



Cornell University

Announcements

Officer Education

1970-71

CORNELL UNIVERSITY ANNOUNCEMENTS

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Officer Education

1970-71

The Departments of
Military Science,
Naval Science, and
Aerospace Studies (ROTC)

Cornell Academic Calendar

	<i>1970-71*</i>
Registration, new and rejoined students	Th, Sept. 10
Registration, old students	F, Sept. 11
Fall term instruction begins, 7:30 A.M.	M, Sept. 14
Midterm grade reports due	S, Oct. 24
Thanksgiving recess:	
Instruction suspended, 1:10 P.M.	W, Nov. 25
Instruction resumed, 7:30 A.M.	M, Nov. 30
Fall term instruction ends, 1:10 P.M.	S, Dec. 19
Christmas recess	
Independent study period begins	M, Jan. 4
Final examinations begin	M, Jan. 11
Final examinations end	T, Jan. 19
Intersession begins	W, Jan. 20
Registration, new and rejoined students	Th, Jan. 28
Registration, old students	F, Jan. 29
Spring term instruction begins, 7:30 A.M.	M, Feb. 1
Deadline: changed or make-up grades	M, Feb. 8
Midterm grades due	S, Mar. 13
Spring recess:	
Instruction suspended, 1:10 P.M.	S, Mar. 27
Instruction resumed, 7:30 A.M.	M, Apr. 5
Spring term instruction ends, 1:10 P.M.	S, May 15
Independent study period begins	M, May 17
Final examinations begin	M, May 24
Final examinations end	T, June 1
Commencement Day	M, June 7
Deadline: changed or make-up grades	M, June 14

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

Contents

2	CORNELL ACADEMIC CALENDAR
4	ADMINISTRATION AND FACULTY
6	OFFICER EDUCATION AT CORNELL
7	HISTORY OF THE ROTC
9	ROTC PROGRAM IN BRIEF
15	THE UNITED STATES ARMY ROTC PROGRAM
20	THE UNITED STATES NAVAL ROTC PROGRAM
25	THE UNITED STATES AIR FORCE ROTC PROGRAM
32	ROTC EXTRACURRICULAR ACTIVITIES
34	SELECTIVE SERVICE
35	REQUEST FOR FURTHER INFORMATION
	LIST OF ANNOUNCEMENTS, <i>inside back cover</i>

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

University Administration

Dale R. Corson, President of the University
Robert A. Plane, University Provost
Mark Barlow, Jr., Vice President for Student Affairs
Stuart M. Brown, Jr., Vice President for Academic Affairs
John E. Burton, Vice President—Business (until June 30, 1970)
Lisle C. Carter, Jr., Vice President for Social and Environmental Studies
W. Donald Cooke, Vice President for Research
Lewis H. Durland, University Treasurer
W. Keith Kennedy, Vice Provost
E. Hugh Luckey, Vice President for Medical Affairs
Samuel A. Lawrence, Vice President for Administration (July 1, 1970)
Thomas W. Mackesey, Vice President for Planning
Paul L. McKeegan, Director of the Budget
Robert D. Miller, Dean of the University Faculty
Steven Muller, Vice President for Public Affairs
Arthur H. Peterson, University Controller
Neal R. Stamp, Secretary of the Corporation and University Counsel

Faculty

Dale R. Corson, Ph.D., President of the University
Robert D. Miller, Ph.D., Dean of the Faculty

Department of Military Science

Colonel Claude E. Bailey, Jr., U.S. Army, Professor of Military Science and
Commanding Officer of the Army ROTC Unit

Staff

Captain Anthony X. Hoyer, Armor, U.S. Army
Captain William G. Moore, Infantry, U.S. Army
Captain John T. Browne, Infantry, U.S. Army
One officer to be assigned.

Department of Naval Science

To be assigned.

Staff

Commander George A. Murphy, U.S. Navy
Major Harper L. Bohr, Jr., U.S. Marine Corps
Lieutenant Commander Mario R. Mannarino, U.S. Navy
Lieutenant Commander Robert C. Jones, U.S. Navy
Lieutenant Michael C. Berkowitz, U.S. Navy

Department of Aerospace Studies

Lieutenant Colonel Earl J. Heberling, U.S. Air Force, Professor of Aerospace
Studies and Commander of the Air Force ROTC Detachment 520

Staff

Major Donald C. Bunce, U.S. Air Force
Major Robert J. Voyles, U.S. Air Force

Officer Education at Cornell

Through the years Cornell alumni have given outstanding—and often heroic—service in the military services of their nation. For over a century Cornell has provided instruction in military science to its students as a public service.

At present, this tradition of University cooperation in developing training reserve officers embraces a voluntary program open to all male students. In this way, Cornell, in cooperation with the military services, makes it possible for college students to prepare themselves to serve their country in positions of leadership while completing their college education.

Cornell is fortunate in having ROTC programs offered by the three military departments: the Army, the Navy, and the Air Force. These programs are alike in that each leads to a commission in the armed forces upon graduation.

Incoming students should give thoughtful consideration to the various offerings of this broad military program at Cornell, so that they can make a decision about their future appropriate to their responsibility to their country and to themselves.

Cornell University

History of the ROTC

Cornell University, established as a land grant institution in 1865, has offered courses in the military arts since 1868, and military instruction has been an integral part of the Cornell experience, with few exceptions, since that early date.

Prior to World War I, military training was administered by an officer detailed by the War Department as a professor of military science and tactics, assisted by one or more noncommissioned officers of the regular Army. For some time subsequent to 1868, cadets lived under military conditions. The uniform was the accepted dress, and cadets moving in formation were a common sight.

The following is quoted from a military order of 1868 with respect to University policy:

It is granted that this great University was not founded for the purpose of educating soldiers, but it can imbue citizens with all that is good in soldiers and fit them to be soldiers in time of need. Who is to say that its results will not be commensurate with its high purpose, and its influence as beneficent as the efforts to intend them are self-sacrificing and earnest?

History has shown that this high purpose has been and is being fulfilled. Andrew Dickson White, Cornell's first president, praised the results of the military training program in his autobiography. Cornellians served with distinction in World War I as leaders of men in combat and contributed greatly to the national effort. Cornell had more officers in the military service during World War I than did any other educational institution.

The National Defense Act of 1916 established the Reserve Officers Training Corps. During the next two decades, the Corps produced numerous reserve officers who, when called to active duty during World War II, helped provide the national capability to expand the military forces and win the war. General George C. Marshall, chief of staff during World War II, stated that "the rapid

8 History of the ROTC

mobilization and effective leadership provided our armed forces in World War II was made possible by the large number of officers trained in the ROTC programs." Without this capable and trained reserve, it is probable that the war would have been much longer and more costly. Cornellians contributed greatly in this effort, many of them reaching positions of great responsibility and leadership.

