate School of Business and Public Administration is to prepare men and women, through interdisciplinary studies at the graduate level, for administrative careers in private business, public service, and health care. Accordingly, the School offers work in many disciplines to provide the potential business, public, or health administrator with an understanding of the complexities of the external environment in which he will operate and of the internal workings of the organization of which he will become a part. Although the knowledge and analytical ability a successful manager must possess will be developed in part from the constant challenge and stimulation of experience, education in business, public, or health administration can establish a sound basis for acquiring such knowledge and analytical ability and can accelerate understanding of the administrative environment.

Except as outlined in the *Announcement* of the School, a Bachelor's degree or its equivalent is required for admission to the two-year program leading to the Master of Business Administration, Master of Public Administration, or Master of Professional Studies (Hospital and Health Services Administration) degree. Generally, about two-thirds of the students have a background of undergraduate studies in arts or sciences, and about one-quarter have studied engineering.

After completing the basic program, the M.B.A. candidate may elect a program of concentration in industrial accounting, professional accounting, finance, international business operations, managerial economics, marketing, personnel management, production and operations management, quantitative analysis for managerial decision making, or transportation. The M.P.A. candidate may elect a concentration in economic analysis and public policy, general public administration and policy formulation, international development and foreign operations, metropolitan and urban studies, or organizational theory and behavior. The M.P.S. (HHSA) candidate may elect a concentration in comprehensive health planning, medical care administration, hospital administration, or mental health administration. Also, a student in the health program may choose to elect either the M.B.A. or M.P.A. degree, in which case he must fulfill additional requirements beyond those required for the health degree.

Special programs, including combinations of work in the areas listed above and study at the graduate level in other divisions of the University, are also available. The content of the individual

student's program is determined by him in consultation with his adviser.

Through a combined program in administration and law, organized by this School and the Cornell Law School, a student may obtain the M.B.A. or M.P.A. degree and the J.D. degree in four years.

The Doctor of Philosophy program provides an advanced and comprehensive education in administration, primarily for those who seek careers in teaching or research. Applicants must meet the entrance requirements of the Graduate School.

The School publishes the *Administrative Science Quarterly*, a scholarly journal concerned with advancing the basic understanding of administration through empirical investigation and theoretical analysis. It also publishes books and monographs on various aspects of administration and policy.

Through its Executive Development Program, the School offers an intensive six-week course of study designed for executives in business firms and governmental agencies. Development programs are also offered for hospital administrators and agribusiness executives.

Malott Hall (1964), which houses the School, was designed to meet the specialized requirements of graduate education in administration.

Requests for further information should be addressed to the Director of Admissions and Student Affairs, Graduate School of Business and Public Administration, Malott Hall, Cornell University, Ithaca, New York 14850.

THE LAW SCHOOL

The primary function of the Law School is to prepare attorneys for both public and private practice who are equipped to render skillful professional service and who are thoroughly conscious of the important role played by the law as a means of social control. The curriculum is designed to prepare students for admission to the bar in all American states and territories.

A student who is admitted to the Law School must have a Bachelor's degree from an approved college or university. The Law School and the Graduate School of Business and Public Administration have developed a program for combining a law school education with training in either business or public administration, according to a student's election, leading to the completion of work in the two fields and the award of two degrees in four rather than five years. Applicants for admission to this combined program must make a separate application to each school and be approved by both.

The course of study leading to the degree of Doctor of Law (J.D.) covers three academic years. A limited number of students will be admitted to a program of study leading to the degree of Doctor of Law (J.D.) with specialization in international affairs.

Study at the graduate level, leading to the degrees of Master of Laws and Doctor of the Science of Law, is conducted in the Graduate School under the direction of the Law School. Candidacy for the degree of Master of Laws is open to those who have earned the first professional degree in law and who have decided upon a specialty. Work leading to the degree of Doctor of the Science of Law is planned mainly for those who wish to teach law.

Requests for further information should be addressed to the Director of Admissions, Law School, Myron Taylor Hall, Ithaca, New York 14850.

THE MEDICAL COLLEGE

Cornell University Medical College is located at the center of a large complex of medical institutions involved in teaching, research, and treatment on the east side of Manhattan in New York City.

The Medical College offers a four-year course of graduate instruction leading to the degree of Doctor of Medicine and qualifying graduates for licensing examinations in all states and territories of the United States. Applicants for admission to the Medical College must be graduates of approved universities, colleges, or scientific schools. The first two years primarily are devoted to study of the basic sciences of anatomy, microbiology, pathology, physiology, biochemistry, public health, and pharmacology, but a number of hours are reserved for the clinical sciences (approximately 20 percent of total time) and electives (10 percent of total time). The last two years concentrate on training in the clinical sciences of internal medicine, neurology, surgery, pediatrics, psychiatry, and obstetrics and gynecology.

Cornell University Medical College is a partner in The New York Hospital-Cornell Medical Center. In its teaching programs the Medical College is affiliated with and uses the clinical facilities of The New York Hospital; Memorial Sloan-Kettering Cancer Center; Manhattan Eye, Ear and Throat Hospital; the Hospital for Special Surgery; and the North Shore Hospital. Requests for information should be addressed to the Chairman, Admissions Committee, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

THE GRADUATE SCHOOL OF MEDICAL SCIENCES

The Graduate School of Medical Sciences offers programs leading to the degree of Doctor of Philosophy in the Fields of Biochemistry, Biological Structure and Cell Biology, Biology, Biomathematics, Biophysics, Genetics, Microbiology, Neurology and Behavior, Pathology, Pharmacology, and Physiology. The School also offers programs leading to the Master of Science degree in certain of these Fields. The faculty of the School is drawn from the basic science departments of Cornell University Medical College and from the units of its Sloan-Kettering Division. The research facilities of the Medical College and of the Sloan-Kettering Institute for Cancer Research are utilized in the graduate programs of the School. Requests for information should be addressed to Graduate School of Medical Sciences, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

THE GRADUATE SCHOOL OF NUTRITION

The Graduate School of Nutrition offers graduate programs in the biological aspects of nutrition, as well as in the social science aspects of nutrition. The Master of Nutritional Science (M.N.S.) degree program gives a firm foundation in the sciences basic to nutritional science. In addition, each student takes appropriate courses and conducts research in his chosen area of specialization. One of the following specializations may be selected: nutritional biochemistry; experimental animal nutrition; or human nutrition, which includes international nutrition, public health nutrition, and clinical nutrition. Special instruction is available to students whose previous academic training has not been in the area of nutrition. The program, which is usually completed in two years, including one summer, is designed to meet the student's particular needs according to his educational background, graduate specialization, and professional goals after graduation.

The broad background obtained in the M.N.S. degree program is excellent for students wishing to continue in a doctoral program in nutrition (human or animal), or a related area such as biochemistry, physiology, or sociology. In fact, numerous students have found the M.N.S. degree program particularly helpful in selecting an area of study leading to the more advanced degree and have used the School's program as a stepping-stone when their future ambitions had not yet been established.

Applicants for admission to the School must hold a baccalaureate degree from a college or university of recognized standing.

Requests for further information should be addressed to the

Secretary, Graduate School of Nutrition, Savage Hall, Cornell University, Ithaca, New York 14850.

THE NEW YORK STATE VETERINARY COLLEGE

The Veterinary College curriculum, which requires four academic years, provides a biological background in the science and art of veterinary medicine. Training includes instruction in normal and abnormal structure and function of the animal body, in diagnosis, prevention, and treatment of animal diseases; and in matters that pertain to public health. Upon completion of the prescribed course of study, the degree of Doctor of Veterinary Medicine is awarded. This degree is recognized by the licensing boards of all states and territories of the United States and by similar agencies in foreign countries. Graduates may enter private practice, salaried work with state or federal agencies and private corporations, or research and teaching in a variety of institutions.

Work at the graduate level leading to the degrees of Master of Science, Doctor of Science in Veterinary Medicine, and Doctor of Philosophy is offered in accordance with the regulations of the Graduate School.

Requirements for admission to the College include three years of college work with credits in several specified subjects and satisfaction of an animal practice requirement. Students are selected on the basis of scholastic ability and vocational motivation. Since the College is state-supported, preference is given to New York State residents who qualify for admission.

Those who are interested in applying for admission should request a copy of the *Announcement of the New York State Veterinary College*.

THE DIVISION OF SUMMER SESSION AND EXTRAMURAL COURSES

Under the auspices of the Division of Summer Session and Extramural Courses, the University offers a wide variety of credit and noncredit courses during the summer for graduate, undergraduate, and nondegree students, and for high school graduates accepted for admission by an accredited college. The Division also provides an opportunity for employed persons to take part-time study during the regular school year. In this way an individual may gain credit toward an academic degree, may take work necessary for job advancement, or may pursue cultural and avocational interests.

THE SUMMER SESSION. The Summer Session of Cornell University is planned with the cooperation of the faculties of the sep-

arate schools and colleges. It involves a wide spectrum of courses and includes programs which especially lend themselves to the concentrated study period and the summer environment. The regular Cornell standards of instruction and academic performance are maintained.

A balanced program of study and recreational activities is available to college-bound secondary school seniors, undergraduates, graduate degree candidates, and persons interested in continuing education for personal or professional improvement. A varied selection of courses is offered by the Summer Session to those persons for whom the summer period is especially convenient for study.

Classes in the summer provide the particular advantage of optimum size for close association between student and instructor. The median class size in past summers has ranged from twelve to fifteen students.

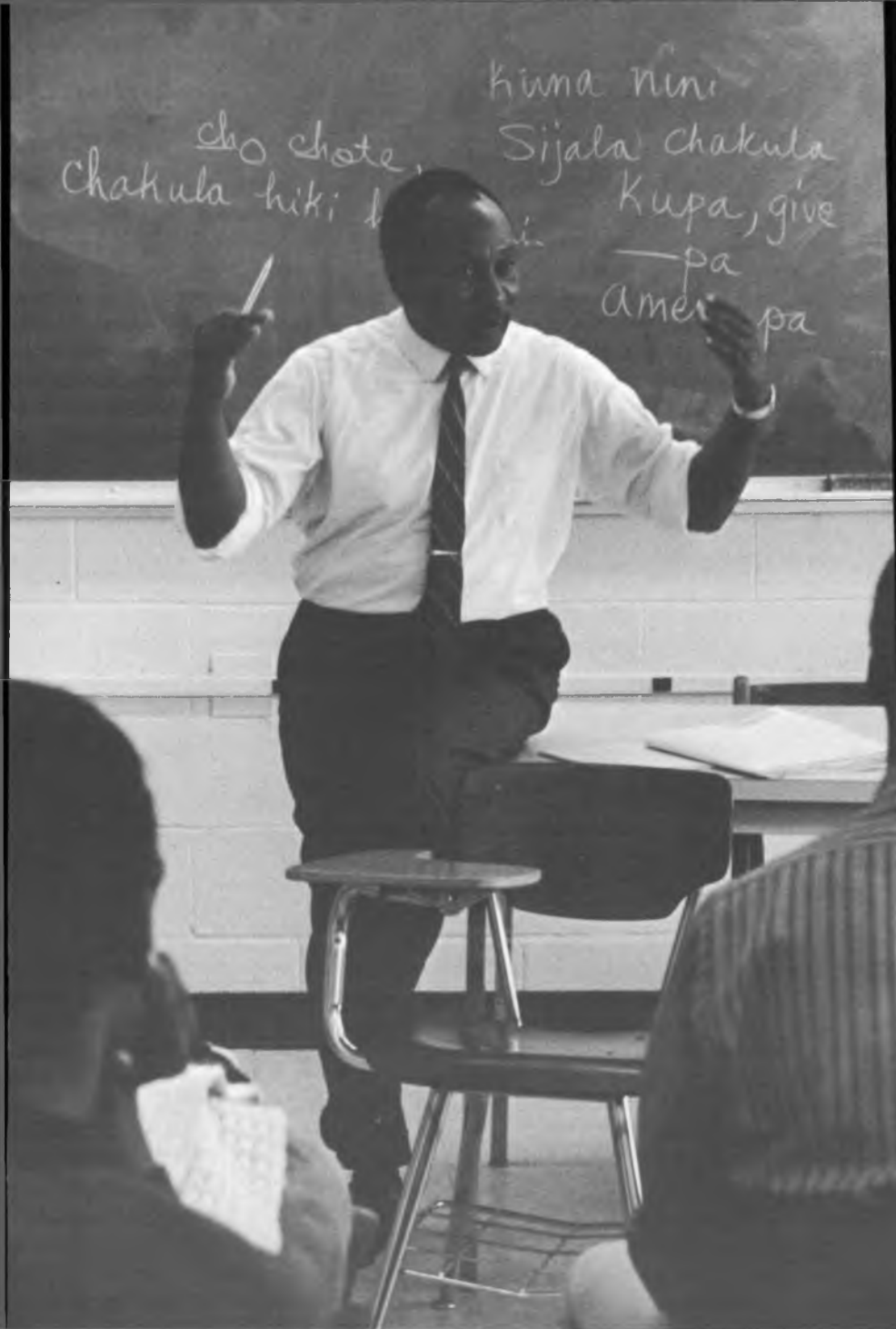
All necessary facilities of the University are available to students registered in the Summer Session: libraries, classrooms, and laboratories; residence halls, dining rooms, and cafeterias; health services and medical care; counseling services; student unions, chapel, playing fields, and a variety of recreational areas.

EXTRAMURAL COURSES. Through extramural registration, the University seeks to serve employed persons whose available time does not permit full-time study. Individuals are admitted to courses on the basis of their qualifications to do the work required in each specific course. Normally, an individual is not permitted to register for more than seven credit hours in a single term. The Division of Extramural Courses offers the opportunity to take credit in two different ways: (a) by registering in courses in off-campus centers located to suit the convenience of a sufficient number of extramural students to warrant the offering; and (b) by registering in the same on-campus courses that are scheduled for the regular full-time student. All such courses carry the same credit as for the full-time student.

Requests for additional information about either the Summer Session or extramural courses should be addressed to the Dean, Division of Summer Session and Extramural Courses, B-20 Ives Hall, Cornell University, Ithaca, New York 14850.

THE DIVISION OF UNCLASSIFIED STUDENTS

The Division of Unclassified Students is designed to assist the potentially able student whose basic interests and aptitudes lie outside the course in which he originally enrolled. Any student



Teaching at the Africana Studies and Research Center.

who has been in residence as a candidate for a degree in any of the colleges or schools of the University may apply for admission. Only the student who has a reasonable prospect of achieving his new goal is accepted.

The Division accepts applications for either semester. The student who feels that he is misplaced or is uncertain of his objective should consult the director early in his college career.

Application should be made at the office of the Division of Unclassified Students, 158 Olin Hall, before August 1 for the fall term and before January 1 for the spring term. In addition, the student must notify the Office of the Registrar of his desire to transfer.

All students admitted remain under the direct supervision of the dean who serves as their faculty adviser. An unclassified student may elect courses for which he is qualified in any division of the University, subject to the usual limitations on enrollment.

A student registered in the Division may apply for admission to any undergraduate college or school of the University.

