



CORNELL CHRONICLE

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Spring Is Just Around ...

When the crocuses push up through the snow and suddenly appear after a melt, everyone feels like winter is on its way out. So, next time you are walking along Tower Road, look for those encouraging signs of spring across from Ives Hall (pictured in lower right of photo above). They really are there. (Close-up pictured below.)



To Combine Fun and Philosophy

'Dialogue on Thought' Set

"Intellectual play" is a rather curious term to those who think the two words are mutually exclusive. But it is not to a number of Cornell University students, faculty and administrators who have come up with what they think is an ideal way to combine learning and playing in a more relaxed atmosphere than that of the classroom.

It's a program called "Dialogue on Thought" and its main goal has been to bring students and professors together for an entire weekend of intellectual discussion, chatting around the fireplace, long after-dinner conversations, playing frisbee or simply making friends.

During the weekend of April 21 to 23, University administrators will be brought into the arena of thought when President Frank Rhodes plans to spend an evening with Paul A. Rahe, instructor of ancient history, and students for a discussion on "Education in the Modern World."

And the following weekend (April 28 to 30) students will gather with William D. Gurowitz, vice president for campus affairs, and James B. Maas, associate professor of psychology. The discussion topic will be "The Family of Man: A Media Exploration" and will include the showing of films produced by Maas, who

directs the Psychology Film Unit at Cornell.

Jeffrey Lee Schwartz, a sophomore in the College of Arts and Sciences and one of the

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Council Seeks Nominations

The Cornell Campus Council is soliciting suggestions for nominees to fill one of the three outside trustee positions on the Board of Trustees which becomes vacant this year.

Representatives of the Campus Council and the Nominating Committee of the board are responsible for nominating candidates.

New Facility Near Arecibo Will Excite Ionosphere

A major new facility for studying the ionosphere, the thick layer of electrically charged air that forms the outer fringes of the earth's atmosphere, is being built near Arecibo, Puerto Rico by the National Astronomy and Ionosphere Center.

NAIC is operated by Cornell University under contract with the National Science Foundation. NSF is providing the \$1.2 million needed to construct the facility, which will be known as the HF Ionospheric Modification Facility.

The HF facility will excite and heat the charged particles in the ionosphere with a powerful beam of energy. The effects of these man-made alterations to the ionosphere will be studied by

radar transmissions from the 1,000-foot radio-radar Arecibo telescope operated by NAIC some 15 miles away.

The captured radar echoes will carry information about the motion of electrically charged particles, their temperatures, chemical compositions and reaction rates. With this information ionospheric physicists can study the effects of solar flares and sunspots on radiocommunication on earth; determine if proposed solar power stations in space would affect radio-communication when beaming their energy to earth and learn more about how weakly ionized plasmas like the ionosphere be-

have—information that could have practical applications in the field of thermonuclear fusion.

"Partial reflection experiments," which provide detailed information on the density of electrons in the ionosphere, also will be possible using the HF facility.

The HF facility will be capable of delivering an effective power of 160 million watts to the area of the ionosphere under study—making it 10 times more powerful than any other ionospheric heating apparatus now available to the scientific community.

An array of antennas covering approximately 21 acres will focus power from four 200,000-watt transmitters to the specific part of the ionosphere under study. Power for the generators will be supplied from an electric generating station at the site.

The new facility will take the place of an ionospheric heating apparatus now mounted on occasion at the main Arecibo telescope. The older device operates at lower power and requires the cessation of all other experiments using the telescope while it is in operation.

Project manager for the new HF facility is Rolf B. Dyce, associate director of operations at the observatory. Ronald F. Woodman, senior research associate at the observatory, is serving as project scientist. The new facility is expected to be completed in June 1979.

Archives to Display Lafayette Papers

In celebration of the 200th anniversary year of the Franco-American Treaty of Alliance, Cornell and the National Archives in Washington, D.C., will present a major exhibition of documents and artifacts illuminating the career of the Marquis de Lafayette, hero of the American Revolution and life-long fighter for political liberties.

The exhibit is entitled "Vive la Liberté! The Marquis de Lafayette on Two Continents."

More than 70 documents and objects will be on view, most of them lent by Cornell University. Cornell's vast Arthur H. and Mary Marden Dean Lafayette Collection totals more than 10,000 items. Complementing this material will be documents from the collections of the National Archives and artifacts lent by the Smithsonian Institution.

"Vive la Liberté!" opens

Wednesday, March 29 in the Exhibition Hall of the Archives at 8th Street and Constitution Avenue N.W., Washington, D.C. It runs through Sept. 6.

The exhibition is under the patronage of the French ambassador to the United States, Francois de Laboulaye, and the Cornell Club of Washington, an alumni group.

Signed in Paris on Feb. 6, 1778, but not announced to the Continental Congress until May 2, the Franco-American Treaty brought moral support and French troops and money to aid the struggling colonies' fight against the British. Arriving earlier on his own initiative was the Marquis de Lafayette, idealistic rich, brave, and just 19 years old, who was to play a significant role in helping America win its struggle. Lafayette later carried his fight for liberty to Europe and was a prominent participant in the French Revolution and in the July Revolution of 1830. When he died in 1834, he was the "Hero of Two Worlds," beloved by millions of people.

Documenting this rich life will be such Cornell documents as maps of the battles of Brandywine and Yorktown; personal articles, such as a map case; and letters to and from Washington, Jefferson, Madison, Webster, and Jackson.



Renovated Cafeteria Is Open

Extensive renovations of the student cafeteria on the second floor of Statler Hall have been completed. In operation the past two weeks, the facility bears no resemblance to its predecessors. And with warm days just around the corner, at least according to the calendar, it should be noted the new installation includes air conditioning.

Retreats Break Intellectual Ice

Continued from Page 1

program coordinators, explained the purpose behind Dialogue of Thought: "At a university as large as Cornell, many of the courses, and even some of the seminars, are lecture-oriented. There's not enough 'people-to-people' interaction outside of the classroom. We're trying to get at that kind of interaction in these weekend sessions. We think this program represents a step toward achieving a genuine educational community at Cornell."

Schwartz first proposed the idea of a weekend retreat at the beginning of the fall semester. He had visited the University of Pennsylvania campus and seen how a similar weekend retreat program had been established there in the wake of campus unrest during the late 60s.

He presented his proposal to Florence Berger, associate dean of students, and received "a tremendous response," according to Schwartz.

The first "Dialogue on Thought" weekend took place last November, when about 15 students and Eldon J. Eisenach, assistant professor of government, along with his wife and two daughters, spent a weekend at the Cayuga Preventorium on Route 96, which overlooks the lake and has lots of land and plenty of nature trails to explore.

"The discussions were excellent and often at a higher level than those in the classroom," said Jim Seltzer, a sophomore in the College of Arts and Sciences, describing his experience at the November retreat. "This was probably due to the relaxed atmosphere. Everyone felt more at ease and not pressured for making good grades or taking copious notes."

Schwartz agreed and pointed out that, at a time when students are increasingly expressing their anxiety over academic and social pressures, the Dialogue on Thought program is an appropriate response to students' concerns.

"Students are provided the opportunity to test out new ideas and approach professors on a more personal level. We're trying to break down the stereotyped roles of 'professor' and 'student' and still have a valid learning experience," Schwartz said.

Also important, said Berger, is the opportunity for students to mix with the professor's family. "Being around children introduces the warmth of family life seldom experienced by students on campus," she said.

