

CORNELL CHRONICLE

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Student Grievances

FCR Adopts Procedure

The Cornell University Faculty Council of Representatives (FCR) has adopted a student-academic staff grievance procedure in response to a recommendation from the Provost's Advisory Committee on the Status of Women at Cornell. The grievance procedure establishes a formal system for review

of complaints by students against members of the academic staff concerning any kind of legally prohibited discrimination. The procedure provides three steps for the resolution of complaints, ranging from a direct meeting between the grievant and the faculty member who is the object of the complaint, to consulta-

tion with the dean of the involved college, who can then empanel a three-member advisory board to arrange a settlement or make recommendations.

The printed grievance procedure explains that the types of discrimination covered by the new procedure include, but are not limited to, discrimination on the basis of age, race, color, creed, religion, national or ethnic origin and sex. Kenneth Greisen, University ombudsman, said the new procedure does not cover complaints about grading, the conduct of courses or similar types of complaints unless these relate to legally prohibited kinds of discrimination.

Danilee Poppensiek, the administrative aide in the ombudsman's office and a member of the Provost's Advisory Committee, said the grievance procedure was

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Athletic Ticket Plan Is 'Quite a Bargain'

A new athletic ticket plan for Cornell students, faculty and staff and the general public has been announced by Athletic Director Dick Schultz.

Under the plan, the CUAA coupon book will be replaced next fall by a "half-price" card that will still offer Cornell sports fans a major savings in the purchase of tickets to home sporting events.

Students will be able to purchase the card for \$10. Faculty and staff will be charged \$15 and everyone else, including alumni, will pay \$20.

Card holders can then purchase reserved seat tickets to football and hockey as well as general admission tickets to basketball, soccer and lacrosse (there are no reserved seats for these sports) for half the regular price. With the "half-price" card a

football season's ticket would cost \$12.50 for five home games. A season package of home hockey game would cost \$15. The charge for basketball would be \$8, for soccer it would be \$6, while a lacrosse season ticket would be \$5.

"We put this new plan together taking into account our need to increase revenue because of the tremendous rise in the expenses necessary to direct a major athletic program" Schultz said. "We hope to do it by increasing the number of tickets sold. The actual expense might be a bit more than last year in certain cases."

"However, in a majority of cases, especially for students, there is a savings over last year. We are still offering people quite a bargain. If

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Commencement Schedule Set

If the Commencement Day luck of the last two years — which brought exceptionally nice weather — holds up, Schoellkopf Field will be the site of the 109th annual Cornell University Commencement Exercises at 11 a.m. Monday, May 30, making the third year in a row in the commodious outdoor stadium. Prior to that for many years, even though the ceremony was inside at Barton Hall, the days also were sunny.

Officials are keeping their fingers crossed, but if luck fails, two alternative plans are ready for use depending on how ferocious the weather turns out to be. In case of predicted showers, the graduating classes will assemble in Lynah Rink instead of the Arts Quad before proceeding to Schoellkopf. If the weather is very bad, degree recipients will receive instructions in Teagle Hall, and will be divided up between Barton Hall and Lynah Rink for abbreviated ceremonies. Announcements of inclement weather procedures will be made over local radio stations.

This year's commencement will mark a rite of passage not only for the estimated 3,827 recipients of degrees, but for Dale R. Corson as well, who will deliver his final commencement address as president.

The complete commencement schedule, with notes on rain procedures and procurement of academic costume, follows:

The 109th Annual Commencement of Cornell University will be held in Schoellkopf Field on Monday, May 30, 1977, beginning at 11 a.m. (Daylight Saving Time):

Schedule:

(Note: This schedule is followed precisely on time.)

9:45 a.m. Guests may enter Schoellkopf. All are requested to be in their seats by 10:45 a.m.

9:30 a.m. The *Class Division* (candidates for degrees) will assemble at the designated places on the main quadrangle. See below.

9:35 a.m. The *Faculty Division* (members of the Faculty including emeritus professors) will assemble on the walk in front of Goldwin Smith, south end.

9:35 a.m. The *Trustee Division* will leave Day Hall to take the reviewing position, under direction of the Trustee Marshals.

9:45 a.m. Divisions will be in order. Marshals will check groups for start of procession.

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Final Chronicle

This issue of the Chronicle is the last one of this semester. A Chronicle will be printed June 9 just prior to Reunion Weekend.

Regular publication will resume Sept. 1, first registration day of the fall term.

Cornellians Are Rewarded For Money-Saving Ideas

Five members of the Cornell community have received cash awards and one an honorable mention for money-saving ideas submitted as part of Cornell's War on Waste program. The awards were made at the Administrative Council luncheon on Wednesday in Clark Hall.

Jack Lowe, chairman of the War on Waste committee, awarded three \$100 prizes. The recipients were F. Harvey Pough, associate professor of herpetology, for a suggestion to reduce the number of state fleet vehicles traveling daily between Ithaca and the Geneva Experimental Station by implementing car pooling; Pauline S. Cameron, administrative supervisor in the department of art history, for an idea that would increase the efficiency of classroom space, time and equipment scheduling; and Edwin J. Andrews, associate professor of veterinary pathology, for a proposal to improve reprint request techni-

ques by substituting commercially available request forms for Cornell's request cards.

Two \$50 awards went to Jo Ann Wimer, transportation department, and Michael E. Meadows, Engineering '79, who had similar ideas for using curtains and venetian blinds to cut down on heat loss in the winter.

An honorable mention went to Marie A. Gast, Olin librarian, for a proposal by which employees could arrange to have their pay checks electronically deposited in local banks. Although this idea, according to Lowe, had been previously proposed by University officials, the suggestion merited an honorable mention since the University plans to implement the proposal.

Lowe said the Committee on Academic Records and Instructions is recommending partial implementation of the proposal for increasing the efficiency of class room scheduling. In addition, the University plans

to make commercial reprint forms available and to provide prepaid forms on a trial basis. The rest of the suggestions, according to Lowe, are being examined closely by the committee and appropriate departments before any final decisions are made.

While none of the suggestions were accompanied with actual figures for cost savings, each included estimates for savings in terms of time, staff convenience, increased efficiency and other savings measures. Lowe said that each individual who submitted ideas in the competition will receive a personal response indicating the committee's evaluation of the proposal.

The War on Waste program was launched this year as a result of Cornell's winning a \$2,500 prize in 1975-76 in a nationwide competition sponsored by the National Association of College and University Business Officers.

Lowe said that only 16 individuals submitted ideas in time to be evaluated for this round of awards. Additional prizes will be awarded at the end of the summer semester and next year. "The committee was disappointed by the small number of responses. We hope the numbers pick up in the future, so we can give out more prizes," he said. The amount and number of cash prizes are determined after entries are submitted.

The competition is open to the entire Cornell community. Entries may be sent through the campus mail to the War on Waste Committee, 123 Day Hall. A single page format should be used, briefly describing the present practice and outlining the new plan with an estimate of savings to the University if possible.

Grievance Procedure

Continued from Page 1

recommended to the FCR because the guidelines handed down by the Department of Health, Education and Welfare on the implementation of Title IX of the Federal Education Act Amendments of 1972 require the establishment of such procedures in institutions that receive federal funds.

The advisory committee has been designated by the provost to carry out the self-evaluation required by the guidelines to determine which areas of University operations need to be changed to be brought into compliance. Poppensiek said the advisory committee found that the University already has a series of grievance procedures in other areas of University affairs, such as the procedures for non-academic employee grievances and for student-administrator grievances, that meet the requirements of the Title IX guidelines.

Copies of the new grievance procedure are available in the ombudsman's office in Barnes Hall and in the Office of the Dean of the Faculty in Day Hall.

Job Opportunities At Cornell University

The following are regular continuing full-time positions unless otherwise specified. For information about these positions, contact the Personnel Department, B-12 Ives Hall. Please do not inquire at individual departments until you have contacted Personnel. An Equal Opportunity Employer.

Individuals in lay-off status will be given preference in referrals.
* indicates new jobs in this week
(sh) indicates shorthand required

POSITION

(DEPARTMENT)

CLERICAL POSITIONS

* Administrative Aide I, A-18 (Arts & Sciences Admissions)
Administrative Aide I, A-18 (Univ. Counsel & Sec'y to Corporation (sh))
Administrative Aide I, A-18 (Africana Studies & Research Center)
* Sr. Admin. Secretary, A-17 (Law School)
Sr. Admin. Secretary, A-17 (Office of University Counsel (sh))
Sr. Admin. Secretary, A-17 (Univ. Development (Western Regional Office))

Benefits Assistant, A-16 (Personnel)

* Administrative Clerk, A-16 (Health Services)
* Head Account Clerk, A-15 (Endowed Payroll)
Library Assistant III, A-15 (Univ. Libraries (Catalog/Olin))
* Administrative Secretary, A-15 (English)
Administrative Secretary, A-15 (Engineering Dean's office)
Administrative Secretary, A-15 (Russian Literature)
Administrative Secretary, A-15 (Office of Public Information)
* Copy Prep. Spec., A-15 (Graphic Arts Services)
Searcher II, A-15 (Univ. Libraries (Acquisitions/Olin))
Searcher II, A-15 (Univ. Libraries (Catalog/Olin))
Administrative Secretary, A-15 (Applied & Engr. Physics)
Administrative Secretary, A-15 (Coll of Arch/Art/Plann)
Admin. Sec'y & Sales Ass't, A-15 (University Press)
* Principal Clerk, A-14 (Dining)

Principal Clerk, A-14 (Health Services)

* Principal Clerk, A-14 (Office of the Bursar)

* Sr. Account Clerk, A-13 (Office of the Bursar)

Department Secretary, A-13 (University Press)

Department Secretary, A-13 (Univ. Libraries (Acquisition/Olin))

Department Secretary, A-13 (Hotel Administration)

Department Secretary, A-13 (Phys. Ed. & Athletics)

Department Secretary, A-13 (Health Services)

Searcher I, A-13 (Univ. Libraries (Acquisitions/Olin))

* Searcher I, A-13 (Univ. Libraries (Catalog/Olin))

Library Assistant, A-13 (Univ. Libraries (Fine Arts Library))

* Technical Aide II, NP-11 (Div. of Nutritional Sciences)

* Steno III, NP-9 (Student Administration)

* Steno III, NP-9 (Agri. Engineering)

* Secretary/Steno, NP-9 (Coop. Exten. (NYC Programs))

Administrative Secretary, NP-8 (Coop. Exten. (NYC Programs))

* Steno II, NP-6 (Small Animal Med. & Surgery)

Steno II, NP-6 (Vegetable Crops)

* Steno II, NP-6 (Human Dev. & Family Studies)

Key punch Operator, A-13 (Computer Services)

* Library Assistant II, A-12 (Univ. Libraries (Serials/Olin))

* Library Assistant II, A-12 (Univ. Libraries (Physical Sciences))

* Library Assistant II, A-12 (Univ. Libraries (Circulation/Olin))

Library Assistant II, A-12 (Univ. Libraries (Serials/Olin))

Records Clerk, A-11 (Graduate School)

Clerk, A-9 (Alumni Affairs)

ADMINISTRATIVE POSITIONS

Director of Lab Operations I, CPO8 (Drug Testing & Toxicology (Diagnostic Lab))

Assistant Univ. Counsel (University Counsel)

Budget Analyst III, CPO5 (Budget Office)

Director of Employee Relations, CPO6 (Personnel Services)

Assoc. Director, Minority Programs SDS-III, CPO5 (NYSSILR)

Professional Chef, CPO5 (Dining Services)

Graphic Designer-Visual Spec. III, CPO5 (University Publications)

Business Manager, CPO5 (Dining Services)

Dining Manager, CPO5 (Dining Services)

Dining Supervisor, CPO2 (Dining Services)

Business Manager, CPO5 (Department of Utilities)

Sports Information Director, CPO5 (Public Affairs-Sports Information)

Design Engineer II, CPO4 (Buildings & Properties (Geneva))

Assistant Director, CPO4 (Academic Funding)

* Personnel Associate II, CPO4 (Personnel Services)

Executive Staff Assistant-III, CPO6 Institutional Research (Financial & Planning Services)

Administrative Supervisor II, CPO3 (Johnson Museum)

Resident Director of Ujamaa, CPO2 (Residence Life - Dean of Students Office)

Staff Physician (Health Services)

Clinician/Physician's Assist. CPO3 (Health Services)

* Production Assistant (WHCU/Department of Black Programming)

TECHNICAL POSITIONS

Sr. Electronic Tech. A-21 (Chemistry)

Sr. Computer Operator, A-21 (Office of Computer Services)

Electronic Tech. Supervisor, A-21 (Material Science Center)

Control Mechanic (Physical Plant Operations (Union job))

Continued on Page 4

Campus Emergency?

256-1111

Campus Bus To Stop In Risley-Balch Area

Beginning May 31, all Cornell campus buses will pick up and discharge passengers at a new campus bus stop in the Risley-Balch Halls area.

The incoming (from parking lot A) bus stop will be at the bus shelter on Thurston Avenue in front of Risley Hall. The outgoing stop will be in

front of Balch Hall directly across from the Risley stop.

This added stop is designed to meet the increased demand for campus bus service in the area, according to David Brown, director of transportation services.

In view of these route changes, special Alumni House bus passes will no longer be necessary, he said.

Campus Bus Summer Schedule

Express campus bus service to and from the A and B parking lots will be discontinued for the summer months starting Monday, May 30. Express service will resume in the fall when classes begin.

15 minute service B lot 5:45 a.m. - 7:00 a.m.

15 " " A&B " 7:00 a.m. - 7:30 a.m.

5 " " " " 7:30 a.m. - 8:30 a.m.

8 " " " " 8:30 a.m. - 9:15 a.m.

15 " " " " 9:15 a.m. - 11:45 a.m.

8 " " " " 11:45 a.m. - 1:30 p.m.

15 " " " " 1:30 p.m. - 3:45 p.m.

6 " " " " 3:45 p.m. - 5:10 p.m.

15 " " " " 5:10 p.m. - 6:00 p.m.

REMINDER: There will be no campus bus service on July 4. Employees with A, B, or A/B permits may park on campus on July 4.

Darling Retires Amid Songs of Praise

Ruth W. Darling, associate dean of students in charge of housing at Cornell, will retire June 30, leaving behind her a housing situation and a University that are in many ways unrecognizable from what she encountered when she first came to work here.

Darling's co-workers in the Dean of Students Office, the employees who have served under her in the housing department and top University executives, such as Provost David C. Knapp, speak glowingly, almost reverently, of Darling as an exceptional administrator whose wisdom, open-mindedness and ability to solve complicated, emotion-laden problems helped to carry Cornell University through one of its most difficult periods.

A pattern of residential life at Cornell that had not changed for decades was transformed under Darling's watchful guardianship to the present system of coed dormitories, special project living units such as Risley and Ujamaa, and housing regulations that have given new freedoms to all undergraduates. In addition to the changes in policies, there have been physical changes as well: in the mid-60s, Darling supervised the planning of the seven North Campus dormitories, which now house 1,100 students.

Darling came to Ithaca in 1938, the wife of Dr. Douglas Darling, a psychiatrist who helped to found the Cornell Mental Health Clinic. In the early '50s, Darling took courses at the University, and in search of a career, she began to work as a research assistant to John Summerskill, who was soon appointed Vice President for Student Affairs. In 1959, Darling was made assistant dean of students in charge of sororities, and by 1964 she was associate dean of students with responsibility for all student housing.

Darling is a soft-spoken woman whose blue eyes smile even when her mouth is set in its accustomed expression of determination. Co-workers say she is extraordinarily adept at "getting things done," but what most impresses the daily stream of students who come to her with grievances and personal problems is the feeling that they had been listened to and treated fairly.

Ann Shumate, assistant dean of students and a long-time friend, said "She listens to what people say. They're very aware that they had been heard. She's clear with them why she makes a decision, and she doesn't duck or evade or try to placate."

The stream of students has been heavy in recent years. A campus housing shortage that each fall deposits hundreds of students in dormitory lounges has engendered serious problems for some students, and Darling is routinely called upon to act as arbiter in cases of undergraduates who are dissatisfied with their living arrangements or who fear being forced to move off campus.

Dean of Students Elmer Meyer Jr., who has the authority to overrule Darling, said one measure of her effectiveness is the fact "that of the hundreds of students who come to see her every year, there are only a few cases a year that go beyond Ruth and come to me."

But many of the problems Darling has dealt with have been far more serious than disputes concerning roommates and room contracts. During the '60s, when the shock waves of the major social issues began reverberating across the campus, Darling was intimately involved with helping the University adjust to changing conditions. She brought innate wisdom, knowledge accumulated from extensive reading, patience and receptivity to bear in dealing with



Ruth Darling at a reception in her honor.

problems that had never before confronted the University. Most importantly, Darling listened to students, and Cornell's top administrators listened to her.

In the middle and late '60s, for example, the number of minority students on campus began to increase, and interracial tension in the dormitories manifested itself in hostility between white and black students and occasional incidents of violence. Darling was one of the first administrators to argue that simply admitting minority students into a predominantly white University was not enough, and she supported many of the demands of minority students for special minority programs.

In 1971, when a group of students came to her with the suggestion of establishing a special project living unit to study the problems of developing nations, Darling marshalled the resources to make possible the founding of Ujamaa. As Ujamaa came under scrutiny first by the Department of Health, Education and Welfare, and then the New York State Board of Regents, Darling remained a painstaking defender of the living unit.

Meyer said of Darling, "More than any other staff member (in the Dean of Students Office), she has seen the social evolution of the period, from women's rules that penalized women by kicking them out of school for staying out overnight to coed dorms and equal rules for men and women."

Darling has been a consistent facilitator of change rather than a proponent of the status quo. As she puts it herself, "Because things have always been done a certain way is not a reason to continue doing them that way. Most of us who work (in the Dean of Students Office) have that receptiveness to consider the advisability of change, to consider that there may always be a better way to do something."