Registration in the Division is on a semester basis. One semester is usually a sufficient period in which to determine a student's fitness for the newly chosen course. A second term of registration may be permitted in a few instances in which definite progress has been made and when more time is necessary to meet basic requirements for transfer. If at the end of two terms the student has not been accepted by another school or college on the campus, he may not reregister in the Division of Unclassified Students.

The Administrative Committee of the Division has the same authority with respect to its students as have the corresponding committees in the other divisions of the University. Students in the Division are regular students in the University; they may participate in extracurricular activities and enjoy all the usual rights and privileges of other students.

AFRICANA STUDIES AND RESEARCH CENTER

Among the basic commitments of the Africana Studies and Research Center at Cornell is the determination to foster a new understanding of the past, present, and future condition of peoples of African descent. Seen as a community of scholars whose numbers include both teachers and students, the Center places strong emphasis on research and effective and innovative teaching in terms of structure, use, method, and content.

The undergraduate major in Africana studies is designed to give students the foundation to become teachers and research scholars as well as professional technicians. The program is geared

toward relieving the shortage of persons whose education and training equip them to attack the problems of the African peoples. Thus one goal of the Program is the production of thoroughly prepared and committed professionals who will deal with such problems as a lifetime career. The major in Africana studies requires fifty-six credits of course work within the Center and in related subjects in other areas of the University, out of a total of one hundred and twenty credits required for graduation. Work offered within the Center includes a broad grounding in African heritage, African behavior, African expression and language, and African political thought.

A Master's degree program offering a Master of Professional Studies (African and African-American) has been established at the Center. The purpose of the Program is to prepare students for professional careers that are relevant to the learning and leadership needs of the African-American community. Under the Program, it is envisioned that the knowledge and methodology of various fields and disciplines will be brought to bear upon the history, present state, and dynamics of Black peoples and cultures in Africa, the Americas, and the Caribbean.

Requests for additional information about the Center and its programs should be addressed to the Office of the Director, Africana Studies and Research Center, Cornell University, 310 Trip-hammer Road, Ithaca, New York 14850.

PROGRAM ON SCIENCE, TECHNOLOGY, AND SOCIETY

The purpose of the interdisciplinary Program on Science, Technology, and Society is to stimulate teaching and research on the interaction of science and technology with contemporary society. The Program is initiating a number of research and teaching efforts and also plays a role in providing coherence and support for related activities already under way at the University.

The topics of concern to the Program are illustrated by the following examples: science, technology and national defense; world population and food resources; legal and moral implications of modern biology and medicine; national policy for the development of science; sociology of science; and the ecological impact of developing technology.

The mechanisms for studying these problems varies and includes courses, seminars, short workshops, and summer studies, as well as individual research programs. The Program welcomes the participation of students and faculty from all colleges and schools of the University. A list of relevant courses in all parts of the Uni-

versity may be obtained from the Program office, 628 Clark Hall (telephone 607/256-3810).

OFFICER EDUCATION

As a land-grant institution chartered under the Morrill Act of 1862, Cornell has offered instruction in military science for more than ninety years. It provides this instruction through the Reserve Officers Training Corps programs of the three military departments: the Army, the Navy, and the Air Force.

The ROTC programs offer a male student the opportunity to earn a commission while he is completing his education, thus enabling him to fulfill his military commitment as an officer and become qualified for a career in the service of his choice. To obtain a commission in one of the armed services, a student must meet certain physical standards and must complete the required course of study in an ROTC program (two-year or four-year course for the Army and Air Force; three-year or four-year course for the Navy). Upon graduation he receives a commission and serves a required tour of active military service.

Participation in ROTC is voluntary. Interested students should preferably enroll in the fall of the freshman year since openings in the two-year program may be restricted, depending on conditions at a particular time.

Further information is given in the *Announcement of Officer Education*, which may be obtained by writing to Cornell University Announcements, Day Hall, Ithaca, New York 14850.

ADMISSION TO CORNELL

The first step toward entering an undergraduate college or school is to write to the University Office of Admissions, Day Hall, for an application form. Correspondence regarding entrance to the Graduate School, the Law School, the Medical College, the School of Nursing, the Graduate School of Nutrition, the Graduate School of Business and Public Administration, and the Graduate School of Aerospace Engineering should be addressed to the heads of those divisions.

GENERAL ADMISSION POLICY

Of Cornell University's sixteen colleges and schools, eight offer instruction at the undergraduate level. They are: Agriculture;

Architecture, Art, and Planning; Arts and Sciences; Engineering; Hotel Administration; Human Ecology; Industrial and Labor Relations; and Veterinary. Each of these divisions is limited in the number of students it can accommodate. The number of applicants with minimum qualifications exceeds the number that can be admitted, and that creates a highly competitive situation among candidates. Selected each year are those who, in competition with others seeking admission at the same time, have best demonstrated by their superior qualifications that they deserve acceptance. It should be clearly understood that each candidate may apply to only one division at one time and competes only with those seeking entrance to that division of the University. The professional divisions in particular must restrict their selections to those who, having met all other qualifications, appear well fitted for the particular field of work to which the course of study is directed.

Transfer from one division to another after enrollment may be difficult for two reasons: (1) different divisions have different admission requirements, and a student acceptable to one is not necessarily acceptable to another; and (2) students who transfer from a state unit to an endowed unit must pay back the difference in tuition for the credits transferred (see p. 69). Transfer into the College of Arts and Sciences may not be accomplished until one year after matriculation. The selection of the proper division is therefore most important. A candidate should make his choice only after careful thought, investigation, and consultation with those familiar with his abilities and interests. Secondary school advisers should definitely be consulted. The Cornell Office of Admissions, also, is always ready to help prospective applicants.

It is the policy of Cornell University actively to support the American ideal of equality of opportunity for all, and no student shall be denied admission or be otherwise discriminated against because of race, color, creed, religion, or national origin.

Scholarship

As an educational institution, Cornell University is devoted primarily to the intellectual development of its student body. Those selected for admission must have demonstrated, without question, through their previous schooling, the intellectual capacity to carry the classroom work and to profit from the instruction offered in the division of the University to which application is made. Intellectual preparedness for study at Cornell is judged by the candidate's secondary school record, the recommendations of school authorities, and the tests of the College Entrance Examination Board.

Extracurricular Activities

To supplement but not replace the basic requirement of demonstrated intellectual capability, evidence of the candidate's ability to make effective use of his free time is an important consideration in admissions decisions. This factor is judged by the character and quality of the student's participation in the extracurricular activities associated with his school and his community, and by the use he has made of summer vacations. Work experience which is related to the candidate's educational objective is particularly valuable.

Character, Personality, and Motivation

The intangible but important factors which form good character and an effective personality all receive full consideration by the selection committee. Evidence of a sound motivation for attaining higher education in general and for pursuing a specific field of education is also desirable. Capacity for leadership and concern for others receive due weight. Those factors are usually judged by the report from the applicant's secondary school and by interview reports, when available. Some University divisions require interviews, whereas in others the need for an interview is left up to the applicant. Interviews are also conducted by alumni secondary school committees, operating in many sections of the country; such contacts are often helpful in providing the candidate with additional information about Cornell.

Geographical Distribution

Cornell University draws its students from all parts of the United States and about ninety foreign countries. The University is proud of the cosmopolitan and democratic makeup of its student body, believes in the educational values inherent in bringing to the campus persons of widely different backgrounds, and directs its admissions policies to the furtherance of these objectives.

The New York State-supported divisions—the College of Agriculture, the College of Human Ecology, the School of Industrial and Labor Relations, and the Veterinary College—recognize these same values within their student bodies and encourage applications from well qualified out-of-state students. The bulk of their candidates are, however, selected from among applicants resident in New York State.

The endowed divisions—the Colleges of Arts and Sciences; Architecture, Art, and Planning; Engineering; and the School of Hotel Administration—impose no restrictions as to residence. In choos-

ing from among candidates of approximately equal qualifications, some preference may be given to those whose homes are in areas not adequately represented in the student body.

Children of Alumni

The University desires to include in the student body the children of its alumni who are qualified for admission. In choosing between candidates of approximately equal qualifications, including scholarship, extracurricular activities, character, personality, and motivation, as described above, the son or daughter of an alumnus may receive preference.

Committee on Special Educational Projects

Under the program of the Committee on Special Educational Projects (COSEP), consideration is given to the particular problems of minority-group students who otherwise might not be able to attend a college such as Cornell. Since COSEP was organized, hundreds of minority-group applicants, mostly blacks, have been admitted to the University under the program. In addition to arranging financial aid for all students enrolled in the program, COSEP provides full-time counseling on matters ranging from the academic and social to the purely personal.

Additional information about COSEP may be obtained by writing to COSEP Program, Barnes Hall, Cornell University, Ithaca, New York 14850. Inquiries concerning admission to Cornell under the COSEP program should be sent to the Office of Admissions, 247 Day Hall, Cornell University, Ithaca, New York 14850.

ADMISSION PROCEDURE FOR FRESHMAN APPLICANTS

Admission and Financial Aid Applications

The Cornell admission application form furnishes the University with a wide variety of information concerning the candidate, including his academic record and achievements, family background, work experience, and activities. It also includes a special form for those who wish to apply for financial aid. Following submission of his application, the candidate receives from the University additional forms, including the Secondary School Report, which should be taken to the proper school authorities for completion. That official report, relating to the candidate's intellectual ability, character, and academic record, will be submitted directly to Cornell by the school.

Cornell does not require teacher recommendations for freshman candidates and does not include in the application packet forms for this purpose.

General Requirements

A candidate for admission as freshman must satisfactorily complete secondary school subjects carrying a value of at least sixteen entrance units, except that those applying to the College of Human Ecology are required to have eighteen units. The subjects in which these units may be offered, the number of units that may be credited in each subject, and the units required in specific subjects by the several divisions of the University are listed in detail on pp. 37-43. Those pages should be carefully studied by every prospective student.

To enter Cornell, a student must be at least sixteen years old and have a satisfactory knowledge of the subjects required for admission. That knowledge may be demonstrated in two ways: by presenting an acceptable school record, and by presenting acceptable ratings in tests given by the College Entrance Examination Board as specified in consultation with the Cornell Office of Admissions.

Application Due Dates

Applications for admission and financial aid in September 1972 must be submitted by the following dates:

January 15

Agriculture

Architecture, Art, and Planning

Arts and Sciences

Human Ecology

Industrial and Labor Relations

Veterinary

February 15

Engineering

Hotel Administration

Assembling complete records for all candidates takes considerable time, and the careful review of applications is a long, detailed process. The application due dates have been set to provide adequate time to process and review applications. (See also the section Financial Aid, pp. 47-48.)

Early Decision

All divisions of Cornell that admit students directly after their high school graduation (except the College of Architecture, Art,



The new North Campus residential complex.

and Planning; the College of Human Ecology; and the School of Industrial and Labor Relations) offer an Early Decision Plan to a limited number of highly qualified high school seniors. The Plan is open to both men and women. Students interested in the plan submit their applications to Cornell by November 1 of their senior year, and they are notified of the University's decision, including financial aid, by December 1. Only those students whose choice of college is clearly Cornell, and whose past academic performance, scores on the junior-year Scholastic Aptitude Test of the College Entrance Examination Board, personal qualities, and school recommendations are all superior are likely to qualify for favorable consideration. All qualified candidates should write to the University Office of Admissions for additional information about this program.

Early Admission

Each year a few students request consideration for admission after only three years of secondary school. Some of these students receive a high school diploma by completing all requirements in three years; others leave school lacking one or a few credits. Admissions Committees will give serious consideration to those applicants who have exhausted the offerings of their secondary schools and who, in addition, give a clear indication of a level of maturity sufficient to make early college entrance desirable and appropriate. Those students who have the opportunity to take advanced, accelerated, or college-level courses during their fourth year in secondary school are usually encouraged to do so unless this action would inhibit the development of some academic strength.

Since there is variation from one Cornell division to another regarding early admission, a student applying for this is encouraged to write to the college of his choice at Cornell or to make an appointment for an on-campus interview to discuss his plans and reasons for entering early.

Interviews

Admissions interviews are *required* by four divisions of the University—the College of Architecture, Art, and Planning; the School of Hotel Administration; the School of Industrial and Labor Relations; and the Veterinary College. Students should consult the *Announcements* of these divisions *before* requesting admissions interviews.

Interviews for the College of Agriculture may be scheduled on weekdays from 10:00 a.m. to 12:00 noon and 2:00 p.m. to 4:00 p.m.

On-campus interviews cannot be scheduled from February 1 through April 1. Saturday interviews are not available.

The College of Arts and Sciences offers two alternatives for meeting with representatives of the College. On Saturdays from 9:30 a.m. to 10:30 a.m., except during July and August, an Admissions Seminar is held to accommodate everyone who wishes to visit the campus on weekends. Personal conferences may be scheduled on Monday through Friday from 10:00 a.m. to 12:00 noon and 2:00 p.m. to 4:00 p.m. The Admissions Seminar and personal conferences are not available from February 1 through April 1. Students may write to the Office of Admissions, 247 Day Hall, for the leaflet entitled *College of Arts and Sciences Interviewing Procedures* which explains the seminar and the personal conference.

The College of Engineering urges students to visit the campus for an interview if possible. Students interested in the College may request interviews weekdays from 10:00 a.m. to 12:00 noon and 2:00 p.m. to 4:00 p.m. on a year-round basis (except holidays). Saturday interviews are available from 9:00 a.m. to 12:00 noon except during July and August when there are no Saturday interviews.

Group sessions for students interested in Human Ecology are scheduled weekdays at 10:30 a.m. and at 3:00 p.m. throughout the year except from February 1 through mid-April and holidays. Saturday sessions are discouraged but may be arranged at 10:00 a.m. if no other time is convenient.

Those planning to come to the campus for interviews are requested to write to the Appointment Secretary, Admissions Office, 247 Day Hall, *being sure to specify the college of their interest* and the preferred date and time of their visit. To facilitate scheduling, requests must be made *at least two weeks* prior to the intended visit, except during the heavy interviewing season (August–December) when two weeks may not allow sufficient time. Students planning to attend the Arts and Sciences Admissions Seminar are requested to inform the Appointment Secretary when they will be present.

Selection Process and Notification

Admission to each separate division of Cornell University is based on a careful review of all credentials presented on behalf of a candidate and is on a competitive basis. A committee in the school or college to which the candidate has applied selects those it considers best qualified from among all who have applied for that division.

Three divisions of the University—the Colleges of Agriculture and Engineering, and the School of Hotel Administration—follow

a policy of "rolling admissions." Decisions are reported to applicants over a period of time, with some letters going out as early as February 1, but the great bulk of them during March and the first half of April. The selection committee in each of these divisions will have a large number of applications to review, and the fact that some applicants will hear from Cornell considerably later than others is likely to mean simply that consideration of their applications has been delayed by the time-consuming nature of the process. In short, one should not infer that relatively late notification has anything to do with how Cornell regards the quality of the applicant.

Applicants for the Colleges of Architecture, Art, and Planning; Arts and Sciences; Human Ecology; and the School of Industrial and Labor Relations are all advised of the outcome at the same time. Notices are mailed about mid-April. Applicants for the Veterinary College are all notified at the same time. Notices are mailed no earlier than May 1.