The retreat lasts for three days and each day there are two discussion sessions. While there is no set structure to these sessions, the faculty member participating submits a discussion theme for the weekend. Last November's topic was "Can there be a moral politics?" But, in fact, discussions sometimes strayed from the topic, according to Seltzer, but no one seemed to mind:

"No one felt bad if the discussion just flowed into unrelated items. It gave us an opportunity to talk about our individual lifestyles and to really get to know one another," he explained. Seltzer felt the weekend was a good release from the pressures at Cornell and gave him "renewed strength" to come back to campus. And he has kept in touch with Eisenach and the other students.

Schwartz and others hope to further the program by arranging a faculty night in cooperation with Cornell Dining Services in which students would invite professors to dinner, paid for out of

funds provided by Dialogue on Thought. And there are also plans for having professors host meals also paid for by the group.

Funding for the program has been a problem from the start, according to Berger. Appeals for funds have been rejected by the Student Finance Commission.

Originally, program coordinators had arranged for two additional weekend retreats, after receiving a number of topic ideas from faculty members interested in participating. But, these were cancelled due to a lack of funds.

Registration for the spring sessions are on a first-come, first-served basis, and those interested should contact Berger's office in 103 Barnes Hall or call 256-3608. The cost for the entire weekend, including meals, is \$10. Since the first weekend retreat in April coincides with the beginning of the Jewish holiday Passover, an "intercultural seder" is being planned as one of the meals. The seder is the ceremonial dinner held on the first evening of Passover.

Scholarship money for those who can't afford the cost of the program is available. Anyone interested in learning more about the program should contact Schwartz or Seltzer at 272-9384 or Sandy Kivowitz at 272-1265.

Lacrosse to Begin; Lineup Looks Good

What do Cornell coach Richie Moran and his explosive lacrosse team do for an encore? Or should it be second encore?

1976 — 16 wins, no losses, Ivy League title and the NCAA Division I title.

1977 — 13 wins, no losses, Ivy League title and another NCAA Division I title.

Moran has 24 lettermen returning, including five All-Americans, an impressive group of incoming freshmen and some good graduates from last year's Varsity B team.

Cornell's potential will be fully explored in the first four games of the season. That listing includes an exhibition game against the Mt. Washington Lacrosse Club, the nation's defending club champion, to open

the season March 21; Cortland, an NCAA playoff team just about every year; Hobart, which won the NCAA Division II title last season, and Massachusetts, which lost to Cornell 17-13 in an NCAA quarterfinal game last year.

The five players Cornell lost through graduation were class performers. The group included three-time All-American Eamon McEneaney, who wound up as Cornell's second all-time scorer and the nation's top attackman in 1975 and 1977; midfielder and Honorable Mention All-American Dave Bray; last year's tri-captain Gary Malm; face-off specialist Brian Lasda, and two-time All-American and Goal-tender of the Year, Dan Mackesey.

Job Opportunities At Cornell University

The following are regular continuing full-time positions unless otherwise specified. Please do not inquire at individual departments. An Equal Opportunity Employer.

Individuals on lay-off status will be given preference in referrals.
(*) Indicates new this week

CLERICAL POSITIONS

- *Admin. Aide, A-18 (CRSR)
- Admin. Aide, A-18 (University Development)
- Sr. Admin. Secy., A-17 (Personnel Services)
- Admin. Aide, A-18 (Facilities & Business Ops.)
- *Chief Account Clerk, A-17 (LNS)
- *Admin. Secy., A-15 (Univ. Libraries, Uris)
- Library Asst. III, A-15 (Univ. Libraries, Olin)
- *Admin. Secy., A-15 (Economics)
- *Admin. Secy., A-15 (Personnel Services)
- Dept. Secy., A-13 (Arts & Sciences Admissions)
- Dept. Secy., A-13 (University Development)(2)
- Dept. Secy., A-13 (University Development)
- *Keypunch Operator, A-13 (Office of the Bursar)
- *Records Clerk, A-12 (Health Services)
- Library Asst. II, A-12 (Univ. Libraries, Olin)(2)
- *Account Clerk II, NP-9 (Finance & Business)
- Steno III, NP-9 (Vet Micro., J.A. Baker Inst.)
- *Library Asst. III, NP-8 (NYSSILR)
- *Admin. Secy., NP-8 (Director's Office, Geneva)
- Account Clerk I, NP-6 (Entomology)
- Transaction Clerk I, NP-6 (DCS-Medical Records)
- Steno II, NP-6 (Coop. Extension Admin.)
- Steno II, NP-6 (Nutritional Sciences)

SERVICE & MAINTENANCE

- Electrician (Maintenance & Svc. Ops.)
- Sr. Exp. Machinist, A-21 (Chemistry)
- Stock Supervisor, A-19 (Maint. & Svc. Ops.)
- Experimental Machinist, A-19 (LASSP)
- *Business Machine Mech. II, A-17 (Typewriter & Instrum. Repair)
- *Truck Driver, A-15 (Typewriter & Instrum. Repair)
- *Warehouse Worker, A-14 (Lab Nuclear Studies)
- *Custodian, A-13 (Residence Life)
- *Custodian, A-13 (Bldgs. & Grounds Care)(2)
- *Cashier I, A-11 (Campus Store)(2)
- *Laundry Worker II, A-12 (General Services-Laundry)
- *Jr. Lab. Tech., NP-6 (Vet Pathology)

TECHNICAL

- Synch. Oper. Tech., A-19 (LNS)(2)
- Computer Operator II, A-19 (Computer Services)
- Experimentalist II, NP-15 (Pomology & Viti. - Geneva)
- *Research Tech. III, NP-12 (Plant Pathology - Geneva)
- *Research Tech. III, NP-12 (Animal Science)
- *Research Tech. III, NP-12 (Animal Science)
- *Research Tech. III, NP-12 (Plant Pathology - Geneva)
- Res. Tech. III, NP-12 (Food Science & Tech. - Geneva)
- *Res. Tech. III, NP-12 (Vet Microbiology - L.I.)
- Res. Tech. III, NP-12 (Plant Pathology - Geneva)(2)
- *Lab Tech. II, NP-10 (Vet Microbiology)
- Lab. Tech. II, NP-11 (Veterinary Microbiology)
- Lab. Tech. I, NP-8 (Media Services)
- Lab. Tech. I, NP-8 (Division Nutritional Sciences)
- Tech. Aide Jr., NP-7 (Entomology - Geneva)
- *Jr. Lab. Tech., NP-6 (Pomology & Viticulture)
- Field Veterinarian, CPO7 (DCS-Mastitis Control, Canton)
- Systems Analyst III, CPO5 (LNS)
- *Res. Supp. Spec. II, CPO4 (LNS)
- *Comp. Tech. Admin. I, CPO4 (Computer Services)
- Broadcast Engr. II, CPO4 (ETV Ctr., Media Services)
- Research Supp. Spec. II, CPO4 (Agronomy)
- Research Supp. Spec. II, CPO4 (Avian & Aq. Animal Med.)
- *Res. Supp. Spec. I, CPO3 (Vet Physiology, Biochem. & Pharmacology)
- Asst. Mgr. - Rad. Safety, CPO3 (Life Safety & Rad. Safety)
- Res. Supp. Spec. CPO3 (Veterinary - Physical Biology)
- Res. Supp. Spec. I, CPO3 (Chemistry)
- Applications Programmer I, CPO3 (Physical Biology)
- Systems Programmer I, CPO3 (Computer Services)