Those who have worked closely with her, however, give her a far larger share of credit for innovations in campus policy. One fellow worker said Ruth "is the person who can see further than most and imagine possibilities. She is the person with the vision, with the ability to project new ways of looking at things. She has been the person over many years in this office who has been a leader in looking ahead, in evaluating the implications of what we do today on what will happen tomorrow."

An example of Darling listening to students and seeing the possibilities inherent in their suggestions was the sequence of events that led up to the founding of Risley Residential College, the first special project living unit. In 1970, a small group of undergraduates came to Darling, suggesting that a 40-bed unit be set aside for students who shared an interest in the creative and performing arts.

The University at that time did not own a 40-bed unit, but after some thought, Darling astonished the students by suggesting that they find out how many undergraduates would be interested in such a project, and if they found enough, why not take Risley Hall? The building, a women's dormitory since it opened in 1913, was soon converted to a coeducational unit with well over 200 residents. Risley now sponsors plays, musical performances, indoor and outdoor fairs, art exhibitions and other activities related to the arts.

Darling also worked closely with students during her unstinting involvement with the recently-defunct University Senate. She sat on the floor in Barton Hall in the days that preceded formation of the Constituent Assembly, the precursor of the Senate, and during the eight years of the Senate's existence she rarely missed a meeting of that body or its housing subcommittee.

Darling's expertise in University affairs beyond her own province of campus housing has been recognized in a number of ways, including the fact that she was made chairwoman of the Provost's Advisory Committee on the Status of Women at Cornell. The committee has been given the responsibility of conducting the institutional evaluation mandated by the new Health, Education and Welfare Title IX guidelines to determine if the University discriminates on the basis of sex.

Darling will retire June 30, but it is certain that she will leave a hardy legacy of strong impressions. One of these will be her knack to ease tension and break log jams at important meetings by quoting from memory pertinent extracts of poetry. "She's very articulate, and she has an excellent facility for quoting poetry from memory," Ann Shumate said recently. "She pulls quotes from poems she memorized years and years ago; they are always absolutely appropriate. People are just amazed."

Another impression will be that of a woman who provided insight and guidance to newcomers. Meyer, who came to Cornell as Dean of Students during the zenith of campus unrest in 1969, said, "Of all the people here, Ruth was the one who taught me the most about Cornell right from the beginning."

William Paleen, director of student housing who will succeed Darling as associate dean, said, "Working with her and learning from her has been absolutely the finest thing that has happened to me at Cornell. She's a person whom most people would turn to in terms of trying to find out what's going on. I don't think there's anybody who doesn't trust Ruth."

Hospital Registration Centralized

Cornell employees are receiving questionnaires from Tompkins County Hospital this week through their departmental payroll representatives. The purpose is to obtain demographic information for the hospital's new central registration system.

By filling out the questionnaire and returning it to the hospital, employees will receive a registration card in the mail. This card can be presented at the new central registration area near the hospital's main entrance if an employee becomes a patient at the hospital.

The new system is expected to

save time for both patients and hospital staff members, minimize billing error and simplify hospital record-keeping by eliminating the need to ask for information each time a patient visits the hospital.

Under the old system, each of the hospital's seven departments gathered its own demographic information from patients. If a patient were seen in three departments, for example, even on the same day, information would be collected three times.

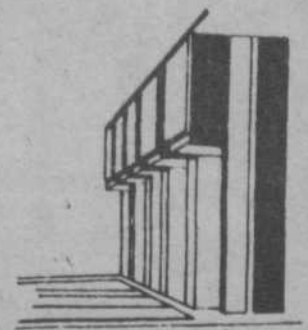
The hospital would like to pre-register as many persons as possible so that the information need not be

gathered when a patient is first seen at the reception area, which might cause delays as the new system is put into effect.

Cornell and local businesses and industries are cooperating with the hospital to pre-register employees, according to Karl D. Keller, Cornell's benefits manager. Spouses and dependents of employees will be pre-registered at a later date, he said. For those not employed, questionnaires will be available at certain locations in the community or from the hospital.

Keller said completing the questionnaire is voluntary. Any

questions should be addressed to Linda L. Kline, coordinator of patient reception at the Tompkins County Hospital, 274-4230.



CORNELL
CHRONICLE

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Chronicle Comment

Chronicle Comment is a forum of opinion for the Cornell community. Address comments to Elizabeth Helmer, Managing Editor, Chronicle, 110 Day Hall. Letters submitted for publication in the Chronicle must be typed, double space, with 75 characters to a line, no more than 600 words in length. The Chronicle intends to adhere to this limit because of space and financial restrictions. The deadline is Monday noon at 110 Day Hall. Letters addressed to someone other than the editor, personal attacks against individuals or unsigned letters will not be printed.

'Harassment' Causes Concern

Editor:

We are deeply concerned over the Phillips Hall incident (*Cornell Daily Sun*, April 15, 19, 20), and particularly over the manner in which it has been handled. University employees, faculty and staff, were alleged to have harassed six Asian students and a baby on March 18th within our campus. Though university authorities have been contacted by the students and a complaint was filed with the Judicial Administrator in March, no hearings

have taken place. Due to the racial overtones involved in the incident, this cannot be accepted as a trivial matter. However, it was not reported in the school newspaper until 28 days afterwards. The incident did occur; it cannot be ignored. Silence and evasion can only hurt the reputation of our Cornell community.

We, as members of the Cornell faculty, strongly urge the Judicial Administrator and the university authorities to investigate this matter

promptly, ascertain the facts and make an open report.

*Ta Liang, professor
Civil, Environmental Engineering
Hsien-Chung Wang, professor
Mathematics
Pilwun Wang, lecturer
Modern Languages, Linguistics
Kam-Ming Wong, assistant profes-
sor
Asian Studies
Tung-Mow Yan, associate professor
Physics*

Earth-Shaking Discovery

'Bulge' Linked to Quake

To campers near Hebgen Lake, Mont. on the night of Aug. 17, 1959, the earthquake that rocked their tents, created a five-mile-long lake and dropped the earth more than 22 feet was a sudden, unexpected occurrence.

But geologists at Cornell have determined that the earthquake region had begun to develop a suspicious "bulge" at least 25 years before the quake and that the region was still being uplifted at least five years after the earthquake.

Robert Reilinger, a doctoral student in the Department of

Geological Sciences, will present his findings on the doming of the Hebgen Lake region at the spring meeting of the American Geophysical Union to be held in Washington, D.C. in late May.

"We looked at changes in elevation throughout the Snake River Plain, Yellowstone and southwestern Montana region — a much larger area than that studied intensively after the earthquake — and found that an area of approximately 8,000 square kilometers (about 3,000 square miles) surrounding the site of the earthquake

had risen 15 to 20 centimeters (about 10 inches) since about 1923," Reilinger said.

Reilinger and his co-workers have suggested that uplift preceded the earthquake for a considerable time (probably thousands of years) giving rise to tensions in the upper crust. When these forces exceeded some critical value, the ground broke — causing the earthquake and some 22 feet of vertical movement along the Hebgen fault. The doming of the area continued after the quake, he added.

Reilinger, who began his investigations at the suggestion of his department chairman Jack E. Oliver, used level surveys prepared by the U.S. Geodetic Survey to calculate the change in elevation of the earthquake area.

Five survey lines, run at different times, transected the study area, allowing Reilinger and his co-workers to cross-check the level data and to determine that the uplift had probably been a fairly continuous process rather than the result of a few isolated geologic events.

The reasons for the uplift are still uncertain, but Reilinger and his co-workers have suggested that the observed uplift is due to an expanding chamber of molten rock, called magma, within the crust. Such an explanation is a reasonable hypothesis, Reilinger believes, because the region is one of relatively recent volcanic activity and continuing geothermal activity in nearby Yellowstone Park.

The study was funded by the U.S. Geological Survey, as part of a project to gather enough data about earthquakes in the U.S. to eventually make earthquake prediction a reality.

Job Opportunities

Continued from Page 2

Experimental Machinist, A-19 (Lab. of Nuclear Studies)
Sr. Lab. Tech. A-18 (Biochem. Molecular & Cell Biology)
Synch. Tech. A-17 (Lab. of Nuclear Studies)
* Computer Operator I, A-17 (Computer Services)
Experimentalist I, NP-11 (Pomology & Viticulture (Geneva))
Experimentalist I, NP-11 (Seed & Veg. Sciences (Geneva))
Lab. Tech. II, NP-11 (Design & Environ. Anal.)
Lab. Tech. II, NP-11 (Diagnostic Lab.)
Research Tech. II, NP-10 (Plant Pathology)
Research Tech. II, NP-10 (Plant Pathology (Geneva))
* Lab. Tech. I, NP-8 (Vet. Pathology)
* Lab. Tech. I, NP-8 (Diagnostic Lab. - Equine Drug Testing (Batavia/Buffalo Rcwys))
Lab. Tech. I, NP-8 (Vet. Microbiology)
Lab. Assist. III, NP-5 (Food Science & Tech. (Geneva))
Research Support Spec. II, CPO4 (Vet. Pathology)
Research Support Spec. II, CPO4 (Food Science)
Research Support Spec. I, CPO3 (Agri. Engineering)
SERVICE & MAINTENANCE POSITIONS
Filter Plant Operator Sr. A-20 (Department of Utilities)
Plant Operator (Utility), A-20 (Physical Plant Operations)
* Senior Off. Mach. Operator, A-13 (Hotel Administration)
* Custodian, A-13 (3) (Housekeeping)
Cook I, A-15 (Dining Services (9 month app't))
* Dining Service Worker, A-11 (Dining Services (9 month app't))
* Greenhouse Worker, NP-8 (Floriculture & Ornamental Horticulture)
Visual Aids Operator, NP-6 (Biomedical Communications)
Program Aide I, NP-5 (3) (Coop. Exten. (NYC Programs))
* Extension Support Aide, CPO2 (Coop. Exten. (NYC Urban Gardening Program))
June Caslick has joined our staff and will be handling all the Service and Maintenance positions.
ACADEMIC AND FACULTY POSITIONS (Contact Department Chairperson)
Research Associate IV, CPO6 (Department of Agri. Economics)
Research Associate II, CPO4 (Seed & Veg. Science (Geneva))
* Extension Associate II, CPO4 (NYS Coop. Exten. — Sea Grant (Oswego))
* Extension Associate II, CPO4 (NYS Coop. Exten. - Sea Grant (Stony Brook))
* Extension Associate II, CPO4 (NYS Coop. Exten. - Div. of Nutr. Sciences)
Extension Associate II, CPO4 (NYS Coop. Exten.-Div. of Nutr. Sciences)
* Rank Open (Food Science)
Assistant Professor (Department of Geological Sciences)
Associate Librarian, CPO5 (Univ. Libraries (Wason/Olin))
Assistant Librarian (Univ. Libraries (Maps, Microtext & Newspapers))
Assistant Librarian (Univ. Libraries (Acquisitions/Olin))
* Lecturer (Nutritional Sciences (9 month position))
Acting Director (Women's Studies Program)
Instructor/Coach (Varsity Diving) (Physical Education-Women)
These are all regular full-time positions unless otherwise specified.
PART-TIME AND TEMPORARY POSITIONS (All Temporary and Part-time positions are also listed with Student Employment)
Stat. Clerk IV, NP-10 (Rural Sociology (temp. f/t))
Admin. Secretary, NP-8 (Coop. Exten. Admin. (Potsdam, N.Y.) (temp. p/t))
* Admin. Secretary, NP-8 (Comm. Service Education (temp. f/t))
Clerk Typist, NP-7 (Coop. Ext. (temp. f/t) (NYC Programs))
* Steno II, NP-6 (Agri. Engineering (temp. f/t))
Account Clerk I, NP-6 (Coop. Exten. Admin. (perm. p/t))
Kitchen Helper, NP-5 (Human Dev. & Fam. Studies (perm. p/t))
Administrative Secretary, A-15 (Alumni Affairs (temp. f/t))
* Administrative Secretary, A-15 (Patents & Technology Transfer (perm. p/t))
Department Secretary, A-13 (Student Activities (perm. p/t))
Department Secretary, A-13 (Neurobiology & Behavior (perm. p/t))
Clerk, A-9 (Alumni Affairs (perm. p/t))
Temp. Service Clerk (Avian & Aquatic Animal Med. (temp. p/t))
* Temp. Service Clerk (Comm. Service Education (temp. p/t))
Technical Aide, A-18 (Appl. & Engr. Physics (1 yr. app't))
Lab. Tech. I, NP-8 (Equine Drug Testing - Monticello Rcwys (temp. f/t))
* Temp. Service Tech. (Johnson Art Museum (temp. p/t))
Lab. Tech. I, NP-8 (Equine Drug Testing (temp. f/t) (Saratoga))
Lab. Tech. I, NP-8 (LAMOS - Mastitis Control (temp. f/t) (Springville, N.Y.))
Program Aide I, NP-5 (4) (Coop. Ext. (NYC Programs (temp. f/t))
Programmer III, A-23 (Government/History (perm. p/t))
Research Support Spec. I, CPO3 (Agronomy (temp. f/t))
* Teacher (Univ. Coop. Nursery School (temp. p/t))

Concentration



Sage Chapel Convocations

Bishop, Wolfe To Speak

Jonathan P. Bishop, professor of English at Cornell University, will be the speaker at the Sage Chapel Interreligious Convocation at 11 a.m. Sunday, May 22. Bishop's topic will be "What is the Gospel?"

Bishop, a Cornell faculty member

since 1961, specializes in American literature and freshman composition, but in recent years he has also taught a course on the New Testament. His books include "Emerson on the Soul" (1964), "Something Else" (1972), and "Who is Who"

(1975). Bishop is a member of the Cornell Catholic Community.

At the Sage Chapel Convocation on Commencement Weekend, 11 a.m. Sunday, May 29, Charles E. Wolfe, a former Army chaplain who recently received his Doctor of Ministry degree from Wesley Theological Seminary in Washington, D.C., will be the speaker. His topic will be "The Scattered Stones."

The special convocation will honor all students receiving graduate or undergraduate degrees, as well as all retiring faculty and staff.

Wolfe's son Hawley is a member of the graduating class and student host at Sage Chapel. The Reverend Mr. Wolfe is a graduate of Northern Iowa University in Cedar Falls and received his theological training at Austin Presbyterian Theological Seminary. At the Wesley Seminary in Washington, Wolfe specialized in Greek exegesis and Biblical text criticism. He was a chaplain in the United States Army from 1966 to 1969, and saw duty in Vietnam. He was awarded the Bronze Star, the Purple Heart and the Army Commendation Medal for helping to provide a drinking water supply for a Roman Catholic orphanage.

The University Glee Club, under the direction of music graduate student David M. Janower, will provide the choral music for the convocation.

Documentary Photos Displayed in Library

"Documentary: The Photography of Persuasion," an exhibition featuring the works of social documentary photographers of the 1930s and 1970s, is on display now through mid-June in Uris Library.

The most dramatic photos are those of Cornellian and Life magazine photographer, the late Margaret Bourke-White, who was the first woman accredited to be a war photographer and who, in 1945, rode with Gen. George Patton's troops into Germany. Her experience is recorded in her book "Dear Fatherland: Rest Quietly," published in 1946. One of her most powerful and shocking photographs included in the book and on display in the Uris exhibition shows corpses being piled up at the Buchenwald Nazi concentration camp.

The photographs, on loan from the Herbert F. Johnson Museum of Art, were assembled by Eldon Kenworthy, associate professor of

government, who taught a freshman seminar on the documentary during the spring semester. The exhibition may be seen on the main level in the lobby and downstairs in the basement.

As part of the exhibition, Bourke-White's style is contrasted with the more introspective, subtle moods created by other photographers working in the 1930s including Walker Evans, Dorothea Lange, and Ben Shahn, all of whom were employed under a special photographic project, headed by Roy Stryker, within the Farm Security Administration.

Downstairs the works of photographers of the Progressive Era, including Alfred Steiglitz and Lewis Hine, are displayed. Several exhibit cases are devoted to the works of contemporary social scientists who have used photography to convey a message.

Day Camp Sign-Up Deadline Is June 15

Cornell Alumni University's Youth Program will run four week-long camps from July 10 to Aug. 6. Children must be pre-registered at the CAU Office by June 15.

Tuition, which includes five lunches and a Friday night banquet, is \$35 for the pre-school group and \$45 for children who have finished kindergarten through grade 5. Optional evening programs and a camp-out are included in the tuition for the oldest group, grades 2-5.

Children will be met at Mary Donlon Hall each morning between

8:15 and 8:30, and returned there between 4:30 and 5:30 p.m. Daily activities will be supervised by a staff of 16 counsellors. Children will

have the opportunity to swim at nearby state parks and at Teagle Hall. Tours of Cornell's computer center and the veterinary college will be part of the program which includes crafts, hiking, cookouts and canoeing.

For further information, call the CAU Office at 256-4800 or stop in at 158 Olin Hall.

4-H Programs Reach Urban, Rural Youth

Cornell's educational arm stretched beyond the Ithaca campus this past year to reach 698,747 New York State young people between the ages 9 and 19.

"This is four-and-one-half times the number participating in 4-H programs 10 years ago and a 10-fold increase since 1960," reports David L. Call, director of Cooperative Extension.

"More than 100 programs have been prepared and supervised by faculty of the State College of Agriculture and Life Sciences and State College of Human Ecology, in

which youth can acquire practical skills and knowledge that will help them develop positive attitudes toward themselves and others," he said.

Programs are offered through traditional 4-H clubs, special interest groups in schools and other agencies, and through special TV programs. Approximately 60 per cent of the youth participating in 4-H programs live in urban and suburban areas, 8 per cent live on farms and the remaining percentage live in rural areas. Three out of four farm youth are 4-H members.

'Articipation' Program Planned at Museum

The Herbert F. Johnson Museum of Art will conduct its summer program "Articipation '77" in July.

Staffed by members of the museum's education department, the activities will include a single day of free participation (Free-For-All Flying, July 23), Art Insights: Making Senses workshops for teens, adults and family groups, and Tues-

day Park Art at locations within the Ithaca community.