Most financial aid notification announcements are also mailed about mid-April to candidates for all divisions, except Veterinary which notifies applicants at a later date.

Every candidate for admission to an undergraduate course who receives notice of approval of his application must pay a registration fee (see the section Other Fees and Deposits on p. 69). Each such candidate will be advised of the due date of this fee at the time an approval notice is sent to him. The registration fee covers matriculation charges and certain graduation expenses, and establishes a fund for undergraduate and alumni class activities.

If a candidate withdraws before the due date of his registration fee, the fee will be refunded. No refund will be made to an applicant who withdraws after the due date of the fee; in such case the whole fee will be retained by the University in payment of its costs and intangible losses resulting from the withdrawal.

SUBJECT AND TEST REQUIREMENTS

Agriculture, B.S., four years

Sixteen units representing completion of a secondary school course, which must include four units of English and three units of college preparatory mathematics, are required. It is strongly recommended that high school students carry enough courses to offer eighteen entrance units and that these include biology, chemistry, physics, and at least three and one-half units in mathematics.

The Scholastic Aptitude Test of the College Entrance Exam-

ination Board is also required. Applicants are encouraged to complete College Board Achievement Tests in two of the following: English composition, mathematics, science.

Agricultural Engineering, B.S.

Applicants for this professional engineering program must satisfy the entrance requirements of both the College of Agriculture (above) and the College of Engineering (p. 41). For the first three years the student is registered in the College of Agriculture and for the fourth year in the College of Engineering. The student seeking the degree Master of Engineering (Agricultural) will also enroll for the fifth year in the College of Engineering.

Architecture, Art, and Planning, B.Arch., five years; B.F.A., four years

All candidates for admission to the Departments of Architecture and Art must take the Scholastic Aptitude Test of the College Entrance Examination Board.

Three years of a foreign language, ancient or modern, are required for entrance. Candidates who have fewer than three years of preparation in a foreign language, but who make satisfactory scores on the Achievement Test, will meet the requirement. When the required language credit is not offered for admission, a letter of explanation of this deficiency must be sent to the Committee on Admissions for its consideration. If the applicant is admitted, the language requirement must be satisfied before graduation. If an applicant plans to continue, in college, the study of a language he has already begun, the College advises him to take the College Entrance Examination Board Achievement Test in that language, for placement in the proper course. Three college credits in a language are considered, for the purpose of making up the entrance requirement while in college, to be equivalent to one year of high school language credit.

Candidates for admission to the Department of Architecture must demonstrate satisfactory knowledge of these subjects:

ARCHITECTURE (B. ARCH.) Candidates for admission to the Department of Architecture must present sixteen units including four units of English, four units of mathematics, three units of a foreign language (see above).

Mathematics must include intermediate algebra, plane geometry, and trigonometry, taken either as separate courses or included within comprehensive mathematics courses.

An acceptable course in physics, taken either in secondary school or in college, is required for graduation.

The program in architecture is purely professional in objective. Only those who are seriously interested in careers in architecture should make application for admission. Every candidate for admission is advised to read professional literature, visit professional offices, talk with students of architecture or recent graduates, and otherwise inform himself about the field. It is usually wise to resolve serious doubts in favor of starting with a program of general education.

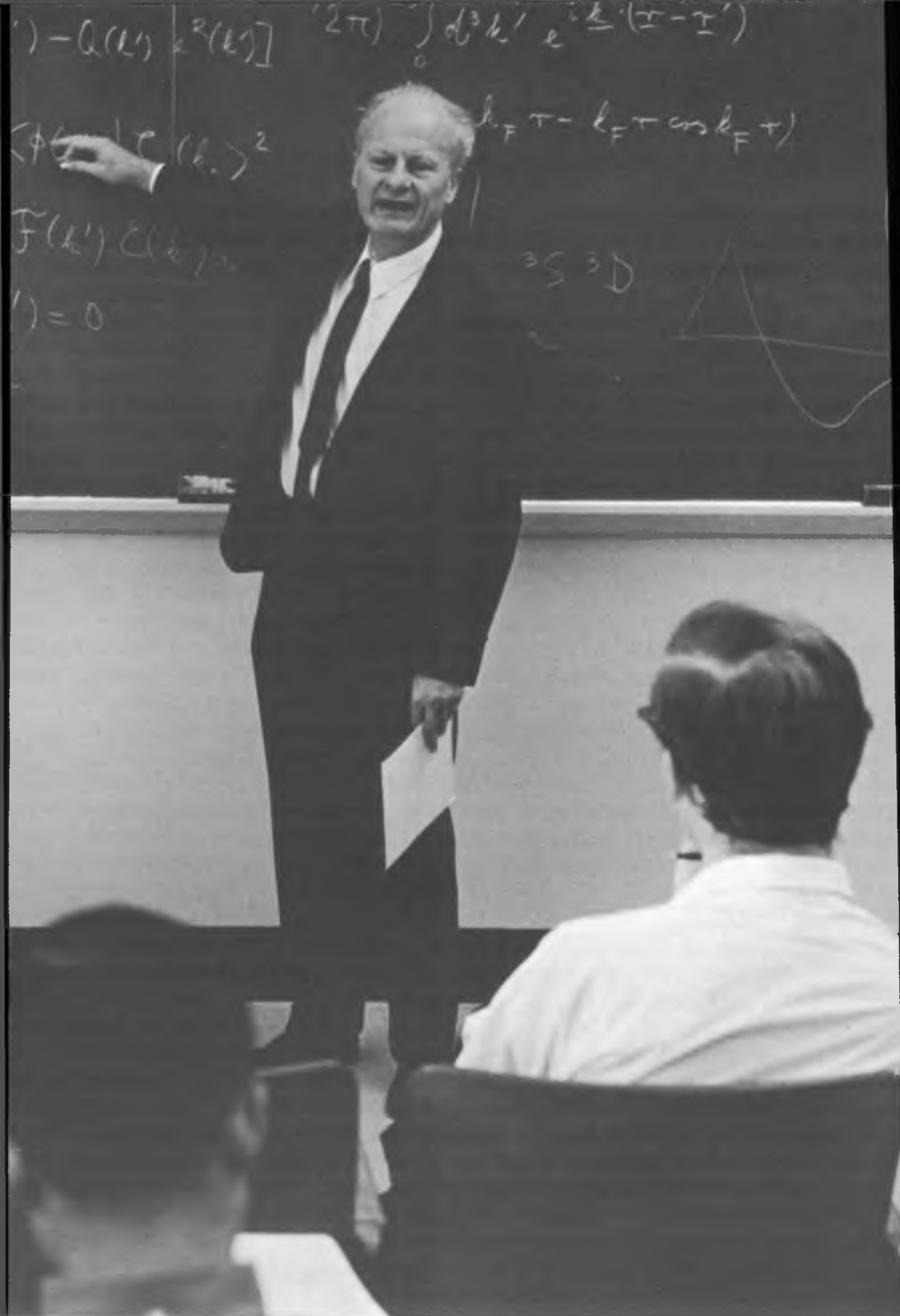
ART (B.F.A.) Candidates for admission to the Department of Art must present sixteen units including four units of English, two units of college preparatory mathematics, three units of a foreign language (see above). Remaining units should, in the main, consist of science and social studies (including history).

The program in art is preprofessional in objective. Those who are seriously interested in careers in painting, sculpture, or the graphic arts, are the most logical candidates. Every candidate for admission is advised, where possible, to read literature of a critical and art-historical nature, to visit museums and galleries, and to otherwise inform himself about the field of art. Art work done by the applicant, or slides thereof, should be presented at the time of the interview. Examples of class assignments, or independent work, or both, are acceptable.

Arts and Sciences, A.B., four years

An applicant must have completed a secondary school course giving satisfactory preparation for the work of the College. Sixteen units of entrance credit are required: four years of English; three years of college-preparatory mathematics;* and three years of one foreign language, ancient or modern. (Foreign language preparation is particularly important in this College. Although a student who can offer only two years or less of a foreign language, but who has a school record of otherwise high quality, should not hesitate to apply, he should attach a letter to his application form explaining his deficiency.) The remaining units should be chosen from laboratory science, social studies, and further work in mathematics and foreign language. Whenever possible, these sixteen units should be supplemented by courses in similar academic subjects. Exceptions to these requirements

* The increasing need for mathematics in the social, biological, and physical sciences makes it desirable for students interested in those areas to be prepared to take a calculus course upon entering the College; such students should have studied advanced algebra and trigonometry during their secondary school years.



Hans A. Bethe, holder of the John Wendell Anderson Professorship, won a Nobel Prize in Physics for his theories on energy production in the stars.

may be granted when the applicant's record is unusually promising. For example, students whose interests and academic and extracurricular achievements are in the fields of the creative and performing arts should not hesitate to apply because they have not taken a standard academic curriculum. Demonstrated unusual strengths in one area may offset weaknesses in another.

Each candidate for freshman admission is required to take the College Board Scholastic Aptitude Test and either the College Board Achievement Test in English composition or the College Board Literature Test no later than the January test date during his senior year.

Although *not required for admissions consideration* a College Board Achievement Test should be taken, prior to entering Cornell, in any language which the student has had in high school and expects to continue at Cornell. Because such a language test score is needed for *placement in language courses*, the test should be taken late in the senior year—in March, May, or even July.

The College of Arts and Sciences has a substantial language requirement for its degree. If a student will be entering with two or more years of some language which he wishes to use toward fulfilling this requirement, he should also take the Achievement Test in that language even though he does not plan to continue it in college. This score will determine whether in the tested language he has met part of the requirement for graduation. See the *Announcement of the College of Arts and Sciences* for further details.

Engineering

A two-year Basic Program is followed by two years leading to a Bachelor of Science degree. Most students proceed to some type of graduate study. The most popular is the one-year program leading to the professional Master's degree in an appropriate field. Other choices include Master of Science or Doctor of Philosophy degrees for those interested in research and teaching, or other professional schools including law, business administration, and medicine.

Sixteen units are required at the secondary school level including English, four units; one foreign language, two units; history, two units; elementary and intermediate algebra, two units; plane geometry, one unit; trigonometry, one-half unit; either advanced algebra, one-half unit, or solid geometry, one-half unit; chemistry, one unit; and physics, one unit. It is recommended that the candidate offer advanced algebra, if possible, and that at least three of the elective units offered be in further study in language or history. The mathematics units listed above may be taken as separate courses or may be included in four units of comprehensive

college preparatory mathematics. The Scholastic Aptitude Test of the College Entrance Examination Board is required.

All candidates must take, no later than January of the senior year, the College Entrance Examination Board Achievement Test in mathematics (either Level I or Level II), and in chemistry or physics. The Achievement Test in physics or chemistry is best taken at the end of the junior year. However, many students take this test in December or January of the senior year when they have had only one-half year of the subject or have not taken the subject since the junior year. *An applicant should not delay his achievement tests—chemistry, physics, or mathematics—beyond the January testing date because of this circumstance.* Results are evaluated on the basis of the amount of work experienced, and no absolute passing grade is used. Applicants seeking advanced placement for college credit should take the College Board Advanced Placement Examination in mathematics in May of the senior year.

Human Ecology, B.S., four years

Applicants must offer eighteen college entrance units; at least sixteen of these units must be in academic areas including English, foreign language, history or social studies, mathematics, and science. In fulfilling the sixteen academic units, a student must include four units of English, one unit of biology, three units of mathematics, and one unit of either chemistry or physics. The remaining two units of the required eighteen may be in any subject in which the high school gives credit.

The Scholastic Aptitude Test (SAT) of the College Entrance Examination Board is required. Achievement Tests of the College Entrance Examination Board are not required, but if achievement test scores are received, they are taken into account by the selection committee.

Hotel Administration, B.S., four years

Sixteen units are required. These must include English, four units; mathematics, three units; and science, one unit (chemistry required). The remaining units should include additional mathematics and sciences (especially physics), social studies (including history), and a foreign language. The Scholastic Aptitude Test of the College Entrance Examination Board is required of all students whose native tongue is English; students whose native tongue is not English are not required to take the examinations unless they are applying for financial aid.

Industrial and Labor Relations, B.S., four years

Sixteen units, including four units of English are required. The remaining twelve units should consist of college preparatory courses such as foreign language (ancient or modern), history, mathematics, science, and social studies. The Scholastic Aptitude Test of the College Entrance Examination Board is required. Candidates are also required to present results of College Board Achievement Tests in English composition and in mathematics (Level I or Level II). In addition, each applicant is required to submit with his application a 500-word statement (preferably typewritten), indicating the basis for his interest in the field of industrial and labor relations.

Veterinary Medicine, D.V.M., four years

Successful completion of three years' study in a college or university, approved by its regional accrediting association, is the minimum time requirement for admission to the New York State Veterinary College. The prerequisites for admission must include six hours each of biology or zoology, English, modern college mathematics, and physics; sixteen hours of chemistry which must include organic chemistry with laboratory, and four hours of biochemistry; three hours of general microbiology, three hours of genetics, and three hours of basic nutrition if available. The Veterinary Aptitude Test is required. Candidates are also required to fulfill the Animal Practice Requirement.

ENTRANCE UNIT CREDIT

In the previous section, Subject and Test Requirements, on p. 37, the number of entrance units for each Cornell division is prescribed, with some subjects either recommended or definitely required. To be eligible for consideration by the selection committee, a candidate must demonstrate satisfactory knowledge of the subjects required; the secondary school record is usually the principal factor in determining this eligibility.

Entrance unit credit will normally be granted only in those subjects in which the candidate attains the passing mark of the secondary school, except in a sequence course such as English or a language, in which case credit for the full sequence will depend upon attaining the passing mark of the school in the final year of the sequence.

NEW YORK STATE REGENTS EXAMINATIONS

The Regents Examinations, prepared by the New York State Education Department, are not required by any division of the Uni-

versity. They are particularly desired, however, of applicants from New York State who are candidates for admission to the College of Agriculture or the School of Industrial and Labor Relations, and they are useful in the evaluation of candidates for the other divisions as well.

ADVANCED PLACEMENT FOR ENTERING FRESHMEN

Prospective entering freshmen who have taken college-level courses in secondary school or in a summer or academic-year college program have the opportunity to qualify for advanced placement (and often for advanced standing credit) in many areas of study.

In general, those who wish to be considered for advanced placement or credit should plan to take the appropriate Advanced Placement Examination(s) of the College Entrance Examination Board in May. Some departments offer their own examinations at entrance, however, as an alternative or supplementary method of seeking advanced placement or credit.

A leaflet describing advanced placement is available from the Office of Admissions.

COLLEGE ENTRANCE EXAMINATION BOARD TESTS

College Board test requirements are listed specifically for freshman candidates in the section Subject and Test Requirements, pp. 37-43.

Candidates are urged to take the College Board tests in December, but no later than January in any case, for fall entrance. They must request the College Entrance Examination Board to send the official score report to Cornell University. Scores reported on school transcripts or in other ways are not acceptable.