ADMINISTRATIVE

- Director, University Relations, CPO9 (Public Affairs)
- Director, Design & Proj. Mgmt., CPO9 (Fac. & Bus. Ops.)
- Director, CPO9 (Computer Services)
- Chief, Plant Ops., CPO7 (Bldgs. & Prop., Geneva)
- Public Affairs Officer, CPO6 - Cornell Law School (Public Affairs)
- Publications Manager, CPO6 (NYSSILR)
- Assoc. Admin., CPO6 (Div. Nutritional Sciences)
- Dining Manager II, CPO5 (Dining Services)
- SDS III, CPO5 (Basic Studies - Engineering)
- *Res. Supp. Spec. II, CPO4 (Assoc. Editor)(U. Libraries)
- Catering Manager, CPO4 (Dining Services)
- Editor II, CPO4 (Media Services - Sea Grant)
- Admin. Manager I, CPO4 (Sociology)
- Exec. Staff Asst. II, CPO4 (Affirmative Action)
- Asst. Prod. Director (University Press)
- Health Associate I, CPO3 (U. Health Services)
- Extension Support Aide, CPO2 (Ag. Economics)
- *Extension Supp. Aide, CPO2 (Coop. Extension - Riverhead)
- *Ext. Supp. Aide, CPO2 (Coop. Extension - Brockport & Stonybrook)
- *Ext. Supp. Aide, CPO2 (Coop. Extension Admin.)
- *Ext. Supp. Aide, CPO2 (Coop. Extension, Stonybrook)
- Admin. Supervisor, CPO1 (Conference Office)
- *Asst. Editor (Cornell Univ. Press)

PART-TIME & TEMPORARY

- Temp. Svc. Clerical (Cornell Glee Club, perm. pt)
- Temp. Svc. Clerical (Geological Sciences, temp. pt)
- *Library Asst. III, A-15 (Univ. Libraries, Olin, perm. pt)
- Admin. Secy., A-15 (Int'l Student Office, perm. pt)
- *Admin. Secy., A-15 (Africana Studies & Res. Ctr., perm. pt)
- Library Asst. III, A-15 (U. Libraries, Olin, temp. pt)(2)
- Sr. Account Clerk, A-13 (C.U. Press, perm. pt)
- Library Searcher I, A-13 (U. Libraries, Olin, perm. pt)
- Library Asst. II, A-12 (U. Libraries, perm. pt)
- Admin. Secy., NP-8 (NYSSILR, temp. ft)
- *Clerk III, NP-7 (NYSSILR, temp. ft)
- Steno II, NP-6 (Div. Nutritional Sciences, perm. pt)
- Steno I, NP-5 (Ag. Economics, temp. ft)
- Clerk Typist, NP-3 (Film Library, Media Svcs., perm. pt)

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Thursday, March 16, 1978

Campus Council Approves Budgets for Campus Life

The Campus Council approved budget requests Tuesday night for new and continuing programs in five departments within the Division of Campus Life, including the Department of Residence Life, Student Life and Activities committee, Cornell United Religious Work, Office of Transportation Services and University Unions.

A total of \$21,800 was allocated for new and some continuing programs. For the most part, the council's approval reflected the recommendations of campus life committees, with only a minor shift in funds.

New program funds approved by the council include \$3,000 for a programming assistant for graduate students, \$950 for an off-campus legal aid program, \$1,344 for Dialogue on Thought (a weekend retreat program for students and faculty), \$4,395 for a Noyes Center browsing library, \$800 for the installation of a color photographic darkroom and \$150 for upgrading the off-campus housing bulletin board in Day Hall.

The proposed color darkroom would be the first color photographic facility on campus accessible to all students, according to Ronald N. Loomis, director of University Unions. Other color facilities are part of academic departments to be used only by students and personnel in those departments, he said.

Funding was also approved for the continuation of the evening Blue Light bus service, the Interreligious International Ministry Program Funds and three staff positions: residence director in Sperry Hall, coordinator and assistant coordinator for CIVITAS, a volunteer place-

ment service for students.

The interreligious program "brings into interface the world ideologies and world religions through the course 'America and the World Community' " according to W. Jack Lewis, director of Cornell United Religious Work.

The council's budget recommendations must be approved by William D. Gurowitz, vice president for campus affairs, before they are submitted for final approval by the University Board of Trustees in May.

Gurowitz, who was present at Tuesday night's meeting, said he expects to have a report com-

pleted for the next council meeting March 28. "At this point, I see no problems with the council's recommendations, and my hope is that I can go along with them," he said.

In other business, the Codes and Judicial Committee submitted a revised University photograph policy which spells out procedures for when photos may be taken, and places responsibility for the custody of film, videotapes or prints with the Judicial Administrator, rather than the Department of Public Safety. The council will discuss the policy at it's next meeting.

Public Can 'Dig' Israel Archaeology

Cornell University will be co-sponsoring an archaeological excavation at Tel Aphek-Antipatris in Israel this summer with Tel Aviv University and Allegheny College. The program is being offered as a six-credit course through Cornell's Division of Summer Session and Extramural Courses.

David I. Owen, chairman of Cornell's Department of Near Eastern Studies, will lead the field excavation course, which is open to all students and members of the Ithaca community. The five-week course will run from June 25 to Aug. 1.

Owen took a number of students to the site last summer, but this year will be the first time Cornell acts as official co-sponsor of the project. Owen will be the epigraphist for the project, responsible for deciphering all

inscriptions and documents found.

Aphek-Antipatris is considered one of the most historically important sites in Israel, according to Owen. He described the site as a "layer cake of cities" whose earliest level is around 3,000 B.C.

"The discoveries of the site have been dramatic and include remains from the Early Bronze Age, the Late Bronze Age—with its Egyptian governor's residence, Egyptian hieroglyphics and Sumerian, Babylonian and Canaanite cuneiform inscriptions and Mycenaean imports, Philistine pottery and extensive remains of the Israelite period. In addition, excavations of the Herodian town of Antipatris have revealed significant materials of the Roman period," Owen said.

Moshe Kochavi, head of the Tel Aphek excavation since 1972 and director of the Institute of Archaeology at Tel Aviv University, recently spoke at Cornell on the history of the biblical site.

The primary purpose of the course, Owen said, is to introduce students to a variety of archaeological methods and materials. In addition to working on the site five days a week, students will attend lectures and be required to keep a daily archaeological log book.

The program incorporates 120 summer volunteers and students as laborers, drawing people from all over the world. "The fact that you're living and working with such a diverse, international group is in itself a unique educational experience," said Owen.

Living facilities at the site are excellent, he said, and its location offers a number of amenities: "The site is located in the suburbs of Tel Aviv, and it's very easy to get around. You can hop on the train, which runs nearby, and be in downtown Jerusalem or take a bus and be at the beach in Tel Aviv in 20 minutes."

The cost for the course is \$800 which covers living and food expenses plus two weekend field trips. Air fare is not included. Those interested should contact Owen in 164 Rockefeller Hall, 256-4959 or the summer session office, 105 Day Hall, 256-4987.



Wearing of The Green

Once again last Friday the architects did it up green around campus as they performed their annual St. Patrick's routine a week early. Among those campus features which received a new coat of paint was the statue of Andrew Dickson White on the Arts Quadrangle. The Department of Maintenance and Service Operations reports that the bill to clean up after last year's green painting came to a total of \$377.48.

Travelers Urged To Take TB Test

Dr. Allyn B. Ley, director of the Gannett Medical Clinic, has recommended that all Cornell personnel planning to spend two months or more in underdeveloped countries in Asia, Africa and Latin America receive a skin test for tuberculosis before departure, in addition to other immunization procedures.

The skin test should be repeated as soon as possible after return.

Ley said skin testing will be done at the clinic for a nominal charge to cover expenses.

The recommendation was made after the clinic discovered that a faculty member, who had spent a few months in field study in Indonesia, developed a new and active tuberculosis infection.