"Articipation '77" begins on Tuesday, July 5. For information call the museum at (607) 256-6464.

The program is funded in part by grants from the National Endowment for the Arts, a federal agency, and the New York State Council on the Arts, a state agency.

Watercolor Exhibit Features U.S. Artists

More than 30 watercolors by American artists of the 19th and 20th centuries will be on display at the Herbert F. Johnson Museum of Art May 17-July 3.

The paintings, which date from 1855 to 1955, illustrate the diversity of watercolor styles and techniques. Works loaned especially for this exhibition have been supplemented by works from the museum's own permanent collection.

Among the artists represented are Charles Burchfield, Arthur Dove, Morris Graves, Winslow Homer, Edward Hopper, John Marin, James McNeill Whistler and Andrew Wyeth. The exhibition was organized by Deobrah Black, a senior in the Department of History

of Art. In a handbook she wrote for the exhibition, Black says, "Today the distinctions between watercolor and other media are no longer as clear as they once were, for many artists exploit the opaque qualities of watercolor while others make use of the translucent washes possible with synthetic media."

Museum hours are Tuesday through Saturday from 10 a.m. to 5 p.m.; Sunday 11 a.m. to 5 p.m. The museum is also open Wednesday until 9 p.m. and will be open on Memorial Day, Monday, May 30.



Jim Sprankle uses a special tool to burn in the feathers on the decoys he creates in his Conklin, N.Y. workshop. Several of the decoys are on display at the Laboratory of Ornithology through mid-June.

Ducks, Decoys: Which Is Which?

Just about the only way to tell a real bird is to listen for the "quack." And at the Cornell Laboratory of Ornithology, where the sounds of live pond ducks are broadcast into the Stuart Observatory, even that technique might not be foolproof.

Sprankle's decoys, on display in the Fuertes Hall of the Laboratory of

Ornithology through June, float in water at just the right depth. The size is precisely the same as that of the wild bird and even the feathers have a soft look that almost fools the touch.

Sprankle, an avid hunter and taxidermist who once played professional baseball and now does public relations for a bank near his Conklin, N.Y., home, began carving as an alternative to buying duck decoys some six years ago.

He first entered his decoys in competitions throughout the country about four years ago and now holds 18 first-place ribbons including a "best-in-show" from among some 1,400 entries in the world championship competition in Salisbury, Md.

Long before Sprankle picks up his carving tools, he begins painstaking research on the bird he plans to carve — studying photographs, looking at study skins for plumage characteristics, taking exact measurements to which his finished birds must conform.

Next he makes a "saw pattern" of the sides and back of the bird from thin balsa wood and arranges them on a block of basswood, which he then carves into rough form with a carving tool.

Feathers are drawn on the carved bird in pencil then burned into the wood. It takes Sprankle about 40 hours to complete a bird — 20 to carve it and another 20 to paint it.

The birds are carefully weighted with lead and attached to keels so that they float in water at the same angle that a wild bird would. Float characteristics are particularly important, Sprankle explained, because the decoys are judged in water at the competitions.

The Laboratory of Ornithology, 159 Sapsucker Woods Road, is open to the public from 8 a.m. to 5 p.m. Mondays through Thursdays, from 8 a.m. to 4 p.m. Fridays and from 10 a.m. to 5 p.m. Saturdays and Sundays.



Five Elected to Academy

Five Cornell University faculty members are among the 108 United States scholars elected this year to the American Academy of Arts and Sciences.

The new Cornell members are Roger C. Cramton, dean of the Cornell Law School; Eleanor J. Gibson, the Susan Linn Sage Professor of Psychology; James J. Gibson, professor emeritus of psychology; Theodore J. Lowi, the John L. Senior Professor of American Institutions; and John W. Mellor, professor of agricultural economics.

The academy, founded in 1780 by John Adams and other prominent American intellectuals, is an honorary society that today has a membership of 2,300, including representatives from a wide variety of fields.

Cramton, a former assistant United States attorney general, came to Cornell as dean of the Law School in 1973. Before going to Washington, Cramton had served as a professor of law for 13 years, first at the University of Chicago and then at the University of Michigan. He is the author of three books, several monographs and some 30 articles.

James and Eleanor Gibson, husband and wife, came to Cornell together in 1949 after teaching at Smith College. Both Gibsons are internationally recognized authorities in the field of the psychology of perception. Both have published extensively and have been honored with numerous awards, including membership in the National Academy of Sciences.

James Gibson, professor emeritus since 1972, is the author of three books and is a former chairman of the psychology department. In 1972, Eleanor Gibson became the first woman in Cornell's history to hold an endowed professorship. She has published two books, including "Principles of Learning and Development" (1969),

and "The Psychology of Reading" (1975), of which she is co-author with Harry Levin, dean of the College of Arts and Sciences.

Lowi came to Cornell in 1972 after serving for seven years on the faculty of the University of Chicago. A political scientist, Lowi is the author of many books and articles, and has edited a number of anthologies. His books include "The End of Liberalism: Ideology, Policy and the Crisis of Public Authority," and "Incomplete Conquest: The 200-Year Experiment With Self-Government."

Mellor, a Cornell faculty member since 1953, specializes in economic development. He is on leave from Cornell until February, 1978, as Chief Economist in the State Department Agency for International Development in Washington, D.C.

Mellor has been an associate director and acting director of the Center for International Studies at Cornell. He is the author or co-author of seven books and a large number of scholarly articles on economic development, with special emphasis on the agricultural sector.

Business School Fills New Professorships

The Cornell Board of Trustees has named two new endowed professorships in the Graduate School of Business and Public Administration (B&PA) and elected the first incumbents to the chairs, effective July 1.

Thomas R. Dyckman was elected the Ann Whitney Olin Professor of Accounting, and Karl E. Weick was named the Nicholas H. Noyes Professor of Organizational Behavior.

The Ann Whitney Olin Professorship was named in memory of the wife of Trustee Emeritus Spencer T. Olin, a 1921 graduate of Cornell and a long-time benefactor of the University.

The Noyes chair is the second endowed chair in the business school named in honor of Nicholas H. Noyes, a 1906 graduate of Cornell, also a trustee emeritus and a benefactor of the University.

Noyes and Olin are both Presidential Councillors, an honor bestowed on the University's most outstanding alumni and supporters.

The new professorships were named and their incumbents elected by the Executive Committee of the board at its April meeting. The funding for the chairs was provided through a gift from an anonymous donor.

Dyckman received his Ph.D. from the University of Michigan in 1961. He served four years as an assistant professor at the University of California, Berkeley, before coming to Cornell as an associate professor in 1964.

He was elected to tenure in 1966 and was elected professor of accounting and quantitative analysis in 1968. He has been the coordinator of the Cornell Executive Development Program since 1970.

He teaches accounting, statistics and applied operations research.

Weick received his Ph.D. from Ohio State University in 1962.

He joined the faculty at Cornell University as professor of psychology and organizational behavior, with tenure, in 1972.

Postdoctoral Fellows To Teach at Cornell

Three postdoctoral teaching fellowships in the humanities at Cornell have been awarded for September 1977-79 under grants from the Andrew W. Mellon Foundation.

Harold Hodes, visiting instructor in philosophy and logic at the University of Michigan, Eva M. Kahiluoto Rudat, former assistant professor at the University of Colorado, and James Weinstein, a research associate in University of Pennsylvania's Museum Applied Science Center for Archaeology received grants each worth \$10,000 a year, requiring teaching and research within a department.

Hodes, who will receive the Ph.D. from Harvard University in June, specializes in logic, philosophy of mathematics and science, and philosophy of mind. He will teach two courses next year in the department of philosophy at Cornell, one on logic and the other on philosophy of mathematics.

Rudat received her Ph.D. from the University of California at Los Angeles in 18th- and 19th-century Peninsular Spanish Literature. She will teach courses in Hispanic studies and literary theory and aesthetics of the 18th century in Cornell's department of Romance studies.

Weinstein received his Ph.D. in Ancient Near Eastern archaeology and history from the University of

Pennsylvania. He will teach courses on biblical archaeology and the Eastern Mediterranean world in antiquity, which will be offered through the departments of Near Eastern studies, classics and the Archaeology Program.

These postdoctoral fellows join those who were awarded the two-year fellowships in 1976—Carol Appadurai Breckenridge in history, Tamar Frank in Near Eastern studies and Medieval studies, Eve Sedgwick in English, and Bell Yung in music and Asian studies.

Under a \$1,200,000 grant from the Mellon Foundation, the postdoctoral program, entering its third year at Cornell, is intended to increase opportunities for humanists. Grants to Cornell and to other major universities in the country were made in recognition of the fact that "special efforts are required if promising careers are not to be frustrated and the nation's academic resources seriously impaired as a result of the recent economic turnaround."

Those who received the first appointments at Cornell under the Mellon grant and are completing their fellowships at the end of the summer are Thomas Postlewait in English and theatre arts, Eleanor Stump in philosophy, and Anna Maria Kovacs in comparative literature. Kovacs will remain at Cornell next year as an assistant professor.

Tissue-Staining Expert To Visit Soviet Union

Robert F. Smith, director of biomedical communications at the New York State College of Veterinary Medicine, is one of four Americans selected by the U.S. Information Agency to participate in a four-day seminar on scientific and technical applications of photography at Novosibirsk, Soviet Union in June.

Smith has spent more than 30 years developing techniques for differential optical staining of living tissues for examination under the microscope. The techniques allow living cells to be stained to highlight their structures without creating "artifacts" — structures formed by the staining process.

Smith also will discuss how the

Society of Great Britain, a doctoral level degree awarded specifically for microscopy. It is held by fewer than 30 persons worldwide.

The author of more than 140 publications in his field, he filmed and edited portions of the ABC-TV special, "The Unseen World" and was called upon to examine the first moon rocks returned by the Apollo spacecraft under the microscope. A microscope image is recorded photographically using the "additive light system" he developed and other techniques. He also will discuss his work informally with Soviet scientists.

Smith was the first researcher in the United States to receive the diploma of the Royal Microscopical

\$8.6 Million

Medical College Receives Grant

A grant of \$8.6 million for a clinical research facility has been awarded to Cornell University Medical College (CUMC) by the Division of Research Resources of the National Institutes of Health.

The largest research grant ever made to CUMC, the five-year award will support the Clinical Research Center (CRC) at The New York Hospital-Cornell Medical Center (NYH-CMC). The CRC provides clinical investigators with an optimal facility for the performance of carefully controlled studies designed to advance the understanding and cure of human diseases.

A wide range of diseases are studied in patients, who have voluntarily agreed to participate in one of the specific and planned investigations conducted in the CRC in order to help medical scientists find new and improved methods of therapy to alleviate human illness. Ultimately, it is hoped that these clinical investigations into the origin and treatment of diseases, will help to lead to the prevention and a cure for some of the most baffling and inoperable maladies afflicting adults and children.

Patients cannot be admitted directly to the CRC at their own request. Each patient admitted is specifically chosen because of the part he can play in a particular, planned study that is being conducted in the CRC by a NYH-CRC physician. Patients who are admitted to the CRC for participation in a research study are not charged for any of the

costs of research tests or for their hospitalization. These costs are borne entirely by the National Institutes of Health and other research support programs.

Before a patient may take part in a research project, he must give his "informed consent." This means that a physician has explained the study to him, outlining any anticipated risk, stress or discomfort involved as well as the potential benefits, and that the patient has signed a document stating that he has a reasonable understanding of the procedure or treatment he is to undergo. If the patient is a minor, his parents must give their "informed consent." Parents are taken into partnership with the physicians and every step of each planned regimen is explained and discussed with them. One inviolable rule guides all studies conducted in the CRC: *the patient's welfare comes first.*



Graduate Students Share Goethe Prize

Three Cornell University graduate students, Michael W. Twomey, Valerie E. Rynne and Rudy S. Spraycar, will share the 1977 Goethe Prize.

The \$250 prize, endowed in 1935 by Ludwig Vogelstein, is awarded annually for the best essay or essays on Goethe or German literature. Competition is open to juniors, seniors and graduate students, and entries may be written in

German or English.

Twomey was awarded \$150 for a paper on Tristan; Rynne, \$100 for her paper on the 19th-century Austrian writer Adalbert Stifter and Spraycar \$75 for his paper on the Nibelungenlied.

Daniel Tooker, a senior in the College of Arts and Sciences, won the Simmons Award for the best work done in German. The award was founded in 1942 by Dr. Lucretia

V.T. Simmons. Tooker was awarded a \$25 certificate to be used for the purchase of books.

Shakespeare Prize

Michael C. Berthold, Arts and Sciences '77, has won first prize in the Barnes Shakespeare Essay competition for 1977. He was awarded \$200 for his essay, "Voices of

Secular Value: The Ghosts of 'Hamlet' and 'Richard III'."

The second prize, an award of \$100, went to Jill Campbell, Arts and Sciences '79, for her essay, "The Figure of Hymen in 'As You Like It'."

The Barnes Shakespeare Prizes, open to all Cornell undergraduates, have been awarded annually since 1887, when they were established by Mrs. Alfred Smith Barnes of Brooklyn. A committee of three Arts College faculty members selected the winners.

ually, and is open to all students registered with the University. A committee of three faculty members from the English and history departments selected the winners this year.

Streitwieser Wins Knoblauch Prize

Catherine Streitwieser, a senior in the College of Arts and Sciences, has won the Mary B. Knoblauch Prize for 1976-77 for a research paper entitled, "Organized Female Charity: 1797 to 1814."

The prize was founded in 1952 by George Garfunkel and Miss Elinor Byrns, as executors under the will of the donor, to provide an annual award for the best essay discussing the history or the problems, present and future, of the struggle for equal rights for women. This year's prize totaled \$75.

Coxe Prize

The George Harmon Coxe Prize of \$450, awarded this year for excellence in Creative Writing, has been won by James B. Hathaway '77 of Ithaca.

Hathaway, a poet and editor of "Rainy Day," majored in English in the College of Arts and Sciences. After graduation he plans to enroll in Cornell's MFA program in Creative Writing.

Chemistry Awards

Undergraduates Honored

Five Cornell undergraduates have received awards in recognition of their excellence in chemistry from the University's Department of Chemistry.

Theodore W. D'Ottavio of Port Chester, N.Y., was awarded the American Institute of Chemists Medal. The award is made annually to an outstanding graduating senior who has a "demonstrated record of

leadership, ability, character and scholastic achievement."

Glen I. Fishman, a junior from Huntington, N.Y., was awarded a Merck Index with his name imprinted in gold, an award given to an outstanding chemistry student annually by Merck & Co., Inc.

Michael H. Hecht, of New York City, was awarded a \$200 George

Caldwell Prize, made annually to a Cornell senior majoring in chemistry who has shown general excellence.

Phillip A. Hoffman, a junior from Flushing, N.Y., was awarded a 15-month subscription to the journal Analytical Chemistry. The award is made annually by the Division of Analytical Chemistry of the American Chemical Society to a third year student who has displayed "interest in and aptitude for a career in analytical chemistry." Recipients are chosen by the Department of Chemistry faculty.

Robert G. Holman of Tafton, Pa. was awarded the \$150 Harold Adlard Lovenberg Prize in recognition of his general academic excellence. The prize is awarded annually to a member of the junior class with a major in chemistry who has shown general excellence.

Tyler Prize

Jeffrey Bialos and Stacey Chanin, both seniors in the College of Arts and Sciences, will share the 1977 Moses Coit Tyler Prize for the best essays by graduate or undergraduate students in the fields of American history, literature or folklore.

Bialos won for his "The Crumbling Monolith," a study of Cold War politics in the middle '50s. Chanin won for her essay, "Luftmensch in the Novels of Saul Bellow." "Luftmensch" is German for "air men," and connotes a type of character encountered in literature. Bialos and Chanin each received \$175.

The Tyler prize was founded in 1936 by the late Willard Austen in honor of Cornell professor Moses Coit Tyler. The award is made an-

Outstanding Junior Gets Engineers' Prize

The Outstanding Junior Award of the Society of Women Engineers (SWE) has been awarded to Elaine Zajac, Chemical Engineering '78. The award, a gift of \$100, is provided from an annual grant from the Linde Division of Union Carbide to the Cornell Chapter of the SWE.

The award is made to a junior woman on the basis of academic

achievement, extra-curricular activities on campus and a significant involvement in the society.

Zajac is also a participant in the Engineering cooperative program and worked last fall semester for the Badger Co. in Cambridge, Mass., where she will be working this summer.

Summer at Cornell

Conferences Fill Schedule

Summertime on campus is by no means a quiet season. Besides summer school programs and special alumni activities, the campus is gearing up for a summer of conferences, ranging from a conference on child abuse to a Unitarian assembly, expected to attract some 2,000 persons.

Kristine Molt, conference coordinator, said the number of conferences at Cornell has been steadily increasing from seven conferences in 1972 to 34 in 1976. Forty-seven conferences are planned for this summer.

She estimated that conference activity during the summer months generates about \$250,000 in income for the University.

One of the selling points Molt uses in promoting Cornell as a conference center is its attractive, rural setting miles away from the hustle and bustle of city life.

"Many people come with their families and are interested in camping. The Ithaca area boasts three state parks, two city parks and loads of opportunities for boating, fishing and hiking," she said.

Cornell's top-notch library system and variety of classroom space also increase its attractiveness as a conference center. The only drawback of Cornell, according to Molt, is its inaccessibility.

"The air service just doesn't approach that of Chicago or New York, and we're quite a ways off the New York State Thruway," she said.

Molt said the majority of conferences are organized by academic societies such as the Northeast Society of Agricultural Economists and International Astronomical Union.

Other types of conferences include those that are run as special continuing education seminars for professionals such as tax assessors or insurance agents who are learning new regulations or need to be certified for new programs; youth groups such as 4-H, YMCA, Boy Scouts, and church groups.

Conferences vary greatly in size, but the biggest gathering (and the one that kept Molt the busiest) was the Drum Corps International conference in 1974, which attracted some 10,000 people, about 2,800 of whom were housed in dormitory facilities.