Candidates may make application for these tests either through their schools or by writing directly to the College Entrance Examination Board at Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

ADMISSION OF TRANSFER STUDENTS

Students who have attended another college or university may apply for transfer to any of the undergraduate divisions at Cornell. Because the requirements vary from one division to another, prospective transfers are requested to consult the transfer sections in the appropriate college Announcements. A leaflet entitled *Transfer to Cornell University* is available from the Office of Admissions. This contains complete instructions and will be

mailed to each candidate when the transfer application is received. If possible, however, a prospective transfer should read this before submitting his application.

Transfer applications are available from the Office of Admissions and must be returned by one of the following dates for transfer in September, 1972:

January 15	Architecture, Art, and Planning Human Ecology Veterinary
February 15	Hotel Administration
March 15	Arts and Sciences
April 15	Agriculture Engineering Industrial and Labor Relations

All divisions except Architecture, Art, and Planning and Veterinary consider applications also for the spring term. The deadline for filing spring term applications is December 1 for all divisions except Arts and Sciences and Human Ecology for which the deadline is November 1.

Each applicant will be asked to furnish supplementary information including secondary school academic credentials. A standard secondary school report form will be sent to the applicant for transmittal to his high school. The School of Industrial and Labor Relations requires also an interview and a 500-word essay.

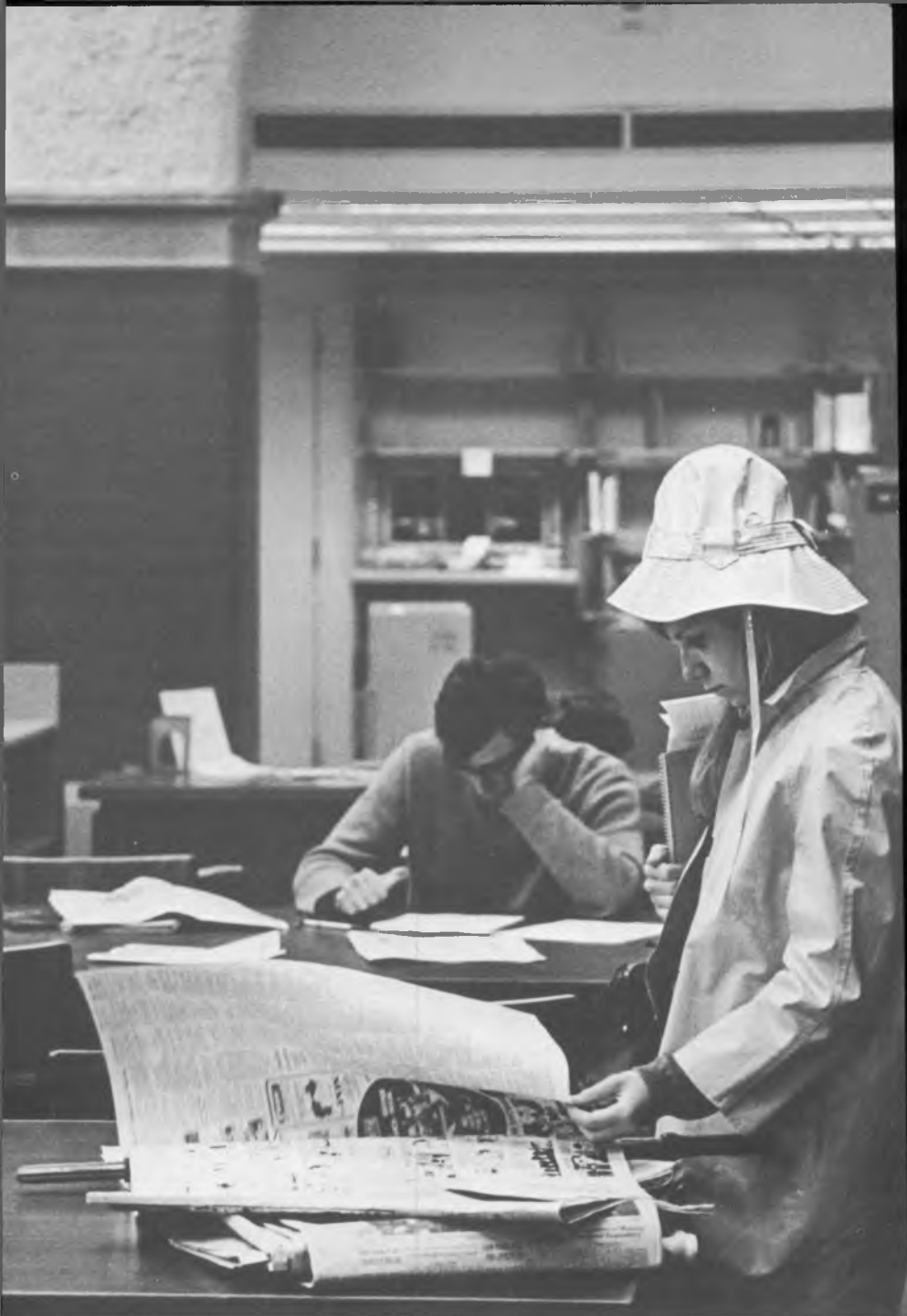
Transfer applicants should also be prepared to furnish transcripts of all work completed at the college level. For students wishing to be admitted in *September*, the transcript should include work taken the prior fall term plus a listing of courses being taken during the spring term. For students wishing to be admitted in *January (spring term)*, the transcript should include work taken through and including the previous summer, plus a listing of courses being taken during the fall term.

An admitted transfer student will be required to submit a transcript of *all* college work completed prior to entrance.

College Entrance Examination Board test requirements are outlined in the leaflet *Transfer to Cornell University*.

Although students from community college and other two-year college programs may apply to any division of the University, the Colleges of Agriculture, Arts and Sciences, Engineering, Human Ecology, and the School of Industrial and Labor Relations particularly encourage applicants from these programs. Students should write to the chairmen of the admissions committees of these divisions for information pertaining to admissions procedures, financial aid, and advanced standing.

Because of the competitive nature of transfer admission in the College of Arts and Sciences, serious consideration can be given



Library browsing on a rainy day.

only to the applications of students of exceptional promise. High scholarship, superior personal qualifications, and impelling reasons for transferring will weigh heavily in the selection. Candidates for sophomore standing should have taken freshman programs consisting of courses similar to those in the College of Arts and Sciences and permitting easy integration with the undergraduate curriculum. Candidates for junior standing will be expected to have fulfilled most of the language and Distribution requirements of the College and to have met the prerequisites of the intended major. Candidates for second-semester freshman status are not eligible for spring term admission.

Each college admits a limited number of special or nondegree students. For information, refer to the *Announcements* of the individual colleges.

FINANCIAL AID

Most students plan to finance their education through a combination of savings, help from home, and summer earnings. The section on expenses (pp. 68-73) should be examined carefully. An entering freshman who needs supplementary funds should have clearly in mind the additional amount needed in his particular case.

Academic ability as indicated by the candidate's secondary school credentials, and by test scores of the College Entrance Examination Board, is of primary importance in the selection of financial aid winners. In many cases, extracurricular achievement and promise of leadership are important. Although recipients of financial aid are selected on those criteria, the *total amount awarded* is based on remaining need once an appropriate expectation from student, family, and other resources has been deducted from the student's anticipated budget.

A typical award involves part scholarship plus loan and/or job help. The trend is toward such package awards, although candidates with exceptionally strong qualifications are likely to have a better scholarship-loan ratio in their award.

Scholarships offered to freshmen vary in value, depending on the winners' need and promise. University loans are limited to \$1,400 a year, National Defense Student loans are limited to \$1,000 per academic year, and job opportunities vary in value from \$300 to \$600 a year. Virtually all awards may be held for the normal period of years required for an undergraduate degree, with continued financial need and satisfactory academic progress.

New York State candidates interested in the New York State Regents scholarship program should apply to local school author-

ities or to the Commissioner of Education, Albany, New York 12201, for details. Winners are not exempt from any of the rules governing admission to the University; they should therefore apply for admission at the normal time and should be prepared to satisfy the regular entrance requirements.

APPLICATIONS FOR FINANCIAL AID. A financial aid application is attached to each application for admission. It is to be completed (and left attached) by each candidate who wishes to be considered for financial assistance (scholarships, loans, jobs). In addition, a College Scholarship Service Parents' Confidential Statement (forms obtainable from secondary schools) should reach Cornell at about the same time as the application for admission and the application for financial aid. The Parents' Confidential Statement should be sent to Princeton, New Jersey, no later than January 1 to allow for processing time. *If a candidate applies for financial aid after January 15, he will be at a serious disadvantage because of the nature of the financial aid selection process.*

HOUSING

RESIDENCE HALLS

The University provides a variety of residence halls accommodating approximately 5,200 students. These halls are located on both the North Campus and the West Campus, areas so designated because of their geographical relationship to the Fall Creek gorge.

The West Campus is situated west of Willard Straight Hall, about a five-minute walk down the hill from the heart of the campus. The buildings lie on a fifteen-acre plot overlooking Cayuga Lake to the north and the valley to the south.

The Baker complex, English collegiate Gothic in design, accommodates about 555 students. Within this complex freshmen and upperclassmen are housed in Mennen, Lyon, and McFaddin Halls. The remainder of the complex, Boldt Tower, Boldt Hall, Baker Tower, North Baker Hall, South Baker Hall, and Founders Hall, houses freshmen and upperclass women.

University Halls is composed of six separate units, each housing about 225 freshman men. Completed in 1954, each unit contains a lounge for study on every floor and separate social lounges for recreation.

The Agnes and Jansen Noyes Center is located between two of the University Halls units. Serving as a focal point of activity for residents of the area, this building, completed in 1967, provides dining services, lounges, recreational facilities, study areas, and meeting, typing, and music rooms.

The North Campus buildings, which accommodate about 2,700 men and women, are a blend of the old and the new.

The oldest, Prudence Risley Hall, was opened in 1913. With a capacity of about 192 students, it serves as a residential college housing upperclass and graduate students who have a special interest in the creative and performing arts.

Located across the street from Risley Hall are the Balch Halls, which were built in 1929. These four connecting halls accommodate 355 women. The structure with its featured archway is built of native stone in the English collegiate Gothic style.

Clara Dickson Hall, completed in 1946, accommodates 450 students. It consists of two main divisions. Unit V houses upperclass and freshman women and Unit VI upperclass and freshman men.

Mary Donlon Hall was named for the Honorable Mary H. Donlon, graduate of the Cornell Law School, former judge of the United States Customs Court in New York City, and a trustee emeritus of the Cornell University Board of Trustees. A residence for 475 women since its completion in 1961, the building will house both men and women students for the coming academic year.

Comstock Hall, located across the street from Risley, is composed of two small units, each housing about forty upperclass students. Rooms are arranged in suites for three or four persons.

The North Campus Student Residences, a group of new halls, are located north and east of Mary Donlon Hall. The complex includes five low-rise buildings that house 720 students and two high-rise towers with space for 180 students in each tower. The buildings are physically divided into primary units, with each unit composed of six suites plus a small kitchenette, a living room, and a study room. Each suite accommodates six persons in two doubles and two singles; a bathroom, telephone alcove, and storage closet are also a part of each suite. In addition to the commons areas in each unit of thirty-six students, the center core of each house contains a lounge with a fireplace, laundry facilities, a typing room, and an apartment for a resident couple.

Scheduled for completion by September 1971 is the North Campus Union, one of the three unions on the campus. Located between the two high-rise houses, the building contains recreational facilities, dining services, a craft room, store, mail distribution center, and lounge areas.

In addition to the larger halls there are five small units located in the North Campus area which provide an opportunity for cooperative living arrangements. About one hundred upperclass students can be housed in these units.

During their first year, all freshman men and women must live

in University residence halls. Present indications are that, effective in the fall of 1972, sophomore students may also be required to live in University housing facilities. Beyond the freshman or sophomore year, as the case may be, students are free to choose between privately owned off-campus housing or University residences.

Students transferring from other colleges or universities are not subject to a residence requirement unless they are classified as sophomores in September 1972. Entering transfers should note that acceptance by the University does not necessarily guarantee the availability of on-campus housing.

Freshmen who are married, who are twenty-one years of age, or who reside with their parents within commuting distance of the campus may request exemption from the residence requirement by writing to the Office of the Dean of Students, Cornell University, Ithaca, New York 14850. Requests for exemption on the basis of other special circumstances should also be made in writing to that Office.

Application forms for University residence halls will be mailed automatically by the Office of Admissions to each candidate for admission as a freshman or transfer student at the time of notification of provisional acceptance to the University.

Graduate Students

The University has two residence halls especially for graduate students. The Sage Graduate Center accommodates 190 men and women; Cascadilla Hall houses 155 men and women. The dining service in the Sage Graduate Center is available to all graduate students and faculty. Graduate students who wish to apply for housing should write to the Housing Services Office, 223 Day Hall, when their plans to enter the University are complete.

Law Students

In September 1963, the Charles Evans Hughes Law Residence Center was opened. Connected to Myron Taylor Hall, which houses the Law School, the Center has facilities for about 118 single law students. Dining facilities are also located in the building. Matriculating law students will receive an application form with their acceptance letter from the Law School.

Married Student Housing

Unfurnished apartments for 420 married students and their families are provided by Cornell in the Cornell Quarters (81 apart-

ments), Pleasant Grove (94 apartments), and Hasbrouck (245 apartments). Inquiries for further information should be directed to the Hasbrouck Housing Office, Pleasant Grove Road, Ithaca, New York 14850.

OFF-CAMPUS HOUSING

Information on housing that is currently available is posted on a board at the Housing Services Office, 223 Day Hall. Because changes of available accommodations occur daily, it is not practical to prepare lists. If possible, a student should make at least one trip to Ithaca to look over the available apartments and houses before he plans to take up residence.

DETAILED INFORMATION on all types of housing for students may be obtained by writing to the Housing Services Office, 223 Day Hall, Ithaca, New York 14850.

DINING FACILITIES

Cornell has no formal dining requirements for its students; they may eat where, when, and what they choose whether or not they live in University residence halls. The University maintains a number of public dining units in various convenient places on the campus.

Optional dining plans are offered for students who may wish to prepay some of their board costs rather than pay cash for each meal. The plans are designed to be flexible, taking into account students' habits and schedules as well as convenience and economics. Details of dining arrangements are described in *A Guide to Campus Dining*, which will be mailed with room assignments.

OFFICE OF THE DEAN OF STUDENTS

The University, through the Office of the Dean of Students, maintains a staff of counselors and advisers who are available at all times to assist students in both individual and group activities. This staff is prepared to help students with the routine problems that arise in the normal course of campus life and also with more personal individual problems. Referrals may be made to the other professionally trained members of the University and college staffs who are best qualified to be of specialized assistance for particular problems. Responsible adult and student resident advisers who live in the various residence halls and small housing units as members of the staff of the Office of the Dean of Students are also readily available to assist students.

The Office's staff is closely associated, in an advisory capacity, with student government organizations, fraternities, sororities, and many extracurricular activity groups. Assistance in planning the orientation of new students to campus life—academically, socially, and in the realm of extracurricular activities—is an important concern of the Office's staff.

