A black and white photograph of the Cornell University campus. The prominent feature is the tall, square clock tower with a pointed roof, located on the left side of the image. The tower has two visible clock faces. In the foreground, a wide, paved walkway leads from the bottom center towards the tower. Several people are walking along this path. To the right of the path, there are large, leafy trees. The background shows more campus buildings and a sky with scattered clouds. The overall scene is a typical view of the Cornell University campus.

1969-70

Cornell University
ANNOUNCEMENTS

General Information



Cornell University

*General
Information*

1969-70

Cornell Academic Calendar

1969-70*

Registration, new students	Th, Sept. 11
Registration, old students	F, Sept. 12
Fall term instruction begins, 7:30 A.M.	M, Sept. 15
Midterm grade reports due	S, Oct. 25
Thanksgiving recess:	
Instruction suspended, 1:10 P.M.	W, Nov. 26
Instruction resumed, 7:30 A.M.	M, Dec. 1
Fall term instruction ends, 1:10 P.M.	S, Dec. 20
Christmas recess	
Independent study period begins	M, Jan. 5
Final examinations begin	M, Jan. 12
Final examinations end	T, Jan. 20
Interession begins	W, Jan. 21
Registration, new students	Th, Jan. 29
Registration, old students	F, Jan. 30
Spring term instruction begins, 7:30 A.M.	M, Feb. 2
Deadline: changed or make-up grades	M, Feb. 9
Midterm grade reports due	S, Mar. 14
Spring recess:	
Instruction suspended, 1:10 P.M.	S, Mar. 28
Instruction resumed, 7:30 A.M.	M, Apr. 6
Spring term instruction ends, 1:10 P.M.	S, May 16
Independent study period begins	M, May 18
Final examinations begin	M, May 25
Final examinations end	T, June 2
Commencement Day	M, June 8
Deadline: changed or make-up grades	M, June 15

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

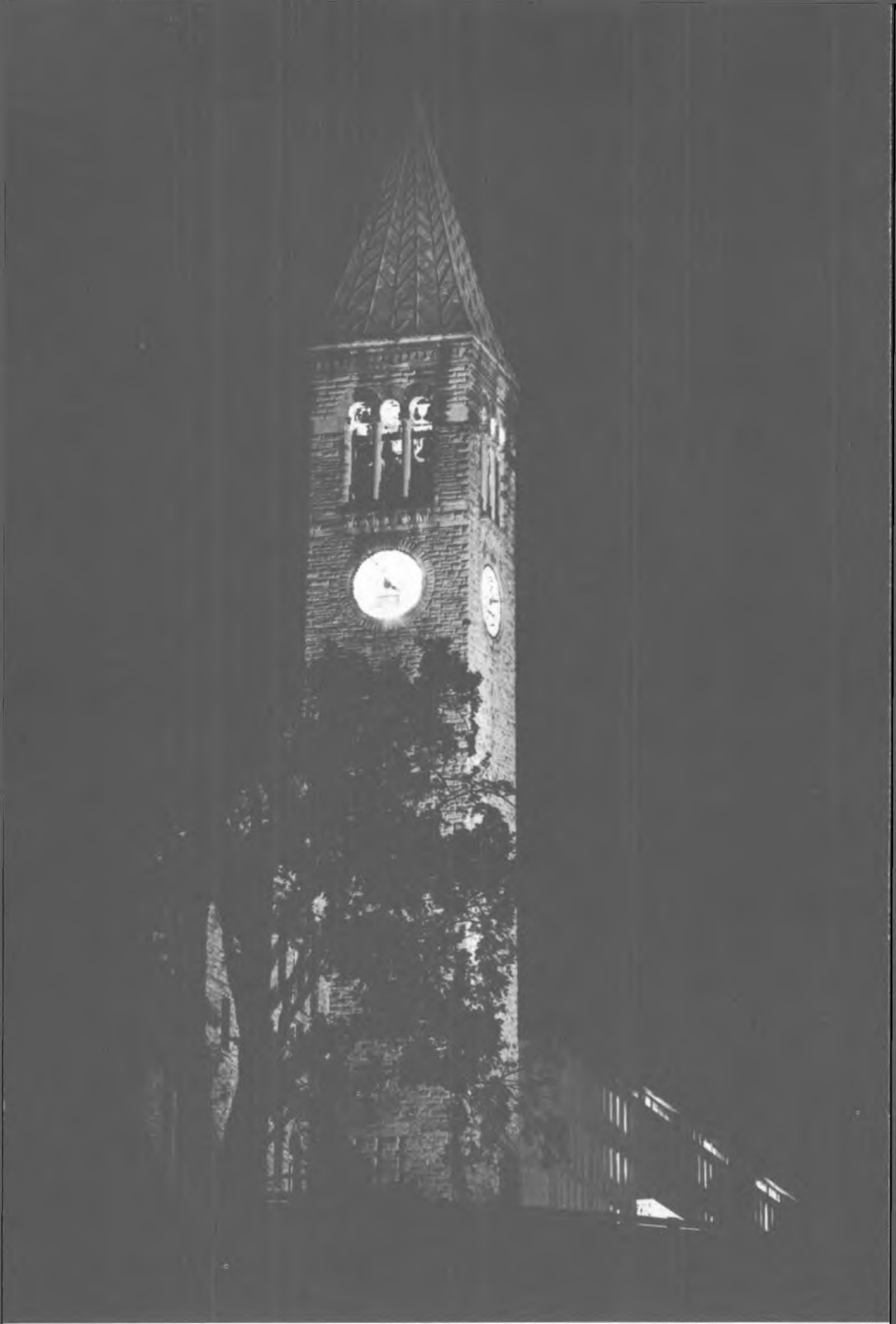
CORNELL UNIVERSITY ANNOUNCEMENTS

Volume 61. Number 1. July 10, 1969. Published twenty-three times a year: five times in October; four times in August; three times in March; twice in May, July, September, and November; and once in January, June, and December. Published by Cornell University at Sheldon Court, 420 College Avenue, Ithaca, New York 14850. Second-class postage paid at Ithaca.

Contents

2	CORNELL ACADEMIC CALENDAR
5	THE FOUNDING
6	CORNELL TODAY
7	CORNELL'S COLLEGES AND SCHOOLS
9	Agriculture
10	Architecture, Art, and Planning
11	Arts and Sciences
14	Engineering
15	Hotel Administration
17	Human Ecology
18	Industrial and Labor Relations
19	Nursing
21	Graduate School
22	Business and Public Administration
23	Law
25	Medical
26	Nutrition
27	Veterinary
27	Summer Session and Extramural Courses
28	Unclassified
29	OFFICER EDUCATION
31	ADMISSION TO CORNELL
48	FINANCIAL AID
49	HOUSING AND DINING
52	OFFICE OF DEAN OF STUDENTS
53	EDUCATIONAL AND VOCATIONAL GUIDANCE
53	READING-STUDY CENTER
55	CAREER, SUMMER PLANS, AND PLACEMENT
55	FOREIGN STUDENTS
55	RELIGIOUS AFFAIRS
56	CAMPUS LIFE
59	HEALTH SERVICES
62	HEALTH REQUIREMENTS
65	PHYSICAL EDUCATION
66	MOTOR VEHICLES
67	EXPENSES
74	CHOOSING A COLLEGE OR SCHOOL
79	INDEX
80	LIST OF ANNOUNCEMENTS

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



The McGraw Tower of Uris Library, with Olin Library in the background.

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 14,000 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 more than eighty-seven 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 700 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 an Ionospheric Observatory 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 fourteen 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. Bachelors' 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



After classes, walking back
to University Halls.

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 New York State Veterinary College and the Cornell University-New York Hospital School of Nursing require two 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 (including the Graduate School of Medical Sciences), the Graduate School of Nutrition, and the Graduate School of Aerospace Engineering all require a baccalaureate degree.

The 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. 74.

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 Science and Doctor of Philosophy. Detailed information may be obtained from the Office of the Dean of the Graduate School.

The College also provides one-year and special adult programs, which are of college level but do not in themselves lead to a degree. Work completed in these programs may be counted toward the Bachelor of Science degree if the student subsequently enrolls in the four-year course. Short courses, not of college level, are offered at irregular intervals to meet the needs of special groups.

A limited number of special students are admitted each year for a one-year curriculum as provisional candidates for the B.S. degree. These students must present the usual entrance requirements of sixteen acceptable units, including four years of high school English, and the Scholastic Aptitude Test of the College Entrance Examination Board. Ordinarily, three units of mathematics are also required. Each student in the one-year curriculum is expected to have approximately one year of work experience appropriate to his objective.

Requests for further information about undergraduate work and special or short courses should be addressed to: Secretary of the College of Agriculture, Roberts Hall.

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 and practice of art. At the graduate level, instruction is given in the history of architecture, urban design, architectural sciences, city and regional planning, and art.

The major part of the instruction is given in Ithaca, but students also take part in the College's New York City Program, with facilities at 200 Park Avenue South, where each undergraduate spends a term in the fourth year.

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.

The four-year curriculum leading to the degree of Bachelor of Fine Arts provides professional instruction in the practice of painting, sculpture, and graphic design, supplemented by a con-

siderable body of work in the history of art and in general academic subjects.

A number of advanced degrees are offered in the College, all of which require more than a single year of graduate study.

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, or related subjects and who wish to undertake graduate study in the history of architecture 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 design, 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.