Ley said the faculty member is now receiving appropriate and effective treatment.

"Tuberculosis is no longer a serious problem in developed countries, including the United States, but it still has a high prevalence in underdeveloped countries," Ley said.

"As the case cited above illustrates, there is a small but significant risk to our students, faculty and other personnel who may spend significant periods of time in underdeveloped countries. Although, for a variety of reasons, the administration of a vaccine against tuberculosis is not appropriate, a method of closer surveillance among selected individuals does seem indicated," he said.

Professors-at-Large To Give Lectures

Three Andrew D. White Professors-at-Large will be arriving on campus the week of March 26 for extended visits.

One, A.E. Ringwood, geochemist with the Research School of Earth Sciences, Australian National University, will give a public lecture at 4:30 p.m. Wednesday, March 29, in B-11 Kimball Hall on the topic "Origin of the Earth and Moon."

In addition to Ringwood, the other professors-at-large arriving that week are the sociologist Louis Guttman and philosopher Saul Kripke. They both will be giving lectures in early April, time and place to be announced later. It is known, however, that Guttman will discuss "The Climate of Public Opinion in Israel."

He is scientific director of the Israel Institute of Applied Social Research, and professor of soci-

ology and psychology at Hebrew University in Jerusalem.

Kripke, who is currently at All Souls College, Oxford, was described in a New York Times Magazine article last year as a "cult figure in philosophical circles" and "the budding genius in world analytic philosophy."

Created in 1965, the Andrew D. White Professors-at-Large Program has supplemented Cornell's academic resources by enlisting distinguished scholars and scientists who become full members of the faculty while retaining affiliation with their home institutions. During their visits at Cornell, Andrew D. White Professors give specialized seminars and lectures, consult informally with students and faculty and usually give at least one public lecture of general interest.

Graduate Management Aptitude Test

Saturday, March 18, 1978
8:30 A.M.

All Exams will be in Statler:

BALAZS-RAVINOWICH Statler 434-7
REPISO-YOUNG Statler 438

Support Increases For NYS Sea Grant

The New York Sea Grant Institute, operated by Cornell and the State University of New York, has been awarded \$1.4 million by the National Oceanographic and Atmospheric Administration to conduct research, education and extension programs on the Great Lakes and marine environment.

The funding, 16 percent more than the institute received from NOAA last year, will support more than 50 projects designed to help groups that use New York State's water resources.

Under the program, Cornell's Department of Food Sciences is developing and test marketing new foods using previously wasted fin and shellfish. Investigators at the New York State Agricultural Experiment Station in Geneva are continuing research on extracting an enzyme system from clams that might be used to remove dental plaque, as a declogging agent for filters used in beer brewing and as an anti-leukemia treatment.

About one-third of the budget is earmarked for extension activities aimed at bringing scientific expertise to those who use New York's coasts and conveying users' concerns to the research community.



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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 must be typed, double space, no more than 600 words in length. The Chronicle must adhere to this limit because of space and financial restrictions. The deadline is Monday noon. Letters addressed to someone other than the editor, personal attacks against individuals or unsigned letters will not be printed.

Acetylene User Shares Advice

Editor:

Two recent unfortunate occurrences in our laboratories seem worth recounting to those using acetylene as a fuel in atomic absorption work. In both cases acetone from the acetylene cylinders got into the instruments and damaged the fuel control systems.

When an acetylene-air flame was being used there were no further consequences. When nitrous oxide was being used as the oxidant, there was a substantial explosion which shattered the spray chamber (and the operator's nerves). Instrument repairs will be costly; the spray operator (your correspondent) is recovering.

In the first incident the cause was too much acetone in a new acetylene tank; in the second we are unsure whether the cause was the same or whether it was because tank pressure was allowed to drop too low during use. The explosion occurred just after a new tank was put in use; the previous tank's pressure had dropped to around thirty pounds.

This is the first time acetone has been a problem in fifteen years of AA work in our laboratories. Two different suppliers of acetylene were involved (Linde (Ames Welding) and Airco (General Stores)). The incidents occurred within two weeks of each other which may indicate some procedural changes by the sup-

plier or the effect of cold weather storage or some unknown factor.

To prevent future problems we have installed an absorbent filter immediately downstream from the tank pressure regulator. To test a new tank for excessive acetone the tank may be turned on for a second or two before installing the pressure regulator. This creates a flame hazard and should be done in well ventilated spaces away from sparks or flames. The wrench supplied for Linde tanks makes it easier to perform this operation rapidly.

Thomas Greweling
Agronomy Department

Help Asked in Combating Crises

The director of Cornell University's Mental Health Section has called on members of the campus community to "aid us in combating loneliness and isolation, the major precursors of clinical depression on campus."

William C. White Jr. said a "sustained, active interest in others within our community will prevent characterization of Cornell as another cold, impersonal campus, fertile for the growth of crises."

Here is the complete text of a statement issued by White:

"During the past few years, mental health centers in universities across the nation have experienced a significant increase in students reaching out for psychological attention (See 'Mental Health Centers Booming as Campus Competition Rises,' by Gene Maeroff, New York Times, Feb. 27, 1978). Cornell is no exception. During the past three years our Mental Health Section has noted a 35 percent increase in students using psychological services for many of the same reasons Maeroff has summarized in his article.

"Of particular concern is the alarming increase in the national suicide rate among young people from 16 to 24 years of age. As a result of three suicides during the past semester, most of us have confronted ourselves and others with the question—Why did Cornell experience such a series of tragic events this past fall?

"Many replies have been aired, both privately and publicly, during the past several weeks as a result of this question. Such a response is understandable in light of the inordinate pain and suffering rendered all of us during these few weeks. I am, indeed, proud to be part of a community that has chosen to respond in such a fashion.

"The time has come, however, for us to recognize that our desire to respond to a crisis is our most potent defense against further crises. The form that such a response takes, however, is often dependent upon the initial questions with which we are confronted. Let me suggest that the critical question is not, 'Why has Cornell experienced so many suicides?', but 'What can be done to avert future suicides?'

"To this end, let me share some facts with you. First, with

rare exception, recent suicides have been committed by students unknown to the Mental Health Clinic. Second, the majority of these suicides have involved jumping from gorge bridges. Third, evidence of clinical depression or abrupt changes in behavior has been noted prior to the actual incident in an alarming percentage of cases.

"These are facts that can be responded to directly. I outline them primarily because they can be dealt with more effectively by the community at large. Most of us live in close physical proximity to one another, and are astute observers. It is therefore most important that each of us use our capacity to inquire of each other, because early detection will always be the key to prevention. The benefits associated with such an active, concerned role orientation are mutual and obvious.

"Admittedly, over-reaction represents a potential source of difficulty with such a community-wide attempt at prevention, yet most campus support services welcome anyone who comes by to take 'psychological inventory' either on himself or someone for whom he has concern. Such action is not only preventive, but often serves to illuminate causative factors by bringing to the attention of those best prepared to intervene relevant events which precipitate crisis and ultimate suicide. Without such input, the most sophisticated therapist is significantly handicapped.

"Many causative factors have been suggested to explain why these suicides occurred in such close proximity and with such frequency. Academic, parental and economic pressure, our unique topography and weather, and the sensationalism of the press are but a few of the more salient factors currently being probed by a task force there at Cornell. We are presently conducting psychological autopsies in search of reasons for the aberrant events that transpired during October and November, 1977.

"Discussions with other universities suffering comparable increases in life-threatening crises are also continuing. New interdisciplinary crisis intervention

programs are being planned and formulated now. The fact that the present term has been one of the least eventful for both the Suicide Prevention and Crisis Intervention Service and the Mental Health Clinic has not lulled us into thinking that a comparable series of events could not recur.