Staff members of the several colleges within the University also give special attention to the orientation of their students and provide counselors and advisers to assist their students in all matters connected with courses of study and academic pursuits.

SPECIALIZED STUDENT SERVICES

Career, summer plans, and placement center, p. 53.

Educational and vocational guidance, see below.

Financial aid (term-time employment, scholarships, loans), p. 47.

Housing and dining facilities, p. 48.

Health services (medical, mental health, insurance), p. 62.

Libraries, p. 56.

Reading-study center, see below.

Religious affairs, p. 53.

Student unions, p. 57.

EDUCATIONAL AND VOCATIONAL GUIDANCE

Educational and vocational counseling begins in the separate colleges and schools. Each undergraduate is assigned a faculty adviser who will help him in the selection of courses which will give him the best preparation in his chosen field.

Students desiring assistance in the diagnosis of academic problems, selection of a curriculum, or determination of vocational goals may be referred to the University Guidance and Testing Center, 203 Barnes Hall, for an intensive program of testing and counseling.

READING-STUDY CENTER

The Reading-Study Center offers all students the opportunity to acquire and to improve the reading and study skills that are essential for academic success. Each semester, numerous sections of three- and seven-week noncredit courses in reading and study skills are offered. The staff of the Center also assists individual students with their specific academic problems.

The content of the lectures includes the following general

areas: organization and effective use of time, reading textbooks and supplementary materials with efficiency and with improved comprehension, making notations and taking notes on reading assignments, recording and remembering lecture notes, preparing for and taking examinations, and improving the research skills required for papers and reports.

Instruction in the techniques of speed reading is also offered at the Center. Although this skill has extremely limited application when reading academic assignments, some students may wish to acquire it for the reading of newspapers, magazines, and light fiction.

CAREER, SUMMER PLANS, AND PLACEMENT CENTER

The Career, Summer Plans, and Placement Center, 14 East Avenue, serves as an information center for careers, employment opportunities, teacher placement and fellowships, as well as summer opportunities which include work, study, travel, and service projects. This office serves as a clearing house for jobs in business, industry, and teaching. Applications for the Graduate Record Examination, law and business board examinations, among others, are on file here. Recruiters from graduate schools and employing organizations visit the campus every year, and arrangements are made through the Career Center. The students and faculty may keep up to date on the Center's activities by registering to receive a monthly newsletter of the Center's activities. The Center also operates an alumni placement service.

FOREIGN STUDENTS

The University maintains an International Student Office, and foreign students are invited to write to that Office for any information they may need, or to consult the staff about any problems they may have.

Foreign students are requested to report to the International Student Office, 200 Barnes Hall, when they arrive at Cornell.

RELIGIOUS AFFAIRS

"Freedom for all; domination by none" is the guiding principle under which religious affairs have flourished at Cornell since 1869. Anabel Taylor Hall provides office and meeting facilities for



The University Senate in session
in Kaufmann Auditorium.

the religious programs described below. A diverse staff of more than a dozen pastoral counselors and advisers, available day or night for consultation, may be reached through the information office, room 118 (telephone 256-4214). This office also has information concerning worship opportunities in Sage Chapel, Anabel Taylor Hall, and local churches. Anabel Taylor Hall is the headquarters for CIVITAS (Cornell-Ithaca-Volunteers-in-Training-and-Service) through which students provide many services to local and regional community agencies. The Commons, a coffee-house in the building, helps keep open channels of communication between faculty, administration, and students, as they share concerns for a cohesive community.

Three new organizational structures succeed Cornell United Religious Work (CURW) in sharing responsibility for the religious programs at Cornell.

The Office for the Coordination of University Religious Affairs administers and schedules the use of Anabel Taylor Hall by religious and other campus groups, provides information, counseling and referral services, serves as liaison between the Centre and the Council described below, and coordinates and interprets religious affairs at Cornell in cooperation with the University Senate's Subcommittee on Religious Affairs.

The Centre for Religion, Ethics, and Social Policy is a chartered, independent, educational institution which provides opportunities for faculty, students, staff, and religious organizations to investigate and analyze the relationships between belief systems and the development of social policy. Lectures, conferences, seminars, action projects, and publications are used as methods of dealing with religious, ethical, and ideological implications of social policy. The Centre works closely with other programs at Cornell which are similarly concerned with normative questions. It succeeds much of the united nondenominational phase of CURW's program of recent decades.

The Council of Federated Ministries coordinates and extends the interests and concerns of its member religious ministries at Cornell: Catholic, Christian Science, Episcopal, Evangelical, Friends, Jewish, Latter-day Saints, Lutheran, Muslim, Eastern Orthodox, Unitarian-Universalist, United Methodist, and United Ministry (Baptist, Disciples of Christ, United Presbyterian, Reformed, and United Church of Christ). Each ministry is autonomous, developing programs according to its aims, goals, and religious and moral persuasions. The Council provides ongoing opportunity for joint programming and interreligious cooperation.

UNIVERSITY LIBRARIES

The libraries on the Cornell campus are many and varied. They contain more than three and a half million books and provide up-to-date facilities for research and study in countless fields.

The central library, at the south end of the Arts Quadrangle, is comprised of two parts. Uris Library, the building with the tower that has become the symbol of Cornell, contains books and periodical collections planned essentially for undergraduates in the liberal arts. A principal aim of the library is to bring students and books as close together as possible. Bookstacks are open to all readers, with only reserve books in heavy demand held in a special category. There are rooms where students, singly and in groups, may use phonographs and tape recording apparatus, and there is a lecture room with sound and projection facilities.

Across the walk from Uris is the John M. Olin Library, devoted more specifically to graduate and faculty scholarship. This closed-stack library houses many special collections of books and manuscripts, among them Rare Books, a collection on the East and Southeast Asia, and another on the history of science, the University Archives, maps, and newspapers.

The two collections—Uris and Olin libraries—are planned to complement each other in support of the University's program of teaching and scholarship. Besides the central facilities there is an extensive system of libraries which meets the special needs of students enrolled in individual colleges, schools, and departments. Chief among these are the Albert R. Mann Library serving the Colleges of Agriculture and Human Ecology; the Fine Arts Library serving the College of Architecture, Art, and Planning; the libraries of the College of Engineering and the New York State Veterinary College; and the libraries serving the Graduate School of Business and Public Administration, the Law School, the School of Hotel Administration, and the New York State School of Industrial and Labor Relations.

All of the libraries are open long hours, most of them until midnight. Many have special copying services, and some publish handbooks and bibliographies that are distributed without charge.

CAMPUS LIFE

Cornell students have the opportunity of participating in a varied program of activities outside the regular course of study. They will find their college experience enriched if they use that opportunity wisely. If they are interested in student government, athletics, publications, music, dramatics, forensics, social organiza-

tions, or other extracurricular activities, they will find an exceptionally long list from which to choose.

From the few activities that can be described here, the prospective student may get a general idea of what kinds are likely to arouse his interest. He will have plenty of time to decide on the extent of his participation after he has enrolled in the University and has become firmly established in his academic work.

UNIVERSITY UNIONS

There are three unions at Cornell: Willard Straight Hall, which has served student needs since 1925, the Agnes and Jansen Noyes Center, which was opened in the fall of 1967, and the North Campus Union, opening in 1971.

Willard Straight Hall serves as a campus gathering point and a center for social, cultural, and recreational activities for all Cornell students. It has facilities for dances, receptions, and other social gatherings; a theatre; a billiard and game room; a browsing library; lounges; a music room; a room for the exhibition of works of art; a craftshop; a barber shop; and offices and meeting rooms for student organizations. Among the many special services available for students are a central ticket office, a painting and phonograph rental service, and a central reservations service for student activities. The Straight desk is a unique service center where newspapers, magazines, and sundries are sold. Checks up to \$25 may be cashed there. The desk is manned seventeen hours a day and offers an information service with a long tradition of finding the answer to any question about Cornell. Dining services include a cafeteria, a snack bar (the Ivy Room), and rooms for private luncheons and dinners.

Noyes Center was made possible through the generosity of Agnes and Jansen Noyes. Like Willard Straight, it provides numerous facilities and activities for members of the Cornell community, including a cafeteria, study lounges, meeting rooms, a music listening room, an exercise area, a game room with table tennis and billiards, a television lounge, a pub serving beer and wine, and an information and service desk selling sundries, newspapers, and magazines.

The North Campus Union is in the new residence hall complex located between Pleasant Grove Avenue and North Triphammer Road. Facilities include a mail center; a pick-up area for laundry, dry cleaning, and shoe repair; a store that sells toilet articles, school supplies, gift items, cards, records, etc.; a crafts studio; photographic darkrooms; television lounges; a recreation area with billiards and table tennis; a music listening room; browsing lounges; a multipurpose room; meeting rooms and of-



Cornell's Ed Marinaro, winner of the national rushing title in 1970 and a member of the United Press International's All America team, carries the ball against Harvard.

fices for student organizations; music practice rooms; a nursery school; a cafeteria; private dining rooms; and a delicatessen.

The programs and activities available to students for extracurricular recreation and learning through University Unions are of primary importance. They are planned by students, faculty, and staff who are members of the Executive Board of University Unions or one of its numerous committees and clubs, in the case of Willard Straight Hall, or the Dormitory Area Council, in the case of Noyes Center. A similar board will be organized for the new North Campus Union, drawing upon its immediate constituency. General responsibility for determining policies and operating procedures for all three unions is in the hands of students through these boards. These services and activities support the educational objectives of the University and provide opportunities for more meaningful personal relationships among members of the Cornell community, and fulfill the bequest of Willard Straight who wanted to "... make Cornell a more human place."

SOCIAL AND CULTURAL ACTIVITIES

For those with interests in particular fields, there are more than a hundred organized groups, which include both faculty and students in their membership. Among them are clubs for persons with similar academic interests or similar hobbies, local chapters of professional organizations, associations of students from other nations, and a number of national honorary societies that recognize achievement in scholarship and other fields of endeavor.

ATHLETICS

At Cornell, athletics are designed to encourage the participation of every able-bodied student either in varsity sports or in the comprehensive intramural program. In addition to physical fitness, the work in athletics stresses the development of sportsmanship and a keen competitive spirit as enduring values that will be carried into later life. Cornell supports the largest intercollegiate athletic program in the country and belongs to the Ivy League. There is varsity and freshman competition for men in the following sports: baseball, basketball, crew, 150-pound crew, cross-country, fencing, football, 150-pound football, golf, gymnastics, hockey, lacrosse, polo, rifle, sailing, squash, soccer, skiing, swimming, tennis, track, and wrestling. Intramural and informal sports include badminton, basketball, billiards, bowling, boxing, broomstick polo, cross-country, fencing, golf, hockey, horseshoes, judo, sailing, skating, skiing, soccer, softball, swimming, table tennis, touch football, track, volleyball, and wrestling. The

women's intercollegiate competitive sports program consists of badminton, basketball, bowling, field hockey, golf, lacrosse, sailing, skiing, swimming, and tennis.

MUSIC

The Sage Chapel Choir, the Cornell Chorus, the University Glee Club, the University orchestras and bands, chamber music ensembles, the Opera Workshop, and other musical organizations give a wide range of opportunity to students who want to participate in music making. The University Faculty Committee on Music sponsors visiting soloists and major orchestras in the Bailey Hall Concert Series, string quartets and other groups in the Chamber Music Series at Alice Statler Auditorium, and occasional operas, ballets, and special events. In addition, the Department of Music sponsors more than sixty free concerts and lectures by visiting artists or by Cornell faculty and students.

PUBLICATIONS

Cornell students edit and publish a yearbook, the *Cornellian*; several literary magazines; and a number of magazines relating to special fields of interest such as the *Cornell Engineer*, the *Cornell Countryman*, and the *Cornell Law Review*. Cornell students are also involved with the private publication of the *Cornell Daily Sun*.

STUDENT CONDUCT

Cornell University is an academic institution devoted to the pursuit of excellence in education. While this education emphasizes intellectual excellence, it must include the sum of an individual's experience at the University. Diversity of opportunity and freedom of choice and action are essential to a Cornell education; but excellence depends upon the responsibility of each person to exercise the privileges of freedom with concern for his own integrity as well as the best interests of the community.

The private life of each member of the community must be respected. Cornell University, therefore, assumes that responsible conduct by individuals and groups must comply with minimum standards and regulations necessary to insure maximum individual freedom and the effective functioning of the University as an educational institution.

Registered student organizations are expected to assume the responsibilities of membership in the University community. The Organization and Activities Review Committee (OARC) is

charged with effective enforcement of regulations applicable to all student organizations, under policies established by the University Senate.

No policy or regulation can exert a significant influence on a community without representative student participation on appropriate University committees. The University Senate establishes policies concerned with student life which are the result of the combined efforts of students, faculty, and administration. The guiding principle has been the belief that each student at Cornell should take major responsibility for the governance of his own affairs.

The *Policy Notebook for Students*, mailed to all new students before classes begin, makes clear to students and student organizations the nature of their obligations as members of an educational community and establishes the consequences of failure to meet those obligations for which they are held accountable. It should be emphasized that the principle of procedural fairness as set forth in faculty and University Senate legislation is basic to the process of adjudicating violations.

Complaints relating to student conduct are considered by the Office of the Judicial Administrator and the appropriate judicial boards.

On May 1, 1969, the University Board of Trustees set forth the following declaration.

We hereby affirm that these are the governing standards of Cornell University:

1. That all students and faculty are guaranteed the right of free speech.
2. That the freedom to teach in accordance with the dictates of intellect and conscience is fundamental to the University, and that no one has any right to inhibit the rights of others to teach or to interfere with the freedom to learn.
3. That bigotry and racial discrimination have no place on the Cornell campus.
4. That every member of the Cornell community is to be judged individually as to his conduct and performance.
5. That the University is not a sanctuary from the law.
6. That duress, intimidation, violence and the threat of violence are inimical to the life of the University and unacceptable as expressions of dissent.
7. That disruption and the tactics of terror will be met by firm and appropriate response.
8. That orderly change is essential to the life and the growth of the University.
9. That Cornell encourages faculty and student ideas for adapting the structure, curricula, and programs of the University to the changing needs of the times.

10. That all University policies must be consonant with the basic Cornell principle of freedom with responsibility.

OMBUDSMAN

The Cornell University ombudsman will investigate complaints and hear grievances brought by anyone in the University community about the University or anyone in it who exercises authority.

In times of emergency the ombudsman operates a rumor control center. The offices are located at 201 Barnes Hall. The telephone number is 256-4321.

THEATRE ARTS

A wide range of dramatic production is presented by Cornell students under the sponsorship and general supervision of the Department of Theatre Arts. Eight of these productions are presented as a "season" which is scheduled in advance and for which open tryouts are held at the beginning of each semester. Other, more informal, productions accumulate throughout the year, and invitations to participate in these productions are posted on the bulletin boards of Lincoln Hall. Productions are normally mounted in the range of facilities available in the University Theatre in Willard Straight Hall, the Drummond Studio in Lincoln Hall, and the Kaufmann Auditorium in Goldwin Smith Hall.

Students are provided with film-making opportunities through the facilities of the Department and the Independent Film-Makers at Cornell.