In the post-World War II era, Navy and Air Force training was made available to the student. As a result, many Cornellians served their country as officers during the Korean conflict in all of the military forces. Many Cornellians have chosen to make careers of military service; a number have risen to general officer rank.

The ROTC Vitalization Act of 1964 added new opportunities for interested and qualified young men. This act provided financial assistance through four-year and two-year scholarships, and a two-year program leading to a commission for those students who did not or could not enroll in the four-year program.

In his speech at the Industrial College of the Armed Forces, August 21, 1964, President Johnson said: "The next twenty years will demand more of America's military men, America's diplomats, and America's political leadership than the last 200 years. . . .

"The military career today demands a new order of talent and training and imagination and versatility. Our military men have these qualities and they have them in abundance."

For the officer corps to meet these high standards, Cornell must continue to make her outstanding contribution. Today there is a demand for well-educated, well-trained leaders. The ROTC units at Cornell are an important influence in shaping men who will provide this kind of leadership.

ROTC Programs in Brief

Trustee Statement

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

Enrollment

ARMY. Freshman year. With approval, students in a five-year baccalaureate academic program may enter at the beginning of the sophomore year. Additionally, sophomores who volunteer and are selected, after attendance at a six-week basic summer camp, can enter advanced ROTC in the fall of the junior year.

AIR FORCE. Four-Year Program: freshman year. Two-Year Program: Students may apply if they have two years of college, undergraduate or graduate, remaining.

NAVY. Four-Year Program: freshman year.

MARINES. Marine option available at beginning of third year for selected NROTC students.

Physical Requirements

ARMY. Eyes: correctable to a minimum of 20/20 in one eye and 20/400 in the other eye. Height: 78" maximum (exceptions considered). Weight according to height. Overall sound mental and physical condition.

AIR FORCE. Eyes without glasses: 20/20 for pilot candidates; 20/50 for navigators; 20/400 bilaterally for engineers and general service. Height: flying, 64" to 76"; commission, 64" to 80". Weight varies with height and age. Overall sound physical condition.

NAVY. Eyes. *Four-Year Contract:* must have binocular visual efficiency (BVE) not worse than 49 percent correctable to 100 percent by standard lens. No waivers will be granted. A partial table of BVE of 49 percent or better is as follows:

10 ROTC Programs in Brief

<i>One Eye</i>	<i>Other Eye</i>
20/20	20/400
20/30	20/400
20/40	20/400
20/50	20/400
20/70	20/400
20/100	20/100

Excessive refractive errors are disqualifying. Defective color perception is disqualifying except for science and engineering option; *Regular*: 20/20 without correction. All programs: height 64" to 78"; weight proportioned to height. Overall sound mental and physical condition.

MARINES. Same as Navy with exception that defective color perception is not disqualifying.

Cadet or Midshipman Benefits

ARMY. Advanced-Program cadets receive \$50.00 per month subsistence allowance. While attending the advanced summer camp all cadets receive \$193.20 per month plus travel and per diem allowances to and from camp. ROTC uniforms, texts, and supplies are provided by the Army. Scholarship cadets receive the same pay and allowance in the advanced course plus all college tuition, fees, textbooks, and classroom material for the duration of the scholarship.

Scholarships also include \$50.00 per month subsistence during the freshman and sophomore years. Two-Year Program cadets will receive approximately \$184.50 during the basic summer camp plus the travel and per diem allowances prior to entry into the advanced course and the advanced course payments as indicated above.

AIR FORCE. Pay: all cadets while in the Professional Officer Course (junior and senior year), \$50.00 subsistence allowance a month. Scholarship cadets: all tuition, fees, \$75.00 per year toward cost of textbooks, and a subsistence allowance of \$50.00 a month. Summer Field Training pay of \$199.80 for six weeks, Two-Year Program; \$208.80 for twenty-eight days, Four-Year Program. Also, a travel allowance is paid to and from field training site. Necessary uniforms and Air Force ROTC textbooks are furnished.

NAVY. Pay: Contract, \$50.00 subsistence allowance per month during last two years; Regular, all tuition, fees, cost of textbooks, and a subsistence allowance of \$50.00 a month during the entire program. Active duty pay of \$193.20 a month and traveling expenses are received during summer at-sea training. Uniforms and books for Navy courses are furnished all midshipmen by the Navy.

MARINES. Same as Navy.

Class and Laboratory Hours Required Each Week

ARMY. Classroom: freshman, junior, and senior, one; sophomore, two. Practical Leadership Training: freshman and sophomore, one hour per week for the first five weeks of each term; junior and senior, one hour per week.

AIR FORCE. Corps Training: one hour per week. Classroom: variable depending on curriculum.

NAVY. Freshman: first term, one; second term, two; plus one ninety-minute laboratory session weekly. Sophomore: first term, one; second term, two; seminar every other week for half of each term; one ninety-minute laboratory session weekly. Junior and senior: three hours weekly, plus laboratory.

MARINES. First term, three hours weekly plus laboratory; second term, laboratory only.

Basic Programs

(First Two Years)

ARMY. Classroom study of the principles and techniques of leadership and management and instruction in military topography. Practical Leadership Training (five contact hours per term) stresses practical exercises of classroom study. Six University academic semester hours of course-work in effective communications are required. Courses such as English Composition, Public Speaking, Effective Communications, Advanced Grammar and Composition, etc., are considered appropriate. Details on the academic portion of the military curriculum may be obtained from the AROTC unit on campus.

AIR FORCE. Classroom: Examines the role of United States military forces in the contemporary world, emphasizing the organization and mission of the United States Air Force. The functions of strategic offensive/defensive forces, general purpose, and aerospace support forces are covered. The roles of these forces are related to national defense policy, with respect to general and limited war, alliances, and strategies and policies of the United States, the Soviet Union, and China. The student is also introduced to United States defense organization and decision-making processes. Corps Training: Classroom instruction in responsibilities and environment of the junior officer; instruction and practice in basic drill and ceremonies. Summer Training: scholarship cadets attend a four-week training session at the end of sophomore year.

NAVY. Classroom study includes a basic course in naval ship engineering systems, fundamentals of damage control and an overview of weapons systems in the first year. Second-year requirements include an introductory course in the principles and practice of military management. Laboratory

12 ROTC Programs in Brief

instruction includes naval orientation and leadership development. Seminars on naval subjects are conducted during half of each semester of the sophomore year.

MARINES. No separate program. Same as Navy.