The use of dormitory space during the summer months is beneficial to the University, according to Molt. "The year-round use of dormitory and dining facilities is a very effective way of offsetting the fixed costs of buildings that would be otherwise dormant in the summer. Plus, conference activity provides continued employment for custodians, dining

and housing staff personnel who might otherwise be laid off."

While the visibility of the Office of the Conference Coordinator has improved over the years, Molt said some people still don't register through her office.

Molt also recommended that conferences, especially large ones, be planned and booked well in advance, adding that five conferences already are scheduled for 1978 and one for 1981.

Cornell Among Top Schools

Cornell has been ranked among the top ten private graduate schools in the nation in law, business and education.

The evaluation published in the February issue of Change magazine is an update of a 13-year-old report by the late Allan Cartter of the University of California at Berkeley.

Among private schools, Cornell Law School ranked seven and the University's School of Education and Graduate School of Business and Public Administration (B&PA) both ranked eight. The rankings were based on a survey of the deans of such schools throughout the nation.

Jacksonville Festival Honors Cornell Film

"Two Ball Games," a film made by Cornell University Psychology Department Filmmaker David Gluck, was awarded first prize at the Jacksonville (Fla.) Film Festival in April.

The film, produced by Edward C. Devereaux, professor of human development and family studies at Cornell, and based on his research, contrasts a casual backyard baseball game with a little league game. "Two Ball Games" compares all

aspects of the games, from choosing teams to the intensity of play to the feeling of victory, by interweaving footage of the backyard and little league games. James B. Maas, professor of psychology, was executive producer of the film.

"Two Ball Games" was broadcast over the Public Broadcasting System (PBS) television network in January, and is a finalist in the American Film Festival. The film was completed in early 1976.

Nutritionist Receives Feed Research Award

Robert J. Young, chairman of the Department of Animal Science at the State College of Agriculture and Life Sciences, has received the Distinguished Nutritionist Award from the Distillers' Feed Research Council.

A plaque was presented to him at the Council's recent meeting in Cincinnati, Ohio, "for outstanding performance in nutrition research, feed

utilization and service to the feed industry for the benefit of mankind."

Young's research has included studies of fat absorption and metabolism of fatty acids fed in a carbohydrate-free diet, the unidentified growth factor requirements of turkey poults and quail, mineral metabolism, and the nonessential amino acids in low-protein diets.

Veenema Overcomes Broken Neck

Courage Creates Career

It's a tricky route from lying in traction in a hospital bed to being one of college baseball's leading hitters, but Cornell second baseman Ken Veenema of Glen Rock, N.J., has travelled the road with relative ease.

Veenema, a senior who was hitting .423 for Coach Ted Thoren after 22 games, thought his athletic career had come to a painful halt in the fall of 1971. As a junior at Glen Rock High School, Veenema suffered a broken neck playing cornerback in football.

His diving tackle attempt resulted in a fracture of the fifth and sixth cervical vertebrae and put him in traction at New York's Columbia Presbyterian Hospital for three and one half months.

"The doctors were hoping for a fusion of the broken bones," Veenema recalled, "but it didn't work. So they wound up taking bone slivers from my hip and placing them in my back." The operation was successful, but Veenema spent six more weeks in the hospital.

By the time he was up and round again, it was time for the baseball season. So what does a guy who's spent five months in a hospital with a broken neck do? He goes out and plays second base for Glen Rock High!

"The coach and the guys on the team were kind of 'careful' with me at first," Veenema said, "but after a while they realized I was fine...and guys from other teams were taking me out on the double play!"

The gutty infielder claims he's had no problems with his back since the operation and doesn't think about it at all. The only visible evidence of his near tragedy is a six-inch scar on the right side of his neck, which some of his youthful Ithaca admirers think makes him look "tough."

They have plenty more to admire about the 6-1, 180-pounder. He not only hits for an average that should place him among the top 15 in the country by season's end, but hits with power — and in the right spots. During the first 19 games in which he'd appeared, Veenema had six doubles, three triples, three home runs and 22 runs batted in.

Naturally, the big league scouts have taken notice. "One scout told me that 21 teams showed an interest in me when my name first appeared on the draft list," Veenema said.

Pro baseball may have competition for Veenema's future. He's been admitted to Columbia Medical School and said he'd have to weigh a baseball offer against medical school.

"But I'm pretty sure that if I get the shot, I'll take it," Veenema said with little hesitation. "It would be hard to turn down baseball when you've grown up wanting to get the chance."



Ken Veenema

Cornell, Veenema hit only .212, but showed signs of things to come by cracking six doubles and two homers among his 18 hits. Last year, as a junior, he led the team with a .372 average. His .459 average in the Eastern Intercollegiate Baseball League (EIBL) was second best and got him All-League second team honors.

He topped Cornell in hits (45) and RBI's (25), and tied for the lead in doubles (10), triples (3) and homers (2).

Veenema credits former Cornell assistant coach Fred Hoge with his batting "loosification." "He got me to relax more, swing freely and be more aggressive at the plate," Veenema said. "Also, I've learned the strike zone better and become more disciplined."

However, Veenema thinks that learning to hit the curve and slider

has been the biggest factor in his upsurge.

"It doesn't take pitchers long to learn you can hit the fastball. Then you have to learn to hit the breaking ball. It's not that hard because that's just about all you see."

He saw plenty of good pitching last summer in the Atlantic Collegiate Baseball League where he was the All-Star second baseman. During the regular season he figures he sees only "one or two" good pitchers a week.

A combination of educational opportunities, Cornell's schedule, and spring trips which have taken him to California, Florida and Texas brought Veenema to Big Red country.

Veenema's father, Ralph, a doctor and professor of urology at Columbia, owns a beef farm in Deposit, N.Y., and that's where Ken has spent most of his summers. "I was thinking about veterinary medicine or farm management when I came to Cornell," Veenema said.

As a pre-vet student in the New York State College of Agriculture and Life Sciences at Cornell, Veenema gained the nickname "Bo-veen" from his teammates.

"It's kind of funny now to think of the three very different directions my life could take — baseball, medicine or farming," the son of Dr. Ralph and Henis Veenema of 76 Concord Ave., Glen Rock, said.

Regardless of the career he chooses, it'll demand more than a little courage. And that's one thing Ken Veenema has proven he has.

Survey Reveals Interest in Sports

The majority of Cornell women and about a quarter of Cornell men questioned in a recent survey said they did not participate in organized sports at the University, but most indicated that they were interested in sports at the intercollegiate, intramural and club level.

The survey was conducted by Campoll, a campus polling organization, on behalf of the Title IX Subcommittee of the Provost's Advisory Committee on the Status of Women (PAC) in an attempt to determine the interests of men and women students in Cornell athletic programs.

Athletics is one of the most difficult areas to bring into compliance with Title IX of the federal Education Act Amendments of 1972 (which require that discrimination and under-utilization of educational facilities by either sex be eliminated) because of the traditional emphasis on men's sports at most colleges and universities, according to William D. Jones, Title IX coordinator.

An acceptable program should meet the athletic interests and abilities of both men and women students to the same degree, but it need not necessarily require the same kinds of teams or the same amount of expenditures for both sexes, he added.

The survey showed that 34 per cent of the women and 59 per cent of the men had participated in varsity sports in high school. At Cornell the percentage of men and women participating in intercollegiate sports was roughly similar (15 per cent of

the men and 11 per cent of the women.)

Most of the men (52 per cent) who played varsity sports in high school seemed to participate in intramural sports at Cornell, but only 26 per cent of the women participated in intramurals. The percentage of women who played in no organized sports increased from 40 per cent of the high school women to 53 per cent of the college women. For men the percentages remained almost constant between high school and college (22 per cent compared to 23 per cent).

Most of those who did not participate in sports at Cornell said they were too busy with academic studies. Twenty per cent of both the men and women said they did not have the skills to participate in intercollegiate sports, but the percentage citing lack of skills dropped to about four per cent for both men and women who did not participate in intramural or club sports.

Lack of information about club sports at Cornell was cited as a reason for not participating by 13 per cent of the women and 15 per cent of the men.

The survey data will be analyzed during the summer, and a complete report on student interest in athletics at Cornell will be available in the fall, Jones said.

The more complete analysis of the data will include evaluations of individual sports and comparisons between freshman respondents and upper class members in an attempt to identify trends among younger students.

The survey was designed to reflect the suggestions of the U.S. Department of Health, Education and Welfare, which has responsibility for ensuring that the provisions of Title IX in the area of post-secondary athletics are met by July 21, 1978.

Team Captains Elected

Co-captains of the 1977 Cornell University women's varsity crew and sailing teams and the men's varsity golf team have been elected, according to the department of physical education and athletics.

Lydia Grypma, Agriculture '77 of Hastings-on-Hudson and Gwen Pospisil, Arts and Sciences '77, of Huntington Station, were elected co-captains of women's crew, while Jane Lowell, Engineering '79 of South Orange, N.J., and Toby Nagle, Arts and Sciences '79, Marblehead, Mass., were elected to similar responsibilities with the sailing team.

Robert Wight, Operations Research and Industrial Engineering '77 of Bemus Point, N.Y., and Tom Johnson, Engineering '78, of Canby, Minn., were named co-captains of the varsity golf team. Both have been team co-captains for the past two seasons.

Athletic Ticket Plan Revised

Continued from Page 1

you add up the costs of season tickets for each of the five income producing sports, they would total \$93. Under the half-price plan, a student gets tickets to all home events in each of these five sports for \$56.50. Faculty and staff pay \$61.50, while the general public and alumni pay \$66.50 which represents a savings for everyone. All of this, of course, includes the cost of the card itself."

Schultz further indicated that admission to all other sporting events, except lightweight football, polo and men's gymnastics where the sport must generate income to remain active, will be free of charge with or without the half price card. This will include 16 women's varsity sports and men's indoor and outdoor dual track meets, swimming, wrestling, fencing and baseball.

Last year students had to purchase a coupon book for \$25 to see football. This year, they will pay \$10 for the book and \$12.50 for the tickets for a total of \$22.50. For hockey, the students had to buy the coupon book in order to buy a hockey season ticket. If they were interested in hockey only, the cost

would have been \$40. This year, they will pay \$10 for the card and \$15 for the hockey season ticket. The overall football-hockey cost for the student is now \$37.50, or a savings of \$2.50 over last year.

Faculty and staff will pay \$42.50 for the two sports with the half-price card for a saving of \$6.50 over last year. For the general public the savings over last year is \$1.50.

Schultz added that people also will be able to purchase season tickets for football, soccer, basketball, hockey and lacrosse without the half-price card and half-price card holders do not have to purchase season tickets, but could select particular events and get the tickets half-price.

For the seasonal ticket holder, however, there will be added benefits this year, such as the same seat for each home football game, and an opportunity to purchase the same hockey seat for the ECAC playoff game. Next year, all season ticket holders will have the option of buying the same seat they had this season.

"Looking at the new plan from the administrative point of view, we will now be able to identify true income for all sports," Schultz added.

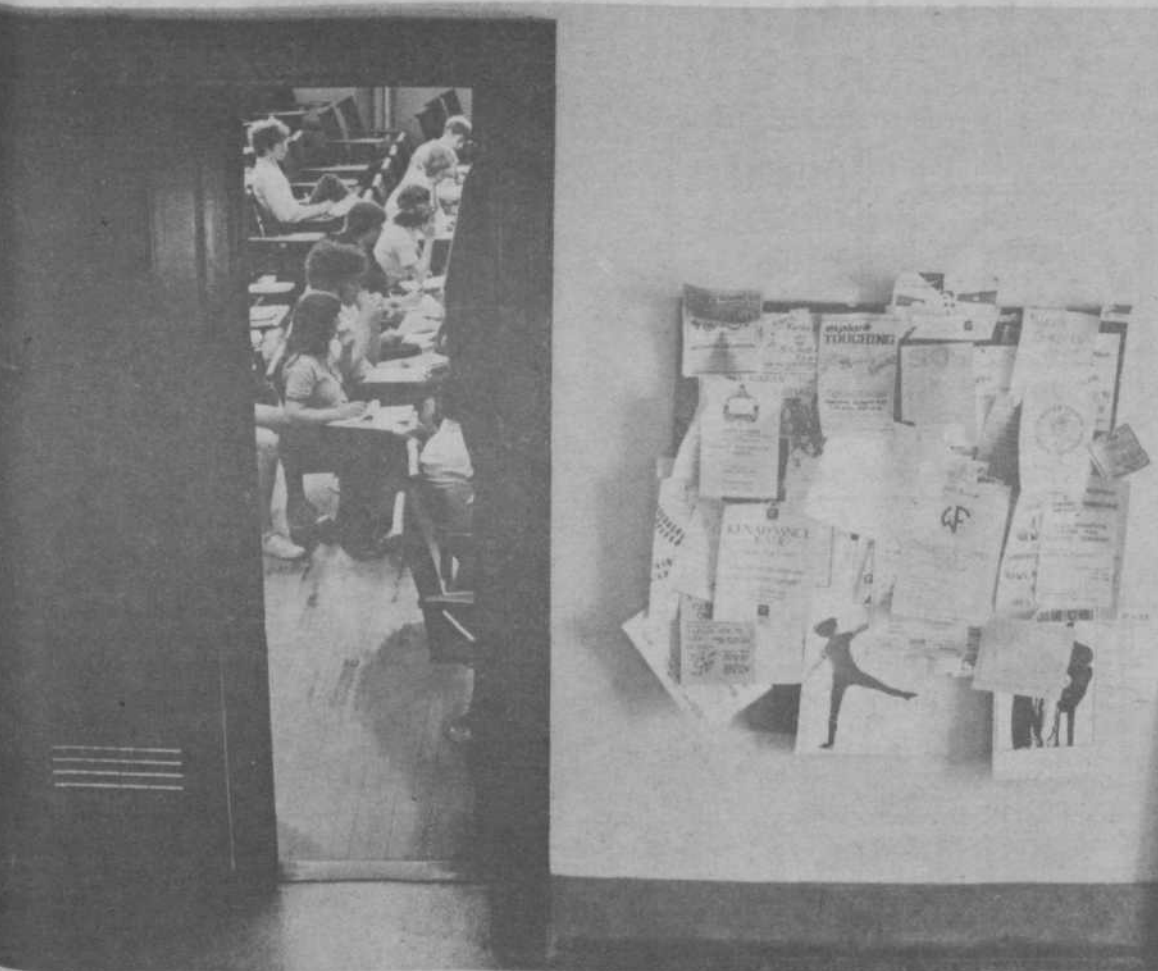
"Before we had to give 30 per cent of the income from the sale of a \$25 coupon book to visiting football teams, whether the book was used for football or not. Now the purchase is directly with each sport.

"We also had some abuses with the old book," Schultz said. "All a person had to do was to show his coupon book at a basketball, soccer or lacrosse game to get in. Sometimes 10 or more people would come in and show their books. Then one person would take all the books, leave and bring in a new group of people, since all they had to do was show the book. That problem will be eliminated this year."

Schultz spent a great deal of time meeting with a special committee of faculty, staff and students on the changeover and reported that the reactions of these people and their colleagues to the new plan was very positive.

"Once again, we have to emphasize that in most cases, people will save money over what they spent last year," he said. "And when you look at the total package price of all events, with and without the half-price card you can get an idea of how much someone can save."

A Peek at the Past



National Consortium for Minorities

Aid Plan Opens Doors

"I wouldn't have been able to go to graduate school if it weren't for the National Consortium for Graduate Degrees for Minorities in Engineering," said Alejandro Rodriguez, a graduate student in civil engineering at Cornell.

"I was accepted at five other universities, but none offered such a good financial aid program," he added.

"One of the requirements of the program is that you spend the summer working in a participating

research laboratory," continued Gabino Valentin, a consortium graduate student in Cornell's School of Electrical Engineering.

"I spent two months last summer working in the computer technology department of Bell Laboratories, and it really helped to get industrial experience," he said.

Rodriguez, a native of Puerto Rico, and Valentin of Bronx, N.Y., are the first two students to participate in the consortium program at Cornell. Valentin, who will earn his master's degree at the end of this semester, is the first student nationally to earn a degree under the program. Rodriguez plans to complete his degree requirements next year.

Established last year by 19 leading engineering colleges and nine industrial and government laboratories, the National Consortium has as its goal increasing by 100 the annual number of minority students receiving master's degrees in engineering.

The program is funded, in part, through a \$450,000 grant from the Alfred P. Sloan foundation and is administered through the University of Notre Dame.

Each student participating in the program receives a \$3,000 stipend plus tuition assistance and paid summer employment at a research laboratory, making it unnecessary for participants to hold down other jobs that might interfere with their studies.

"The financial aid allowed me to devote more time to my studies," Valentin said. "I probably would have still finished this semester, but it would have been a lot harder."

torn apart by both armies almost daily during the war.

Much of Davis' research was done during the Vietnam War and she was struck by the similarities between that war and the battles going on during the Revolution in Westchester County.

"Both were civilian wars in that more civilians than soldiers died. Soldiers from both sides destroyed villages and separated families," she said.

The book, which is Davis' first and Mildred Davis' 13th, is about one family, the Bedhams, and how the war affected their lives. While the family is fictional, Davis said it was not accidental that the heroine of the novel is a 16-year-old girl named Cassie. "It was easier for me to express my own feelings through the thoughts and actions of a young girl than those of a grown man."

Davis, who has been writing since she was five, is working on a second book about the experiences of a student in law school.

She will be working for a New York City law firm in November, but hopes to continue writing.

Law Student Writes Novel on Hometown

To Katherine Ann Davis, a third-year law student at Cornell, writing a romantic novel on the history of the American Revolution set in her hometown of Bedford, N.Y., seemed to be a logical way of documenting the years of research she had done on the subject.

Her curiosity was aroused as the result of working several summers for the historical society in the Westchester County town. Her interest started to unfold on paper when she chose to write her undergraduate thesis on the subject while at Williams College in Williamstown, Mass.

Three years and several drafts later, Davis, along with her mother, Mildred Davis, revised the 600-page document into a historical novel entitled "Lucifer Land," recently published by Random House.