In the field of city and regional planning, students who hold degrees in architecture, landscape architecture, or engineering, or who hold the B.A. or B.S. degree with a major in one of the social sciences or the humanities may apply for admission as candidates for the degree of Master of Regional Planning. 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 qualified students interested in teaching and advanced scholarly research.

Requests for further information should be addressed to: Office of the Dean, College of Architecture, Sibley Hall.

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. The student's program is so arranged that, for the first two years, he 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



A creek on campus in late winter.

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 at all times he may have the assistance of a faculty adviser and 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: 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, Semitics, 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, international studies, Latin American studies, and social psychology.

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 the 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" on p. 37.)

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*.)

Six-year Ph.D. Program

For the superior student who intends to go on to doctoral study in the liberal arts or sciences, the College offers a special program which leads to the A.B. degree in three years, the M.A. in four, and the Ph.D. in six. The program balances acceleration with enrichment, providing an integrated course of study with a strong liberal arts core. In their undergraduate years, students in the program will be freed of formal requirements and will be given a series of special seminars, along with a selection of courses in the College. In their graduate years, they will take advantage of Cornell's uniquely flexible procedures, which allow each student to plan a special program of study.

THE COLLEGE OF ENGINEERING

Engineering today has one constant factor: *change* in material needs, goods, and services, and *change* in the outlook within the engineering profession. To maintain a complementary vitality in education, the College of Engineering offers programs of considerable breadth and flexibility. All Cornell engineering students complete a core program during their first two years which consists of science, mathematics, engineering sciences, humanities, and social sciences. Among the strengths of engineering education at Cornell are the resources of the strong and diverse faculty in this broadly constituted University.

After completing the basic programs of the freshman and sophomore years in the Division of Basic Engineering studies, a student may enroll in one of the College's *Field Programs* or in the *College Program*.

Field Programs are offered in chemical, civil, electrical, industrial, and mechanical engineering, engineering physics, and materials science and engineering. To prepare for entry into one of these fields, the student takes appropriate engineering science courses during his sophomore year. After completing the senior year, a graduate of a Field Program may earn the professional Master's degree in one additional year. For this degree, the student follows a three-year integrated program of studies in a particular engineering field—two years in the undergraduate program and one in the graduate.

The Engineering Cooperative Program sponsored by the College invites students who are interested in gaining valuable experience in industry while they go to school to accomplish this objective at Cornell. The Program is offered to students enrolled in mechanical, industrial, or electrical engineering, or engineering physics. By taking his fifth-term courses during the summer after

the sophomore year and working in industry during the fall of junior year and during the succeeding two summers, the student gains a full year's industrial experience without extending the date of his graduation.

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

The College Program accommodates a variety of career interests. Among them are more intensive work in the fundamental engineering sciences or in one area of a professional field, and interdisciplinary work within the various fields of engineering or with engineering and other curricula offered at Cornell. The College Program gives Cornell engineering students and participating faculty the opportunity to study new areas of engineering and the applied sciences. Many of these new areas cannot be successfully developed within one field because they represent the interests of many. With the wide range of courses in the various undergraduate divisions at Cornell, many combinations of programs can be developed in a College Program.

Graduates of either the Field Program or the College Program who intend to enter research in applied science or in a specialized engineering area may apply for candidacy in the Master of Science or Doctor of Philosophy program upon receiving the Bachelor's degree. Before beginning such studies, they will decide which level of preparation they want in engineering—M.S. or Ph.D. degree, or professional Master's degree. It is anticipated that most students will continue their education beyond the B.S. degree.

Students may also undertake graduate work in aerospace engineering, computer science, nuclear science and engineering, operations research, and theoretical and applied mechanics. They may enroll in a limited number of such courses while they are undergraduates.

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 food science and food service management, food facilities engineering, hotel and restaurant engineering and maintenance, general accounting, specialized hotel and restaurant accounting,



Chimesmistress at the keyboard
in the Library Tower.

data processing, business administration, personnel management, marketing, insurance, real estate management, and tourism. The program is technical in that it requires a concentration of effort in scientific courses necessary for an adequate background in a field where highly skilled personnel must be provided. Yet it is sufficiently broad to allow for optional courses that are of value to those who are looking forward to positions of leadership.

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.

Requests for further information should be addressed to: School of Hotel Administration, Statler Hall.

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 leads 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 promotion and testing of such items as foods, textiles, household and institutional equipment, and furnishings; in teaching at all levels from pre-school through college, and in co-operative extension; in research programs; and in writing, radio, and television positions.

Inquiries about the undergraduate program may be addressed to: Committee on Admissions, College of Human Ecology, Martha Van Rensselaer Hall. Requests for information about graduate study may be addressed to the Graduate School, Sage Graduate Center.

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 new 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.

The four-year undergraduate program develops an understanding of urban industrial society by providing a general education

in the social sciences, a number of courses designed to produce special competence in industrial relations, and complementary electives in the humanities. The first two years are spent in required courses, half in the School and half elsewhere in the University, mainly in the College of Arts and Sciences. In the upper-class years, students are free to pursue elective courses, again about evenly divided between those given in the School and those offered elsewhere in the University.

Undergraduates wishing to prepare for graduate work in one of the basic social sciences may use out-of-college electives to establish 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: Director, Office of Resident Instruction, School of Industrial and Labor Relations, 101 Ives Hall.

THE CORNELL UNIVERSITY-NEW YORK HOSPITAL SCHOOL OF NURSING

The nursing major, which is two academic years in length, 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.

Admission to the nursing major is dependent upon satisfactory completion of sixty semester hours (two years) of courses in general education which 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. The first two years of college may also be completed in any regionally accredited university, college, or junior college.

This four-year program offers preparation for professional nursing and leads 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: Director of Admissions Relations, Cornell University-New York Hospital School of Nursing, 1320 York Avenue, New York, New York 10021.



Noyes Lodge, on the shore of Beebe Lake, is a favorite place for dining and coffee.

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 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 Office of the Dean of the Graduate School, Sage Graduate Center. 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. (See the appropriate one of the four *Announcements 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 and public service. Accordingly, the School offers work in many disciplines to provide the potential business or public executive 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 executive must possess will be developed in part from the constant challenge and stimulation of experience, education in business or public 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 or Master of Public 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. Candidates for either the M.B.A. or M.P.A. degree may also elect a concentration in hospital and health services administration, to be taken, essentially, in the Sloan Institute of Hospital Adminis-

tration, an integral part of the Graduate School of Business and Public Administration. In addition, 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: Director of Admissions and Student Affairs, Graduate School of Business and Public Administration, Malott Hall.

THE LAW SCHOOL

The primary function of the Law School is to prepare for both public and private practice attorneys 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 admin-



Sage Graduate Center, headquarters of the Graduate School and also a graduate student residence hall.

istration, 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 both schools 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 and who have already received a first professional degree in law.

Requests for further information should be addressed to: Director of Admissions, Law School, Myron Taylor Hall.

THE MEDICAL COLLEGE

Cornell University Medical College is located at the center of a large complex of medical teaching, research, and treatment institutions 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. In general, the first two years are devoted to study of the basic sciences of anatomy, microbiology, pathology, physiology, biochemistry, public health, and pharmacology, while the last two years present training in the clinical sciences of internal medicine, 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 utilizes the clinical facilities of The New York Hospital; Memorial Sloan-Kettering Cancer Center; Manhattan Eye, Ear, and Throat Hospital; and the Hospital for Special Surgery. Requests for information should be addressed to: 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 of Cornell University offers facilities for advanced study and research for graduate students desiring a comprehensive view of certain areas of knowledge and training for investigation in various specific Fields. The Graduate School of Medical Sciences offers curricula leading to the degree of Doctor of Philosophy in the Fields of Anatomy, Biochemistry, Biology, Biomathematics, Biophysics, Biostatistics, Cell Biology, Genetics, Microbiology, Neurobiology and Behavior, Pathology, Pharmacology, and Physiology. The School also offers curricula leading to the Master of Science degree in certain of these Fields. The School consists of the Sloan-Kettering Division and a division in the Medical College. The facilities of the Medical College and of the Sloan-Kettering Institute for Cancer Research are utilized in all graduate programs in the School. Requests for information should be addressed to: Office of the 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 training and research programs in nutrition leading to careers in the biological and social sciences for both men and women. The Master of Nutritional Science (M.N.S.) and Master of Food Science (M.F.S.) degree programs offered include a planned curriculum and a selected research problem, both of which are usually completed in two years including one summer. In these programs, emphasis is placed on the basic principles of nutrition as well as a broad background in a variety of subjects in the biological and physical sciences. Special instruction is available to students whose previous academic training has not necessarily been in the field of nutrition. In addition, students take courses and conduct research in one of the following selected specializations: nutritional biochemistry, experimental animal nutrition, and human nutrition including international nutrition, public health nutrition, and clinical nutrition.

These programs of the Graduate School of Nutrition are designed for students who wish to work in the biological or social sciences as they are related to nutrition. The broad background resulting from study in the School is also excellent for students wishing to continue in a doctoral program in nutrition or a related science such as biochemistry, physiology, or sociology. In fact, numerous students have found the M.N.S. and M.F.S. degree programs very helpful in selecting an area of study leading to the more advanced degree.

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: Secretary, Graduate School of Nutrition, Savage Hall.