Advanced Program

ARMY. Classroom study and practical application of the concepts of leadership and management, and emphasis on the attainment of the attributes needed to perform the functional role of a junior officer. In addition six University academic semester hours of "enrichment subjects" are required. "Enrichment subjects" are advanced-level courses (beyond introductory level) outside a cadet's major academic discipline and of value to the military service. Courses from the fields of the social sciences, mathematics, natural sciences, humanities, and the applied sciences and professions are acceptable. Details on the academic portion of the military curriculum may be obtained from the AROTC unit on campus.

AIR FORCE. Classroom: junior year, growth and development of aerospace power and space studies; senior year, leadership, management, and officer responsibilities. Corps Training: an average of four hours a month, junior and senior years; a leadership laboratory in which the cadet is exposed to advanced leadership experiences and applies principles of management learned in the classroom. Summer Training: a four-week training session at an Air Force base at the end of the third year (Two-Year Program cadets excluded). Flying Program: flight instruction during the senior year for all cadets accepted for pilot training. Includes ground school and 36½ hours of flying at Air Force expense.

NAVY. Advanced-program classroom study in navigation, operations analysis, naval weapons systems, computer science, history, and national security policy. Laboratory periods are divided between leadership sessions and functional periods devoted to practical application of subject matter taught in class. *Summer at-sea training periods*: Four-Year Contract, one at-sea training period of six weeks at end of the junior year. Regular, three at-sea training periods of about six weeks each. A Flight Indoctrination Program is provided during the junior or senior year for physically qualified midshipmen interested in marine or naval aviation.

Commissioning Requirements

ARMY. Successful completion of Army Advanced ROTC Program to include attendance at a six-week advanced summer camp and award of a baccalaureate degree. Commissioned rank is second lieutenant.

AIR FORCE. Successful completion of the Air Force Professional Officer Course and the award of an undergraduate degree. Commissioned rank is second lieutenant.

NAVY. Successful completion of NROTC (Regular, Contract, or Marine Corps option) Program and undergraduate study at Cornell. Commissioned ranks: Contract: ensign, Naval Reserve; or second lieutenant, Marine Corps Reserve. Regular: ensign, Navy; or second lieutenant, Marine Corps.

MARINES. See Navy.

Service Obligations after Graduation

ARMY. Two and four-year nonscholarship program: two years active duty, four years in a Reserve status, when commissioned in the Army Reserve. Cadets accepting a Regular Army commission or graduates of the Army Flight Training Program who are accepted for Army aviation serve three years on active duty, three years in a Reserve status. One-, two-, three-, and four-year scholarship programs: four years on active duty and two years in a Reserve status.

AIR FORCE. Four years of active duty for engineers or general-category graduates. For pilot and navigator trainees, five years after receipt of aeronautical rating.

NAVY: Contract: three years of active duty in the Naval Reserve or Marine Corps Reserve and three years in the Ready Reserve upon completion of active duty. Regular: four years of minimum active duty in Navy or Marine Corps followed by a maximum of two years in the Ready Reserve. Persons entering nuclear power programs incur an additional year of active duty service. Those entering aviation incur an active duty obligation of four and one-half years after completion of flight training.

MARINES. See Navy.

Advanced Study

ARMY. Active duty deferments may be granted to selected individuals who desire to attend graduate school at their own expense after commissioning. Length of active service time is not affected.

AIR FORCE. Newly commissioned officers may request delay in reporting for active duty while undertaking graduate study at their own expense. Weather Officer candidates may receive one postgraduate year of college at government expense with no additional service obligation.

14 ROTC Programs in Brief

NAVY. Active duty deferments may be granted to certain highly qualified newly commissioned officers from the Contract programs to attend graduate school. Length of active service will not be affected. Regulars are not eligible for a delay in active duty, but superior performers may be selected for the Navy's Immediate Graduate Education Program (IGEP). IGEP is available to all midshipmen, contract or regular, and further details are available at the NROTC unit on campus.

MARINES. Same as Navy.

Scheduling

Applicants who know to which service they plan to apply should inform the appropriate ROTC office and their particular college or school as early as possible so that academic schedules will include required ROTC activities.

Academic schedules for incoming freshmen are made up in the individual colleges during the summer. It is desirable that the student's wishes concerning ROTC be known when schedules are planned to avoid the possible inconvenience of adjusting schedules on registration day. Students are advised to visit the appropriate ROTC office prior to registration.

The United States Army ROTC Program

A new Army ROTC program will be initiated at Cornell in the academic year 1970-71. The program consists of fourteen (14) semester hours of professional military subjects and twelve (12) semester hours of University academic subjects. The latter are not only particularly desirable for an officer's background but will enhance his academic field of study. This represents a change from previous years in that the military courses contain fewer hours but greater emphasis on preparation for leadership, while greater enrichment is gained through increased hours of academic subjects.

The general objective of the course of instruction is to procure and produce junior officers who by education, training, attitude, and inherent qualities are suitable for continued development as officers in the Army.

Intermediate objectives are to develop in each student—

the fundamentals of self-discipline, integrity, and a sense of responsibility;

an appreciation of the role of a participating citizen in matters dealing with national defense;

the ability to evaluate situations, to make decisions, to understand people, and to practice those attributes considered essential in a leader.

General Requirements

Basic Course (MS I and II)

To be enrolled in the basic course the student must—

be of good moral character;

be a citizen of the United States (with certain exceptions);

be physically qualified under prescribed standards;

be regularly enrolled in the institution as a freshman (with certain exceptions);

execute the Loyalty Oath.

Veterans of the Armed Forces of the United States, subject to the approval of the professor of military science, may enroll and receive advanced standing.

Students entering college with ROTC credit from secondary or military schools (Junior Division ROTC) may also receive advanced standing for military science, may enroll and receive advanced standing.

Students entering college with ROTC credit from secondary or military schools (Junior Division ROTC) may also receive advanced standing for military instruction completed.

Advanced Course (MS III and IV)

Cadets electing the advanced course must—

be selected by the professor of military science;



Cadet platoon leader conducts leadership laboratory.



Cadets receive operations order for a tactical exercise.

have successfully completed the two-year basic course or the summer camp equivalent;

be able to qualify academically for appointment as a second lieutenant prior to reaching twenty-eight years of age;

successfully pass such physical and aptitude tests as may be prescribed;

have at least two years of academic work remaining at this institution;

execute a written contract with the United States government to complete the advanced course and to accept a commission as an officer, if tendered;

enlist in the United States Army Reserve.

United States Army Reserve

Upon successful completion of the Army ROTC course, the student, unless commissioned in the Regular Army, is appointed a second lieutenant, United States Army Reserve, in one of the branches of the Army such as Infantry, Artillery, Armor, Corps of Engineers, Signal Corps, Quartermaster Corps, or others. Although the needs of the Army must govern, he is allowed to express his preference for the branch of the Army in which he wishes to serve.