The novel is set in Bedford during the Revolution and concerns the agony of Westchester County — a no-man's land squeezed between the two enemies, according to the author. With the British operating out of New York City and the Americans out of Peekskill, Westchester was raided, looted and

Students Find Jobs As Summer Interns

The summer break can mean more to undergraduates than just another job waiting table or counseling. Thanks to the Cornell Internship Program (CIP) it meant interesting jobs in both the public and private sectors for 160 students.

The CIP was organized three years ago when a few students decided that employers were not sufficiently aware of the potential benefits of hiring college students. By forming a national network of Cornell alumni who were already established successfully in business and government and who helped create jobs in their respective regions, the CIP was able to place students in varied internships last year, including work in congressmen's offices in Washington, D.C., positions in local government offices, public relations jobs, and work in scientific labs.

This summer, the program expects to place about 300 students, according to Elizabeth Kutscher, Arts and Sciences '79, educational director for the CIP office in the Career Center, 14 East Ave.

"Many students erroneously assume their obligation to earn money during the summer rules out the possibility of participating in an internship. But many of the internships are salaried and at the same time serve as preparation for a future career," Kutscher said.

Alumni regional representatives contact employers and serve as vouchers for the CIP program. Prospective employers are urged to question the alumni if they have doubts about CIP's validity as a responsible organization. The increasing status of CIP among

employers has caused it to broaden in scope both geographically and occupationally.

Kutscher said that while many of the jobs are centered in the Northeast, several opportunities are beginning to turn up in the Midwest and on the West coast.

The CIP program is mainly concerned with matching employers' needs to employees' skills and qualifications and insuring the reliability of the selected student. Employers send in job description forms to the Cornell office and these are categorized by region and occupation as an aid to students seeking employment.

The CIP screens students, assists in writing resumes and cover letters, and will attest to a candidate's qualifications with its own letter to the employer.

The program benefits the employer and alumni, as well as the students, according to Kutscher who said, "By uniting Cornellians of different generations and backgrounds, CIP is a cohesive force in the Cornell community. At the same time, it brings the textbook out of the classroom and into the real world. Students learn practical aspects otherwise unavailable before graduation and the employers may become aware of new trends in their respective fields."

The program, which is entirely run by students, is funded by the Undergraduate Student Finance Commission and open to the Cornell community. In addition, any students wishing to work for CIP, particularly in helping to develop new job opportunities, should stop by the Career Center.

Big Red Ball Team Wins Eastern Title

Early on this year, the Cornell University baseball team was rated a darkhorse contender for the Eastern Intercollegiate League title.

Tuesday night at Oneonta, the Big Red came all the way out of the shadows for a 4-0 victory over Columbia to win the Eastern title since it last had undisputed possession of it in 1940. It last had a share of the crown in 1952, when it divided with Brown.

Gary Gronowski, senior right-hander and ace of the Cornell staff, shut out the Lions on 7 hits and recorded 11 strikeouts. The Red had shared the lead with Columbia before the playoff game, and had lost to the Lions earlier in the year by 7-2.

In winning, Cornell beat Rolando Acosta, rated as Columbia's best and one of the best in the east.

The Red goes on now to the six-team NCAA Northeast Regional playoffs, May 26-29 in Middletown, Conn.

Cornell has posted a season record of 27-13 to date, and was 21-5 after its tour of Texas last March and April. The 27 wins broke the old mark of 22.

The Red's success this year was due in large part to senior leadership, a fine hitting attack and the tough 1-2 pitching combination of Gronowski and Bob Dutkowski. Cornell had a team batting average of .288, sparked by second baseman Ken Veenema at .386, followed by center fielder Dave Johnson at .360, catcher Joe Roche (.333) and first baseman Gary Kaczor (.321).

Gronowski won nine games this year and lost but two, while showing an impressive earned run average of 2.36 before Tuesday's game. Dutkowski was 7-3. Other key help was provided by Mike Murphy (5-3) and Tony Crump (3-2).

Beyond statistics, though, the one major hallmark of Ted Thoren's '77 club was its ability to come from behind and win the big games. Five times this year it rallied to win Eastern League contests. "This team has a heart," Thoren said. "They earned every one of the 27 wins."



Campus Parking: 'We're in It Together'

This was one of several slogans suggested at a recent meeting at the Traffic Bureau, which is attempting to alert the Cornell community to some of the on-campus parking problems and, at the same time, encourage better relations with faculty, students and visitors.

And when it comes to cars and parking — or the lack of parking — which, as Bill Richards, manager of the Traffic Bureau, points out is more frequently the case, you're dealing with a touchy subject.

Richards understands the frustration of faculty, students, employees, or off-campus visitors who search in vain for a legal parking space and then, having no other choice, park illegally. He admits that the shortage of parking spaces on campus is a serious problem, but notes that there are no immediate University plans or funds for additional interior parking lots or garages. Thus, other measures are being taken to alleviate parking difficulties, according to Richards:

"For starters, I'm working on a parking program based on the needs of persons in different buildings on campus. And I feel this system can work well." Hanging on the wall in Richards' office is a large map of the campus divided into several sections and color-coded according to the nature of events most frequently occurring in each section.

"For instance, in one area of campus there may be frequent conferences or public events, thus attracting a large number of off-campus visitors who need anywhere from one- to three-hour parking," he explains.

"Job interviewing is a major activity, attracting visitors who need about two- to four-hour parking. This can be found in the southwest parking lot which has four-hour meters and is within walking distance of the Personnel Office in Ives Hall," Richards continues.

Then there are sections labeled as "high turnover" areas where the main need is for short-term parking: "The area around Willard Straight and the Campus Book Store is incredibly busy. There it's mostly people who run in for something — like cashing a check at the Union desk or buying an item at the store — and run out."

Richards emphasizes that special parking permits are available to fulfill a variety of needs not satisfied by the normal faculty, staff and student permits.

A major function of the Traffic Bureau is selling parking permits which allows holders to park in certain areas. Parking for faculty and staff ranges from peripheral (AB) to unrestricted interior (U). AB permits are free; U permits cost \$108. Four types of parking permits are available to students and cost up to \$40.50 for the dormitory permit, and in the case of a second car for married student housing permits — \$54.

A major difficulty, according to Richards, is trying to make people aware that a parking permit does not guarantee the holder a reserved space. "A parking permit is really a

hunting license. It guarantees the holder the opportunity to hunt for a legal parking space in a specific area, if space is available," he explains.

Realizing that the Traffic Bureau by itself cannot solve all the parking problems, Richards stresses the need for co-operation. "We can't do the job alone; we need everyone's help and co-operation. If everyone would start realizing we're all in this together, I think many of the difficulties could be worked out."

But, try to tell that to the student who has to park somewhere — quick — in order to get a paper in, which was due about five minutes ago. Or to the faculty member whose lecture begins at ten o'clock and it's 9:55. Or to the avid hockey fan who would park his car *anywhere* rather than miss the beginning of the game.

Or try to explain to the distinguished professor from Colorado who has driven thousands of miles to attend a special conference that he can't park in the UI lot because he has no conference permit. Then you begin to understand the nature of the problems each of the nine full-time traffic officers face daily. And the job of an officer is often a thankless one, according to Richards:

The uniform of a traffic officer becomes a stigma and so often many forget there are real people under those uniforms."

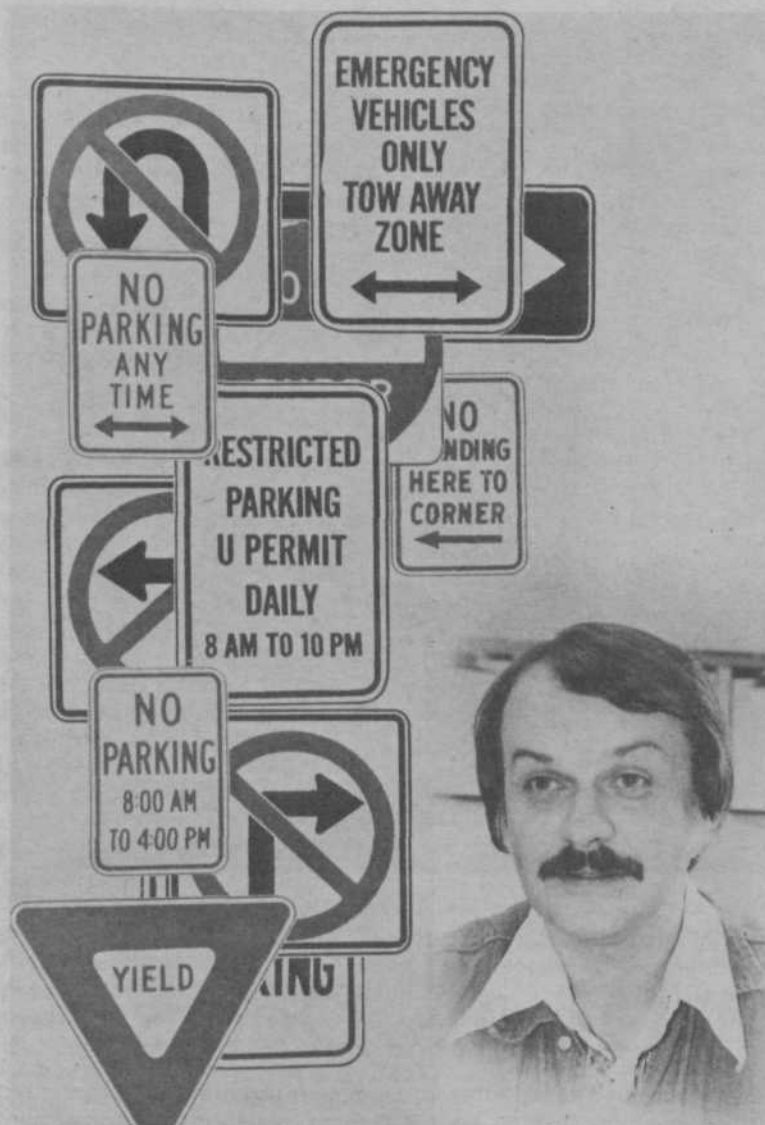
Richards points out that several problems could be easily resolved if better communications were established between the Traffic Bureau and other departments. For instance, if a department is scheduling a conference, the conference coordinator, Kristine Molt, should be contacted in advance. This enables the Traffic Bureau to take appropriate action to accommodate parking needs.

Individuals with special requests, needs for variances, or any questions should speak with the bureau's appeals officer, Richard Mooney.

The largest and most comprehensive regional collection of bird songs in the world—the birds of northern South America—has been added to the Library of Natural Sounds at the Cornell University Laboratory of Ornithology.

The collection is the work of Paul Schwartz, a mechanical engineer turned ornithologist, who has spent the years since World War II studying and recording neotropical birds. He currently is an ornithologist with the Centro Nacional de Investigaciones de Fauna Silvestre based at the Rancho Grande Field Station near Maracay, Venezuela.

The Schwartz collection was recorded in December by James Gullledge, director of the University's Library of Natural Sounds, and Andrea Priori, sound technician, at the Venezuelan field station where Schwartz's original recordings are



Bill Richards, manager of the campus Traffic Bureau.

Mooney is considered the expert when it comes to handling complaints. "He really is competent in the whole area of traffic control, since he's worked both in the field as a traffic officer and now in the office as an administrator," explains Richards.

Mooney is quick to point out the many misconceptions people have

regarding campus traffic and parking regulations. "Just about everybody on campus has a different opinion of who we are, what we do, what the rules are or how much you can 'get away with.' And, unfortunately, people rely on each other for their information, instead of coming to the source of their problem, which is right here," says Mooney.

Richards agrees and wishes more people understood the importance of registering their car. "Many people see registration as a threat. They feel that if they've accumulated a bundle of tickets, their chances of getting 'caught' are less without registration. That simply isn't true," he explains.

But, aside from that, there are several advantages to car registration. "For instance, if a car is illegally parked during the day, we often track down the owner on campus registration information such as name and department are available. We're willing to take an extra 20 minutes to search somebody out rather than write a ticket or tow a car," Richards says.

Contrary to popular belief, the Traffic Bureau does not receive a portion of fines collected. All monies go to the University's general fund.

Richards is quite serious in his plea for co-operation from members of the Cornell community and encourages faculty and students to stop by or call the bureau, located at 115 Wait Ave. (256-4600) between the hours of 8 a.m. and 5 p.m., if they have any questions, complaints or special requests.

"We're planning to send out a questionnaire to find out what we can do differently to help people with problems. Perhaps longer office hours or a more accessible location would improve communications and service," Richards concludes.

**Campus
Emergency?
New Number
About June 15
At Public Safety:
256-1111**

South American Bird Songs Added

The project created a much needed "safety copy" of the irreplaceable tapes and also made access to the collection easier for biologists outside Venezuela.

"One of the outstanding features of the Schwartz collection is the careful and complete documentation of each recording," Gullledge said. Extensive verbal notes about species behavior and location are included on the tapes, and additional information is written on editing sheets.

The recordings are usually lengthy and include several individuals of each species—often from different localities—to provide a comprehensive sample of the species' song.

Gullledge and Priori, who had only two weeks to complete the recording job, used six portable Nagra tape recorders—three for playing the original tapes and three

for recording them—and ran them simultaneously for 14 to 16 hours each day.

Because the field station depends on a sometimes unreliable diesel generator for its electricity, the Cornellians brought along their own heavy-duty power supply. Using two car batteries linked in series and a distribution box and cables designed by David Wickstrom of Ithaca, all six recorders could be run at once. A spare battery was rotated between the system and a battery charging unit at regular intervals, providing an almost continuous source of power.

Gullledge and Priori took back to the Laboratory of Ornithology 400 7-inch reels of magnetic tape—enough to stretch 136 miles. At the speed recorded, it would take 300 hours to play it all. Included in the collection are the songs of nearly 700 species of Venezuelan and Brazilian birds.

Schwartz, who is interested in the distribution and scientific classification of neotropical birds as well as the role of song in the biology of each species, has used his recordings to clarify the relationships of two forest falcons, Amazonia and the relationship of the groove-billed toucanet to the yellow-billed toucanet. The collection also was used as a source material for Jurgen Haffer's book "Avian Speciation in Tropical South America."

The collection, as well as more than 30,000 other recordings in the Library of Natural Sounds, is available to biologists and others doing research on natural sound. Arrangements for using the library can be made through Gullledge, Laboratory of Ornithology, 159 Sucker Woods Road.

Tennis Elbow Prevention Prescribed

"Fifty per cent of the more than 34,000,000 weekend tennis players in the U.S. either now suffer from tennis elbow or will acquire this painful ailment unless they take preventive measures," according to Willibald Nagler, MD., physiatrist-in-chief, department of rehabilitation medicine, The New York Hospital-Cornell Medical Center, and associate professor of medicine, Cornell University Medical College. Tennis elbow is characterized by pain at the attachment of the tendons of the muscles which move

the wrists. This attachment is in the area of the elbow but not in the joint itself. Pain is caused by irritation due to repetitive motions leading to mechanical stress. Tennis elbow can also occur in persons whose occupations require motion of the forearm resembling the gripping of a tennis racket as is the case with workers on an assembly line. Golfers can also have tennis elbow, but they develop it in the non-leading hand.

While Dr. Nagler, who over a five-year period treated more than 100 patients with tennis elbow, found

that quite effective results could be achieved through medical therapy, he emphasized that prevention is the best cure. Dr. Nagler contends that "it is not the game itself which causes tennis elbow, but that the players who suffer from this malady need some adjustment and refinement of their strokes as well as the development of their muscle strength." He urges weekend tennis players not to "go it alone" but to "professionalize" their playing by taking lessons from the pros. "Pros," he said, "rarely get tennis elbow, yet

they expose their elbows to much more frequent and more severe stress than amateurs."

Effective measures prescribed by Dr. Nagler to prevent the recurrence of tennis elbow in his patients include:

(1) An exercise program based on physiological principles to increase the strength of the wrist extensor muscles, wrist flexor muscles, and rotators of the forearm.

(2) Train for a proper tennis stroke. A knowledgeable coach is very important to achieve a good stroke.

(3) Train for a two-handed backhand stroke. Tennis elbow sufferers are very rare among players who use such a stroke.

(4) Play on soft surfaces to diminish the force of the impact of the ball on the racket.

(5) Use lighter balls. The impact of the ball on the racket increases with weight. The average ball speed of a serve is 80 to 100 miles per hour.

(6) Do not meet the force of the ball in the backhand stroke with sudden elbow and wrist extension but rather with external rotation of the shoulder.

(7) Change to a flexible steel racket with a gut or nylon stringing showing displacement at 52 to 60 pounds. The steel racket dampens the sudden impact on the wrist extensor muscles by its trampolining effect.

(8) Try to meet the oncoming ball with the center of the racket, the so-called "sweet spot." Balls which meet the racket off center cause increased muscular stress since the supinators have to contract to counter the torque.

(9) Use a larger-sized grip and a lighter racket. The grip should be as large as the player can use to grip the handle securely.

(10) Use an elbow band to distribute the stress on the extensor muscles.

(11) Avoid playing at the net as much as possible.

(12) Avoid too many top spin forehands.

(13) Do not use a "wrist curl" or "wrist roll" on your backhand; it increases the activity of the extensor muscles.



Strain gives pain.

Woman Stars in Two Sports

The multi-sport athlete is a rare breed, but some sports are similar enough, and some athletes talented enough, that they can star in both.

Recent examples at Cornell are lacrosse-soccer stars Bruce Arena and Dan Mackesey.

But there is a freshman at Cornell who goes them one better, starring in two sports during the same season.

Ithacan Sue Cosentini is a stalwart on two of Cornell's more successful winter teams — the 16-1 hockey team, and the 7-1 swimming team.

Her finest weekend of the season came Feb. 4 and 5. On Friday night she traveled with the hockey team to Princeton, where her hat trick led Red over the Tigers, 8-2. After a late night bus ride back to Ithaca, she won four races to lead the swimmers to a 71-60 victory over the four-time defending state champions Ithaca College.