THE NEW YORK STATE VETERINARY COLLEGE

The Veterinary College curriculum, which requires four academic years, provides a broad biological background in the science and art of veterinary medicine. Training includes instruction in the normal and abnormal structure and the functions 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 many 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 two years of college work with credits in several specified subjects and satisfaction of a farm practice requirement (not required of women). 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 non-credit courses during the summer for graduate, undergraduate, and non-degree 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. A variety of programs involving the faculties of the various schools and colleges of the University are available during the summer. In addition to formal credit courses characteristic of the regular academic year, a variety of specially designed programs serve the needs of special groups by means of institutes, conferences, seminars, and short courses. All the necessary facilities of the University are available to persons registered in the Summer Session. Students enjoy the attractive summer-time environment of the University's location in the Finger Lakes region.

EXTRAMURAL COURSES. Through this means of 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 Extramural Division 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: Director, Summer Session and Extramural Courses, B-20 Ives Hall.

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 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 Director in 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 Director 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.

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 complete a two-year or a four-year course of study in a ROTC program and must meet certain physical standards. 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 any particular time.

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



The esplanade before the Clark Hall of Science.

ADMISSION TO CORNELL

The first step toward entering an undergraduate college or school is to write to the University Office of Admissions, Edmund Ezra 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 fifteen 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 (formerly Home Economics); 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 competes only with those seeking entrance to the same division of the University, and that 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) the total enrollment in any one division is limited. Transfer into the College of Arts and Sciences is especially affected by these restrictions and may not be accomplished until one year after matriculation. The selection of the proper college course 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.

The University welcomes applications for admission from all

those who are interested in studying at Cornell, regardless of race, religion, creed, or nationality.

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 eighty-seven foreign countries. The University is proud of the cosmopolitan and democratic makeup of its stu-

dent 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—Agriculture, Human Ecology, Industrial and Labor Relations, and Veterinary—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—Arts and Sciences; Architecture, Art, and Planning; Engineering; and Hotel Administration—impose no restrictions as to residence. In choosing 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.

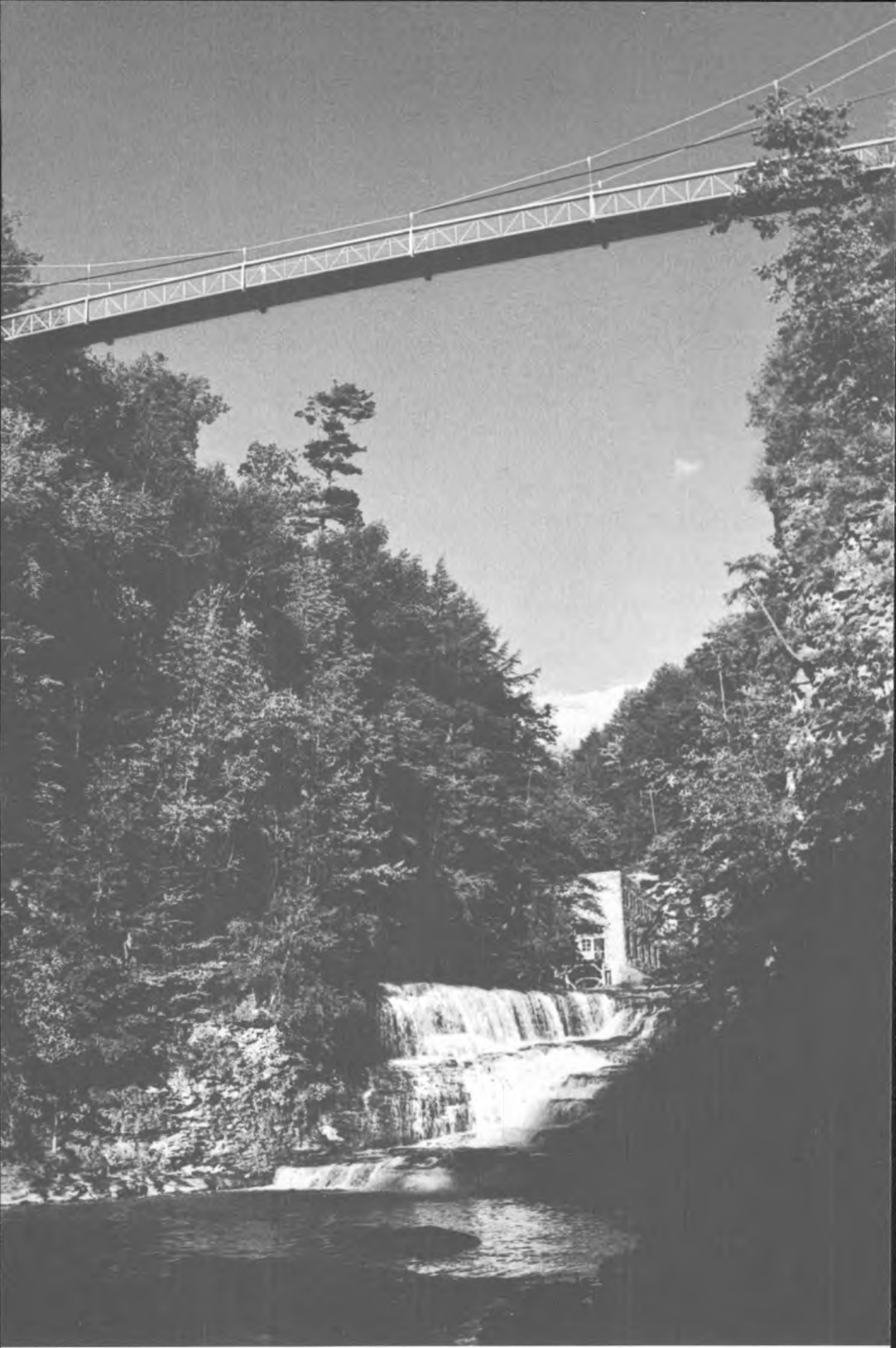
ADMISSION PROCEDURE

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 an additional form, known as 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.

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 sub-



The suspension bridge and Fall Creek Gorge
at the northern edge of the campus.

jects 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. (See the section "Entrance Subjects and Units," pp. 43-45.)

Application Due Dates For Freshman Applicants

Applications for admission and financial aid in September, 1970, should be submitted by January 1, 1970, if at all possible. Assembling complete records for all candidates takes considerable time, and the careful review of applications is a long, detailed process. This January 1 date has been set to provide adequate time to process and review applications. (See also "Financial Aid," pp. 48-49.)

Some prospective students, however, may not find it possible to have their applications on file by January 1, as recommended above. Hence some leeway has been provided in the schedule as follows:

ARCHITECTURE, ART, AND PLANNING; ARTS AND SCIENCES: January 15 is the final due date, after which no further applications can be considered.

ENGINEERING, HUMAN ECOLOGY, HOTEL ADMINISTRATION, INDUSTRIAL AND LABOR RELATIONS, AND VETERINARY: February 15 is the final due date, after which no further applications can be considered.

AGRICULTURE: February 15 is the due date after which no further applications can be considered except as noted below.¹

Early Decision

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

1. Late applications will be accepted for this division if places in the class remain to be filled, and if requests for such applications are approved by the College of Agriculture. A student who wishes a late application should explain in a letter why the request is being made late. Such letters should be addressed to Professor L. H. Harden, 195 Roberts Hall.

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 male high school seniors. Under the plan, these senior men 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 senior men 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.

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 interviews.

Students interested in the Colleges of Agriculture, Engineering, and Human Ecology may request interviews weekdays from 10:10 A.M. to 12:00 M. and 2:00 P.M. to 4:00 P.M. on a year-round basis (except holidays and Sundays).

Interviews for the College of Arts and Sciences may be scheduled on weekdays from 9:00 A.M. to 12:00 M. and 1:30 P.M. to 4:00 P.M. On-campus interviews cannot be scheduled from February 1 through March 31.

Saturday interviews are available for the College of Arts and Sciences from 9:00 A.M. to 12:00 M. and for the Colleges of Agriculture and Engineering from 10:00 A.M. to 12:00 M. During July and August, Saturday interviews are not available for any of these divisions or for the College of Human Ecology.

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.

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.

Four divisions of the University—Agriculture, Engineering, Hotel Administration, the Veterinary College—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.

Most financial aid notification announcements are also mailed about mid-April to candidates for all divisions.

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,” pp. 67–73). 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 English, four units, and college preparatory mathematics, three units, are required. It is strongly recommended that high school students carry enough courses to offer eighteen entrance units and that these include biology, chemistry, and physics.

The Scholastic Aptitude Test of the College Entrance Examination Board is also required. Applicants are encouraged to complete College Board Achievement Tests in two of the following: English composition, mathematics, science.

A special one-year course is also available in the College. For details consult the *Announcement of the New York State College of Agriculture*.

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. 14). 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.). Sixteen units including English, four; mathematics, four; foreign language, three (see above) are required.

Mathematics must include intermediate algebra, plane geom-

etry, 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.). Sixteen units including English, four; college preparatory mathematics, two; foreign language, three (see p. 38) are required. 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;¹ 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

1. 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.



Working on a still life in a painting class.

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. One additional year is required for the professional Master's degree in the appropriate field.

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, 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.

The College of Human Ecology admits students who have strong academic potential as indicated by their College Board test scores and who have demonstrated achievement as indicated by their high school records. The freshman class entering in the fall of 1968 had a median SAT verbal score of 629 and mathematical score of 616; 72 percent of the freshmen had SAT verbal scores of 600 or higher, and 70 percent had mathematical scores of 600 or higher. Ninety-three percent were in the top fifth of their high school graduating classes.