ROTC graduates commissioned in the United States Army Reserve will be ordered to active duty within one year of graduation unless deferred for the purpose of graduate studies.

Active duty commitment is two years.

The Cadet Corps

Army ROTC cadets are organized into a cadet battalion for training in military drill and leadership. The battalion is commanded by a cadet colonel, and his subordinates rank from company commander to squad leader.

Prizes and awards are presented at the annual Presidential Review to cadets who have demonstrated outstanding ability in academic and leadership training.

Distinguished Military Graduates

A number of appointments as second lieutenants in the Regular Army are tendered annually to ROTC graduates who have demonstrated above-average academic achievement and outstanding military qualities. All members of the Army ROTC unit are eligible to compete for these appointments.

Distinguished military graduates who accept Regular Army commissions enter the Army on the same basis as graduates of the United States Military Academy at West Point.

Scholarships

Army ROTC scholarships, which provide for tuition, fees, books, classroom supplies, and a subsistence allowance of \$50 per month are available to outstanding freshmen, sophomores, and juniors.

18 Army ROTC Program

Two-Year ROTC Program

The Two-Year ROTC Program is open to all students with two years of academic study remaining at Cornell or at any other institution which offers the Advanced ROTC Program. Applications are accepted from December to February, and selected students are notified during May. Selectees are required to complete a basic six-week summer camp prior to registering for the Advanced ROTC Program in the fall.

Flight Instruction Program

The Army ROTC Flight Instruction Program is offered to students in the second year of the Advanced Course, usually the senior year of college. Under this program, the Army will pay for flight training for selected ROTC students who have an aptitude for flying and who meet required qualifications.

The student receives a basic introduction to the principles of flying during the ground school, practice flying with approved instructor pilots, and solo flying. ROTC flight instruction is given by a civilian flying school, near Cornell, which has the approval of the Federal Aviation Agency (FAA), the Department of the Army, and Cornell University.

The program is conducted as an extracurricular activity. Each student receives 36 hours of ground instruction and 36½ hours of instruction in-flight.

Qualifying requirements for flight instruction are few, but strict. A sufficiently high academic standing and approval from both the professor of military science and the dean of the individual's school are required. A series of flight aptitude tests and physical examinations (uncorrected distant vision of at least 20/50 correctable to 20/20) must be satisfactorily completed. Parental permission is necessary for students under twenty-one years of age.

Active Duty

Within a year of commissioning, unless deferred for graduate study, commissioned graduates of the AROTC program will begin active duty. A newly commissioned graduate will initially attend an orientation course of instruction (normally eight weeks) in the branch of the Army to which he has been assigned. Upon completion of this orientation course, assignments in the United States and overseas are available, with primary consideration given to the needs of the Army.

Curriculum and Schedule of Classes

Basic Course

All cadets must complete six semester hours of selected academic subjects (see p. 11) and participate in practical leadership training (see p. 19).

Freshman Year

MS 1A-MS 1B Leadership and Management I. Fall and spring terms. Credit variable. T 8, 9:05.

Throughout the year, presented by a military-civilian teaching team. One hour a week of classroom discussion on the principles and techniques of leadership and management.

Practical Leadership Training, see below.

Sophomore Year

MS 2A-MS 2B Leadership and Management II. Fall and spring terms. Credit variable. T, Th 8, 9:05.

Throughout the year. Two hours a week of classroom discussion on civilian and military studies in leadership and management, with emphasis on the techniques of military junior leaders; study of military topography and methods of instruction.

Practical Leadership Training, see below.

Advanced Course

All cadets must complete six semester hours of selected academic subjects (see p. 12) and participate in practical leadership training (see below).

Junior Year

MS 3A-MS 3B Leadership and Management III. Fall and spring terms. Credit variable. M 8, 9:05.

Throughout the year. One hour a week of classroom instruction on small-unit tactics and communications, with emphasis on squad- and platoon-level tactics. In the course of the year, five weekend field trips will be scheduled during which leadership responsibilities will be applied.

Practical Leadership Training, see below.

Practical Leadership Training

Training periods will be conducted on Wednesday or Thursday afternoons from 2:30 until 3:30. No academic credit is awarded for this program requirement.

Basic Course

All freshman and sophomore cadets will participate in applied leadership approximately five times during each term. Each leadership training session will be of one hour duration. The cadet is introduced to the organization of the Army; gains experience in actual leadership situations; and learns the fundamentals of military drill and ceremonies, wearing the uniform, military courtesy and discipline.

Senior Year

MS 4A-MS 4B Seminar in Leadership and Management. Fall and spring terms. Credit variable. T 8, 9:05.

Throughout the year. One hour a week seminar on selected leadership and management problems in administration, military justice, logistics, command and staff, and personal affairs.

Practical Leadership Training, see below.

Advanced Course

All junior and senior cadets will participate in practical leadership training one hour a week. Utilizing the basic organization of a platoon, cadets will develop and exercise their own leadership techniques. Senior cadets plan, organize, and supervise all activities of freshman, sophomore, and junior leadership training.

The United States Naval ROTC Program

The mission of the Naval ROTC is to provide, by a permanent system of training and instruction in essential naval subjects at civilian educational institutions, a source from which qualified officers may be obtained for the Navy and the Marine Corps, and for the Naval Reserve and the Marine Corps Reserve.

The Department of Naval Science at Cornell offers a four-year course in Navy and Marine Corps subjects which can be integrated into almost any field of academic study which leads to a baccalaureate or higher degree.

Graduates are required to accept a commission in the Navy or Marine Corps and to report for a period of obligatory active service immediately on attainment of the baccalaureate degree. A limited number of graduates are permitted to delay their active naval service to pursue graduate study at their own expense.

Regular Program

Regular NROTC students are selected annually by state selection boards on the basis of a nationwide competitive examination held in December of each year for students entering college the following year. The Regular NROTC Program is a Navy-subsidized Program for young men motivated towards a Navy career. All tuition, fees, books, uniforms, plus \$50 a month are provided the Regular student for four years in the Program.

Four-Year Contract Program

Four-Year Contract students are selected on the campus by the professor of naval science, Cornell University. A quota of about forty-five Four-Year Contract students will be selected during the fall registration period and will be enrolled as civilians by execution of an agreement with the Navy. The Four-Year Contract Program is selective. All freshmen, or sophomores, except those enrolled in the College of Arts and Sciences, who are interested in the Contract NROTC Program should visit the NROTC headquarters during the registration period for application and interview.

Four-Year Contract students receive free naval science textbooks, naval course materials, and uniforms. A subsistence allowance of \$50 a month during the last two years is provided. One summer of at-sea training for a period of about six weeks following the third year provides an opportunity for practical experience on naval ships and aircraft.