"In the final analysis, however, the psychosocial atmosphere among Cornellians will be the major factor that will curtail suicide. I would therefore urge every member of the Cornell community, especially those who are in daily contact with students under considerable pressure, to aid us in combating loneliness and isolation, the major precursors of clinical depression on campus.

Dumpsters No Substitute For the Dump

The Dempsey Dumpster containers at Cornell University are filling up far too fast, and it appears that a recurring crime is the cause.

The Dumpsters are those trash containers which are in place behind many University buildings and which are dumped periodically by machinery on specially equipped trucks.

The reason they are filling too rapidly, according to Captain James Cunningham of the Department of Public Safety, is that many Cornell people are bringing their personal garbage to work or to class with them and dumping it into the containers.

"We have had cases reported where people literally emptied a car trunk full of garbage into the containers," he said.

Cunningham said this represents a theft of services and that Public Safety people are going to keep a close watch on this from now on.

"As these containers fill," he said, "they have to be dumped more often, and the costs go up. Cornell is paying these costs, and others are making use of the service." Public Safety people will refer persons who are making unauthorized use of the containers to proper authorities, he said.

Group Calls Forum On Bakke Decision

The Ad Hoc Committee on the Bakke Case, representing 16 organizations and individuals of the "Cornell and Ithaca Minority Communities," will hold a campus forum calling for a reversal in the alleged discrimination case now before the U.S. Supreme Court on April 8 from 2 to 6 p.m. in the Memorial Room of Willard Straight Hall.

Activities at the forum will be in an effort to enlist people for buses going to Washington, D.C. for an April 15 march, according to a prepared statement released by the ad hoc committee at a Monday morning news conference at the Africana Studies and Research Center.

A nationwide march on Washington on April 15 is planned "to voice support for a reversal of the Bakke decision by the Supreme Court," the committee's statement said.

On April 8, the committee plans to sponsor seminars and discussion groups, as well as

"prominent and noteworthy representatives to speak on the case."

In its statement, the committee said:

"Blacks, Hispanics, Native Americans and minorities of this nation understand the Bakke decision will directly attack the hard-won gains acquired by the efforts, struggles and blood of the Civil Rights Movement in the 1960's. These groups in no way can see that white America now gets less than a fair share of the American pie due to Affirmative Actions programs. In fact, they hold, white America traditionally has had more than a fair allotment of this pie. Thus, terminology referring to 'reverse discrimination' is unfounded and amounts to a catchy misnomer. There can be no reverse discrimination from minorities to whites."

According to the statement, "In 1974, Alan Bakke filed charges against the University of California at Davis for violation of the equal protection clause of the 14th Amendment. He argued that Affirmative Action programs admitting Minorities constituted 'reverse discrimination' against white people. Bakke believed the 16 places reserved for minorities (some of whom had lower test scores than himself), kept him from securing a place among the total 100 openings in the Medical School. After litigations in the lower courts, the California Supreme Court heard the case and ruled in favor of Mr. Bakke. The University of California then took the case to the United States Supreme Court, where arguments were heard on Oct. 12, 1977. The decision is pending."

Job Opportunities

Continued from Page 2

Temp. Svc. Labor (Neurobiology & Beh., temp. pt)
Cook I, A-15 (Residence Life, temp. ft)
Sr. Data Clerk, A-13 (Univ. Unions, perm. pt)
Janitor, NP-6 (Coop. Extension, NYC, perm. pt)
Program Aide, NP-5 (Hu. Dev. & Fam. Studies, perm. pt)
Lab. Asst. III, NP-5 (Nutritional Sciences, perm. pt)
Research Aide I, A-14 (Psychology, temp. ft)
Research Tech. III, NP-12 (Ag. Engineering, pt)
Res. Supp. Spec. III, CPO5 (NYSSILR, temp. ft)
Pharmacist, CPO5 (Health Services, temp. pt)
Syst. Programmer III, CPO5 (Computer Services, temp.)
*Staff Writer II, CPO4 (NYSSILR, temp. ft)
Syst. Programmer II, CPO4 (Computer Services, temp.)
*Syst. Programmer, CPO3 (NYSSILR, temp. ft)
*Extension Supp. Aide, CPO2 (Comm. Svc. Educ., temp. pt)
Temp. Svc. Prof. (Conference Office, temp.)
Regional Director, CPO4 (U. Development - Cleveland, pt)
Appl. Programmer I, CPO3 (Computer Svcs, temp. pt)
Syst. Programmer I, CPO3 (Computer Svcs., temp.)
Appl. Programmer I, CPO3 (Computer Svcs., temp. pt)
ACADEMIC & FACULTY POSITIONS (Contact Department Chairperson)
*Extension Associate I, CPO3 (Animal Science)
*Faculty Position - Theriogenology (Dept. Clinical Svcs.)
*Extension Assoc. IV (Dept. Vegetable Crops)
*Lecturer (Dept. of Education)
Research Associate I, CPO3 (CRSR)
Asst. Prof., Lecturer, Sr. Lecturer (School Hotel Admin.)
Asst. Prof. (School of Hotel Administration)
Sr. Research Assoc. I, CPO7 (Avian & Aq. Animal Med.)
Research Associate IV., CPO6 (Vet Microbiology)
Asst. Professor (Dept. of Poultry Science)
COOPERATIVE EXTENSION (Contact 212 Roberts Hall)
Sr. Extension Associate (Regional Floriculture, Horticulture Specialist)(Location to be determined) -30



Museum Displays Roby Collection

Twentieth century art from the Sara Roby Foundation Collection will be on display at Cornell University's Herbert F. Johnson Museum of Art from March 14 to June 4. Among the 16 artists represented will be Charles Burchfield, Edward Hopper, Gaston Lachaise, Louise Nevelson and Charles Sheeler.

Under the auspices of the American Federation of Arts, the foundation has circulated exhibitions from its collections for more than a decade to museums throughout the country and abroad.

This selection inaugurates a new program of longer term loans to university museums. The museum directors choose the

works best suited for their educational purposes as well as for public display.

Roby, an artist, established the foundation primarily to foster creativity and public understanding of art in society. She and her fellow directors believe that this goal is best achieved by collecting and continuously circulating outstanding American paintings, sculpture, watercolors and drawings. Most of the works acquired have been by living artists with many differing viewpoints and styles.

Museum hours are Tuesday through Saturday, 10 a.m. to 5 p.m.; Sunday, 11 a.m. to 5 p.m.; open Wednesdays until 9 p.m.

Schola Cantorum To Sing in Sage

The Schola Cantorum of Aachen, Germany will be singing at 8 p.m. Monday, March 20, in the Sage Chapel at Cornell University. Sponsored by the Cornell Glee Club, the concert will feature sacred music from the Renaissance, including works by Josquin, Monteverdi and Palestrina.

The members of the Schola Cantorum have been singing together for more than 25 years and have toured extensively throughout Europe. The group is also known in Europe for its numerous records and television appearances. This concert will be

its first in the United States.

Each of the men began as a choir boy in the Cathedral of Aachen. As their voices began to change, they formed the present group so that they could continue to sing together. The group has a repertoire of more than 70 masses and 400 motets.