HEALTH SERVICES

The University Health Services provide facilities for comprehensive medical care of students. To help students achieve their educational goals the objectives are: (1) the diagnosis and treatment of illness (physical and emotional) with a minimum time loss from academic work; (2) the prevention of acute physical and emotional disorders whenever possible; and (3) the development of an intelligent and realistic attitude toward health on the part of every student.

ELIGIBILITY. All undergraduate and graduate students regularly registered in the University are eligible for the University health services. The cost is included in the General Fee.

THE CLINIC AND INFIRMARY

Outpatient care is centered in the Gannett Medical Clinic, 10 Central Avenue. Hospital care is given in the Sage Infirmary. The Infirmary is on Sage Place, with the entrance on East Seneca Street between Stewart Avenue and Schuyler Place, about five blocks from the edge of the campus.

The Clinic and Infirmary medical staff, under the supervision of the clinical director, consists of attending physicians from the University staff and of consulting physicians and surgeons in the various medical fields from Ithaca and vicinity.

A student may consult a physician at the Clinic whenever need arises. Appointments with individual doctors at the Clinic should be made by calling or coming in person to the Clinic. An acutely ill patient will be seen promptly whether he has an appointment or not. An *initial* consultation with a medical specialist is provided when requested by a clinic physician. Further care by a specialist is the financial responsibility of the student.

Emergency Service: Students who need medical attention during the hours when the Clinic is closed, may go to Sage Infirmary. If an accident or serious illness occurs, the physician on Emergency Service may be reached by calling 256-3493 during Clinic hours or 256-6962 after Clinic hours.

Hospitalization in Sage Infirmary for a maximum of fourteen days each term is covered by the General Fee. (A per diem charge is made if hospitalization extends beyond fourteen days.) Hospital service includes medical and emergency surgical care, as well as most laboratory and x-ray examinations indicated for diagnosis and treatment. Emergency surgery is done at Tompkins County Hospital. In providing these services the agreement between Tompkins County Hospital and Cornell is that the hospital will look to available insurance carried by the student, his family, or a responsible third party as the primary source of payment. Cornell will provide payment to the extent that other available sources do not cover charges during the first fourteen days. (Emergency surgery is defined as initial surgical procedure which, in the opinion of the clinical director, is necessary for the immediate welfare and safety of the patient.) The General Fee does not include surgery for the correction of chronic remedial defects or obstetrical care. There is an additional fee for emergency house calls.

In providing these services, the University reserves the right to bill the student's employer or other third party, including a pre-existing insurance carrier, legally responsible for providing hospitalization and medical care and to be subrogated to the student's

right against these parties for the cost of these services when such liability exists.

A student in Sage Infirmary may, if he so desires, employ a private physician from the visiting staff. A student may also receive medical care from a private physician rather than consult the Clinic. The General Fee does not, however, cover the cost of such private arrangements.

Prospective students are urged to have dental, visual, and other remedial defects corrected before entering the University.

If, in the opinion of the University authorities, the student's health makes it unwise for him to remain in the University, he may be required to withdraw.

ELECTIVE INSURANCE PLAN. Insurance is available on a voluntary basis to supplement the services as outlined above. For example, hospitalization in Sage Infirmary in excess of fourteen days a term, and expenses for illness or accidents outside Ithaca both during the academic year and during vacation would be covered. Unless students have other insurance to supplement medical services provided by the University Health Services, they are strongly urged to take advantage of this plan. Information about this insurance may be obtained at the Gannett Medical Clinic where a representative of the elective insurance company has an office.

HEALTH REQUIREMENTS

Each entering student is expected to assume personal responsibility for fulfilling the following health requirements adopted by the Cornell University trustees. Permission to register for a new semester will not be granted unless all health requirements pertaining to the previous semester have been fulfilled.

UNDERGRADUATE STUDENTS

A. IMMUNIZATION. A satisfactory certificate of immunization against smallpox, on the form supplied by the University, must be submitted before registration. It will be accepted as satisfactory only if it certifies that within the last three years a successful vaccination has been performed. If this requirement cannot be fulfilled by the student's home physician, opportunity for immunization will be offered by the Cornell medical staff during the student's first semester, with the cost to be borne by the student. If a student has been absent from the University and if he has not been vaccinated within the past three years, immunity will be considered to have lapsed, and a certificate of revaccination must be submitted.

B. X RAY. Every student is required to have a chest x ray. Opportunity is given to satisfy this requirement during the student's first week on campus. The cost of the x-ray examination is included in the General Fee. When a student who has been away from the University for more than a year wishes to reenter, he must, at his own expense, again fulfill the chest x-ray requirement.

C. MEDICAL EXAMINATION. Each undergraduate student is required to submit a health history and to have a medical examination. (This applies also to special students who must meet other medical and health requirements such as physical education and military training.) A student accepted for admission will be sent forms to be filled out by his home physician and returned promptly to the Gannett Medical Clinic. A University physician will review the material before it becomes part of the student's permanent health record. All information given is confidential. After arrival at Cornell, if the medical history indicates a need, a student will be given an appointment to consult a physician at the Clinic. When a student has been away from the University for more than a year, he must, upon reentrance, submit an interim health history on a University form.

D. TETANUS TOXOID. Students, including special students enrolled in one-year or two-year courses, are required to be immunized to tetanus through use of tetanus toxoid. The University has adopted this rule to avoid reactions, often serious, if antitoxin (horse serum) is administered at the time of injury. Immunity through toxoid offers the advantage of protection without risk of antitoxin reaction.

Active immunization shall be acquired within five years prior to initial registration unless the student's home physician is unable to give the toxoid. If there has been no previous immunization, an original series of two or three doses, depending on the type used, spaced at least one month apart, will be necessary. This will be followed by a booster dose one year later. If there has been previous immunization, reactivation by a single booster dose is required for entrance to Cornell. After entrance a booster dose will be given whenever medically indicated.

Certification of immunization by the student's home physician is to be reported on the immunization form supplied by the University. Students unable to obtain the immunization at home will be given the opportunity, during the first semester, to obtain it from the Cornell medical staff or any Ithaca physician. If it is received from the former, a charge comparable to the average physician's fee will be made. Opportunity will also be given to obtain the booster dose that is required one year later, as well as any further booster doses as recommended by recognized medical authorities.

GRADUATE STUDENTS

A. IMMUNIZATION. A satisfactory certificate of immunization against smallpox, on the form supplied by the University, must be submitted before registration. It will be accepted as satisfactory only if it certifies

that within the last three years a successful vaccination has been performed. If this requirement cannot be fulfilled by the student's home physician, opportunity for immunization will be offered by the Cornell medical staff during the student's first semester, with the cost to be borne by the student. If a student has been absent from the University and if he has not been vaccinated within the past three years, immunity will be considered to have lapsed, and a certificate of revaccination must be submitted.

B. X RAY. Every student is required to have a chest x ray. Opportunity is given to satisfy this requirement during the student's first week on campus. The cost of the x-ray examination is included in the General Fee. When a student who has been away from the University for more than a year wishes to reenter, he must, at his own expense, again fulfill the chest x-ray requirement.

C. HEALTH HISTORY. Graduate students, when accepted, must submit *health histories* on forms supplied by the University. These should be returned promptly to the Gannett Medical Clinic. A University physician will review the material before it becomes part of the student's permanent health record. All information given is confidential. After arrival at Cornell, if the medical history indicates a need, a student will be given an appointment to consult a physician at the Clinic. When a student has been away from the University for more than a year, he must, upon reentrance, submit an interim health history on a University form.

D. TETANUS TOXOID. While not required, it is strongly recommended by the University Health Services that all graduate students have immunization against tetanus before entering the University. The Health Services will, however, make available at the Gannett Clinic initial and all booster tetanus toxoid immunizations at a nominal charge.

PHYSICAL EDUCATION

As part of the normal course of study leading to a baccalaureate degree, the University faculty has established the following requirements in physical education:

All undergraduate students must complete four terms of work in physical education.

The requirement in physical education is a requirement of the first four terms, and postponements are to be allowed only by consent of the University Faculty Committee on Requirements for Graduation.

Exemptions from the requirement may be made by the Committee on Requirements for Graduation when recommended by the Cornell medical staff, or because of unusual conditions of age, residence, or outside responsibilities. Students who have been discharged from the armed forces may be exempted.

For students entering with advanced standing, the number of terms

of physical education required is to be reduced by the number of terms which the student has satisfactorily completed (not necessarily including physical education) in a college of recognized standing.

Responsibility for the interpretation of the requirement and for its application in individual cases is placed upon the Committee on Requirements for Graduation.

The University requirements in physical education may be met by four terms of satisfactory work in courses under the supervision of the Department of Physical Education. Publications describing the courses offered will be made available to entering students by the Department. There are separate programs, with separate staffs, for men and women. The courses are directed toward the development of skills and the encouragement of an interest in recreational sports that will be carried over after graduation, as well as toward the student's immediate physical welfare.

Any entering student who believes that he qualifies for exemption from the requirements or for postponement of the satisfaction of them should present his case to the appropriate member of the University Faculty Committee on Requirements for Graduation. The committee members are:

Chairman: Dean Norman Penney (University Faculty); Professor James O. Mahoney (College of Architecture, Art, and Planning); Director Herbert L. Everett, Resident Instruction (College of Agriculture); Director Donald P. Dietrich, Office of Resident Instruction (School of Industrial and Labor Relations); Professor Howard G. Smith (College of Engineering); Dean George C. Poppensiek (Veterinary College); Dean Robert A. Beck (School of Hotel Administration); Professor Thomas Sokol (College of Arts and Sciences); Dean Martin W. Sampson (Division of Unclassified Students); Associate Dean Jean Failing, Undergraduate Education (College of Human Ecology).

MOTOR VEHICLES

The University does not encourage student use of motor vehicles but recognizes that in certain cases there may be important reasons why a student needs a motor vehicle. University regulations apply to all types of motor vehicles, including automobiles, motorcycles, motor bikes, and motor scooters.

Every student who owns, maintains, or for his own benefit operates a motor vehicle must register it with the Traffic Bureau of the Safety Division unless that vehicle is otherwise currently registered with the Traffic Bureau of the Safety Division. Freshmen are not permitted to own, maintain, or operate motor vehicles. All students must register motor vehicles within the prescribed time for University registration at the beginning of the fall term or within five days after becoming subject to the above

rule. Students entering the University for the spring semester or reentering after a period of absence must register motor vehicles with the Traffic Bureau at the time of, or within the time for, general registration. Nonregistered vehicles may not be parked on campus at any time.

The student's registration in the University is held to constitute an agreement on his part that he will abide by all its rules and regulations with regard to traffic and parking or suffer the penalty prescribed for any violation of them.

Parking and driving in the central part of the Cornell campus is restricted on weekdays between 7:30 a.m. and 5:30 p.m. During these hours no car without a special parking permit is allowed to enter the central part of the campus. Nor may cars without permits park on the campus outside the central restricted area except in those areas specifically designated for visitors.

At all other times parking without a permit is allowed throughout the campus except in parking spaces specifically signed to the contrary. Overnight parking is prohibited from December 1 to April 1.

Because of the necessity to limit traffic and parking, students are cautioned that the regulations are enforced and that illegally parked cars may be towed away at the owner's expense.

Special area parking permits are issued only after careful consideration by the Board on Traffic Control. Extenuating circumstances (physical disabilities, etc.) are the basis for the issuance of these permits.

A complete list of regulations is found in the pamphlet *Regulations Governing Motor Vehicles*, which is made available at registration. Correspondance regarding motor vehicles should be addressed to the Traffic Bureau of the Safety Division, G-2 Barton Hall, Cornell University, Ithaca, New York 14850.

EXPENSES

The costs of attending Cornell fall into two general categories. The first category includes certain fixed charges for tuition, fees, and deposits, and related charges for services provided by the University. The second category includes living costs and items of personal expense. To make a realistic estimate of his financial needs at Cornell, the prospective student should note carefully each of the sections that follow.

UNIVERSITY CHARGES

For certain services or privileges the University charges a General Fee over and above tuition. The General Fee is paid by all students in the divisions at Ithaca, the amount varying in the different schools and colleges. It contributes toward the services provided by the libraries, the Gannett Clinic and Sage Infirmary, and the students unions in Willard Straight Hall, Noyes Center,

and the North Campus Union; it also pays part of the extra costs of laboratory courses and general administration, as well as programs of physical recreation and student activities. Approximately \$61 of the General Fee is used each school year for health services.

Students entering the Ithaca divisions of the University should familiarize themselves with the charges made in the college or school in which they plan to enroll and with the rules governing payments as given in the pages following. Table 1 lists the tuition and General Fee paid *each term* by students in the Ithaca divisions of the University (there are two terms in the normal academic year). Tuition and fees in the Medical College and the School of Nursing in New York City are listed in the *Announcements* of those divisions.

Other Fees and Deposits

In addition to the charges listed in the table, certain financial obligations should be carefully noted and taken into account in the student's budget of expenses for the term in which they are due (see pp. 71-73).

An *application fee* of \$20 must be paid at the time an application for admission is submitted to any division except the Law School where the fee is \$15. The fee is nonrefundable.

A *registration fee* of \$50 must be paid at the time the applicant receives notice of acceptance from any of the following divisions: Agriculture; Architecture, Art, and Planning; Arts and Sciences; Engineering; Graduate School; Graduate School of Aerospace Engineering; Graduate School of Nutrition; Human Ecology; Hotel Administration; Industrial and Labor Relations; Unclassified; and Veterinary. The fee is nonrefundable and does not apply toward the first term's charges.

A *registration fee* of \$100 must be paid at the time the applicant receives notice of acceptance from the Graduate School of Business and Public Administration or the Law School. The fee is nonrefundable, but, when the applicant first registers in the University, \$50 of the fee is applied to the first term's charges.

Transfer Tuition

Any student transferring from one college (or course or courses) in the University to another must, on or before the time of transfer, pay an amount corresponding to the difference in tuition for the hours of credit that will be allowed in the latter college (or course or courses).

TABLE 1. TUITION AND GENERAL FEE

COLLEGE, SCHOOL, OR DIVISION	TUITION	GENERAL FEE	TOTAL EACH TERM
ARCHITECTURE, ART, AND PLANNING	\$1,087.50	\$312.50	\$1,400.00
ARTS AND SCIENCES	1,087.50	312.50	1,400.00
DIVISION OF UNCLASSIFIED STUDENTS ..	1,087.50	312.50	1,400.00
ENGINEERING	1,087.50	312.50	1,400.00
GRADUATE SCHOOL with major field of study in an endowed division	1,087.50	312.50	1,400.00
GRADUATE SCHOOL with major field of study in Agriculture, Human Ecology, Industrial and Labor Relations, Veterinary, or the Graduate School of Nutrition			
Resident*	400.00	150.00	550.00
Nonresident	500.00	50.00	550.00
GRADUATE SCHOOL OF AEROSPACE ENGINEERING .	1,087.50	312.50	1,400.00
GRADUATE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION			
First-year student	1,187.50	312.50	1,500.00
Second-year student	1,087.50	312.50	1,400.00
HOTEL ADMINISTRATION ...	1,087.50	312.50	1,400.00
LAW SCHOOL	1,012.50	275.00	1,287.50
AGRICULTURE			
Resident*	275.00	175.00	450.00
Nonresident	450.00	200.00	650.00
HUMAN ECOLOGY			
Resident*	275.00	200.00	475.00
Nonresident	450.00	225.00	675.00
INDUSTRIAL AND LABOR RELATIONS			
Resident*	275.00	137.50	412.50
Nonresident	450.00	162.50	612.50
VETERINARY			
Resident*	275.00	200.00	475.00
Nonresident	450.00	225.00	675.00
EXTRAMURAL			
Tuition per credit hour	70.00		

* A resident is a person who has been a bona fide resident of the state of New York for one year prior to registration for each term.