Right after that meet, she headed to Lynah Rink for a hockey game. Cornell played one of its best games of the season, but lost to defending national champion Assabet Valley, 8-3. A tired Cosentini contributed a pair of assists.

For the season, "Cos" is the fourth-leading scorer for the hockey team with 15 goals, 11 assists and 26 points and one of the top three point scorers for the swimming team. In seven meets, she has 20 points.

Other athletes have competed in two sports in one season in recent years, but they are usually soccer



Sue Cosentini

players who kick for the football team. Bill Murray '73 was the last to do that for Cornell, and he also played hockey. But while kicking a football and booting a soccer ball aren't that much different, hockey and swimming are two sports that are constantly in conflict.

Swimming requires long, loose muscles, while the muscles have to be tight for skating and playing hockey. With Cosentini's schedule of hockey practice at 7:30 a.m. or 7 p.m. and swimming practice at 4:30 or 5:30 p.m., there were plenty of days when she was sore.

"A lot of times in practice I'd be dragging on the ice because my legs were aching," she said.

So the season has taken its toll, and as it has worn on both sports have suffered.

"If you consider them separately, I haven't done as well as I could have been doing. When I have to miss a practice, it's usually swimming, because they're more flexible, and I'm a sprinter, so I don't have to do a lot of endurance work. This year I tighten up more easily during the races, maybe because hockey tightens the muscles," she said.

In hockey, besides just being tired from swimming, her point total has probably suffered because of her way of deciding which team to compete with when they conflict.

"I usually make the decision according to who needed me the most," she explained.

For example, "Cos" passed up an easy Ivy League hockey tournament, which Cornell won for the second straight year, and went with the swim team to the state tournament. Cornell was second in the state last year, and might have challenged, but the team was depleted and hurting after its bus crash the previous week.

But the sports aren't the only things suffering.

"There's a lot of booking that I should be doing that I'm not," admits Cosentini, who is taking the very competitive pre-veterinary courses at Cornell. "If I had more time to study I'd probably do a little better. I wouldn't quit both because having a sport helps more than it hinders — I budget my time better, and it's also an outlet from the school work. There's no way I'm going to go to school without a sport. I wouldn't know what to do with myself."

She isn't sure how she'll finally decide, when she'll decide, or which sport she'll decide to drop.

"(Hockey coach) Bill (Duthie) thinks I should pick one," she said. "He's pretty sure I'd take hockey, but I'm not sure. I wouldn't want to give up swimming because it's so good for you. Also, you don't have to think, you can just get in the water and swim."

The decision will be difficult, but it's one she wants to make.

"Two sports at once isn't such a good idea. Everything is left lacking and that's an uncomfortable feeling. It's frustrating because you know you could do better. If there were more hours in a day I'd be OK."

Fall Football Scheduled

Three of the East's strongest teams visit Schoellkopf Stadium next fall as part of Cornell's nine-game football schedule announced this week by Dick Schultz, director of athletics.

Rutgers, which holds the nation's longest winning streak at 18, will be on Oct. 1. Ivy League co-champion Yale is Cornell's homecoming opponent on Oct. 29.

Colgate, 8-2 in 1976, visits the Big Red on Sept. 24.

The complete schedule:
Sept. 17, at Pennsylvania; 24, Colgate.

Oct. 1, Rutgers; 8, Harvard; 15, at Brown; 22, at Dartmouth; 29, Yale.

Nov. 5, Columbia; 12, at Princeton.

Campus Emergency?
New Number About June 15
At Public Safety:

256-1111

Russians Visit Cornell

A two-day workshop for Soviet and American scientists studying the use of high energy electron and ion beams for thermonuclear fusion was held recently at Cornell's Laboratory of Plasma Studies (LPS). The Soviet delegation, consisting of L. Rudakov, A. Gusev, E. Kruglyakov and V. Kazhavin, was part of the Soviet-U.S. exchange program sponsored by the federal Energy Research and Development Administration.

The workshop brought together the top Soviet researchers in the fields of electron and ion beam pellet fusion, pulsed power accelerator design and plasma studies with their counterparts from American laboratories including

Cornell, Sandia and Lawrence Livermore Laboratory.

Cornell was chosen for the workshop because of its leadership in investigating the use of high-energy beams of ions in thermonuclear fusion — the newest approach to the problem and one which researchers believe may one day yield almost limitless energy, according to R.N. Sudan, IBM professor of engineering and director of LPS.

The workshop was part of a week-long visit by the Soviet scientists to Cornell during which time they toured Cornell's facilities for fusion research.

Appointments

Erickson Is New Ombudsman

Eugene C. Erickson, Cornell professor of rural sociology, has been appointed University ombudsman, effective July 1. As ombudsman, he will be responsible for receiving and guiding individual complaints, mediating disputes and designing procedures for dispute settlements.

Erickson will continue to teach in the department of rural sociology. His current teaching and research involves the work and aims of social scientists in achieving economic and social change and, particularly, the way in which food production is organized.

A member of various professional associations, including the American Sociological Society and the American Anthropological Association, Erickson taught at the University of Gadjah Mada in Indonesia from 1974 to 1976 as part of the Rockefeller Foundation Field Staff. He also received first prize from the New York State Recreation and Park



Eugene C. Erickson

Service, Inc. for a study on rural landowners.

College Bowl Coordinator Named

Rick Ross, assistant director of Willard Straight Hall, is the newly appointed Regional College Bowl coordinator of the Association of College Unions-International (ACU-I). He will serve on the staff of the regional representative for member colleges and universities in New York State and Ontario and Quebec, Canada.

As regional coordinator, he will

provide information about the College Bowl program, a renewal of the popular television game of the 1950s, in which intercollegiate competition is co-sponsored by ACU-I and the College Bowl Co.

The purpose of ACU-I, with more than 800 member institutions, is to help college unions improve their services and facilities and aid in the development of new college unions.

Geneva High Post Filled

Alexander C. Davis has been appointed associate director at the State Agricultural Experiment Station, Geneva, and assistant director of research for the College of Agriculture and Life Sciences.

Davis steps into the position vacated by former Assistant Director Benjamin E. Clark who recently returned to the Department of Seed and Vegetable Sciences to oversee the program of the Seed Testing Laboratory.

As associate director, Davis will hold major responsibilities for federal programs in which the station is involved; will represent the station on various regional commit-

tees; serve as advisor for the station's Regional Plant Introduction Laboratory and the Regional Pesticide Laboratory for minor uses on minor crops; will coordinate programs on general plant operations of the Station including facility maintenance, rehabilitation, and new construction; and also will assist in directing the activities of the station's Department of Computer Services.

In addition to his duties as associate director of research, Davis will maintain his position as professor of Entomology in the station's Department of Entomology.

History Acting Chairman Elected

R. Laurence Moore, associate professor of American history, has been elected acting chairman of the History Department for one year, effective July 1, 1977. The action was approved by the Executive Committee of the Board of Trustees during its May meeting.

Moore was elected by the history department faculty because Richard

Polenberg, professor of history and the newly-elected chairman for the period July 1, 1977 through June 30, 1980, will be on leave for the 1977-78 academic year.

After teaching at Yale for five years, Moore joined the Cornell faculty in 1972. He was elected associate professor with tenure in 1974.

Stateville Penitentiary

'History Contains Lesson'

The failure to achieve prison reforms at Stateville Penitentiary in Illinois during the 1970s has ominous overtones for the capacity of American society to reform itself at all, according to James B. Jacobs in his book on the history of the famed maximum security prison.

A lawyer, sociologist and member of the faculty at Cornell, Jacobs traces the history of the prison from its construction in 1925 through its days as a model prison under its renowned warden, Joseph Ragen, to the collapse of prison control during the 1970s.

Jacobs concludes his book, published this spring by the University of Chicago Press, with the question — in face of the failures at reform — "What if the prison reverts to arbitrary and capricious management in a situation marked by brutality, favoritism and staff apathy?"

As an afterthought to his book he has said on several occasions that the failure to establish order under reform regimes may give rise to much more authoritarian measures which should alert this country to the danger of fascism, not only in the prisons but in the society at large.

In the book he describes the era of Black Muslim activism in the 1950s and 60s and the later takeover of the prison by inmates from what he calls minority supergangs in Chicago. He describes how these gangs grew out of traditional youth gangs and attained a certain legitimacy and recognition through the reform efforts of the federal government, private foundations, universities and churches.

He says a second generation reform administration, which

emerged in 1975, has attempted to combine some of the earlier emphasis on strong administration with the recent humanitarian reforms demanded by the courts, outside interest groups and penologists.

The book is titled "Stateville: The Penitentiary in Mass Society."

Jacobs follows theories concerning mass society and bureaucracy. Before World War II, he says, the prison was an isolated institution.

The administrative structure, based on charismatic dominance, reflected its peripheral position in society. In the last two decades, civil rights have been extended to marginal groups such as racial minorities, the poor, and, ultimately, the incarcerated. As the prison moved closer to society's center, he explains how Stateville's control mechanisms became less authoritarian and more legalistic and bureaucratic.

State's Fiscal Crisis Is Volume's Theme

The New York State School of Industrial and Labor Relations (ILR) has published the proceedings of a 1975 Governor's Task Force on Economic Development, which concerned New York State's economic crisis.

The volume, entitled "New York State's Economic Crisis: Jobs, Incomes, and Economic Growth," contains reports on the status of business and jobs in the state as well as concrete proposals on ways to deal with the crisis. The reports were prepared by several of the 150 representatives of labor and management who attended the conference, "The Labor-Management Conference on the Business Climate and Jobs in New York State."

The volume is divided into two parts. The first, "Major Economic Problems: Current and Prospective," features reports on employment, the economics of utilities and energy, the economic problems of a mature economy, and the New York City fiscal crisis. The second part, "The Need for Government Action," offers reports of the business climate in the state, the state government's role in economic development and the role of government as innovator.

An appendix contains abstracts of papers prepared for the conference that were not included in the book.

The volume is available from the ILR school for \$6 paper and \$7.75 paper bound in cloth.

Ashford To Investigate Democratic Process

Douglas E. Ashford, professor of government, will preside over an international study group under funding by the Council of European Studies, New York, on the subject "Territorial Politics and Resource Allocation."

Ashford, who is director of Cornell's Western Societies Program, will work with eight scholars from three other American universities, the University of Pennsylvania, the University of Michigan and the University of California at Los Angeles, and four European professors from the University of Bordeaux, France, the University of Uppsala, Sweden; Nuffield College, Great Britain, and the International Institute for Management Studies, West Germany. They will attend a series of meetings in Europe and North America over the next three years.

The research group will focus on how the growing complexity of transfers and subsidies from central to urban governments has affected political relationships between cities and national government. Of particular interest is the increasing dependence of urban governments on national politics and policy which may change the nature of the democratic process in Western Europe and North America.

The Council of European Studies is a national organization of American universities and scholars concerned with European affairs. Cornell was a founding member of the council. Ashford is now a member of the Council's Steering Committee and has been director of Cornell's European program since late 1975.

Book Will Examine Peace in Mid-East

A book that will examine possible solutions to the Middle East conflict is expected to be published as a result of a recent three-day conference at Cornell University.

National experts in Middle East policy and military intervention and arms transfer policies gathered at Cornell April 21-23 for the conference on "The Role of the Great Powers in the Mid-East," sponsored by the Peace Studies program.

Milton Leitenberg, research associate for the program, said the discussions at the conference provided a comparison between American and Russian foreign policies, particularly focused on the Middle East, including the Persian Gulf.

Topics covered included the superpowers' military, economic, and political intervention and nuclear reactor export policies. Military assistance policies of Britain and France, as well as the U.S. and

U.S.S.R. were also discussed.

Leitenberg said one question explored during the conference was how the Middle East countries' development of nuclear reactors will affect the political situation there 20 years from now.

The Peace Studies Program, part of the Center for International Studies and funded through a Ford Foundation grant, has published seven books in recent years on such topics as the cultural revolution in China, nuclear proliferation, and international politics.



Campus Emergency?
New Number About June 15
At Public Safety:
256-1111

Students Discuss Careers, Socialize with CU Alumni

What kind of career do you want? Working within a corporate structure? A business of your own? Or something quite different?

Such questions are difficult to answer for many Cornell seniors—and they become annoying, because even after a great deal of thinking, suitable answers rarely emerge.

To make the world of work more real for those about to enter it, Cornell has begun a new program, Career Profiles, sponsored by the Federation of Cornell Clubs, the Cornell Internship Program, a student group, and the Class of '77.

The first sessions were held Monday (March 28), when five Cornell alumni visited the campus and talked with more than 40 students, answering questions, providing advice and telling how they had coped with job-hunting and eventually chosen fields which provided satisfying and successful careers.

"Most students can find out what they need to know to enter a field," said Melissa Grant, '77, the program's coordinator, "but there is little opportunity for them to find out what it's actually like to do different kinds of work. The alumni can help fill this gap in career information."

Alumni met with the students,

who had signed up in advance, in small groups throughout the day, finishing with a wine and cheese party at the Big Red Barn.

Sam Seltzer '48, president of the Federation of Cornell Clubs, and John Apgar '55 warned against seeking high salaries as a career objective. Far more important, they said, was to get into a field that presented challenges and the opportunity to grow.

"I know you're anxious, but it's very simple. Go out and get a job. Really, it isn't a big deal," Seltzer said.

Apgar, a store manager for J.C. Penney, said, "When I graduated I knew I was interested in selling and working with people. I can't remember even thinking about profit—we were wrapped up in the details of day-to-day sales. A sense of personal accomplishment and getting recognized by superiors represented success."

Alumni participating in the program, in addition to Seltzer and Apgar, were: Helen M. Berg, '51, a Cornell trustee and assistant dean for development, New York Hospital-Cornell School of Nursing; John E. Rupert, '49, and L.L.B. '51, President of the Broadview Savings

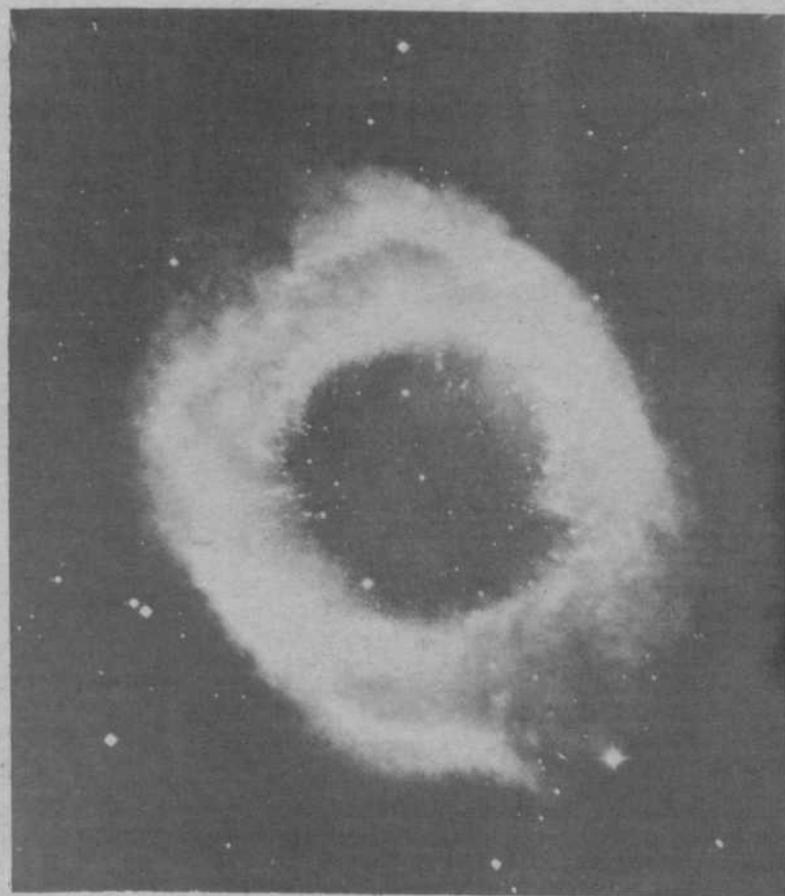
and Loan Company, Cleveland, and Mr. and Mrs. Daniel Bondareff, '35 and '37. Bondareff, first vice president of the Federation of Cornell Clubs, is in the field of banking and supermarketing.

Seltzer, who owns an import-export business, told of some early mistakes and frustrations. He decided to work in Puerto Rico at one point, partly because it was possible to live better there. But his position was a dead end, with little challenge. "I lost touch with reality there," he said.

The sessions resembled job interviews, but because no specific jobs were at stake the discussions were more frank and relaxed, participants said. Both alumni and students said they found the program stimulating and informative and wanted to see it continued.

Grant said plans are to hold several Career Profile days during the fall semester, depending upon student interest. "We would like to make the program a regular part of the senior class activities," she said.

John Stone, associate director of alumni affairs, said the program would be advertised next fall in time for interested students to sign up.



Most stars in our galaxy will end their lives as planetary nebulae. They will explode, sending a ring-like cloud of gas into space, leaving behind an intensely hot white dwarf star.

Fast Worker with Sloth

Dangerous Tick Identified

A two-toed sloth from the Buffalo Zoo, ticks feeding on it, and parasitologists from Cornell University teamed up recently and may have prevented an outbreak of the little disease Texas fever (bovine babesiosis) in this country.

The ticks had been sent to Dr. Jay Georgi, professor of parasitology at the New York State College of Veterinary Medicine, for identification shortly after the sloth arrived at the zoo from a Miami, Fla., animal importer.

Dr. Georgi turned the collection over to Barry O'Connor, a graduate student in the Department of Entomology,

who identified one of the ticks as *Boophilus microplus*, a "vector" or carrier of Texas fever and a major problem in cattle-raising areas in Australia and Central and South America.

Dr. Georgi quickly reported the findings to the Animal and Plant Health Inspection Service (APHIS) of the U.S. Department of Agriculture. The sloth importer's facilities in Miami were placed under quarantine and an intensive search is underway to track down other animals from the importer's stock sent to other zoos in the country.