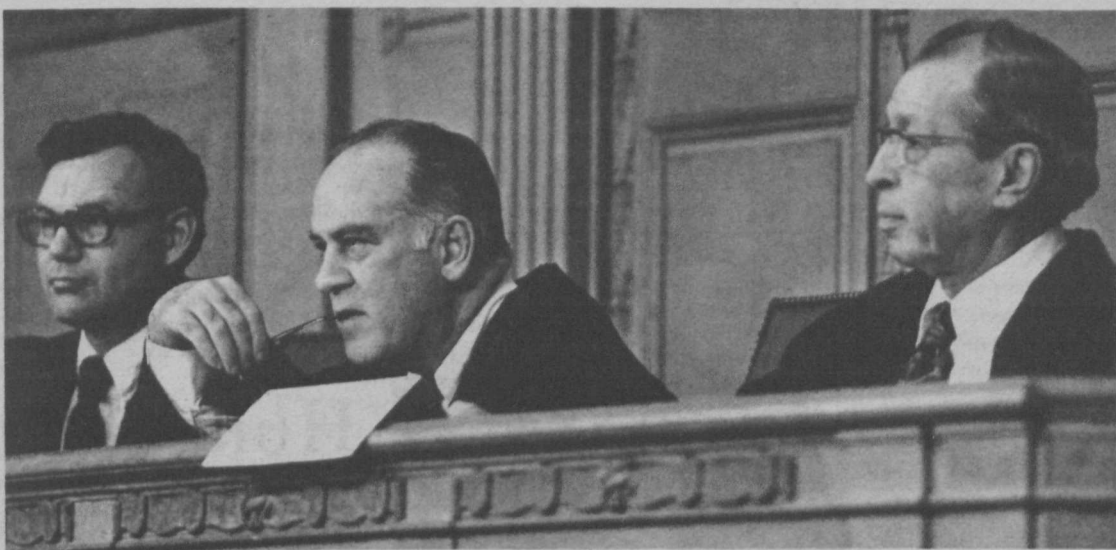
Tickets for the performance may be purchased at the Willard Straight Hall Ticket Office, the Lincoln Box Office, Mayer's, Hickey's and at the door the evening of the performance. The price is \$3 for general admission, and \$2 for students.

Baseball Opens at UC

Coach Ted Thoren will take Cornell's varsity baseball team this morning aboard a plane for California, where the Big Red will open its season tomorrow at the University of California at Berkeley. The following day, Cornell will play a doubleheader at San Francisco State, with a twin bill listed with the University of California-Hayward on Sunday. The Ivy League champions will then participate in the Spartan Classic at San Jose State Monday through Saturday. Other

teams in the tournament are Washington, San Francisco, Brigham Young, Oregon, Portland and San Jose State.

The Red, 24-7 during the regular season last year, has had to do all its practicing in Bacon Cage so far in 1978. "We've been at it since February," said coach Thoren, "but now it's time to get outside. We know that we will be behind the Western schools, but we have been other years too. We'll try to do our best and hope for the best."



Moot Court Competition Draws Crowd

U.S. Supreme Court Justice Potter Stewart, center, along with Clement Haynsworth, chief judge of the U.S. Court of Appeals, Fourth Circuit, at right, and Roger C. Cramton, dean of the Law School, judge the Cornell finals last Friday in the Sutherland Cup Moot Court Competition, before a capacity audience in the Moot Court Room of Myron Taylor Hall. The winners of the competition, held for second year law students, were Michael L. Roy and David R. Schmahmann. The students argued an hypothetical appellate case and were questioned intensively by the panel of judges.



Chapel Services During Recess

Even though Palm Sunday, Holy Week and Easter Sunday fall within the period of spring recess at Cornell University, special Sage Chapel services will be held on campus for those members of the Cornell community who remain in the area.

The Episcopal Church at Cornell will hold an Easter service at 11 a.m. Sunday, March 26, in Sage Chapel, in the place of the regular Sage Chapel convocation. Gurdon Brewster, University Episcopalian chaplain, will deliver the sermon and celebrate the Holy Communion.

At the same hour, the Cornell Catholic community will be holding a special Easter mass in Statler Auditorium. The three University Catholic chaplains, Mary Lee Bishop, John Robbins, and James Connolly will lead the service.

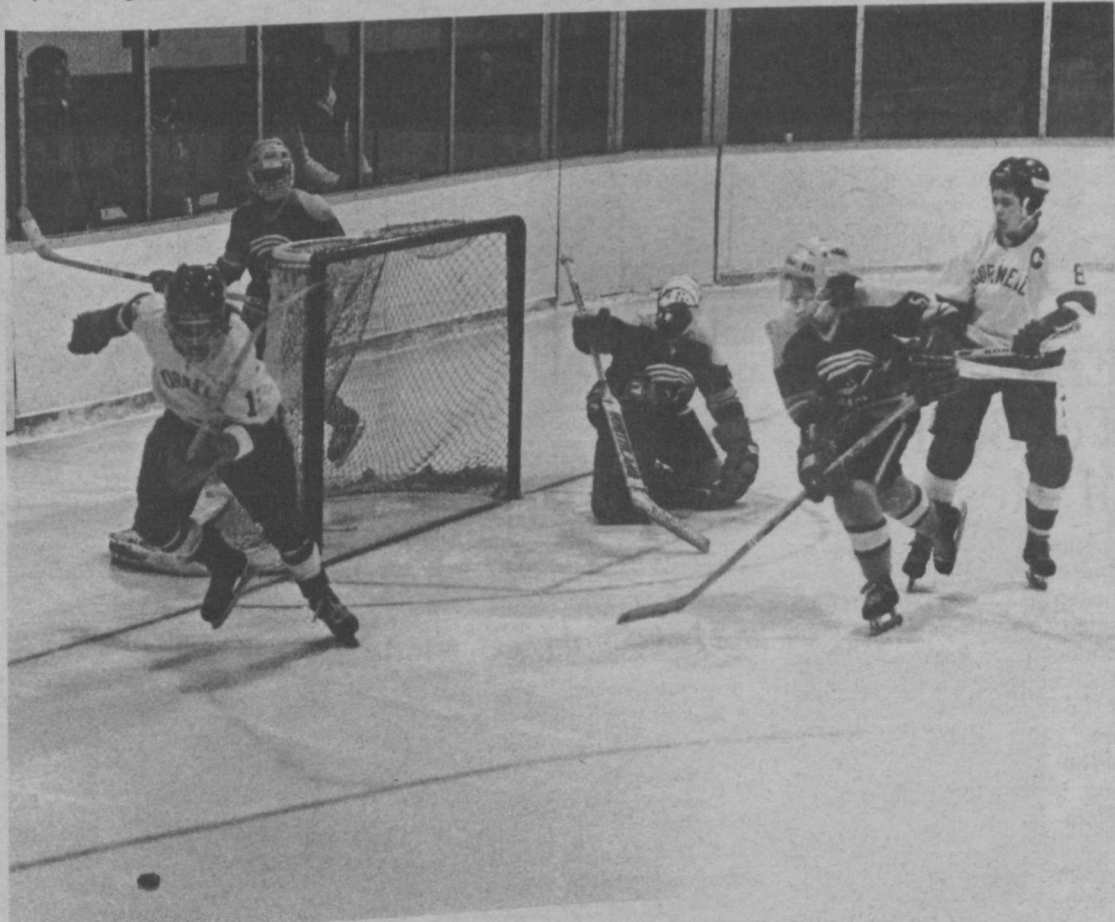
The Protestant Church at Cornell, newly formed last September, will not be holding services during the recess. However, the traditional Easter Dawn Service, sponsored for many years by the Wesley Foundation at Cornell, in cooperation with St. Paul's United Methodist Church, will be held this year at 7:30 a.m. Sun-



day, place to be announced. The service will be under the leadership of Nelson Reppert, University United Methodist chaplain.

The Friend's Meeting will be held as usual at 10 a.m. Sunday in Anabel Taylor Hall.