Four-Year Contract students are also eligible to apply for the Regular Program. If selected, the Contract student immediately becomes a Regular student with the scholarship benefits and active duty requirements inherent in the Regular Program.

Naval Science Student

The courses within the NROTC Program are open to all members of the Cornell student body as space limitations will allow. The non-Navy ROTC student will not be required to attend laboratory sessions or be issued uniforms. Only fully enrolled NROTC students will be tendered a commission at the completion of the Program.

General Curriculum

Students enrolled as Contract or Regular NROTC students attend the same classes and receive the same instruction. The curriculum for the first two years is common to both Navy and Marine Corps candidates. During the second year a student may elect the Marine Corps curriculum for the third and fourth years and, if selected, will receive his commission in the Marine Corps. These courses are indicated by the letter *M* in the curriculum and schedule of classes (301M and 401M).

Requirements

An applicant for the Naval ROTC Program at Cornell must be a male citizen of the United States; he must have reached his seventeenth and not have passed his twenty-first birthday on June 30 of the entering year. If he matriculates in a major field of study requiring five years for a baccalaureate degree, he must not have passed his twentieth birthday on June 30 of the entering year. Students enrolled in a five-year academic program will be placed in a leave status with respect to the Department of Naval Science (draft deferment continues) during the third year. Waivers of the upper age limit may be granted on an individual basis by the chief of naval personnel up to age twenty-seven and a half at time of appointment for *Contract* students.

Physical requirements are discussed at the beginning of this *Announcement* under ROTC Programs in Brief. Any questions regarding physical requirements should be referred to the NROTC unit for clarification.

Academic requirements make no restrictions on the courses in which a Contract student may enroll, provided the courses lead to a baccalaureate degree. Regular students are limited to some extent in the selection of their major courses of study. In addition to the required naval science courses, the following University-taught courses must be completed prior to commission-



Antisubmarine warfare exercise during Summer-at-Sea Training.



Replenishment during Summer-at-Sea Training.

ing: (a) American Military Affairs and National Security Policy, or designated equivalent courses in history or political science; (b) mathematics through calculus, or a course in statistics and probability, or designated equivalents; (c) physics or chemistry, or biological or earth sciences; and (d) computer science. The professor of naval science may authorize waivers of the foregoing courses based on prior satisfactory completion of equivalent courses.

NROTC Flight Indoctrination Program

The NROTC Flight Indoctrination Program is available at no cost to junior and senior NROTC students motivated towards naval or marine aviation. This selective Program affords an opportunity to become proficient in the fundamentals of aviation and to qualify for a private pilot's license through the Federal Aviation Agency.

The Program provides thirty-five hours of ground instruction and forty hours of flying instruction. Upon commissioning, the graduate is ordered to naval aviation training at Pensacola, Florida.

Duty Assignments

The student, upon graduating and meeting the physical requirements, will be commissioned as an ensign, United States Navy (Regular students); ensign, United States Naval Reserve (Contract student); second lieutenant, United States Marine Corps (Regular Marine Corps students); or second lieutenant, United States Marine Corps Reserve (Contract Marine Corps students).

Graduates commissioned ensign, United States Navy, or United States Naval Reserve are ordered to sea duty or shore duty as the needs of the Navy require. Each graduate has an opportunity to request his preferred type of duty upon graduation. These requests are given careful consideration, and every effort is made to assign to the newly commissioned officer the duty of his choice. Types of duty include: aviation, submarines, large and small surface ships, nuclear power training, civil engineering corps, supply corps, and mess management for hotel students.

Delay in active duty to attend graduate school is available to a limited number of Contract students depending on the Navy's needs at the time. In addition, highly qualified Contract and Regular students may apply for the Navy's Immediate Graduate Education Program which provides a Master's degree in one year in a large variety of academic specializations. Graduate study is also available after the initial tour of duty.

Graduates commissioned in the United States Marine Corps and United States Marine Corps Reserve are ordered to a seven-month basic course at Quantico, Virginia. Upon completion of the basic course, each officer has the opportunity to request his preferred type of duty. Active duty requirements for Marine Corps officers commence on compliance with orders to active duty.

24 Naval ROTC Program

Curriculum and Schedule of Classes

102 Introduction to Naval Ship Systems. All year. Credit three hours. Lecture-recitation; first semester, T; second semester, T, Th.

An introductory course in the primary ship systems and their interrelationship. This study includes the theory and principles underlying ship design, stability and damage control, marine engineering systems and other ship-board installations. Required of all first and second year Naval ROTC students.

The requirement for this naval science course is fulfilled for NROTC students by completing the course Ship Systems offered by the College of Engineering, Department of Mechanical Systems and Design.

201-202 American Military Affairs and National Security Policy. Fall and spring terms. Credit six to eight hours. Lecture-recitation as scheduled in the *Announcement of the College of Arts and Sciences*. Laboratory, see below.

Classroom requirements for these naval science studies are fulfilled during the sophomore, junior, or senior year by completing any two courses selected by the student from an approved list of history and government courses, a list prepared by the professor of naval sciences. Sophomores participate in four noncredit two-hour seminars on naval seapower subjects conducted each semester. Sophomores also participate in regular scheduled NROTC drill and laboratory periods. Required of all NROTC students.

301 Navigation. Fall term. Credit four hours. Lecture-recitation, M W F. Laboratory W or Th 1:25-3:10.

An intensive study of the scientific principles upon which celestial navigation, piloting and electronic navigation depend. Complete theory of marine surface-position determination. Competence in the art of navigation is developed through practice with current publications, instruments, and chart work. Required of all fifth-term NROTC students except Marine Corps candidates.

The requirement for this naval science course is fulfilled for NROTC students by completing the course Principles of Navigation offered by the College of Engineering, Department of Geotechnical Engineering.

302 Naval Operations and Analysis. Spring term. Credit three hours. Lecture-recitation, M W F. Laboratory W or Th 1:25-3:10.

Study and analysis of the procedures and decision-making process involved in ship movement and employment in defensive and offensive situations. Tactical formations and dispositions, relative motion, maneuvering board, and tactical plots are evaluated for force effectiveness and unity. Includes study of Rules of the Nautical Road, lights and navigational aids. Required of all sixth-term NROTC students except Marine Corps candidates.

301M Evolution of the Art of War. Fall term. Credit three hours. Lecture-recitation, to be arranged. Laboratory W 2:30-4:05.

The historical development of weapons, tactics, and materials; the classic principles of war illustrated by a study of selected battles and campaigns. Required of all fifth-term NROTC students who are candidates for Marine Corps commissions.

During the second semester, a student must undertake a relevant course taught by the civilian faculty and approved by the Marine officer instructor.