Excess Hours Tuition

Students in the four statutory divisions who wish to take courses in the endowed divisions beyond the hours allowed free under the rules of those statutory divisions, may be allowed to do so on payment for the additional hours of instruction at the rate of tuition in the college in which the instruction is given.

Special Fees

The following fees are imposed under certain conditions: late registration, \$10; make-up examination, \$10; late filing of study card, \$10; late change of program, \$10; failure to check out chemistry desk, \$5.

PAYMENT OF UNIVERSITY BILLS

All bills are rendered to the student, and it is his or her responsibility to see that each bill is paid by the due date. Checks in payment of student accounts should be drawn in the amount owed. The University accepts checks only if they are drawn on banks located in the United States. Appropriate penalties are assessed for late payment, and the student may be deprived of the privileges of the University. Cornell cannot undertake to bill the parent or another person. A student or parent who desires additional information about payment plans and specific charges should address a request to the University Finance Center, Day Hall, Cornell University, Ithaca, New York 14850.

Tuition and General Fee

The Treasurer's Office mails a statement of tuition and fee charges to the home address of each undergraduate student prior to the beginning of each term. The charges are due and payable before registration.

A student in a graduate or professional division receives a tuition and fee bill with the registration material. The due date, noted on the bill, is generally within the first ten days of the term.

Financial aid awarded by the University, except loans, will be applied directly to the charges. If the University award exceeds the charges, the balance will be available after the beginning of each term in the form of a check.

A student completes arrangements for a loan authorized by the University by signing a note in the Office of Scholarships and Financial Aid. The proceeds of a loan must be applied first to University charges.

New York State prepares individual checks, payable to the student, in payment of New York State scholarships, fellowships, and scholar incentive awards and sends the checks to the University for distribution. The checks usually arrive late in the term, and they are not, therefore, available to use toward payment of tuition and fees.

A student may claim credit on the tuition and fee bill or statement for the value of the award by presenting the right-hand stub portion of the award certificate issued to the student by New York State, valid for the particular school year for use at Cornell University. The student must also complete a power of attorney form, or have completed one previously, authorizing the University to negotiate the state check.

Refunds

Part of the amount personally paid for tuition and the General Fee will be refunded if the student obtains an official certificate of Leave of Absence or Withdrawal at the office of the dean or director of the academic division in which he is enrolled. Students who terminate their registration in the University during a regular term in this manner will be charged tuition and the General Fee from the registration day to the effective date of the certificate as follows: first week 10 per cent, second week 20 per cent, third week 30 per cent, fourth week 40 per cent, fifth week 60 per cent, sixth week 80 per cent, seventh week 100 per cent, except that no charge will be made if the effective date is within the first six days, including registration day. No part of the application or registration fees is refundable.

Room and/or Food Costs in University Residences

Payment of the yearly charges for room and/or food is due in two installments. The room charge is based on the rate of the assigned room. Room assignments for new students are generally made in July or August. Room assignments for old students are made during the preceding May. In both cases, payment for the first semester is due before registration, but new students must sign an appropriate housing contract and submit their first payment within ten days of assignment or the space will be reassigned. The due date for payment for the second semester varies from year to year but usually occurs early in February.

The amount, time, and manner of payment of tuition, fees, or other charges may be changed at any time without notice.

ESTIMATE OF STUDENTS' EXPENSES

The figures below are estimates of specific expenses for the regular academic year of two terms. They do *not* include tuition, the General Fee, and certain other fees, all of which are given in detail in earlier pages of this section. Students should also add their own travel expenses to the estimated total.

Room and food costs	\$1,500
Admissions deposit	50
Books and equipment	}
Personal allowances	
Laundry and cleaning	
Total (average) expenses	\$2,200

CHOOSING A COLLEGE OR SCHOOL

For a person interested in Cornell, the matter of deciding in which division of the University he wants to study should not be difficult. The general descriptions of the work in the several colleges and schools as given on pp. 7-27 should indicate which division offers the desired type of preparation. The prospective student should write for the *Announcement* that gives a detailed description of the curriculum in which he is interested. (The writer should include his zip code in his return address.) A list of the *Announcements* will be found at the end of this publication; any *Announcement* will be mailed without charge.

SUBJECTS OF STUDY

The prospective student frequently and naturally thinks in terms of specific courses, such as chemistry, or design, or bacteriology, instead of in terms of a broad curriculum such as arts and sciences, or architecture, or agriculture. Therefore, in identifying the division in the University where particular instruction is offered, he may find the following general list of subjects of study useful. The subject is the left-hand column of the list, and the college or school in which the subject is taught is in the right-hand column.

The names of the colleges and schools of the University are abbreviated as follows: Agriculture (*Ag*); Architecture, Art, and Planning (*Arch*); Arts and Sciences (*Arts*); Business and Public Administration (*Bus*); Engineering (*Engin*); the Graduate School (*Grad*); Human Ecology (*Human Ec*); Hotel Administration (*Hotel*); Industrial and Labor Relations (*ILR*); Law (*Law*); Medical (*Med*); Graduate Medical Sciences (*Grad MedSci*); Nursing (*Nurs*); Nutrition (*Nutrit*); and Veterinary (*Vet*). Each division

has a separate *Announcement*. Information about the courses offered by the Africana Studies and Research Center (*Afr Center*) may be obtained from the Center, 310 Triphammer Road, Ithaca, New York 14850. Information about military science, naval science, and aerospace studies (AFROTC) is given in the *Announcement of Officer Education (Officer)*. Information about the academic offerings in Asian studies and education is given in the *Announcement of Asian Studies* and the *Announcement of Education*.

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
ACCOUNTING	<i>Ag, Bus, Engin, Hotel</i>	APPAREL DESIGN (merchandising)	<i>Human Ec</i>
ACTING	<i>Arts</i>	APPLIED MATHEMATICS	<i>Arts, Engin</i>
ADMINISTRATION AND LAW	<i>Bus, Law</i>	APPLIED PHYSICS	<i>Arts, Engin</i>
ADMINISTRATIVE PROCESS	<i>Bus</i>	nuclear physics	
AEROSPACE ENGINEERING	<i>Engin</i>	plasma physics	
aerodynamics		quantum electronics	
gasdynamics		quantum and statistical mechanics	
magnetofluidynamics		solid state physics and materials science	
plasma physics		space physics	
AEROSPACE STUDIES (ROTC)	<i>Officer</i>	ARBITRATION	<i>ILR</i>
AFRICANA STUDIES	<i>Afr Center</i>	ARCHAEOLOGY	<i>Arts</i>
AGRICULTURE, GENERAL	<i>Ag</i>	ARCHITECTURAL HISTORY	<i>Arch, Arts</i>
AGRICULTURAL BROADCASTING	<i>Ag</i>	ARCHITECTURAL SCIENCES	<i>Arch</i>
AGRICULTURAL ECONOMICS	<i>Ag</i>	ARCHITECTURE	<i>Arch</i>
business management		ART (history of)	<i>Arts</i>
farm finance		ARTS (practice of fine arts)	<i>Arch, Arts</i>
farm management		ASIAN STUDIES	<i>Arts</i>
food distribution		ASTRONOMY AND SPACE SCIENCES	
marketing			<i>Arts, Engin</i>
resource economics		BACTERIOLOGY	<i>Ag, Arts, Med, Vet</i>
AGRICULTURAL ENGINEERING	<i>Ag, Engin</i>	BANKING AND FINANCE	<i>Ag, Bus</i>
agricultural structures		BIOCHEMISTRY	<i>Ag, Arts, Med, Nutrit</i>
agricultural waste management		BIOLOGICAL SCIENCES	<i>Ag, Arts</i>
electrical power and processing		animal physiology and anatomy	
power and machinery		biochemistry	
soil and water engineering		botany	
AGRICULTURAL BUSINESS MANAGEMENT		ecology, evolution, and systematics	
	<i>Ag, Bus</i>	genetics and development	
AGRICULTURAL EXTENSION	<i>Ag</i>	microbiology	
AGRICULTURAL MISSIONARY SERVICE	<i>Ag</i>	neurobiology and behavior	
AGRICULTURAL SCIENCE	<i>Ag</i>	BIOMATHEMATICS	<i>Grad Med Sci</i>
AGRONOMY	<i>Ag</i>	BLACK STUDIES	<i>Afr Center</i>
crop science		BOTANY	<i>Ag</i>
field crops		BUSINESS ADMINISTRATION	<i>Bus</i>
soil conservation		(see also AGRICULTURAL ECONOMICS)	
soil science		accounting (industrial & public)	
AIR SCIENCE	<i>Officer</i>	agricultural management	
AMERICAN STUDIES	<i>Arts, ILR</i>	business management	
ANALYSIS OF DATA	<i>Arts, Bus, ILR</i>	finance	
ANATOMY	<i>Arts</i>	hospital & health administration	
ANIMAL SCIENCE	<i>Ag</i>	managerial economics	
animal genetics		marketing	
animal nutrition		personnel management	
animal physiology		production	
dairy production		transportation & public utilities	
livestock production		BUSINESS LAW	<i>Ag, Bus, Hotel</i>
meat science		BUSINESS MANAGEMENT	<i>Ag, Bus</i>
ANTHROPOLOGY	<i>Arts</i>		

<i>Subject of Study</i>	<i>College or School</i>
CHEMICAL ENGINEERING	<i>Engin</i>
biochemical engineering	
chemical microscopy	
chemical processes and process control	
materials engineering	
nuclear process engineering	
reaction kinetics	
CHEMISTRY	<i>Arts, Hotel</i>
CHILD DEVELOPMENT.....	<i>Arts, Human Ec</i>
CHINESE	<i>Arts</i>
CINEMA	<i>Arts</i>
CITY MANAGEMENT	<i>Bus</i>
CITY AND REGIONAL PLANNING	<i>Arch</i>
CIVIL ENGINEERING	<i>Engin</i>
aerial photographic studies	
environmental systems engineering	
geodetic and photogrammetric engineer- ing	
geotechnical engineering	
hydraulics and hydrology	
sanitary engineering	
structural engineering	
structural mechanics	
transportation engineering	
water resources systems	
CLASSICS	<i>Arts</i>
CLOTHING	<i>Human Ec</i>
CLUB MANAGEMENT	<i>Hotel</i>
COLLECTIVE BARGAINING	<i>ILR</i>
COMMUNICATION ARTS	<i>Ag, Human Ec</i>
COMMUNITY NUTRITION	<i>Human Ec</i>
COMMUNITY SERVICE EDUCATION	<i>Human Ec</i>
COMPARATIVE LITERATURE	<i>Arts</i>
COMPUTER SCIENCE	<i>Arts, Engin</i>
information processing	
numerical analysis	
theory of computation	
COMPUTERS AND DATA PROCESSING	<i>Engin, Hotel</i>
CONSERVATION	<i>Ag</i>
CONSUMER ECONOMICS	<i>Human Ec</i>
CONSUMER EDUCATION	<i>Human Ec</i>
CONSUMER PRODUCT DESIGN ...	<i>Human Ec</i>
DAIRY PRODUCTION	<i>Ag</i>
DESIGN	<i>Arch, Human Ec</i>
DESIGN, ARCHITECTURAL	<i>Arch</i>
DESIGN, ENGINEERING	<i>Engin</i>
DEVELOPMENTAL PSYCHOLOGY ..	<i>Human Ec</i>
DIETETICS	<i>Human Ec</i>
DIRECTING (theatre arts)	<i>Arts</i>
DRAMA	<i>Arts</i>
DRAWING	<i>Ag, Arch, Human Ec</i>
DRAWING, MECHANICAL	<i>Ag</i>
ECONOMICS	<i>Ag, Arts, Bus, Human Ec, ILR, Nutrit</i>
ECONOMICS AND POLICY	<i>Ag, Arts, Bus, ILR</i>
EDUCATION	<i>Ag, Arts, Human Ec, ILR</i>
agricultural education	
community service education	
curriculum and instruction	

<i>Subject of Study</i>	<i>College or School</i>
early childhood education	
educational administration and supervision	
educational psychology and measurement	
extension, adult and continuing education	
general education	
guidance and personnel administration	
history, philosophy, and sociology of education	
home economics education	
kindergarten	
nature study, science, and conservation education	
nursery school	
organizational behavior	
secondary education	
ELECTRICAL ENGINEERING	<i>Engin</i>
communications, information, and deci- sions theory	
computing systems and control	
electrical systems	
electronics	
electrophysics	
power systems and machinery	
radio and plasma physics	
ENGINEERING	<i>Engin</i>
aerospace engineering	
agricultural engineering	
applied physics	
chemical engineering	
civil engineering	
computer science	
electrical engineering	
engineering physics	
environmental engineering	
industrial engineering	
materials science and engineering	
mechanical engineering	
mechanical systems and design	
operations research	
structural engineering	
theoretical and applied mechanics	
thermal engineering	
ENGINEERING, AGRICULTURAL ...	<i>Ag, Engin</i>
ENGINEERING COOPERATIVE PROGRAM	<i>Engin</i>
ENGINEERING, HOTEL	<i>Hotel</i>
ENGINEERING PHYSICS	<i>Engin</i>
ENGLISH	<i>Arts</i>
ENTOMOLOGY	<i>Ag</i>
beekeeping	
insect morphology	
insect physiology	
insect taxonomy	
medical entomology	
parasitology	
ENVIRONMENTAL ANALYSIS (human and social factors) ..	<i>Human Ec</i>
ENVIRONMENTAL ENGINEERING	<i>Engin</i>
EXTENSION EDUCATION	<i>Ag</i>