The next regular Sage Chapel Convocation will be held April 2.



Women's Hockey Team Finishes 17-2

In action last Friday night in the season's finale, the Cornell Women's Hockey Team defeated the Ithaca Shooting Stars 3-1. Enroute to the season's 17-2 record, the team won the Ivy League championship.

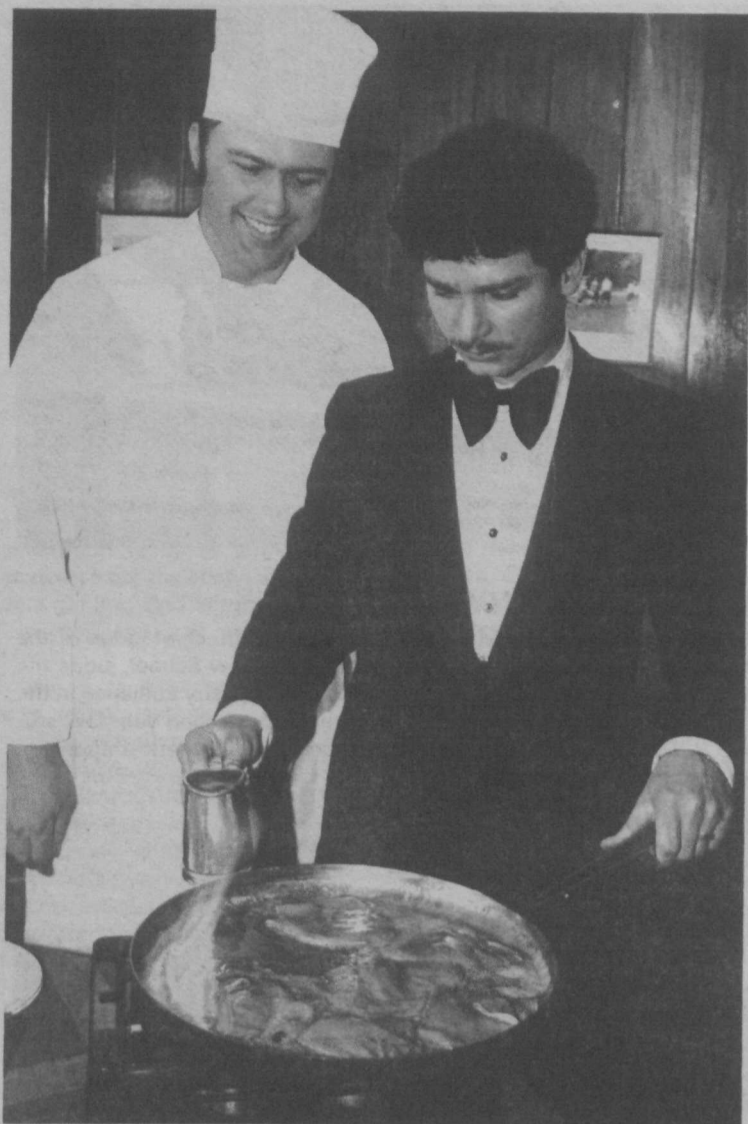
Varsity Records Listed

According to the final statistics, Cornell University's 15 winter varsity sports teams produced a successful overall record during the 1977-78 season.

The overall men's-women's varsity record was 98 wins, 67 losses and one tie for a .594 winning percentage. The seven men's sports showed a 51-43 mark and a .542 winning percentage. The eight women's sports surpassed that, though, with a 47-24-0 record and a .662 winning percentage.

The men's record in freshman and junior varsity competition was 19-11-0, resulting in a winning percentage of .633 and ran the complete winter record for men and women to 117-78-1 for a winning percentage of .595.

Cornell also had winning records in Ivy competition on both the men's and women's side. The men showed a log of 24 wins and 14 losses for a .558 percentage while the women were 5-2 in Ivy play for a .714 mark.



Practicing what they preach, Joseph F. Durocher, left, and Raymond J. Goodman Jr. prepare flaming crepes Suzette with the techniques they have devised to make the art accessible to almost anyone. Doctoral candidates and instructors in the School of Hotel Administration, they have written a book, "The Essentials of Tableside Cookery," to be published later this spring.

Book Trains Cooks In Instant Gourmet

Everyone knows about instant food and fast food. But now researchers at the School of Hotel Administration have come up with an instant gourmet cook, capable of whipping up flaming crepes Suzette at tableside, acceptable in any of the world's most elegant restaurants.

Raymond J. Goodman Jr. and Joseph F. Durocher have developed techniques they claim can transform the most inexperienced cook into a practitioner of the fine art of flambe and tableside cookery.

Authors of an upcoming book on the subject, they say, somewhat facetiously, that it has passed the acid test already:

"If freshman students can do it with the fine results they've been getting, anybody can."

What Durocher and Goodman have done is to break down each detail of tableside cookery into comprehensible steps that any novice can follow and still get the same results as an experienced chef. They have taken the mystery out of tableside cookery and made the art accessible to nearly everyone.

Why? Because the Hotel School is a school of management and the simplified method of tableside cookery could provide restaurant owners with a new dimension in their restaurant that might help it to survive in an increasingly competitive industry.

The book, "The Essentials of Tableside Cookery," is being published by the Cornell Hotel Restaurant Administration Quarterly, this spring. As a result of subsidies from various firms, the 80-page book with more than 14 color pictures will be available at \$3.50 a copy.

It is printed in magazine style and is aimed at the restaurant industry. However, there are

those who have seen it who feel it could become a best-seller with the public. The more than 40 recipes are designed with portions for two. With the rapid cooking—no dish takes more than five minutes—and the flamboyant presentation, the possibilities need little elucidation, particularly for the young man about town.

The book is serious business, though, as can be seen in its table of contents: pricing your menu, cost calculation, staffing requirements, equipment and managerial factors. Goodman and Durocher are doctoral candidates in the Hotel School while serving on its instructional staff.

The key to their method is standardized recipes and preparation done before the actual cooking performance. The contents of the dish are precisely measured and laid out in the exact order they are placed in the skillet. They leave nothing to guesswork or the intuitive whim of the experienced cook.

How it will all come out, the future can only tell. Just imagine having flaming crepes Suzette prepared at the side of your car at a drive-in.

Goodman and Durocher have devoted an entire chapter to analyzing whether tableside cookery would be an advantage or detriment for a particular restaurant business.



Trustees to Elect Chairman

Election of a new chairman will be a major agenda item for the Board of Trustees at its meeting on campus this week.

The term of Robert W. Purcell, the incumbent chairman, expires July 1. Purcell has announced his intention not to seek re-election to the chairmanship.

The March trustee meetings open with a Building and Properties Committee meeting Thursday followed by other committee meetings and one and one-half days of full board meetings.

Much of the trustees' time will be spent receiving a variety of

reports. University President Frank Rhodes will report on the state of the University and Chancellor Dale R. Corson has completed his comprehensive report on the status of the University and of higher education as viewed from his perspective of 14 years of service to Cornell as provost and president.

University Provost David C. Knapp will introduce a discussion of undergraduate admissions and will moderate a panel discussion of innovations in teaching in the History Department. There will be reports dealing with the University's relationship with the State of New York and the State University of New York. Other reports will be on the status of The Cornell Campaign, the Third Century Fund Campaign at The New York Hospital-Cornell Medical Center, from the advisory council of the College of Engineering, and a followup report on the recommendations of the Trustee Ad Hoc Committee on Capital Financing (the Weiss Committee).

Financial matters on the agenda include a report on the status of the University's capital funds, action on a policy of crediting Third Century Program gifts, a proposed amendment to the tuition and fee refund policy, and the availability of a prepayment plan for tuition, dining and housing charges.