401 Naval Weapons Systems I. Fall term. Credit three hours. Lecture-recitation M W F. Laboratory W or T.

The concept of weapons systems and the systems approach are explored. The techniques of linear analysis of ballistics and weapons are introduced. The dynamics of the basic components of weapons control systems are investigated and stated as transfer functions. This course provides the tools for the further development in the student understanding of the basic principles that underlie all modern naval weapons systems.

402 Naval Weapons Systems II. Spring term. Credit three hours. (Prerequisites, calculus, college physics.) Lecture-recitation M W F. Laboratory W or Th.

A study of the principles of selected phases of the weapons control problem, including propulsion systems, trajectories, flight paths, and system effectiveness. To demonstrate and apply methods of solution of the weapons system control problem. Review design and testing of weapons components.

403 Naval Weapons Systems III. Spring term. Credit three hours. Lecture-recitation M W F. Laboratory W or Th.

A special course scaled to students who have not completed calculus.

The United States Air Force ROTC Program

The mission of the Air Force ROTC is to produce highly qualified career officers to fulfill stated Air Force requirements.

The Department of Aerospace Studies offers both a Four-Year and a Two-Year Program leading to a commission in the United States Air Force Reserve. Courses of study are designed to prepare the student for his role as an informed citizen and as an officer in the United States Air Force.

The Department of Aerospace Studies also offers a course substitution program in which cadets substitute regular college courses in place of some of the Air Force ROTC courses.

The Four-Year Program

The Four-Year Program consists of four semesters of the General Military Course, four semesters of the Professional Officer Course, a four-week summer field training unit between the junior and senior years, and Corps Training each semester. Acceptance to the Professional Officer Course is based upon the student's academic and physical standards and his general performance during the first two years.

General Military Course

The General Military Course (GMC) covers the freshman and sophomore years and includes courses in introductory aerospace studies, leadership, and United States defense policy. Introductory aerospace studies and leadership are taught by Air Force officers. Textbooks and uniforms are furnished. A \$30 uniform deposit is required. United States defense policy is taught in the Department of Government in the College of Arts and Sciences. See Curriculum (p. 28) for course description and requirements.

Professional Officer Course

The Professional Officer Course (POC) is an advanced course of instruction in aerospace studies and leadership experiences during the junior and senior years. Each cadet accepted into the POC must enlist in the Air Force Reserve. He also must sign an agreement to complete the program and accept a commission in the Air Force Reserve, if tendered, upon graduation. Each cadet receives a subsistence fee of \$50 a month for a maximum of twenty months. Uniforms and books are furnished at no cost to the cadet. Cadets are classified in relation to their college educational background:

26 Air Force ROTC Program

Category I. Pilot and navigator

Category II. Technical (engineering and science)

Category III. Nontechnical (agriculture, history, English, etc)

See the Curriculum section (p. 29) for course description.

Field Training

The cadet attends a four-week summer field training unit at an Air Force base, usually close to his home, between the junior and senior years. The field training unit provides the opportunity to see the Air Force in action. The cadet will visit various offices and agencies that are normally found on an Air Force base, such as those related to engineering, the military police, procurement, supply, food service, and law. He also participates in an orientation flight. Each cadet attending the field training program is furnished uniforms, medical attention, food, lodging, transportation to and from field training, and pay of \$208.80.

Two-Year Program

The Two-Year Program involves a six-week summer field training unit and the Professional Officer Course. In order to participate a student must have two years of undergraduate or graduate study remaining. He must be physically and mentally qualified and recommended by Air Force ROTC interview board for attendance at the six-week training unit. Application for entry should be made to the professor of aerospace studies (ROTC) not later than January 15 preceding attendance at the summer field training unit.

Field Training

The applicant for the Two-Year Program attends a six-week summer field training unit at an Air Force base. The six-week course includes substantial class work covering aerospace studies and United States defense policy. Otherwise, the training is similar to that received in the four-week training unit. Each cadet attending the field training program is furnished uniforms, medical attention, food, lodging, transportation to and from field training, and pay of \$199.80.

AFROTC College Scholarship Program

Cadets enrolled in the Four-Year Program are offered the opportunity to apply for Air Force ROTC College Scholarships. These scholarships are based upon individual qualifications and the needs of the Air Force.

Entering Freshmen may apply during their high school senior year. All other Air Force ROTC cadets may apply each year. Cadets must have at least a 2.25 cumulative grade point average and meet commissioning physical requirements.



Training in the Flight Instruction Program conducted in light aircraft.

TYPICAL AIR FORCE CAREERS

If your major is in:

Any Undergraduate Subject

Engineering

History or Government

Economics

Mathematics

Hotel Administration

Industrial and Labor Relations

Communication Arts

Meteorology

You may serve as:

Pilot/Navigator

Development Engineering Officer

Missile Maintenance Officer

Avionics Officer

Aircraft Maintenance Officer

Communications Officer

Missile Launch Officer

Management Engineering Officer

Intelligence Officer

Administration Management Officer

Logistics Officer

Data Automation Officer

Officer Open Mess Manager

Health Services Administrator

Procurement Officer

Manpower Management Officer

Information Officer

Weather Officer

28 Air Force ROTC Program

Each cadet, upon accepting an Air Force ROTC College Scholarship, must enlist in the Air Force Reserve, sign an agreement to complete the program, and accept a commission, if tendered, upon graduation. The scholarship pays tuition, fees, \$75 a year toward textbook costs, and a subsistence allowance of \$50 a month.

Curriculum

General Military Course

Freshman Year

Each cadet is required to take AS 100A, AS 100B, in addition to Corps Training each semester.

100A Aerospace Studies, U.S. Military Forces in the Contemporary World. Fall term. Credit one hour. Major Bunce.

An introductory study of United States military forces is begun by analyzing the mission of the Department of Defense and the doctrine, mission, and organization of the United States Air Force. The Air Force's Strategic Air Command and the Navy's Fleet Ballistic Missile System are analyzed as elements of strategic offensive forces. Aircraft and missile defense is studied by analyzing the North American Air Defense Command and its components along with a field trip to an Air Force SAGE Center.

100B Aerospace Studies, U.S. Military Forces in the Contemporary World. Spring term. Credit one hour. Major Bunce.

A study of U.S. general purpose and aerospace support forces. Emphasizes the mission, resources, and operation of tactical air forces. The factors influencing defense decision making are analyzed through case studies and seminar discussions.

101A/B Aerospace Studies, Laboratory in Initial Military Experiences (Corps Training). Both terms. No credit. Staff.

See description in the following section Sophomore Year.

Sophomore Year

Each cadet is required to take one of the four government courses listed below and Corps Training each semester.