Hotel Administration, B.S., four years

Sixteen units are required. These must include English, four units; mathematics, three units; and science, one unit (chemistry or physics preferred in that order). The remaining units should include additional mathematics and sciences, social sciences, and a foreign language. The Scholastic Aptitude Test of the College

Entrance Examination Board is required of all students, including those from foreign countries.

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

Satisfactory completion of two years' study in an approved college or university is required for entrance. The two years of study must include English, six hours; physics, six hours; biology or zoology, six hours; and chemistry, twelve hours including organic chemistry. See the *Announcement of the New York State Veterinary College*.

ENTRANCE SUBJECTS AND UNITS

Listed below are the subjects that may be offered to satisfy entrance requirements, in addition to those specified in the sections above, and the number of entrance units that may be credited in each subject. A unit represents a year of study in a given subject in a secondary school. Ordinarily, it takes 120 hours of classroom work to satisfy the requirements of a year's study, that is, a minimum of 160 class periods if each period is forty-five minutes long. Two hours of laboratory are considered equivalent to one hour of classroom work. In drawing and industrial arts, 240 hours are required to earn one unit and 120 hours to earn one-half unit.

ENTRANCE SUBJECTS

ENGLISH, four years (required of all entering students)4
 FOREIGN LANGUAGES (modern and ancient)1, 2, 3, or 4
 (To present a foreign language for entrance credit, it is desirable to have had at least three years, although credit will be granted for a single year of study in not more than two languages.)



Ives Hall as seen from the Industrial and Labor Relations Quadrangle.

MATHEMATICS

Elementary algebra	1	Plane geometry	1
Intermediate algebra	1	Solid geometry	1/2
Advanced algebra	1/2	Plane trigonometry	1/2

Or (for schools following the recommendation of the College Board

Commission on mathematics):

College preparatory mathematics 1, 2, 3, or 4

SCIENCES

Biology	1	Earth science	1/2-1
Botany	1/2-1	Physics	1
Chemistry	1	Zoology	1/2-1
General science	1		

(If a unit in biology is offered, a half-unit in botany and a half-unit in zoology may not be counted.)

HISTORY, including social studies (each course) 1/2-1

VOCATIONAL SUBJECTS

Agriculture	1/2-7	Home economics	1/2-2
Bookkeeping	1/2-1	Industrial arts	1/2-1
Drawing	1/2-1		

ELECTIVES: any high school subject or subjects not already used and acceptable to the University 1/2-2

ENTRANCE UNIT CREDIT

In the 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 be granted only in those subjects in which the candidate attains the college recommending 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 college recommending mark of the school in the final year of the sequence.

Failure to reach the recommending mark in a subject may be overcome by repetition of the course, by completing the appropriate College Entrance Examination Board Achievement Test at a satisfactory level, or, if the candidate has prepared for college in New York State, by an acceptable grade on the appropriate State Regents Examination.

The Regents Examinations, prepared by the New York State Education Department, are not required by any division of the University. 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 have the opportunity to qualify for advanced placement (and often for advanced standing credit) in these areas of study: biological sciences, chemistry, English, history, Latin, literature, mathematics, modern foreign languages, music, and physics.

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 of the departments listed above offer their own examinations at entrance, however, as an alternative or supplementary method of seeking advanced placement or credit.

Details about this program are contained in the *Announcement of the College of Arts and Sciences* (1969-70).

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 should request the College Entrance Examination Board to send their test scores to Cornell University.

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

A student who has attended another college or university and wishes to transfer to an undergraduate course at Cornell uses the same application form as a prospective entering freshman; the same application due dates stated on p. 35 are applicable for entrance in the fall term with the exception of the Colleges of

Agriculture and Engineering and the School of Industrial and Labor Relations, which will accept transfer applications until April 15. While all divisions of the University accept a limited number of transfers for the fall term, Agriculture, Engineering, Human Ecology, Hotel Administration, and Industrial and Labor Relations consider applications also for the spring term. Applications for the spring term are accepted by the College of Architecture, Art, and Planning for only the Program in Art. For entrance in the spring term, an application should be filed during October or November with a deadline date of December 1, with the exception of Human Ecology for which the deadline date is November 1.

Each applicant will be asked to furnish secondary school academic credentials on a standard secondary school report form, which will be sent to the applicant for transmittal to his high school as soon as the formal application for admission has been received by the Office of Admissions.

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.

When a transfer candidate submits an application, he will receive a leaflet entitled *Transfer to Cornell University*, which contains complete instructions including College Entrance Examination Board test requirements. If time allows, however, the prospective transfer candidate is urged to write to the Office of Admissions for this leaflet *before submitting his application* so that he will be aware of College Board test requirements for the program of his choice.

Because of the very limited number of openings available, only a few students can be accepted for transfer admission in the College of Arts and Sciences. Consequently, serious consideration can be given 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.

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. 67-73) should be examined carefully. An entering freshman who needs supplementary funds should have clearly in mind the additional amount needed in his particular case. Financial aid opportunities in the form of scholarships, long-term student loans, and term-time employment are available.

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 job and/or loan help. The trend is toward such package awards, although candidates with exceptionally strong qualifications are likely to have most of their need met by scholarship alone. Similarly, those who do not qualify for scholarship aid may be offered loans or job help only.

Scholarships offered to freshmen vary in value, depending on the winners' need and promise. Loan help is limited to \$1,000 a 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.

In addition, a limited number of undergraduate scholarships and grants-in-aid are awarded to students with need who have completed their freshman year. In general, students who rank in the top one-third of the class are eligible.

New York State candidates interested in the New York State Regents scholarship program should apply to local school authorities 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.

Inquiries should be addressed to the Office of Scholarships and Financial Aid, Edmund Ezra Day Hall.

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. *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 AND DINING

UNDERGRADUATE MEN

Attractive, quiet residence halls for approximately 2,000 men are provided by the University. They are a five-minute walk from the center of the campus and are situated on a fifteen-acre plot to the west of the main campus, overlooking Cayuga Lake to the north and the valley to the southwest. The area is bounded by West, University, and Stewart Avenues, and Campus Road. There are two groups of residence halls: the Baker group and University Halls.

The Baker group comprises Baker Tower, Founders Hall, North and South Baker Halls, Boldt Hall and Tower, Mennen Hall, Lyon Hall, and McFaddin Hall. The buildings are English collegiate in design, and they accommodate about 650 men.

University Halls, consisting of six buildings, were opened in 1954 and accommodate 1,350 men. They are of modern construction and offer excellent study, social, and recreational facilities.

The North Campus Student Residences, a group of new residence halls, are currently being constructed adjacent to existing women's dormitories on the north side of the campus. When completed, this group will consist of eight low-rise dormitories housing 144 students each, two high-rise buildings for 180 students each, and a new student center. The first three of the low-rise buildings will be completed and occupied in September of 1969. The basic unit consists of a suite of two single and two double rooms with a shared bath. Six such suites have a common lounge and study room. For the year 1969-70 one of the new residence halls will be coeducational, housing 72 men and 72 women. The other two will house undergraduate men. A limited



The University Orchestra in rehearsal
in Barnes Hall Auditorium.

number of these spaces will be allotted to the incoming freshman class.

The Agnes and Jansen Noyes Center, situated in the men's residential area, contains dining services, lounges, activity rooms, study areas, typing rooms, and music rooms.

Freshman men are required, under University policy, to live in a residence hall for their freshman year. Other classes may live in residence halls, fraternity houses (for members only), rooming houses, cooperative houses, private homes, or apartments.

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

UNDERGRADUATE WOMEN

Cornell University provides comfortable, well furnished residence halls and dining rooms for undergraduate women students. Most undergraduate women whose regular residence is outside the Ithaca area are required to live in University residence halls, or in sorority houses (for members only).¹ Information about exceptions to the housing rules may be obtained from the Office of the Dean of Students.

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.

An optional dining plan is offered for students who may wish to prepay some of their board costs rather than paying cash for each meal. Details of this optional dining arrangement are described in *A Guide to Student Dining*, which will be mailed with room assignments.

An application form for living accommodations for undergraduate women will be sent to each candidate by the Office of Admissions with the notice of provisional acceptance to the University.

GRADUATE STUDENTS

The University has two residence halls for graduate students. The Sage Graduate Center accommodates 190 men and women, the Cascadilla Hall houses 155 men and women. The dining service in the Sage Graduate Center is available to all graduate

1. For the academic year 1969-70, the dormitory residence requirement has been suspended for sophomore, junior, and senior women.

students and faculty. Graduate students who wish to apply for housing should write to the Department of Housing and Dining Services, 223 Edmund Ezra 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, male law students, and it also has a dining room. Matriculating law students will receive an application form with their acceptance letter from the Law School.

MARRIED STUDENTS

Unfurnished apartments for 420 married students and their families are provided by Cornell in the Cornell Quarters (81 apartments), Pleasant Grove (94 apartments), and Hasbrouck (245 apartments).

OFF-CAMPUS HOUSING

All students living off campus must reside in properties that have been approved by the University. Information on approved housing that is currently available may be obtained at the Off-Campus Housing Office in 223 Edmund Ezra 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 Department of Housing and Dining Services, Edmund Ezra Day Hall.

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 adults and student counselors 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

Center for reading and study skills (see below).