Dr. Georgi is quick to point out

that the tick found on the sloth was not necessarily infected with the Texas fever parasite—but finding a potential carrier of the disease was reason enough to act quickly.

Texas fever was once an important cattle disease in the southern part of the United States. In 1893 it was shown to be transmitted by the tick *Boophilus annulatus*, a species closely related to the one found on the sloth and one which feeds almost exclusively on cattle.

A massive program to eradicate the tick was begun in 1906, and the disease was virtually eliminated from the U.S. by 1940 through a program of dipping cattle in an arsenic solution which killed the ticks.

The tick that O'Connor and Dr. Georgi identified could pose a more serious problem for the U.S. cattle industry than the species that occurred naturally because it is more resistant to chemicals and can live on most warm-blooded animals—not just cattle.

Even if it were controlled on cattle through a program of dippings, there could be a residual population of ticks living on deer and other wild animals, Dr. Georgi said.

Dr. Georgi urged any veterinarian finding an unusual tick on an imported animal to send it as quickly as possible to either the New York State Diagnostic Laboratory at Cornell or APHIS, Hyattsville, Md. 20782 for further analysis.

"I'm going to be looking at ticks a lot more carefully myself from now on," he added.

Conference Topic Is Death of Stars

T.S. Eliot was wrong. The world and the sun that sustains it will end some four billion years from now in a planetary nebula—somewhere between a bang and a whimper.

The dying phase of the majority of stars in the universe, planetary nebulae, will be the topic of an International Astronomical Union (IAU) Symposium to be held at Cornell from June 6 through 10. Representatives from more than 30 countries are expected to present the latest information available on this common stellar phenomenon. It is the first IAU symposium on planetary nebulae in a decade and the first to be held since it was realized how common planetary nebulae must be in the universe.

Yervant Terzian, professor of astronomy and space sciences at Cornell and chairman of the Symposium Scientific Organizing Committee, explained that stars form when clouds of interstellar gas and dust collapse due to gravitational forces. Stars then spend 90 per cent of their lifetimes converting hydrogen gas into helium by nuclear reactions.

When enough of the hydrogen is converted to helium, the star begins to die, its core heats up and triggers an expansion of the outer layer that can range from mild to violently explosive.

Massive stars, perhaps 10 times the size of our sun, will end as dramatic supernovae, violent explosions that can often be seen from earth. Stars ranging in size from half the mass of our sun to perhaps four or five times its mass will explode

envelope of ever-expanding gases, the planetary nebula.

The rest of the star will condense into a very hot, very dense white dwarf that will eventually cool down into a dark star. More than 1,000 planetary nebulae (so named because their color resembles that of the planets) have been observed to date.

Some 20 experts in the field of planetary nebulae will give invited papers at the symposium covering such topics as the observation of planetary nebulae with ultra-violet, optical, infrared and radio telescopes, the fate of the star remnant after a planetary nebula forms, and the influence of planetary nebulae on the interstellar medium and on the evolution of our galaxy as a whole.

"It is our current understanding that the heavy elements such as carbon, nitrogen, oxygen, iron and others, are formed in the hot and dense interiors of stars. They are then ejected into the interstellar space by stellar explosions such as planetary nebulae and supernova remnants. These gases, containing small amounts of heavy elements, mix with other clouds in the space between the stars and eventually collapse to form new stars and planets," Terzian said.

"It could be that all the heavy elements in our bodies were formed from the second or third generation collapse of gas and dust clouds in

Half Way Up the Stairs...



Bulletin of the Faculty

Meeting of the FCR
May 11

The last FCR meeting of the 1976-77 academic year was called to order by Speaker J. Robert Cooke in Ives Hall about 4:40 p.m., May 11. A quorum was in attendance — both of the present FCR membership as well as that of the coming year. The former being on hand, the minutes of the last meeting could be considered. Happily, they were accepted as distributed.

The speaker then called on Dean Saunders for his report. He first called attention to the final one of the three yearly full Faculty meetings called for in the Bylaws. This will be held in Ives 120 next Wednesday, May 18, too soon for this word in the *Chronicle* to be of any avail. Nevertheless, he hoped that there would be a good turn out; there is minimal business to transact, namely, zero at this point. But recognition will be made of our retiring colleagues and of outgoing President Dale Corson. He hoped that all would remind others of the affair.

Secondly, the dean informed the body that in view of the FCR's approving last month a resolution calling for an election of seven Faculty members to the new Campus Council, a ballot will be going out at the end of the week to implement the resolution. He urged prompt return of the ballot and indicated that the Council will be organized early in the fall.

Thirdly, on behalf of the Nominations and Elections Committee chairman, Philip McCarthy, he announced the results of the recent election to the various committees of the Faculty and the FCR. The results are appended at the end of this report. He hoped that all who had been elected had received his written notification of the fact prior to his oral listing.

Fourth, the dean said there would be a motion later in the meeting to suspend the rules to enable next year's FCR to get going; all new members present should stick around for three or four minutes to go through a procedural formalism.

Fifth, he announced the results of his recent straw poll on Faculty sentiment regarding modification of the Faculty Bylaws and organization. This was of some interest. There were 303 ballots returned; not too bad, considering that even in the above election returns only 483 ballots were received, that many Faculty members are neutral, and that many members have indicated they missed seeing the straw ballot in the pile of papers also accompanying it in the mailing. Important such items will likely be put on colored paper hereafter. At any rate, of those responding, 81.5 per cent indicated favoring a review — not necessarily change — of the structure. Interestingly enough, the response in favor of such was not greatly different between arts, engineering and life sciences. Both the Review and Procedures and the Executive Committees have authorized the dean to put together an ad hoc committee to study the situation; many possible names have been suggested for it. He hoped that a modified document might be ready for the fall; at the least, sections dealing with Senate relations will have to be changed.

The speaker then called on Henry Riciutti, chairman of the Committee on Academic Programs and Policies. He presented a resolution which was a modification of one postponed from a recent meeting. The College of Architecture had earlier requested a name change of the Bachelor of Fine Arts degree in the History of Architecture and Urban Development to one of Bachelor of Arts, a change to which the Arts College objected. Following consultation between Deans Levin and Seley, the Architecture College, not wishing to hassle over it, agreed to let it become a Bachelor of Science degree. This was the sense of the resolution presented. There was consternation at this change of

stance, a seeming arts degree becoming one in science, willy nilly. Riciutti, in response to questioning, said CAPP had approved it only for the A.B. degree, had not been in on the shift, and he was unaware of the discussion leading to it. The dean read a statement from architecture which was the basis of the original request and covering the history. Potter thought the degree sounded more and more like arts to him. A degree in architecture, involving, as it must, mathematics, calculation, materials, etc., would appear to be science all right. But History to him sounds like arts; weird he says. Fortunately, Barclay Jones of City and Regional Planning and Rural Regional Studies was present to clear up matters for most. He said that architecture can offer only two undergraduate degrees: presently, the Bachelor of Architecture, for real architects, and the Bachelor of Fine Arts. The only college that can give the Bachelor of Arts degree is the arts college. The Bachelor of Science degree, however, is used in Communication Arts, Human Ecology, Design and Environmental Analysis, Engineering and numerous other disciplines. The Bachelor of Fine Arts designation is primarily understood as one relating to practice in one of the fine arts, music, sculpturing, or whatever. So they have no alternative but to ask for the change from arts to science in the degree Bachelor of . . . The vote, while far from one of unanimity, was in favor of the resolution.

Next considered was a resolution from the Committee on Teaching and Learning, presented by its chairman, Norman Scott. This was a resolution to approve a document, "Student-Academic Staff Grievance Procedure," Cornell's response to the Government's Title IX requirement. In committee and sub-committee, this had gone through a number of drafts, the present one being number 4, incorporating all the changes suggested to those preceding it. A question directed at Scott indicated concern that the document represented only half the requirement demanded by Title IX; that it only covers student grievances. Where are the procedures for academic grievances? It was the chairman's understanding that the procedures to cover academic grievances were in place in the several colleges; the present resolution covered the required other half of the coin, to coin a phrase. Arthur Berkey was a little worried about the third step in the procedure, which gives the dean the option of empanelling an advisory board "to find fact in the case and make a recommendation." Should not the aggrieved also be given that option, he asked? Mrs. Poppensieck of the Ombudsmen's Office said that this had not been considered in formulating the procedure. Constance Wood said, also in response to Berkey's concern, that the Executive Committee had likewise spotted the same point, and had decided that Item 3 in the General Provisions covered it, in that "The aggrieved may appeal recommendations or decisions at each step." Berkey asked if Scott would accept a friendly amendment to make it specific in Step 3. The latter was willing but objection from the floor meant a motion must be put. Berkey did not favor making legislation on the floor and demurred; that just makes for trouble. The resolution then carried in the vote.

The dean then moved a suspension of the rules. As things stand, the FCR is in continuous session from September sometime to June 30. But at this juncture, after adjournment of the meeting, it is convenient for the new FCR, a quorum of which was present, to meet briefly and simply accept a slate of nominations for the new Executive Committee and make any additions to it from the floor. This makes an early election possible and gets things off to a fast start in the fall. The procedure has been followed in the past. The suspension was approved.

As a final item, Berkey cited his lengthy letter to the dean and FCR members, which was distributed with the call to the meeting. His was the lone vote at the last meeting against proceeding with the election of seven Faculty members to the new Campus Council. He objected on the basis that we had not ever seen the Charter, nor was it even mailed out in the call to the present meeting as he had asked. He requested that his "statement be on record

as an expression of concern regarding the erosion of the role of the Faculty at Cornell University." He has been asked by the dean to serve with two others to monitor the operation of the Council but he has not yet decided whether to do so or not, knowing nothing about the Council. In this regard, no questions were directed at Vice President Gurowitz, who was present to field such.

Following an applause of appreciation by the body for the services rendered over a period of two years by Speaker Cooke, the meeting adjourned early, at 5:10 p.m.

Before breaking up, the members of the 1977-78 FCR were called to order as allowed by the rules suspension passed earlier. A slate of nominations for the new Executive Committee was read off and further nominations were called for. There being none, the nominations were closed and the slate approved. An election will be set in motion. Meeting adjourned. Elapsed time: under three minutes.

On being reminded again of the coming full Faculty meeting a week hence, the entire body then broke up and dispersed.

P.L. Hartman, Secretary

SPRING 1977 ELECTION RESULTS

UNIVERSITY FACULTY ELECTIONS

FACULTY TRUSTEE, non-tenured: Carol B. Meeks, Consumer Economics and Public Policy.

AT-LARGE MEMBER, FCR, 2 seats: Arthur L. Bloom, Geological Sciences; Raymond T. Fox, Floriculture and Ornamental Horticulture. REVIEW AND PROCEDURES COMMITTEE, 3 seats: Leroy L. Creasy, Pomology; Barclay G. Jones, City and Regional Planning and Co-Director, Program in Urban and Regional Studies; Elizabeth Weigand, Consumer Economics and Public Policy.

NOMINATIONS AND ELECTIONS COMMITTEE, 3 seats: Wolfgang H. Fuchs, Mathematics; Robert F. Kahrs, Epidemiology, Veterinary; William C. Kelly, Vegetable Crops.

MEMBERSHIP OF THE UNIVERSITY FACULTY COMMITTEE, 1 seat: Donald D. Eddy, English and Librarian, Rare Books Department, Olin.

ACADEMIC FREEDOM AND RESPONSIBILITY COMMITTEE, 1 non-tenured seat: Jennifer Gerner, Consumer Economics and Public Policy.

ACADEMIC PROGRAMS AND POLICIES COMMITTEE, 1 tenured seat: Lucinda A. Noble, Community Service Education and Associate Director, Cooperative Extension and Associate Dean, Human Ecology.

ADMISSIONS AND FINANCIAL AIDS COMMITTEE, 1 non-tenured seat: Louis D. Albright, Agricultural Engineering.

BUDGET COMMITTEE, 1 tenured seat: Alain Seznec, Chairman, Romance Studies.

BUDGET COMMITTEE, 1 non-tenured seat: Larry E. Chase, Animal Science.

FREEDOM OF TEACHING AND LEARNING COMMITTEE, 1 tenured seat: Alvin H. Bernstein, History.

MINORITY EDUCATION COMMITTEE, 1 non-tenured seat: John L. Ford, Community Service Education.

PHYSICAL EDUCATION COMMITTEE, 1 tenured seat: Robert C. Baker, Food Science, Poultry Science.

PHYSICAL EDUCATION COMMITTEE, 1 non-tenured seat: Virginia Utermohlen, Nutritional Sciences.

PROFESSIONAL AND ECONOMIC STATUS OF THE FACULTY COMMITTEE, 2 tenured seats: Anthony Caputi, Chairman, Department of English; E. Scott Maynes, Consumer Economics and Public Policy.

RESEARCH POLICIES COMMITTEE, 2 tenured seats: Antonie W. Blackler, Genetics, Development and Physiology; Alvin F. Sellers, Physiology, and Assistant Dean for Research, Veterinary.

UNIVERSITY-ROTC RELATIONSHIPS COMMITTEE, 2 seats: Bruce P. Halpern, Chairman, Department of Psychology; Joseph L. Rosson, Associate Director, Electrical Engineering.

COUNCIL ON PHYSICAL EDUCATION AND ATHLETICS, 1 seat: Mary A. Morrison, Nutritional Sciences.

FCR ELECTIONS

ACADEMIC FREEDOM AND RESPONSIBILITY COMMITTEE, 1 tenured seat: Robert L. Bruce, Extension Education.

ADMISSIONS AND FINANCIAL AIDS COMMITTEE, 1 tenured seat: Neil W. Ashcroft, Physics/LASSP.

ADMISSIONS AND FINANCIAL AIDS COMMITTEE, 1 non-tenured seat: Margarita Suter, Modern Languages and Linguistics.

ACADEMIC PROGRAMS AND POLICIES COMMITTEE, 1 tenured seat: Benjamin M. Siegel, Applied and Engineering Physics.

ACADEMIC PROGRAMS AND POLICIES COMMITTEE, 1 non-tenured seat: Richard H. Penner, Hotel Administration - 2-year term.

BUDGET COMMITTEE, 1 tenured seat: Paul L. Hartman, Physics/LASSP, Associate Director, Engineering Physics.

BUDGET COMMITTEE, 1 non-tenured seat: Anita V. Grossvogel, Romance Studies (2-year term).

FREEDOM OF TEACHING AND LEARNING COMMITTEE, 1 tenured seat: John J. Barcelo, Law.

FREEDOM OF TEACHING AND LEARNING COMMITTEE, 1 non-tenured seat: David L. Kohlstedt, Materials Science and Engineering.

MINORITY EDUCATION COMMITTEE, 1 tenured seat: Peter Gergely, Structural Engineering.

MINORITY EDUCATION COMMITTEE, 1 non-tenured seat: Herbert O. Mason, Agricultural Economics.

PHYSICAL EDUCATION COMMITTEE, 2 tenured seats: Robert E. Habel, Anatomy - 3-year term; Madison J. Wright, Agronomy - 2-year term.

PROFESSIONAL AND ECONOMIC STATUS OF THE FACULTY COMMITTEE, 1 non-tenured seat: Dennis U. Fisher, Agricultural Economics.

RESEARCH POLICIES COMMITTEE, 1 tenured seat: William A. Wimsatt, Zoology, Genetics, Development and Physiology (2-year term).

RESEARCH POLICIES COMMITTEE, 1 non-tenured seat: William H. Reissig, Entomology, Geneva.

All terms are for 3 years unless otherwise designated.

'To Sleep or Not To Sleep...'



Flying Ace To Speak At Commissioning

Major General Andrew P. Iosue, commander of the Air Force Military Training Center at Lackland Air Force Base in San Antonio, Tex., will be the speaker at the Reserve Officer Training Corps Tri-service Commissioning Ceremony at 8:15 p.m. Monday, May 30, in the Alice Statler Auditorium.

The Cornell Air Force ROTC office, which is handling the arrangements this year, estimates that 56 Army, Air Force, Navy and Marine cadets and midshipman will be commissioned at the ceremony. Most will be given active-duty commissions, while several will be given education-delays to enable them to complete further studies before going on active duty.

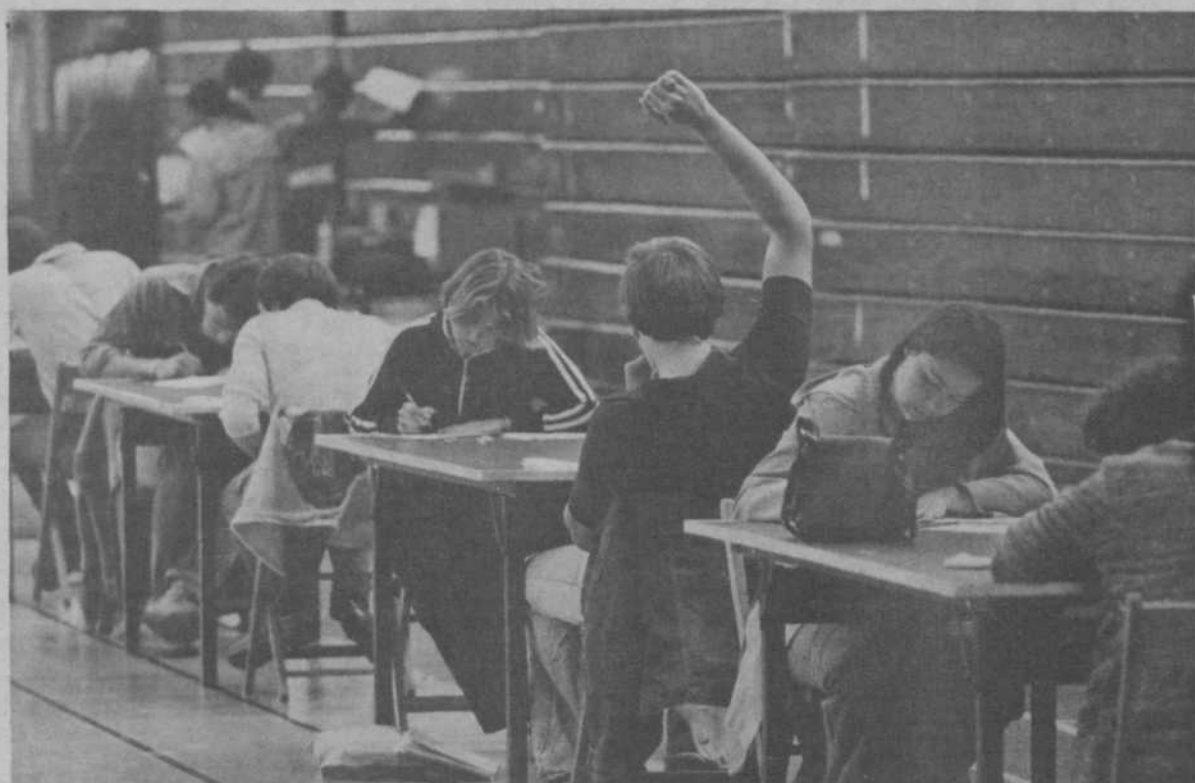
President Dale R. Corson will give the opening welcome and introduce General Iosue.