371 Government, Defense Policy and Arms Control. Fall term. Credit four hours. Mr. Quester.

Political analysis of the needs for military defense and the problems caused thereby. Subjects to be covered will include nuclear deterrence reasoning, procedures for disarmament, military strategy, military-industrial complexes, and defense budgeting and policy procedures.

372 Government, International Relations. Spring term. Credit four hours. Mr. Sharfman.

The first part of the course explores the diversity of the world today and some of the major cleavages which affect international politics: the cold war, the gap between rich and poor nations, etc. The second part explores the role of war and threats of war, nuclear strategy, and guerrilla warfare. The course concludes with a study of international law, morality, and prudence as guides to action.

375 Government, Contemporary American Foreign Policy. Spring term. Credit four hours. Mr. Sharfman.

The first half of the course examines selected problems that have confronted the United States since 1945: the origins of the cold war, the recovery of Germany, Korea, Cuba, etc. The second half examines current and future problems, including arms control, world economic development, alliance policy, and whatever international crises may occur during the semester. The focus throughout is on the general question of how to make good foreign policy decisions.

472 Government, International Law. Spring term. Credit four hours. Mr. Rovine.

International law and its sources; conceptual framework; operative principles of the League of Nations Covenant; the United Nations Charter; the war in Vietnam; the Cuban missile crisis; the Korean War; the Middle East conflict, 1948-67; the Congo

crisis; basic rules of land, sea, and air warfare; disarmament; judgment at Nuremberg; laws of war, neutrality, and civil war.

201A/B Aerospace Studies. Laboratory in Initial Military Experiences (Corps Training). Both terms. No credit. Staff.

Professional Officer Course

Junior Year

Prerequisites for the junior year include completion of either the first two years of Air Force ROTC curriculum or the six-week field training unit. All cadets are required to take AS 300A. Engineering and Science cadets are required to take Aerospace Engineering 7001 and 7002. Cadets pursuing nontechnical majors will take Physics 201 and 202. All cadets are required to take Corps Training each semester.

300A Aerospace Studies. Growth and Development of Aerospace Power. Fall term. Credit two hours. Major Voyles.

A survey of the nature of military conflict and the development of aerospace power in the United States. Includes a review of the mission and organization of the Department of Defense and the study of Air Force doctrine and concepts of employment.

7001 Aerospace Engineering. Introduction to Aeronautics. Fall term. Credit three hours. Mr. Sears.

Open to upperclass engineers and others by permission of instructor. An introduction to atmospheric flight vehicles. Principles of incompressible and compressible aerodynamics, boundary layers, and wing theory. Propulsion systems including analysis of engine types, propellers, fans, and rotors. Aircraft and helicopter performance, power required, etc. Elementary stability and control.

7002 Aerospace Engineering. Introduction to Aerospace Systems. Spring term. Credit three hours. Mr. Turcotte.

Various topics will be treated from the following list: mechanics of trajectories and orbits; propulsion systems including chemical, nuclear, and advanced; guidance, tracking, and communications systems; the problem of reentry; life support. Applications to

The cadet is introduced to the responsibilities, life, and work of an Air Force officer. He gains experience in actual leadership situations and learns the fundamentals of military drill and ceremonies, the wearing of the uniform, military courtesy, and discipline and organization.

be discussed will include missiles and military systems, communication and navigation satellites, geology, cis-lunar probes, lunar and planetary exploration, and deep space probes.

201 Physics. Aspects of the Physical World. Fall term. Credit three hours. Mr. Silverman and staff.

The central aim is to give nonscience majors insight into the methods and results of physics and its neighboring sciences. A set of wide-ranging, but related topics are considered, without attempting to survey physics systematically at any level. Diversity of treatment is employed. Topics include nature of space and time, relativity, the solar system and gravitation, atoms and the structure of matter, semiconductor devices, and elementary particles.

202 Physics. Aspects of the Physical World. Spring term. Credit three hours. Mr. Silverman and staff.

See description under Physics 201.

301A/B Aerospace Studies. Laboratory in Advanced Leadership Experiences (Corps Training). Both terms. No credit. Staff.

See description in the following section Senior Year.

Senior Year

All cadets are required to take AS 400B and one of the five management courses as outlined below. Corps Training is required each semester.

400B Aerospace Studies. The Professional Officer. Spring term. Credit three hours. Lieutenant Colonel Heberling.

A study of Air Force leadership at the Junior Officer level, including basic concepts of human behavior, motivation, and human

relations. Leadership and leadership variables are analyzed by group discussion, case studies, and role playing. Essentials of the military justice system are examined. Cadets present oral and written reports.

30 Air Force ROTC Program

121 Business and Public Administration. Personnel Administration and Human Relations. Both terms. Credit three hours. Mr. Brooks.

The objective of this course is to develop an understanding of the policies, methods, and techniques utilized in personnel management and human relations. Specific attention is given to problems of recruitment, selection, training, compensation, motivation, communications, service and benefit programs, performance evaluation, management by objectives, safety, discipline, and community relations. The capacity to analyze problems, to select the most effective means of dealing with them, and to plan appropriate courses of action is developed through case studies. Attention is also given to analysis of trends in personnel management.

360 Industrial and Labor Relations. Manpower and Organization Management. Spring term. Credit three hours. Department faculty.

Study and analysis of public and private policies and programs for forecasting, planning, recruiting, selecting, developing, utilizing, upgrading, rehabilitating, and evaluating manpower resources at the individual organizational (micro) level and at societal (macro) level. A multidisciplinary approach is used in an analysis of theory, policy, and programs. At the public level this subject matter involves identification and measurement of human talent; education, training, and development of the work force; manpower planning, manpower information and standards; motivation and morale factors; mobility; distribution of manpower; rehabilitation and other organizational analysis, planning and reorganization; manpower forecasting and planning; recruitment and selection of work force; education, training, development, and retraining; compensation, incentives, and rewards; performance appraisal; communications systems; leadership, supervision, and control; manpower utilization and analysis of problems.

450 Industrial and Labor Relations. Personnel Administration in Supervision. Both terms. Credit three hours. Faculty of the Department of Organizational Behavior.

A review of the personnel function in business and industry with emphasis on the personnel responsibilities of the line supervisor.

The course is closely linked to evidence developed by behavioral sciences research. Topics of discussion will include organization theory, leadership, organization structure and change, group influences on individuals, employee motivation, and other human problems of management. Specific personnel administration functions and practices, as they are related to these problems, also will be included, e.g., selecting, inducting, training, rating, and compensating employees; developing techniques for interviewing; adjusting complaints and grievances; and aiding in the solution of employee and supervisory problems. Selected readings, case studies, discussion, and projects.