Career, Summer Plans, and Placement Center, p. 55.

Cornell United Religious Work (religious affairs), pp. 55–56.

Educational and vocational guidance (see below).

Financial aid, term-time employment, and scholarships, pp. 48–49.

Health services, medical care, mental health services, pp. 59–61.

Housing and dining services, pp. 49–52.

International Student Office (foreign students), p. 55.

Off-campus housing, p. 52.

Student unions (Willard Straight Hall, Agnes and Jansen Noyes Center), pp. 58–59.

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 also be referred to the University Guidance and Testing Center, 375 Olin 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 five-week noncredit courses in reading and study



As part of his training in the Cornell Medical College (New York City), and under the supervision of an attending pediatrician of the College staff, a fourth-year student examines a small patient in the well-baby clinic at The New York Hospital.

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 efficiently 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 at 14 East Avenue is a clearing house for jobs in business, industry, government, and teaching, as well as study programs leading to the professions. It serves as an information center for careers, teacher placement, fellowships, techniques of job hunting, and summer experiences (work, study, travel, service projects). More than a thousand recruiters visit the campus each year, representing employers and graduate schools. Students and faculty may be kept up to date on the Center's activities by registering to receive the *Newsletter*. Alumni may be served by either the *Job Bulletin* or the *Bulletin of Registrants Available*.

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, 142 Edmund Ezra Day Hall, when they arrive at Cornell.

RELIGIOUS AFFAIRS

Although Cornell is a nonsectarian institution, religious affairs assume a large and important place on the campus. Cornell

United Religious Work, the University's division of religious affairs, makes ample provision for fostering the religious life of students in a manner consistent with Cornell's historic principle of freedom for all religious traditions but control by no single group. Anabel Taylor Hall, Cornell's spacious center for religious activities, is widely known throughout the country. Cornell United Religious Work is staffed by fifteen University chaplains representing major faiths at Cornell, and by a director and his associates, all of whom counsel, teach, and serve students. CURW combines the concerns of those affiliated with the religious groups and also of those others who wish to increase their self-understanding and to serve the campus and the community without formal membership in any established group.

Within CURW there is opportunity for worship, study, and service: *worship*, through Sunday morning nondenominational services in Cornell's Sage Chapel at which distinguished clergymen from various religious groups preach, and through the denominational services held in Anabel Taylor Hall and in churches in the Ithaca area; *study*, through noncredit courses in religion, special lectures, seminars, and discussion groups; *service*, through many programs enabling students to do significant volunteer work in social agencies of the local community, in distant communities where special needs suggest special projects, and in areas of need overseas.

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 organizations, 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.

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. At Cornell, there is varsity and freshman competition 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, bowling, basketball, cricket, golf, gymnastics, hiking, hockey, outing club work, paddleball, riding, Rugby, sailing, skating, skiing, soccer, softball, squash, swimming, tennis, touch football, track, and volleyball.

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 on the campus and on tour. The University Faculty Committee on Music sponsors visiting soloists and major orchestras in the Bailey Hall 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*; literary magazines, the *Trojan Horse*, and *Dialogue* magazine; and a number of magazines relating to special fields of interest such as the *Cornell Engineer*, the *Cornell Countryman*, and the

Cornell Law Quarterly. Cornell students are also involved with the private publication of the *Cornell Daily Sun* and several New Left offerings from the Glad Day Press.

STUDENT CONDUCT

Standards of conduct at Cornell are established by student governing bodies, with the approval of the Faculty Committee on Student Affairs, and are contained in the handbook entitled *Policies and Regulations on Student Conduct*. Although these standards permit a great deal of personal choice, the emphasis is placed on individual responsibility and assumes an acceptance on the part of a student of a modification of his personal freedom for the benefit of the educational community in which he lives. All Cornell students are expected to become familiar with these rules and regulations. Complaints relating to student conduct are considered by the code administrator in the Office of the Dean of Students and the appropriate judicial boards.

STUDENT UNIONS

There are two student unions at Cornell: Willard Straight Hall, which has served student needs since 1925, and the Agnes and Jansen Noyes Center, which was opened in the fall of 1967. Students have full access to both buildings and the use of their many services by virtue of payment of the General Fee.

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 library; lounges; a music room; a room for the exhibition of works of art; a craftshop; a barber shop. Pictures and phonograph records are available for rental to students. Dining services include a cafeteria, snack bar, dining room, and rooms for private luncheons and dinners.

The Noyes Student 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. The facilities include dining service, study lounges, meeting rooms, a music listening room, an exercise area, a game room with table tennis and billiards, and an information and service desk selling sundries, newspapers, and magazines.

The programs and activities available to students for extra-curricular recreation and learning are of primary importance. They are planned by members of the Noyes Center Council, which consists of students, faculty, and staff. 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.

THEATRE ARTS

Extensive programs in dramatic production are conducted by Cornell students under the sponsorship and general supervision of the Department of Theatre Arts. A wide variety of productions is presented each year in the University Theatre, Drummond Studio, and Kaufmann Auditorium.

Through the facilities of the Department and the Independent Film-Makers at Cornell, students are provided with film-making opportunities. The University Theatre film program presents an annual series of distinguished foreign and American films, providing the University community with unusual opportunities to explore the art of the cinema.

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 AND FEES. All 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 adjusts the triaxial soil-testing apparatus before testing a special soil sample as part of the research conducted by the Department of Geotechnical Engineering in the College of Engineering.

A student may consult a physician at the Clinic whenever need arises. He may make an individual appointment with a particular doctor at the Clinic if he wishes; appointments may be made by telephone or in person at the Clinic.

Emergency Service: Students who need medical attention during the hours 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 275-3493 during Clinic hours or 272-6962 after Clinic hours.

Hospitalization in Sage Infirmary for a maximum of fourteen days each term is included. (A per diem charge is made if hospitalization extends beyond fourteen days.) Hospital service includes medical and emergency surgical care, as well as laboratory and x-ray examinations indicated for diagnosis and treatment. (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 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, include 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. On a voluntary basis insurance is available 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. Information about this insurance may be obtained at the Gannett Medical Clinic.

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 for more than 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 one year 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 for more than 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



On the Agriculture Quadrangle, with Comstock Hall on the right and Bailey Hall in the background.

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 condition 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 Robert D. Miller (University Faculty); Professor James O. Mahoney (College of Architecture, Art, and Planning); Professor Herbert L. Everett (College of Agriculture); Director Donald P. Dietrich, Office of Resident Instruction (School of Industrial and Labor Relations); Professor Howard G. Smith (College of Engineering); Professor Ellis P. Leonard (Veterinary College); Dean Robert A. Beck (School of

Hotel Administration); Dean Alfred E. Kahn (College of Arts and Sciences); Professor Martin W. Sampson (Division of Unclassified Students); Professor Jean Failing, Coordinator, Resident Instruction (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 in Tompkins County must register it with the Safety and Security Division unless that vehicle is otherwise currently registered with the Division of Safety and Security. Freshmen are not permitted to own, maintain, or operate motor vehicles in Tompkins County. All students must register motor vehicles within the prescribed time for University registration at the beginning of the fall term (*exception*: students who are not then subject to this rule but later become subject to it must register vehicles within five days after becoming so subject). Non-registered vehicles may not be parked on campus at any time. (Students entering the University for the spring semester or reentering after a period of absence must register motor vehicles with the Safety and Security Division at the time of, or within the time for, general registration.)

Every student who has a motor vehicle must comply with the following requirements: (1) the student must be legally qualified to operate a motor vehicle in New York State; (2) the vehicle must be registered in New York State or legally qualified to be operated on the highways of New York State; (3) the vehicle must be effectively insured against public liability for personal injury and property damage for the minimum of \$10,000—\$20,000—\$5,000, for the duration of such registration and while the vehicle is under the control of the registering student; (4) the registration fee covering the fall and spring terms, or any part thereof, is \$4.00 and is due and payable in the Treasurer's Office on the same date as tuition and other fees; in the case of late registrants, the fee will be due within a week after such registration. A fine is levied if the vehicle is not registered within the specified time. There will be no rebate of the registration fee.

No student may park his motor vehicle on the campus from 8:00 A.M. to 5:00 P.M. Monday through Friday, or from 8:00 A.M. to 1:00 P.M. Saturdays. Certain areas are restricted twenty-four hours a day; such areas include "no parking" zones, dormitory parking areas, and areas listed as limited at all times to holders of specific permits.

Special area parking permits are issued only after careful consideration by the Safety and Security Division Office. Extenuating circumstances (physical disabilities, etc.) are the basis for the issuance of these permits.

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.

Correspondence regarding motor vehicles should be addressed to the Board on Traffic Control, G-2 Barton Hall.

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 given by the libraries, the Gannett Clinic and Sage Infirmary, and the students unions in Willard Straight Hall and Noyes Student Center; 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 \$61.00 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. 68-69.)