76 SUBJECTS OF STUDY

<i>Subject of Study</i>	<i>College or School</i>
FAMILY DECISION MAKING . . .	<i>Human Ec</i>
FAMILY RESOURCE MANAGEMENT	
.....	<i>Human Ec</i>
FAMILY SOCIOLOGY	<i>Human Ec</i>
FAMILY STUDIES	<i>Human Ec</i>
FAMILY RELATIONSHIPS	<i>Human Ec</i>
FEDERAL ADMINISTRATION	<i>Bus</i>
FEMALE STUDIES	<i>Ag, Arts, Human Ec</i>
FINANCE, BUSINESS AND PUBLIC	
.....	<i>Ag, Bus, Hotel</i>
FINE ARTS (practice of)	<i>Arch, Arts</i>
FLORICULTURE	<i>Ag</i>
commercial floriculture	
greenhouse crops production	
landscape service	
nursery management	
ornamental horticulture	
plant materials and propagation	
FOOD DISTRIBUTION	<i>Ag, Bus</i>
FOOD FACILITIES ENGINEERING	<i>Hotel</i>
FOOD AND NUTRITION	<i>Human Ec</i>
.....	<i>Nutrit</i>
FOOD SERVICE MANAGEMENT	<i>Hotel, Human Ec</i>
FOOD SCIENCE	<i>Ag</i>
FOOD TESTING AND RESEARCH	<i>Human Ec</i>
FOREIGN AGRICULTURE SERVICE	<i>Ag</i>
GENETICS	<i>Ag, Arts, Grad Med Sci</i>
GEOGRAPHY	<i>Arts</i>
GEOLOGICAL SCIENCES	<i>Arts</i>
GERMAN	<i>Arts</i>
GOVERNMENT	<i>Arts</i>
GRADUATE STUDIES	<i>Grad</i>
GRAPHIC ARTS	<i>Arch</i>
GREENHOUSE CROPS PRODUCTION	<i>Ag</i>
HISTORY	<i>Arts, ILR</i>
HISTORY OF ARCHITECTURE	<i>Arch, Arts</i>
HISTORY OF ART	<i>Arts</i>
HISTORY OF URBAN DEVELOPMENT	
.....	<i>Arch</i>
HUMAN ECOLOGY	<i>Human Ec</i>
HOSPITAL DIETETICS	<i>Human Ec</i>
HOSPITALS & HEALTH ADMINISTRATION	<i>Bus</i>
HOTEL ADMINISTRATION	<i>Hotel</i>
accounting	administration
chemistry	data processing
club management	
economics and finance	
engineering	
food facilities engineering	
food science	
food service management	
law	
marketing	
personnel	
psychology	
restaurant administration	
tourism	
HOUSEHOLD ECONOMICS	<i>Human Ec</i>
HOUSEHOLD EQUIPMENT	<i>Human Ec</i>
HOUSEHOLD MANAGEMENT	<i>Human Ec</i>
HOUSING	<i>Arch</i>

<i>Subject of Study</i>	<i>College or School</i>
HOUSING (economic and social factors)	
.....	<i>Human Ec</i>
HOUSING DESIGN	<i>Human Ec</i>
HUMAN BIOLOGY	<i>Arts</i>
HUMAN DEVELOPMENT	<i>Human Ec</i>
HUMAN ECOLOGY	<i>Human Ec</i>
community service education	
consumer economics and public policy	
design and environmental analysis	
human development and family studies	
human nutrition and food	
HUMAN NUTRITION	<i>Human Ec, Nutrit</i>
INDEPENDENT MAJORS	<i>Arts</i>
INDUSTRIAL ENGINEERING	<i>Engin</i>
applied statistics and probability	
computers and data processing	
engineering administration	
information processing	
operations research	
systems analysis and design	
INDUSTRIAL AND LABOR RELATIONS	<i>ILR</i>
collective bargaining	
economic and social statistics	
international and comparative	
labor relations	
labor economics	
labor union history and	
administration	
manpower studies	
organizational behavior	
personnel administration	
social security and protective labor	
legislation	
INSTITUTION MANAGEMENT	<i>Hotel, Human Ec</i>
INTERIOR DESIGN	<i>Human Ec</i>
INTERNATIONAL AGRICULTURE	<i>Ag</i>
INTERNATIONAL AND FOREIGN	
OPERATIONS	<i>Bus</i>
INTERNATIONAL STUDIES	<i>Ag, Arts, Bus, ILR, Law, Nutrit</i>
JOURNALISM (see COMMUNICATION ARTS)	
LABOR RELATIONS (see INDUSTRIAL AND LABOR RELATIONS)	
LANGUAGES, MODERN AND ANCIENT	<i>Arts</i>
LATIN AMERICAN STUDIES	<i>Ag, Arts</i>
LAW	<i>Law</i>
emerging nations: legal problems in	
English-speaking Africa	
jurisprudence	
land-use planning	
law and psychiatry	
legal history	
problems of urban development	
procedure	
public law	
LINGUISTICS	<i>Arts</i>
LITERATURE	<i>Arts</i>
LIVESTOCK PRODUCTION	<i>Ag</i>
MANAGERIAL ECONOMICS	<i>Bus</i>
MARKETING	<i>Ag, Bus, Hotel</i>

SUBJECTS OF STUDY 77

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
MATERIALS SCIENCE AND		NAVAL SCIENCE	Officer
ENGINEERING	Engin	NEUROBIOLOGY AND	
materials and metallurgical engineering		BEHAVIOR	Ag, Arts, Grad Med Sci
materials science		NUCLEAR SCIENCE AND ENGINEERING	Engin
MATHEMATICS	Arts	NURSERY CROPS PRODUCTION	Ag
MATHEMATICS, APPLIED	Arts, Engin	NURSING (see also PRENURSING)	Nurs
MECHANICAL ENGINEERING	Engin	NUTRITION (grad. studies)	Human Ec,
materials processing			Nutrit
mechanical systems and design		NUTRITION, ANIMAL	Ag, Nutrit
thermal engineering		NUTRITION, FOOD AND	Human Ec,
MECHANICS, THEORETICAL AND			Hotel, Nutrit
APPLIED	Engin	NUTRITION, HUMAN	Human Ec, Nutrit
mechanics of materials		OPERATIONS RESEARCH	Engin
solid mechanics		applied probability and statistics	
MEDIATION	ILR	industrial engineering	
MEDICAL SCIENCES,		information processing	
GRADUATE	Grad Med Sci	systems analysis and design	
biochemistry		ORNITHOLOGY	Ag
biological structure and cell biology		PAINTING	Ag, Arch
biology		PERSONNEL MANAGEMENT	Bus,
biomathematics			Hotel, ILR
biophysics		PHILOSOPHY	Arts
genetics		PHYSICAL BIOLOGY	Vet
microbiology		PHYSICAL EDUCATION*	
neurobiology and behavior		PHYSICS	Arts, Engin
pathology		PHYSICS, APPLIED	Arts, Engin
pharmacology		PHYSIOLOGY	Ag, Arts, Grad Med Sci, Vet
physiology		PLANT BREEDING	Ag
MEDICINE AND SURGERY	Med	PLANT PATHOLOGY	Ag
anatomy		PLASMA PHYSICS	Arts, Engin
anesthesiology		POMOLOGY	Ag
biochemistry		POULTRY SCIENCE	Ag
medicine		breeding	
microbiology		management	
neurology		PREDENTAL TRAINING	Arts
obstetrics and gynecology		PRELAW TRAINING	Arts
ophthalmology		PREMEDICAL TRAINING	Arts
otorhinolaryngology		PRENURSING TRAINING	Ag, Arts,
pathology			Human Ec
pediatrics		PREVETERINARY TRAINING	Ag, Arts
pharmacology		PRODUCTION	Bus
psychiatry		PSYCHOLOGY	Ag, Arts, Hotel, Human Ec,
physiology and biophysics			ILR
public health		PUBLIC ADMINISTRATION	Bus
radiology		(see also Public Admin. and Finance)	
surgery		agricultural policy and management	
MEDIEVAL STUDIES	Arts	city management	
METEOROLOGY	Ag	federal administration	
METALLURGICAL ENGINEERING	Engin	finance	
MICROBIOLOGY	Arts, Ag	general public administration	
MILITARY SCIENCE	Officer	hospital and health administration	
MUSIC	Arts	international and foreign operations	
NATURAL RESOURCES	Ag	personnel management	
fishery biology		transportation and public utilities	
forestry		PUBLIC ADMINISTRATION AND FINANCE	Ag
natural resources conservation		PUBLIC MANAGEMENT	Bus
wildlife science		PUBLIC RELATIONS	Ag, Hotel, ILR

* The requirements in physical education are described in earlier pages of this *Announcement*; details of the courses offered are given in publications made available to students by the Department of Physical Education. The courses do *not* lead to a physical education degree.

78 SUBJECTS OF STUDY

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
PUBLIC SPEAKING	<i>Ag, Arts</i>	fluid mechanics	
QUANTITATIVE ANALYSIS FOR		mechanics of materials	
MANAGERIAL DECISIONS AND OF		solid mechanics	
ECONOMIC DATA	<i>Bus</i>	space mechanics	
RADIO ASTRONOMY	<i>Arts, Engin</i>	TRANSPORTATION	<i>Bus, Engin</i>
RADIOPHYSICS	<i>Arts, Engin</i>	URBAN DESIGN	<i>Arch</i>
RADIO-TELEVISION	<i>Ag</i>	URBAN DEVELOPMENT HISTORY	<i>Arch</i>
REGIONAL PLANNING	<i>Arch</i>	URBAN STUDIES	<i>Arts</i>
RESTAURANT ADMINISTRATION	<i>Hotel</i>	VEGETABLE CROPS	<i>Ag</i>
ROMANCE LANGUAGES	<i>Arts</i>	VETERINARY MEDICINE	<i>Vet</i>
RURAL SOCIOLOGY	<i>Ag</i>	anatomy	
RUSSIAN	<i>Arts</i>	animal pathology	
SCULPTURE	<i>Arch</i>	animal physiology	
SEED TECHNOLOGY	<i>Ag</i>	animal virology	
SEMITIC STUDIES	<i>Arts</i>	biochemistry	
SLAVIC STUDIES	<i>Arts</i>	epidemiology	
SOCIAL RELATIONS	<i>Arts</i>	laboratory animal medicine	
SOCIAL SECURITY	<i>ILR</i>	medicine	
SOCIAL SERVICE	<i>Ag, Human Ec</i>	obstetrics	
SOCIOLOGY	<i>Arts, Human Ec, ILR</i>	parasitology	
SPACE PLANNING, INTERIOR	<i>Human Ec</i>	pathogenic bacteriology	
SPACE RESEARCH	<i>Arts, Engin</i>	pharmacology	
STATISTICS	<i>Ag, Arts, Bus, Engin, ILR</i>	physical biology	
STRUCTURES	<i>Arch</i>	radiology	
TEACHING (see EDUCATION)		surgery	
TELEVISION-RADIO	<i>Ag</i>	toxicology	
TEXTILES	<i>Human Ec</i>	virology	
THEATRE ARTS	<i>Arts</i>	WATER RESOURCES	<i>Engin</i>
THEATRE HISTORY	<i>Arts</i>	WORKMEN'S COMPENSATION	<i>ILR</i>
THEORETICAL AND APPLIED		ZOOLOGY	<i>Ag, Arts</i>
MECHANICS	<i>Engin</i>		

Index

- Activities, extracurricular, 31, 56-62; social and cultural, 59
- Admission, 29-47. *See also* Colleges and schools
- Advanced placement, 44
- Aerospace Engineering, Graduate School of, 8, 29
- Africana Studies and Research Center, 27-28
- Agricultural engineering, 38
- Agriculture, College of, 7, 8-9, 29, 33, 35, 37-38, 44
- Announcements*, list of, 80
- Applications: financial aid, 32, 33, 48; housing, 50; admission, 29, 32, 33
- Architecture, Art, and Planning, College of, 7, 9, 29, 33, 35, 38-39
- Arts and Sciences, College of, 7, 11, 30, 31, 33, 36, 39-41
- Athletics, 59, 66
- Business and Public Administration, Graduate School of, 8, 9, 20, 29
- Campus life, 56-62
- Career, Summer Plans, and Placement Center, 53
- Colleges and schools, 7-27
- College Scholar Program, 12
- Cornell University: campus, buildings; outside Ithaca; founding, history; international character; numbers of students, faculty, staff; objectives; sources of support, 5-7. *See also* Colleges and schools
- COSEP, 32
- Courses. *See* Subjects of study
- Degrees, 7-28, 37-43
- Deposits, 69
- Dining facilities, 51
- Dormitories. *See* Residence halls
- Early admission, 35
- Early Decision Plan, 33
- Educational and vocational guidance, 52
- Employment, 47-48, 52, 53
- Engineering, College of, 7, 8, 13, 30, 31, 33, 36, 41-42
- Enrollment, size of, 6
- Entrance unit credit, 43
- Expenses, 68-73
- Extracurricular activities, 31, 56-62
- Extramural courses, 25
- Faculty and staff, number of, 6
- Fees and other expenses, 68-73
- Financial aid, 32, 47-48
- Foreign students, 6, 53
- Geographical distribution, 31
- Graduate divisions, 8; application to, 29
- Graduate School, 8, 17, 29
- Greek Civilization Program, 12
- Guidance and Testing Center, 52
- Health services and requirements, 62-66
- Hotel Administration, School of, 8, 14, 30, 31, 33, 35, 42
- Housing, 48-51
- Human Ecology, College of, 7, 15, 30, 31, 33, 35, 36, 42
- Independent Majors Program, 13
- Industrial and Labor Relations, School of, 7, 16, 30, 31, 33, 35, 43, 44
- International Student Office, 53
- Interviews, 35
- Law School, 8, 21, 29; residence center, 50
- Libraries, University, 56
- Loans, 47-48
- Medical care, 63-64
- Medical College, 8, 22, 29
- Medical Sciences, Graduate School of, 8, 23
- Military training, 29
- Motor vehicles, 67-68
- Music, 60
- Nursing, School of, 8, 17, 29
- Nutrition, Graduate School of, 8, 23, 29
- Off-campus housing, 51
- Officer education, 29
- Ombudsman, 62
- Payment of bills, 71-72
- Physical education, 59, 66
- Placement center, 53
- Publications, student, 60
- Reading-Study Center, 52
- Religious affairs, 53-55
- Residence halls, 48-51; costs, 72
- Scholarships, 47
- Science, Technology, and Society, Program on, 28
- Senate, University, 61
- Special Educational Projects, Committee on, 32
- Student conduct, 60-62
- Students, Office of Dean of, 51
- Student unions, 57-59
- Subjects of study, 73-78
- Subject and test requirements, 37-43
- Summer plans, 53
- Summer Session, 24
- Testing Center, Guidance and, 52
- Tests (admission), 37-44
- Theatre arts, 62
- Transfer: from other institutions, 44-47; within Cornell, 30, 69
- Tuition, 68-72
- Unclassified students, 25
- Veterinary College, 8, 24, 30, 31, 35, 43
- Vocational guidance, 52

CORNELL UNIVERSITY ANNOUNCEMENTS

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New York State College of Agriculture
College of Architecture, Art, and Planning
College of Arts and Sciences
Department of Asian Studies
Education
College of Engineering
New York State College of Human Ecology
School of Hotel Administration
New York State School of Industrial and Labor Relations
Officer Education (ROTC)
Summer Session

Undergraduate preparation in a recognized college or university is required for admission to certain Cornell divisions, for which the following *Announcements* are available:

Graduate School: Biological Sciences
Graduate School: Humanities
Graduate School: Physical Sciences
Graduate School: Social Sciences
Law School
New York State Veterinary College
Graduate School of Business and Public Administration
Graduate School of Nutrition
Medical College (New York City)
Cornell University—New York Hospital School of Nursing (New York City)
Graduate School of Medical Sciences (New York City)

Requests for the publications listed above may be addressed to
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