A former Air Force ROTC instructor at Cornell from 1957 to 1960,

Iosue has been an instructor pilot, a Chief of Wing training for the 317th Wing at Lockbourne Air Force Base in Ohio, and commanded the 504th Tactical Air Support Group in Vietnam in 1970. In May 1971, he became Commander of the 374th Tactical Airlift Wing at Ching Chuan Kang Air Base in Taiwan. Iosue personally flew more than 200 combat missions while in Southeast Asia. As commander of the military training center at Lackland Air Force Base, Iosue supervises basic military training for all Air Force enlisted personnel, and has responsibility for a wide range of other training functions.



What's the Answer?



Commencement:

Continued from Page 1

9:50 a.m. Procession will start under direction of the University Marshal.

11 a.m. The exercises in Schoellkopf will begin.

There will be an outdoor academic procession, originating on the Arts quadrangle, which will march clockwise around the quadrangle and then to Schoellkopf Field. The procession will be under the direction of the University Marshal and will be formed in a double column for the following order of march: *Class Division, Faculty Division, Trustee Division*.

The members of the *Class Division*, composed of candidates for degrees, will meet at points on the quadrangle designated by signs. In general, candidates for Graduate School Advanced Degrees, including doctors and masters, and candidates for masters of engineering, and nutrition, will form across the quadrangle in front of Olin Library; candidates for degrees in business and public administration in front of Morrill Hall; for degrees in veterinary medicine between Morrill Hall and McGraw Hall; for bachelor's degrees in engineering and for master's degrees in aerospace engineering in front of McGraw Hall; in architecture, fine arts, and industrial and labor relations in front of White Hall; human ecology in front of West Sibley; hotel administration in front of East Sibley; agriculture in front of Lincoln; arts and sciences in front of Goldwin Smith. All groups of candidates for degrees will line up in double column flanking the sidewalk and each column facing the center of the sidewalk. The cap of the academic costume is worn with cap tassels at the right.

The *Faculty Division*, headed by the two Faculty Marshals, and consisting of members of the Faculty including emeritus professors, will form on the quadrangle to the south of Goldwin Smith. This division will follow the *Class Division* in the procession.

The *Trustee Division*, headed by the Trustee Marshals and composed of the president, trustees, provost, vice provosts, vice presidents and deans, will meet in the board room, Day Hall, and will move to Olin Library for review of the procession. The *Trustee Division* will follow the *Faculty Division* in the procession.

The candidates for advanced degrees (headed by the University Marshal and the two Class Marshals) will lead the procession, marching to Morrill Hall, and then north, east, and south, around the main quadrangle, passing between the flanking columns of the remaining groups in the quadrangle. The other groups of candidates for degrees will move into line as the procession passes their places. The procession will leave the quadrangle and proceed to the intersection of Tower Road and East Avenue; then to Schoellkopf Field under the Marshall's direction, and to seats as directed by the marshals and ushers.

All candidates, men and women, keep caps on during the procession; during the exercises men will follow the lead of the president in removing and replacing their caps. Caps are worn during the ceremony of conferring degrees.

The *Faculty Division* will move to seats as designated by their ushers and Faculty Marshals in Schoellkopf Crescent.

The *Trustee Division* will go to seats in the center stage on Schoellkopf Field.

All will stand through the opening ceremony; then the entire audience will be seated.

For the conferring of degrees, each group of candidates will rise as

Rain or Shine

called by the University Marshal, and will remain standing until given the signal to be seated. When the president announces the degree conferred, tassels should be shifted to the left.

At the conclusion of the ceremony, the *Trustee Division* and *Faculty Division* will form in procession and exit from Schoellkopf Field in that order. The graduates will not join the procession but will remain standing while the *Trustee* and *Faculty Divisions* exit. The graduates and the audience will disband when the procession has departed from Schoellkopf Field.

In case of predicted showers on Commencement Day, all members of the graduating class, including candidates for advanced degrees, should report to Lynah Rink. The procession will move from Lynah Rink to Schoellkopf Field.

In the event of very inclement weather, all candidates should report to Teagle Hall, where they will receive further instructions before proceeding in groups to Barton Hall or Lynah Rink for abbreviated ceremonies. Details will be publicized later.

The *Faculty Division* will assemble in the Navy area in the southeast corner of Barton Hall. The *Trustee Division* will assemble in the lounge of the Navy offices at Barton Hall.

Assembly times will be the times indicated for outdoor procession.

In the event of inclement weather, radio announcements will be made at 9 a.m. as to indoor or outdoor assembly for procession.

Telephones: Barton Hall, 6-4202; Commencement Arrangements: H.L. Everett, 6-3103; F.B. Miller, 6-2062; Schoellkopf Field, 6-4237.

NOTES

Eligibility for Degrees: to be eligible for degrees, candidates, besides fulfilling all academic requirements, must make a final settlement of their accounts at the Treasurer's Office, in accordance with instructions from that office.

Diplomas: immediately after the Commencement exercises, diplomas will be distributed at the offices or receptions of the various schools and colleges. Diplomas for the masters' and doctors' degrees in the Graduate School will be distributed in Sage Graduate Center, except that Master of Engineering diplomas will be distributed in engineering school and department offices.

A graduating student who cannot be present on Commencement Day should leave instructions for mailing his diploma with the Registrar, Day Hall. The mailing fee is \$2 for addresses in U.S.

Academic Costume: Caps and gowns may be obtained by students through Student Agencies, 410 College Avenue.

To order: Stop at Student Agencies Lanudromat anytime between 9 a.m. and 4 p.m. Monday through Friday. After May 1 there is a late charge.

To pick up: Caps and gowns may be picked up at Clara Dickson ballroom on May 26, 27, 28, and 29, between 10:30 a.m. and 4 p.m., and on May 30 between 8 a.m. and 10:30 a.m.

To return: Student Agencies will have stations close to Schoellkopf Field, where you should return caps and gowns directly after the ceremony. Degree recipients may keep the tassels from their caps.

Faculty members may obtain academic regalia, to the limit of supply, in Room G-18 Barton Hall on Friday, May 27, 10 a.m. to 4 p.m., and Monday, May 30, after 8 a.m. All Faculty regalia must be returned to G-18 Barton.

Dickason Named to CEEB Post

Donald G. Dickason, dean of Admissions and Financial Aid, has been elected chairman of the Middle States Regional Council of the College Entrance Examination Board for 1977-78.

The Middle States Regional Council is one of six regional councils in the United States. It provides the regional liaison and forum for interactions among the 650 two- and four-year colleges, the 3,225 secondary schools, and the 600 vocational and technical institutions in Delaware, Maryland, New Jersey, New York, Pennsylvania, Puerto Rico and the District of Columbia.

Dickason is also a member of the National Research and Development Committee of the College Entrance Examination Board.

Professor To Attend Institute

Neil Hertz, associate professor of English at Cornell University, has been chosen to serve as one of 20 college teachers from around the country who will participate in the 1977-78 National Humanities Institute program at Yale University.

The program, funded by the National Endowment for the Humanities, enables the participants to spend a year collaborating on the development of new humanities courses. Hertz is interested in planning upper-level courses that will explore the relation between student writing and professional writing.

He will take a leave of absence from Cornell for the 1977-78 academic year so that he can participate in the program.

Calendar

May 19 — 31

*Admission charged.

Attendance at all events is limited to the approved seating capacity of the hall.

Thursday, May 19

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
8 p.m. *Cornell Cinema presents "Bigger Than Life." Limited. Uris Auditorium.

Friday, May 20

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
1:15 p.m. SALAT-AL-JUMA (Friday Prayer for Muslims). Edwards Room, Anabel Taylor.
6:30 p.m. Shabbat Services (Conservative). Founders Room, Anabel Taylor.
7 & 9:15 p.m. *Cornell Cinema presents "Piece of Pleasure" (Une Partie De Plaisir). Uris Auditorium.
7:15 p.m. Shabbat Services (Orthodox). Young Israel House.
8 p.m. *Cornell Cinema presents "Gold Diggers of 1933" and "The Gang's All Here." Limited. Willard Straight Theater.
8:15 p.m. Cancelled because of illness: Department of Music presents Linda Paterson, soprano; Marius J. Panzarella, piano. Songs of Carissimi, Viadana, Brahms, Debussy, Ives. Barnes Hall.
11:15 p.m. *Cornell Cinema presents "To Have and Have Not." Late Nite Series. Uris Auditorium.

Saturday, May 21

9:30 a.m. Sabbath Services (Orthodox). Edwards Room, Anabel Taylor.
5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
7 & 9:15 p.m. *Cornell Cinema presents "Piece of Pleasure" (Une Partie De Plaisir). Uris Auditorium.
8 p.m. *Cornell Cinema presents "Gold Diggers of 1933" and "The Gang's All Here." Willard Straight Theater.
11:15 p.m. *Cornell Cinema presents "To Have and Have Not." Late Nite Series. Uris Auditorium.

Sunday, May 22

9:30 a.m. Episcopal Church Worship Service. Sunday school and nursery provided.
9:30 & 11 a.m. Catholic Mass. All welcome. Coffee hour follows Mass. Anabel Taylor Auditorium.
10 a.m. Ithaca Society of Friends (Quakers) meeting for worship. Forum, Anabel Taylor.
11 a.m. Sage Chapel Convocation. Jonathan P. Bishop, professor of English, Cornell University.
12:30 & 5 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
7 p.m. International Folkdancers. Straight North Room.
8 p.m. *Cornell Cinema presents "Tristana." Spanish Cinema Series. Uris Auditorium.

Monday, May 23

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
8 p.m. *Cornell Cinema presents "Camille." Uris Auditorium.

Tuesday, May 24

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
8 p.m. *Cornell Cinema presents "The Naked Night" (Sawdust and Tinsel). Uris Auditorium.

Wednesday, May 24

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
7:30 p.m. "Good Beginnings for Babies" co-sponsored by the Infant care and Resource Center and The First Presbyterian Church: "Current Resource on the First Two Years of Life," Dr. Henry Ricciuti, Human Development & Family Studies, First Presbyterian Church, Court Street.
8 p.m. *Cornell Cinema presents "The Long Goodbye." Mystery Fiction Writers Series. Uris Auditorium.

Thursday, May 26

12:15 p.m. Catholic Mass All welcome. Anabel Taylor G-19.
8 p.m. *Cornell Cinema presents "Party Girl." Uris Auditorium.

Friday, May 27

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
7 & 9:15 p.m. *Cornell Cinema presents "The Graduate." Attendance limited. 75 cents to graduating seniors. Cosponsored by the Class of 1977.

Saturday, May 28

A.M. Cornell Heavyweight Crew-Pennsylvania. Flood Control Inlet.
5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.

Sunday, May 29

9:30 a.m. Episcopal Church Worship Service. Sunday school and nursery provided.
10 a.m. Ithaca Society of Friends (Quakers) meeting for worship. Forum, Anabel Taylor.
11 a.m. Sage Chapel Convocation honoring graduates and retirees. Charles E. Wolfe, Presbyterian Minister, chaplain to Military Police, Washington, D.C.
11 a.m. Catholic Mass. All welcome. Statler Hall Auditorium.
2:30 p.m. Cornell Wind Ensemble Concert. Marice Stith and James Gibson, conductors. Works of Hindemith, Reed, Joplin, Holst, Vaughan Williams, Bernstein, Libe Slope. (Straight Memorial Room in case of rain.)
8:15 p.m. *Cornell Glee Club Senior Week Concert. David Janower, acting director. Works of Brahms, Mendelssohn, Carissimi, Smetana, catches and glees. Bailey Hall.

EXHIBITS

Olin Library: "E.B. White," letters and manuscripts of the 78-year-old essayist, poet, *New Yorker* contributor, and the author of *Charlotte's Web* and *Second Tree from the Corner*, through July 15.
Uris Library: "The Documentary - Photography of Persuasion," the use of photography by students and professors, sociologists

and psychologists, journalists and artists, through June 15.

Herbert F. Johnson Museum of Art: Selection for the Robert Coggins Collection of American Painting, through June 12; City on Stone: Nineteenth Century Lithograph Images of the Urban West, through June 19; American Watercolors: 1855-1955 through July 3.

The museum will be open May 30, 1977 (Memorial Day) from 12 noon until 5 p.m. The museum will be open Sunday May 29, 11 a.m. to 2:30 p.m.

Cornell University Press

Beckett, J.C.: THE ANGLO-IRISH TRADITION. Publication date: Jan. 15, 1977; \$9.75.
Honderich, Ted: POLITICAL VIOLENCE. Publication date: Feb. 10, 1977; \$7.95.
Malcolm, Norman: MEMORY AND MIND. Publication date: Feb. 1, 1977; \$12.50.
Malcolm, Norman: THOUGHT AND KNOWLEDGE: Essay in Philosophy. Publication date: Feb. 28, 1977; \$9.75.
Parke, H.W.: FESTIVALS OF THE ATHENIANS. Publication date: Feb. 28, 1977; \$16.50.
Parrish, Stephen, Editor: THE PRELUDE, 1798-1799 by William Wordsworth. Publication date: Feb. 15, 1977; \$19.50.
Vesey, Godfrey: PERSONAL IDENTITY: A Philosophical Analysis. Publication date: Feb. 10, 1977; \$3.45 paper.

Special Seminars

Biological Sciences
BIOCHEMISTRY, MOLECULAR AND CELL BIOLOGY: "Structure of the Cytochrome bc₁ Segment of the Mitochondrial Respiratory Chain." Dr. R.A. Capaldi, University of Oregon, 12:20 p.m., Monday, May 23, Wing Hall Library.
BIOCHEMISTRY, MOLECULAR AND CELL BIOLOGY: "Circular RNA Intermediates in Replication of RNA Tumor Virus. Processing of Viral RNA and Translation of Viral Proteins/In Vitro." Dr. Jonathan P. Leis, Duke University Medical Center, 12:20 p.m., Tuesday, May 24, Wing Hall Library.
BIOCHEMISTRY, MOLECULAR AND CELL BIOLOGY: "An Enzymatic Mechanism for DNA Supercoiling E. coli." Martin Gellert, National Institutes of Health, 4:30 p.m., Friday, May 20, Stocking 204.

Engineering
GEOLOGICAL SCIENCES: "Isostatic Response Function Approach to a Study of Australian Gravity." Marcia McNutt, University of California, San Diego, 3:30 p.m., Wednesday, May 24, Kimball 212.

GEOLOGICAL SCIENCES JOINT WITH THEORETICAL AND APPLIED MECHANICS: "On the Mechanics of Intraglacial Channel Flow." Thursday, May 19, Thurston 205.

MATERIALS SCIENCE AND ENGINEERING: "Study of Crystal Defects in Silicon Devices by High-Voltage Electron Microscopy." B.O. Kolbesen, Munchen, Siemens A.G. Research Laboratory, 9 p.m., Friday, May 27, Bard 140.

Sage Notes

(From the Graduate Schools)
Graduate students who have been registered at Cornell for at least one semester during 1976-77, who want and qualify for student status this summer, and who do not need residence units for summer study, are eligible for Non-credit Graduate Registration for the summer at no charge. This registration provides a summer I.D. for clinic and library use and is required for foreign student status certification, fellowship or other student financial awards, Graduate School Summer Tuition Awards, G.I. benefits, etc. NCGR forms are available at the Information Desk in Sage Graduate Center. Registration may be completed on or after May 24, 1977.
A reception for all graduate students who participate in Commencement exercises and their guests will be held in Sage Graduate Center immediately after the ceremony.

Final Commencement information is available in Sage Graduate Center. Caps and gowns may be ordered through Student Agencies, 412 College Avenue.

The regular meeting of the Graduate Faculty for consideration of the May degree list will be held at 4:30 p.m., Friday, May 27, Kaufmann Auditorium in Goldwin Smith Hall.

Degrees will not be awarded to students who owe fines to the University. All degree candidates should check their accounts with the Student Account Section of the Bursar's Office, 260 Day Hall by May 23, 1977. Since mistakes can be made in the rush of Commencement activities, all candidates should check even if they are sure there are no outstanding charges due the University. All students with loans must set up exit interviews with the Financial Aid Office.

Bulletin Board

COSEP Weekend Celebration

The Committee on Special Education Projects (COSEP) has planned a weekend of activities for COSEP seniors and their families. Beginning with a picnic at Taughannock Park on Saturday, May 28, the weekend includes a dinner Sunday, May 29 at Anabel Taylor (a \$1 fee is being charged) and a luncheon at the Ramada Inn (downtown Ithaca) on graduation day (\$2 will be

charged for the luncheon). For further information call George Houston, 100 Barnes Hall, 256-3843.

Black Alumni Weekend Disco

The Cornell Black Alumni Association reunion weekend to be held June 3-5 includes a Disco. Because of misinformation, it was incorrectly announced that the Disco would be held at the Andrew D. White House. It is to be at North Campus Union, first floor, from 9 p.m. to 2 a.m.

A Place To Study