TABLE 1. TUITION AND GENERAL FEE

COLLEGE, SCHOOL, OR DIVISION	TUITION	GENERAL FEE	TOTAL EACH TERM
ARCHITECTURE, ART, AND PLANNING	\$925.00	\$250.00	\$1,175.00
ARTS AND SCIENCES	925.00	250.00	1,175.00
ENGINEERING	925.00	250.00	1,175.00
GRADUATE SCHOOL, with major field of study in an endowed division	910.00	265.00	1,175.00
GRADUATE SCHOOL, if the major chairman is on the faculty of a statutory division,* or the Graduate School of Nutrition	200.00	287.50	487.50
AEROSPACE ENGINEERING ..	925.00	250.00	1,175.00
BUSINESS AND PUBLIC ADMINISTRATION	925.00	250.00	1,175.00
HOTEL ADMINISTRATION ...	925.00	250.00	1,175.00
LAW	750.00	212.50	962.50
AGRICULTURE:			
Resident†	200.00	175.00	375.00
Nonresident	300.00	275.00	575.00
HUMAN ECOLOGY:			
Resident†	200.00	212.50	412.50
Nonresident	300.00	312.50	612.50
INDUSTRIAL AND LABOR RELATIONS:			
Resident†	200.00	150.00	350.00
Nonresident	300.00	250.00	550.00
VETERINARY:			
Resident†	200.00	212.50	412.50
Nonresident	300.00	312.50	612.50
UNCLASSIFIED STUDENTS ...	925.00	250.00	1,175.00
EXTRAMURAL COURSES:			
Tuition per credit hour	55.00		

* The four statutory schools or colleges at Cornell are Agriculture, Human Ecology, Industrial and Labor Relations, and Veterinary.

† A resident is a person who has been a bona fide resident of the State of New York for at least one year prior to registration for each term in one of the four statutory schools or colleges at Cornell (as named in the preceding footnote).

An *application fee* of \$15.00 must be paid at the time an application for admission is submitted to any division.

A *registration fee* of \$50.00 must be paid after the applicant has received notice of provisional acceptance from any of the following divisions: Agriculture; Architecture, Art, and Planning; Arts and Sciences; Engineering (except Graduate School of Aerospace Engineering); Human Ecology; Hotel Administration; Indus-

trial and Labor Relations; Unclassified; and Veterinary. This fee covers matriculation charges and certain graduation expenses and establishes a fund for undergraduate and alumni class activities; it does not apply toward the first term's tuition or the General Fee.

A *registration fee* of \$35.00 must be paid after the applicant has received notice of provisional acceptance from any of the following divisions: Graduate School, Graduate School of Business and Public Administration, Graduate School of Aerospace Engineering, Graduate School of Nutrition. The fee does not apply toward the first term's tuition or the General Fee.

A *registration fee* of \$50.00 must be paid after the student has received notice of provisional acceptance from the Law School. The fee covers matriculation expense and student activities.

A *deposit* of \$30.00 against the cost of a uniform is payable at registration in the first term by those enrolling in the basic courses in military and air science. Most of the deposit is returned as earned uniform allowance upon completion of the two-year basic course. If the student withdraws prior to completion of the course, he will owe for the total cost of the uniform less any uniform allowance earned and less a portion of the deposit.

Transfer Tuition

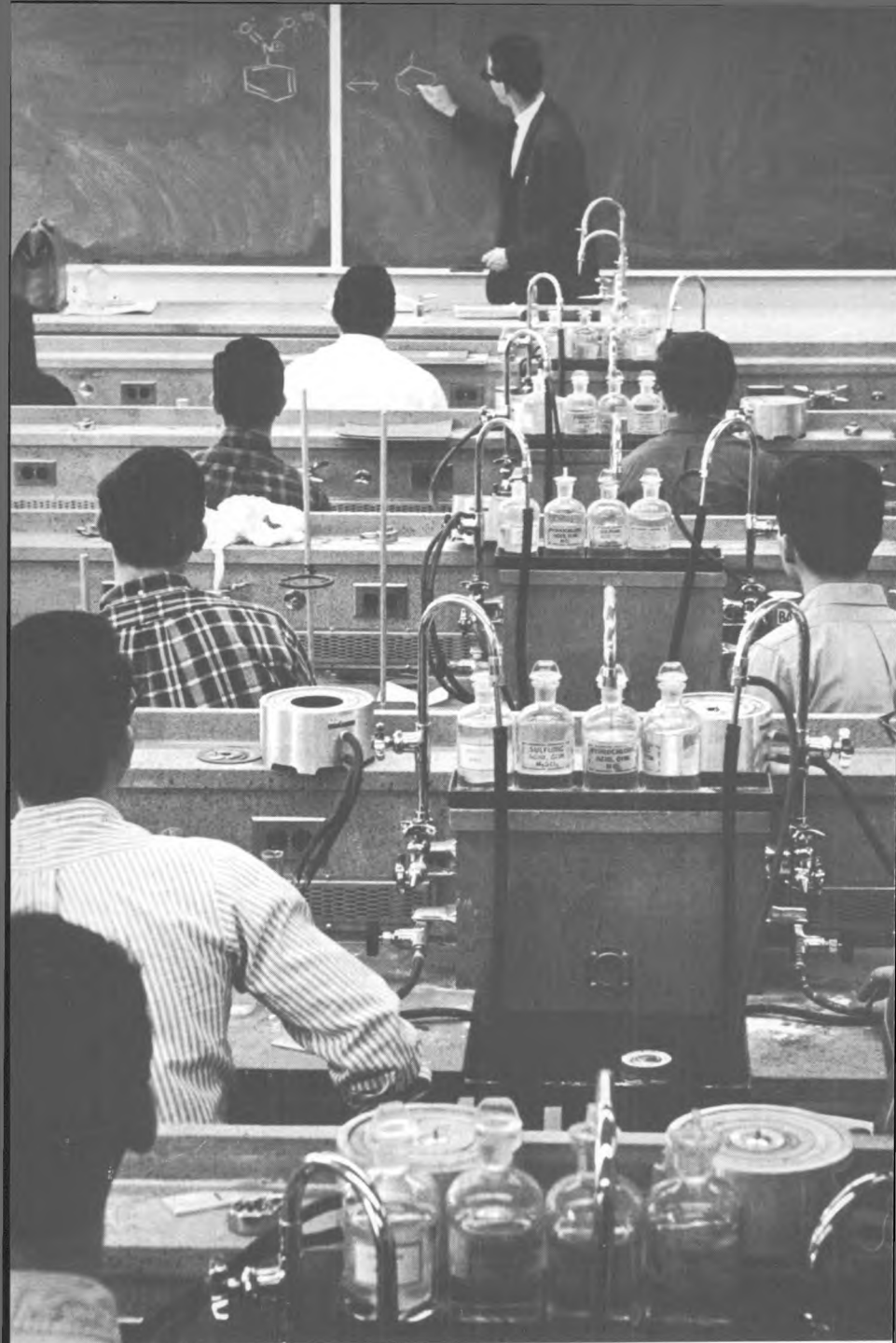
Any student transferring from one college (or course or courses) in the University to another must, on or before the time of transfer, pay an amount corresponding to the difference in tuition for the hours of credit that will be allowed in the latter college (or course or courses).

Excess Hours Tuition

Students in the four statutory divisions who 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, \$10.00; make-up examination, \$2.00; late filing of study card, \$10.00; late change of program, \$3.00; failure to check out chemistry desk, \$5.00.



An undergraduate chemistry class during a laboratory period in a new "teaching module."

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. A penalty of \$10.00 is 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.

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 for tuition and fees. If the University award exceeds the tuition and fees, 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.

The University offers students and parents a plan for paying the yearly tuition and general fee charge in eight equal monthly payments beginning September 1 and continuing through the following April 1. A service charge of \$10.00 is made to cover, partially, the cost of administering the plan. A student or parent who desires to make use of this plan should address a request to the Treasurer, Cornell University, Edmund Ezra Day Hall.



The West Gallery in the Clark Hall of Science.

Refunds

Part of the tuition and General Fee will be refunded to students who officially withdraw during the first nine weeks of a term. A student arranges for withdrawal at the Office of the dean or director of the academic division in which he is enrolled. Students who withdraw are charged tuition and General Fee at the rate of 10 percent for each week or fraction of a week from registration to the effective date of withdrawal. No charge is made if the student withdraws within six days of registration. No part of the registration or matriculation fees is refundable.

Room and/or Board in University Residences

Payment of the yearly charge for room and/or board is due in four equal quarterly installments. The room charge is based on the rate of the assigned room. In May, students registered at Cornell are billed for the first quarter of the following year, and payment is due in mid-July. New students normally receive room assignments during July or August, and the first quarter is due within ten days of assignment. All students are billed uniformly for the second, third, and fourth quarters. The due dates for payment of the second, third, and fourth quarters vary from year to year, but they usually occur in mid-November and early in February and April.

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 board	\$1,200.00
Admissions deposit	}
Books and equipment	
Personal allowances	
Laundry and cleaning	
	600.00
Total (average) expenses	<hr/> \$1,800.00

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. 7-29 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 in 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*),¹ Human Ecology (formerly Home Economics), (*Human Ec*), Hotel Administration (*Hotel*), Industrial and Labor Relations (*ILR*), Law (*Law*), Medical (*Med*), Graduate Medical Sciences (*Grad Med*), Nursing (*Nurs*), Nutrition (*Nutrit*), and Veterinary (*Vet*). Each division has a separate *Announcement*, except Human Ecology; for information about that division, write directly to the Committee on Admissions of that College (Martha Van Rensselaer Hall). 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 international studies and education is given in the *Announcement of International Studies (IS)* and the *Announcement of Education (Educ)*.

1. The writer should specify which of the four *Announcements of the Graduate School* he needs (see the list at the end of this *Announcement*).