567 Industrial and Labor Relations. Management and Leadership Development. Fall term. Credit three hours. Mr. Campbell or Mr. Foltman.

Study of the factors affecting growth and development of managers and leaders in industrial and other organizations. Consideration is given to organizational environment, formal and informal developmental programs, leadership theory, and individual attitudes and beliefs. Special emphasis is given to analysis of specific case studies of actual practice.

119 Hotel Administration. Personnel Administration. Both terms. Credit three hours. Mr. Dermody.

A practically oriented approach to personnel management, including an introduction to organizational behavior, the selection and placement of personnel, the role of supervision, performance appraisal, wage and salary administration. Class discussion is based on case studies drawn from industry.

401A/B Aerospace Studies. Laboratory in Advanced Leadership Experiences (Corps Training). Both terms. No credit. Staff.

A cadet military organization, the Cadet Squadron, is used as a vehicle to develop leadership potential. Cadets plan, organize, conduct, and supervise all activities in the Cadet Squadron, thus participating first-hand in the duties, functions, and responsibilities of Air Force commanders.

Flight Instruction

Prospective pilots in their senior year participate in the Air Force ROTC flight instruction program at no cost.

This flying program consists of 36½ hours of flying training in a light aircraft at a local airport. Upon completion of the program, a cadet may apply for a private pilot's license through the Federal Aviation Agency.

Active Duty

Upon completion of either the Four-Year or Two-Year Air Force ROTC Program and graduation from Cornell, the cadet is commissioned a second lieutenant, Air Force Reserve. The length of active service required is four years for engineers and general service category officers. Pilot and navigator trainees are required to complete five years after receipt of their aeronautical rating. Service is normally as a second lieutenant for one and one-half years, as a first lieutenant for one and one-half years, and as a captain after three years. Those who wish to obtain advanced degrees may apply for educational delay in reporting for active duty.

Those cadets designated as Distinguished Air Force ROTC Graduates may be offered commissions in the Regular Air Force upon graduation. Others have an excellent opportunity to compete for a regular commission during their early years of service.

Duty Assignments

Air Force policy has been to assign each new officer to a career field which closely approximates his educational background. Students in the engineering-scientific category may be assigned to practice in their specialty in research and development, communications, aeronautics, astronautics, design and development, the biological sciences, computer design and maintenance, weather, or various other engineering and scientific fields. They will work under the supervision of some of the most highly qualified men in their field and have access to the latest scientific facilities and equipment.

Pilots and navigators, after completion of flying training, are assigned primary duties flying various aircraft types depending upon their desires and the needs of the Air Force.

Those officers graduating under the general category can anticipate assignments in man-power management, administration, logistics, police and investigation, intelligence, personnel, transportation, information, and numerous other career fields. They will use their educational backgrounds in positions of responsibility and be given the opportunity to develop further their managerial and administrative skills.

ROTC Extracurricular Activities

Rifle Teams

Cornell University has a varsity and freshman rifle team coached by a member of the Department of Military Science. The varsity participates in twenty "shoulder-to-shoulder" matches a year including the annual Ivy League Tournament and the National Rifle Association Sectional Matches.

In addition, the Army sponsors an ROTC rifle team that competes for national and intercollegiate honors through the medium of postal matches.

The range is located in Barton Hall where weapons, ammunition, targets, and instruction are provided.

Scabbard and Blade

The National Society of Scabbard and Blade, a triservice military honorary society, is represented at Cornell by Company C, 1st Regiment. Its purpose is to raise the standard of military education in colleges and universities, to unite the military departments in closer relationships, to encourage and foster the essential qualities of good and efficient officers, and to promote friendship and good-fellowship among all cadet officers. Membership is selected from ROTC cadets of all three services.

Arnold Air Society

The Arnold Air Society is a national honor society, named for the late General Henry H. (Hap) Arnold of the Air Force. It was organized in order to further the purpose, mission, tradition, and concept of the United States Air Force as a means of national defense, to promote American citizenship, and to create a close and more efficient relationship among the Air Force Reserve Officers Training Corps cadets. Membership is offered to a limited number of Air Force cadets. The society has over 170 squadrons on campuses of various colleges and universities in the United States and Puerto Rico.

NARMID

(Naval Honorary Society)

The NARMID Society is an honorary society open to members of the junior and senior class and second-term sophomores who have participated in at

least one at-sea training period and who stand high in their class in aptitude for the service. NARMID acts as a service organization managing the extracurricular social, athletic, and journalistic activities program for midshipmen in the NROTC unit. The society also conducts its own social and fraternal program to promote the spirit of comradeship among the members. Because of its wide range of activities, the Society enables its members to assume responsibilities early, and better prepares them for the duties required of naval and marine officers.

Semper Fidelis Society

(Marine Corps Honorary Society)

Those eligible for membership in the Semper Fidelis Society are Cornell students enrolled in a program leading to a commission as an officer in the United States Marine Corps.

The objective of this Society is to prepare future officers of the United States Marine Corps for their responsibilities when commissioned. This is accomplished by the dissemination of information pertinent to a better understanding of officers' duties, by the stimulation and protection of the high tradition and ideals of the United States Marine Corps, by the promotion of good fellowship, and by the cultivation of social virtues among the members.

ROTC Brigade Band

The ROTC Brigade Band furnishes music for drills, parades, and honor guards.

Any cadet who plays a musical instrument is encouraged to try out for the band.

The Cornell Rangers

The Cornell Rangers are dedicated to learning skills which increase an individual's confidence and help him become an effective combat leader. Its long-range objectives are to realize the value of staying in good physical shape, to achieve proficiency in Ranger operations, to promote enthusiasm for the ROTC program, and to motivate qualified cadets to seek a career in the Army.

The program emphasizes outdoor training and learning by doing. Training is conducted twice weekly by qualified senior cadets of the organization and supervised by the Army ROTC cadre. Membership is selected from Army, Navy, and Air Force ROTC cadets.

Selective Service

Male college students between the ages of eighteen and twenty-six must be registered with their Selective Service Boards. Information may be obtained from the Office of the Dean of Students, 133 Day Hall, Cornell University, Ithaca, New York 14850.

REQUEST FOR FURTHER INFORMATION

Requests for further information regarding admission to the ROTC programs may be made by filling out and mailing the coupon below. (Cross out all but desired addressee.)

Professor of Military Science
Professor of Naval Science
Professor of Aerospace Studies (ROTC)
Cornell University, Ithaca, New York 14850

Dear Sir:

I would like to receive further information about:

[check one]

Army ROTC. Naval ROTC. Air Force ROTC.

Please register me tentatively for your program. I will be in the College

(or School) of

Signature

Name (printed)

Address

(Enter specific questions on reverse side.)