<i>Subject of Study</i>	<i>College or School</i>
ACCOUNTING	<i>Ag, Bus, Engin, Hotel</i>
ACTING	<i>Arts</i>
ADMINISTRATION AND LAW	<i>Bus, Law</i>
ADMINISTRATIVE PROCESS	<i>Bus</i>
AEROSPACE ENGINEERING	<i>Engin</i>
aerodynamics	
gasdynamics	
magnetofluidynamics	
plasma physics	
AEROSPACE STUDIES (ROTC)	<i>Officer</i>
AGRICULTURE, GENERAL	<i>Ag</i>
AGRICULTURAL BROADCASTING	<i>Ag</i>
AGRICULTURAL ECONOMICS	<i>Ag</i>
agricultural policy	
agricultural geography and land economics	
business management	prices
farm finance	marketing
farm management	statistics
public administration	
AGRICULTURAL ENGINEERING ...	<i>Ag, Engin</i>
agricultural structures	
electrical power and processing	
power and machinery	
soil and water engineering	
AGRICULTURAL EXTENSION	<i>Ag</i>
AGRICULTURAL BUSINESS MANAGEMENT	<i>Ag, Bus</i>
AGRICULTURAL MISSIONARY SERVICE ..	<i>Ag</i>
AGRICULTURAL SCIENCE	<i>Ag</i>
AGRONOMY	<i>Ag</i>
field crops	soil science
soil conservation	
AIR SCIENCE	<i>Officer</i>
AMERICAN STUDIES	<i>Arts, ILR</i>
ANALYSIS OF DATA	<i>Arts, Bus, ILR</i>
ANATOMY	<i>Arts</i>
ANIMAL SCIENCE	<i>Ag</i>
animal breeding and physiology	
animal nutrition	meats
dairy husbandry	
ANTHROPOLOGY	<i>Arts</i>
APPLIED MATHEMATICS	<i>Arts</i>
APPLIED PHYSICS	<i>Arts, Engin</i>
ARBITRATION	<i>ILR</i>
ARCHAEOLOGY	<i>Arts</i>
ARCHITECTURAL SCIENCES	<i>Arch</i>
ARCHITECTURE	<i>Arch</i>
ARCHITECTURE (history of)	<i>Arch</i>
ART (history of)	<i>Arts</i>
ART (practice of fine arts)	<i>Arch</i>
ASIAN STUDIES	<i>Arts</i>
ASTRONOMY AND SPACE SCIENCES	<i>Arts</i>
BACTERIOLOGY	<i>Ag, Med, Vet</i>
BANKING AND FINANCE	<i>Ag, Bus</i>
BIOCHEMISTRY	<i>Ag, Arts, Med, Nutrit</i>
BIOLOGICAL SCIENCES	<i>Ag, Arts</i>
biochemistry and molecular biology	

<i>Subject of Study</i>	<i>College or School</i>
cell physiology, growth, and development	
ecology and systematics	
genetics, development, and physiology	
microbiology	
neurobiology and behavior	
BIOMATHEMATICS	<i>Grad Med</i>
BOTANY	<i>Ag</i>
BUSINESS ADMINISTRATION	<i>Bus</i>
(See also Agricultural Economics)	
accounting (industrial & public)	
agricultural management	finance
business management	
hospital & health administration	
managerial economics	marketing
personnel management	production
transportation & public utilities	
BUSINESS LAW	<i>Ag, Bus, Hotel</i>
BUSINESS MANAGEMENT	<i>Ag, Bus</i>
CHEMICAL ENGINEERING	<i>Engin</i>
chemical processes and process control	
reaction kinetics	
nuclear process engineering	
biochemical engineering	
polymeric materials	
CHEMISTRY	<i>Arts, Hotel</i>
CHILD DEVELOPMENT AND FAMILY RELATIONSHIPS	<i>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	
construction management	
environmental systems engineering	
geodetic engineering	
hydraulics and hydrology	
sanitary engineering	
geotechnical engineering	
structural engineering	
transportation engineering	
water resources systems	
CLASSICS	<i>Arts</i>
CLOTHING AND TEXTILES	<i>Human Ec</i>
CLUB MANAGEMENT	<i>Hotel</i>
COLLECTIVE BARGAINING	<i>ILR</i>
COMMUNICATION ARTS	<i>Ag</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>
fishery science	
forest science	
outdoor recreation	
wildlife science	
DAIRY PRODUCTION	<i>Ag</i>

<i>Subject of Study</i>	<i>College or School</i>
DESIGN, ARCHITECTURAL	<i>Arch</i>
DESIGN AND HOUSING	<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</i>
	<i>ILR, Nutr</i>
ECONOMICS AND POLICY ...	<i>Ag, Bus, ILR</i>
EDUCATION ..	<i>Ag, Educ, Human Ec, ILR</i>
agricultural education	
curriculum and instruction	
educational administration and supervision	
educational psychology and measurement	
elementary education	
extension, adult and continuing education	
general education	
guidance and personnel administration	
history, philosophy, and sociology of education	
home economics education	
nature study, science, and conservation education	
organizational behavior	
secondary education	
ELECTRICAL ENGINEERING	<i>Engin</i>
electrical systems	
electrophysics	
ENGINEERING	<i>Engin</i>
aerospace	<i>civil</i>
agricultural	<i>electrical</i>
chemical	<i>industrial</i>
computer science	
mechanical	<i>applied physics</i>
materials and metallurgy	
engineering physics	
nuclear science and engineering	
operations research	
theoretical and applied mechanics	
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>
insect morphology	<i>limnology</i>
insect physiology	<i>parasitology</i>
insect taxonomy	<i>beekeeping</i>
medical entomology	
EXTENSION EDUCATION	<i>Ag, Educ</i>
FAMILY RELATIONSHIPS AND CHILD DEVELOPMENT	<i>Human Ec</i>
FEDERAL ADMINISTRATION	<i>Bus</i>

<i>Subject of Study</i>	<i>College or School</i>
FINANCE, BUSINESS AND PUBLIC	
.....	<i>Ag, Bus, Hotel</i>
FINE ARTS (practice of)	<i>Arch</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, Nutrit</i>
FOOD SERVICE MANAGEMENT	<i>Hotel</i>
FOOD SERVICE AND TECHNOLOGY	<i>Ag, Human Ec, Nutrit</i>
FOREIGN AGRICULTURE SERVICE	<i>Ag</i>
GENETICS	<i>Ag</i>
GEOGRAPHY	<i>Arts</i>
GEOLOGICAL SCIENCES	<i>Arts</i>
GERMAN	<i>Arts</i>
GOVERNMENT	<i>Arts</i>
GRADUATE STUDIES ²	<i>Grad</i>
GRAPHIC ARTS	<i>Arch</i>
GREENHOUSE CROPS PRODUCTION	<i>Ag</i>
GUIDANCE	<i>Educ</i>
HISTORY	<i>Arts, ILR</i>
HISTORY OF ARCHITECTURE	<i>Arch</i>
HISTORY OF ART	<i>Arts</i>
HUMAN ECOLOGY	<i>Human Ec</i>
child development and family relationships	
food and nutrition	
home economics education	
household economics and management	
housing and design	
institution management	
textiles and clothing	
HOSPITALS & HEALTH ADMINISTRATION	<i>Bus</i>
HOTEL ADMINISTRATION	<i>Hotel</i>
accounting	administration
chemistry	data processing
club management	
economics and finance	
engineering	
food service management	
food facilities engineering	
food science	law
marketing	personnel
psychology	tourism
restaurant administration	
HOUSEHOLD ECONOMICS AND MANAGEMENT	<i>Human Ec</i>
HOUSING	<i>Arch, Human Ec</i>
HUMAN NUTRITION	<i>Human Ec, Nutrit</i>

2. The writer should specify which of the four *Announcements of the Graduate School* he needs (see the list at the end of this *Announcement*).

<i>Subject of Study</i>	<i>College or School</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>Human Ec, Hotel</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, IS, 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, IS</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>
MANAGEMENT, HOUSEHOLD ...	<i>Human Ec</i>
MANAGERIAL ECONOMICS	<i>Bus</i>
MARKETING	<i>Ag, Bus, Hotel</i>
MATERIALS SCIENCE AND	
ENGINEERING	<i>Engin</i>
MATHEMATICS	<i>Arts</i>
MATHEMATICS, APPLIED	<i>Arts</i>
MECHANICAL ENGINEERING	<i>Engin</i>
mechanical systems and design	
thermal engineering	
MECHANICS, THEORETICAL AND	
APPLIED	<i>Engin</i>

<i>Subject of Study</i>	<i>College or School</i>
mechanics of materials	
solid mechanics	
MEDIATION	<i>ILR</i>
MEDICINE AND SURGERY	<i>Med</i>
anatomy	
anesthesiology	
bacteriology and immunology	
biochemistry	
medicine and medical specialties	
microbiology and immunology	
obstetrics and gynecology	
pathology	
pediatrics	
pharmacology	
psychiatry	
physiology and biophysics	
public health and preventive medicine	
radiology	
surgery and surgical specialties	
MEDIEVAL STUDIES	<i>Arts</i>
METEOROLOGY	<i>Ag</i>
METALLURGICAL ENGINEERING	<i>Engin</i>
MICROBIOLOGY	<i>Arts, Ag</i>
MILITARY SCIENCE	<i>Officer</i>
MUSIC	<i>Arts</i>
NAVAL SCIENCE	<i>Officer</i>
NEUROBIOLOGY AND BEHAVIOR	<i>Ag</i>
NUCLEAR SCIENCE AND ENGINEERING	
	<i>Engin</i>
NURSERY CROPS PRODUCTION	<i>Ag</i>
NURSING (see also PRENURSING)	<i>Nurs</i>
NUTRITION (Grad. studies)	<i>Nutrit</i>
NUTRITION, ANIMAL	<i>Ag, Nutrit</i>
NUTRITION, FOOD AND	<i>Human Ec</i>
	<i>Hotel, Nutrit</i>
NUTRITION, HUMAN ..	<i>Human Ec, Nutrit</i>
OPERATIONS RESEARCH	<i>Engin</i>
ORNITHOLOGY	<i>Ag</i>
PAINTING AND DRAWING	<i>Ag, Arch, Human Ec</i>
PERSONNEL MANAGEMENT	<i>Bus, Hotel, ILR</i>
PHILOSOPHY	<i>Arts</i>
PHYSICAL BIOLOGY	<i>Vet</i>
PHYSICAL EDUCATION ³	
PHYSICS	<i>Arts, Engin</i>
PHYSICS, APPLIED	<i>Arts, Engin</i>
PHYSIOLOGY	<i>Ag, Arts, Vet</i>
PLANT BREEDING	<i>Ag</i>
genetics biometry	
PLANT PATHOLOGY	<i>Ag</i>
mycology	
PLASMA PHYSICS	<i>Arts, Engin</i>
POMOLOGY	<i>Ag</i>
POULTRY SCIENCE	<i>Ag</i>
breeding management nutrition	

3. 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>
PREDENTAL TRAINING	<i>Arts</i>	SEED TECHNOLOGY	<i>Ag</i>
PRELAW TRAINING	<i>Arts</i>	SEMITIC STUDIES	<i>Arts</i>
PREMEDICAL TRAINING	<i>Arts</i>	SLAVIC STUDIES	<i>Arts</i>
PRENURSING TRAINING	<i>Ag, Arts,</i> <i>Human Ec</i>	SOCIAL RELATIONS	<i>Arts</i>
PREVETERINARY TRAINING	<i>Ag, Arts</i>	SOCIAL SECURITY	<i>ILR</i>
PRODUCTION	<i>Bus</i>	SOCIAL SERVICE	<i>Ag, Human Ec</i>
PSYCHOLOGY	<i>Arts, Hotel, ILR</i>	SOCIOLOGY	<i>Arts, ILR</i>
PUBLIC ADMINISTRATION	<i>Bus</i>	SPACE RESEARCH	<i>Arts, Engin</i>
(see also Public Admin. & Finance)		STATISTICS	<i>Ag, Bus, ILR, Engin</i>
agricultural policy & management		STRUCTURES	<i>Arch</i>
city management	<i>finance</i>	STUDENT PERSONNEL	
federal administration		ADMINISTRATION	<i>Educ</i>
general public administration		TEACHING (see EDUCATION)	
hospital & health administration		TELEVISION-RADIO	<i>Ag</i>
international & foreign operations		TEXTILES AND CLOTHING	<i>Human Ec</i>
personnel management		THEATRE ARTS	<i>Arts</i>
transportation & public utilities		THEATRE HISTORY	<i>Arts</i>
PUBLIC ADMINISTRATION & FINANCE	<i>Ag</i>	THEORETICAL AND APPLIED	
PUBLIC MANAGEMENT	<i>Bus</i>	MECHANICS	<i>Engin</i>
PUBLIC RELATIONS	<i>Ag, Hotel, ILR</i>	TRANSPORTATION	<i>Bus, Engin</i>
PUBLIC SPEAKING	<i>Arts, Ag</i>	URBAN DESIGN	<i>Arch</i>
QUANTITATIVE ANALYSIS FOR		VEGETABLE CROPS	<i>Ag</i>
MANAGERIAL DECISIONS AND		VETERINARY MEDICINE	<i>Vet</i>
OF ECONOMIC DATA	<i>Bus</i>	animal physiology	<i>anatomy</i>
RADIO ASTRONOMY	<i>Arts, Engin</i>	animal pathology	<i>animal virology</i>
RADIOPHYSICS	<i>Arts, Engin</i>	pathogenic bacteriology	<i>medicine</i>
RADIO-TELEVISION	<i>Ag</i>	pharmacology	<i>physical biology</i>
REGIONAL PLANNING	<i>Arch</i>	parasitology	<i>surgery</i>
RESTAURANT ADMINISTRATION	<i>Hotel</i>	obstetrics and diseases of the reproductive	
ROMANCE LANGUAGES	<i>Ag</i>	organs	
RURAL SOCIOLOGY	<i>Ag</i>	WATER RESOURCES	<i>Engin</i>
RUSSIAN	<i>Arts</i>	WORKMEN'S COMPENSATION	<i>ILR</i>
SCULPTURE	<i>Arch</i>	ZOOLOGY	<i>Ag, Arts</i>

Index

- Activities, extracurricular, 32, 56-59
- Admission: advanced placement, 46; alumni, 33; application, 31, 33, 35 (fees, 37, 67-69, 71); character, personality, motivation, 32; Early Decision Plan, 35-36; entrance subjects and units, 43-45; entrance unit credit, 45-46; extracurricular activities, 32; geographical distribution, 32-33; general policy, 31-32; interviews, 36; requirements, general, 33-35; scholarship, 32; selection process, notification, 36-37; subject requirements, 37-43; tests, 10, 32, 35, 36, 38, 41-47; transfer students, 46; *see also* Colleges and Schools, 7-29
- Advanced placement, 46
- Aerospace Engineering, Graduate School of, 9, 31
- Agriculture, College of, 7, 9, 33, 35, 36, 37, 38
- Agricultural engineering, 38
- Announcements, list of, 80
- Applications: financial aid, 33, 37, 48-49; housing, 49-52; *see also* Admission
- Architecture, Art, and Planning, College of, 7, 10-11
- Arts & Sciences, College of, 9, 11-13
- Athletics, 57
- Business & Public Administration, Graduate School of, 9, 22-23
- Career, Summer Plans, and Placement Center, 55
- Colleges and schools, 7-29
- College Scholar Program, 13
- Cornell University: campus and buildings; divisions and research outside Ithaca; founding and history; international character; numbers of students, faculty, staff; objectives; sources of support, 5-9; *see also* Colleges and Schools, 7-29
- Courses, *see* Subjects of Study, 74-78
- Degrees, 7, 9-29, 37-43
- Deposits, 67-69, 73
- Dining, *see* Housing, 49-52
- Dormitories, *see* Housing, 49-52
- Early Decision Plan, 35-36
- Education, 74, 76
- Educational and vocational guidance, 53
- Employment, 48, 49, 53, 55
- Engineering, College of, 9, 14-15, 33, 35, 36, 37, 38, 41-42, 47
- Enrollment, size of, 6
- Entrance subjects and units, 43-45
- Entrance unit credit, 45-46
- Expenses, 67-73
- Extracurricular activities, 32, 56-59
- Extramural courses, 9, 28
- Faculty, 6-7
- Fees, 67-73
- Financial aid, 33, 48-49
- Foreign students, 6, 55
- Graduate divisions, 9; application to, 31
- Graduate School, 9, 21-27
- Guidance and Testing Center, 53
- Health requirements, 62-65
- Health services, 59-61
- History of Cornell, 5-6
- Hotel Administration, School of, 9, 15-17, 33, 35, 36, 37, 42-43, 47
- Housing, dining, 49-52
- Human Ecology, College of, 7, 17-18, 33, 35, 36, 37, 42, 47
- Industrial and Labor Relations, School of, 7, 18-19, 33, 35, 36, 37, 43, 47
- International Student Office, 55
- Law School, 9, 23-25, 31
- Loans, 48-49
- Medical care, 59-61
- Medical College, 9, 25, 31
- Medical Sciences, Graduate School of, 9, 26
- Military training, 29
- Motor vehicles, 66-67
- Music, 57
- Nursing, School of, 9, 19, 31
- Nutrition, Graduate School of, 9, 26-27, 31
- Officer education, 29
- Organizations, social and cultural, 56-59
- Payment of bills, 67-73
- Physical education, 65-66
- Placement services, 55
- Publications, student, 57-58
- Reading-Study Center, 53-55
- Religious affairs, 55-56
- Residence halls, *see* Housing
- Scholarships, 48-49
- Six-year Ph.D. Program, 14
- Social and cultural activities, 56-59
- Student conduct, 58
- Students, Office of Dean of, 52-53
- Student unions, 58-59
- Study skills, 53-55
- Subjects of study, 74-78
- Subject and test requirements, 37-43
- Summer plans, 55
- Summer Session, 27-28
- Testing Center, 53
- Tests, *see* Admissions
- Theatre arts, 59
- Transfer students, 46-48; transfer within Cornell, 31, 69
- Tuition, 67-71
- Unclassified students, 28-29
- Veterinary College, 9, 27, 33, 35, 36, 37, 43

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- Graduate School: Social Sciences
- Law School
- 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
CORNELL UNIVERSITY ANNOUNCEMENTS
Edmund Ezra Day Hall, Ithaca, New York 14850

(The writer should include his zip code.)

[Information about the New York State College of Human Ecology (formerly Home Economics) may be obtained by writing directly to the Committee on Admissions, Martha Van Rensselaer Hall, Cornell University, Ithaca, New York 14850.]