The trustees will be asked to request a direct annual state appropriation for support of the Water Resources Research Institute, and for authorization to introduce legislation regarding the annual state appropriation support formula for county extension service associations.

A number of personnel items and facilities matters also will be presented.

Hungarian Economy Is Course Topic

An economist from behind the "Iron Curtain" will teach a course this spring at Cornell University's Graduate School of Business and Public Administration.

Lajos Zelko, associate professor of economics at Karl Marx University in Budapest, Hungary, will give the course on "Planning in a Socialist Economy," according to an announcement by H. Justin Davidson, dean of the B&PA School.

Davidson said he believes "the course is an important step in a dialogue leading to a better understanding of the world's opposing economic systems, a dialogue based on information concerning day-to-day application rather than on political and ideological rhetoric."

Scheduled to start March 27,

the course will focus on the Hungarian economy with Zelko discussing its institutional structure, planning and allocation of resources, and the role of the socialist business firm. He will also compare the Hungarian and U.S. economic systems.

Zelko has traveled widely in socialist countries and has spent several years in the United States as a member of the Hungarian mission to the United Nations and as a Ford Foundation Fellow at New York University.

He has concentrated his studies on the role of business firms in a socialist economy and has been chiefly concerned with fiscal policy and international economics.

ILR Investigates Ethnic Joblessness

Many problems beset New York City's massive Puerto Rican community, but probably none more than lack of employment.

Lois S. Gray, associate dean and director of extension of the New York State School of Industrial and Labor Relations at Cornell University, is now investigating the problem with the help of a grant through the U.S. Department of Labor.

Gray's objective in the study is to develop recommendations to "public and private organizational policies and programs which will facilitate economic mobility for Puerto Ricans, the ethnic group with the lowest reported family income in New York City," she said.

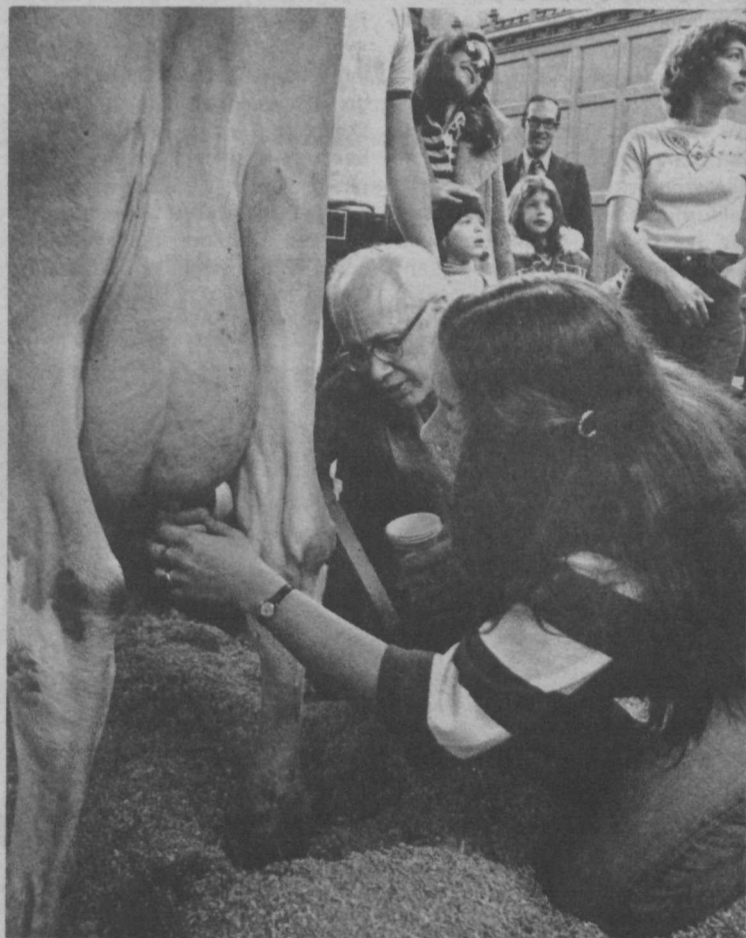
In analyzing barriers to employment and upward mobility of Puerto Ricans, Gray will concentrate on three areas:

- adaptation of employers to the language and culture of Puerto Ricans;
- degree of overt discrimination, and
- relative weakness of the Puerto Rican community and political organizations.

Employees To Be Part of Research

Approximately 100 Cornell employees who have been chosen at random will be contacted to participate in a study conducted by Professor Charles McClintock from the Department of Community Service Education.

The study seeks to understand factors that influence the nature of individuals' work in organizations. Individuals who are selected will be contacted by a trained interviewer and participation is voluntary. Information will be treated with strict confidentiality and will be used for statistical purposes only.



'Here's How to Milk a Cow'

In keeping with Cornell University's Land Grant commitment to liberal and practical education, Evelyn Hurvitz, a sophomore in the Arts College, receives a little practical advice on the technique of milking a cow from W. Keith Kennedy, dean of the New York State College of Agriculture and Life Sciences. The occasion was the celebration of Agriculture Day '78 in Willard Straight Hall last Monday, part of a nationwide recognition of agriculture. Dean Kennedy confessed that it was the first time he had milked a cow in nearly 40 years. "I guess it is like riding a bicycle, once you do it you never forget," he said. More than 5,000 persons strolled through the exhibits from 8 a.m. to 4 p.m. Some 300 pounds of free baked potatoes with butter were distributed, along with hundreds of small cartons of milk, apples and popcorn.

The Cornell Daily Sun

"Ithaca's Only Morning Newspaper"

The Cornell Daily Sun went to press for the first time on Sept. 16, 1880, and was printed by Andrus and Church of 41 East State St. For 3 cents you could buy eight pages of the 9-by-12-inch format which was set three columns wide and usually carried advertising on page one column one.

Readers got their three cents worth in those days in such spicy ads as, "B. Mintz, dealer in new and second-hand clothing. The highest prices paid for Gentlemen's cast-off clothing..." Or the one from Dr. E.J. Morgan which among other things proclaimed, "...piles cured permanently."

Column two, page one of the first issue said, "Without any apology for our appearance, we make our bow to the college world and especially to that part of it in which Cornell, her students, friends and alumni are most interested." There was some mention of the impending return of Andy White, perhaps by next term, but this was less visible on the printed page than the cigarette ad which must have supplied considerable revenue to the Sun over those early days. "Beware of Imitations and Counterfeits. Kinney Brothers Cigarettes."

But from the first day all the way up

to the present, the Sun has been staffed solely by students and has always remained totally independent.

When the Ithaca Journal went from letterpress to offset, so did the Cornell Sun. This is because the Sun is run through the Journal's presses. When the Journal went to computer typesetting, shortly thereafter, so did the Cornell Sun. These advances in technology have made it possible for the Sun now to prepare all its own "flats," so that the pages are "camera-ready" when they reach the Journal. This imposes an even more strenuous day in the lives of the students who

serve the Sun by burning the midnight oil as ever it was done in years past. But as in years past, whenever things get too tense, someone shouts, "Let's get a beer" and the composing room becomes a wasteland for a brief time of unwinding.

The students who run the Sun have ever been a dedicated lot. They give it their best shot and "Calls 'em as they sees 'em." They haven't always seen 'em the same way some people in Day Hall see 'em either, and perhaps that is for the good. A gadfly keeps the horse awake.

Russ Hamilton



News room and editorial offices of the Cornell Sun, 10:15 p.m.



Stuart Berman, Managing Editor, would NEVER trust a smiling cat.



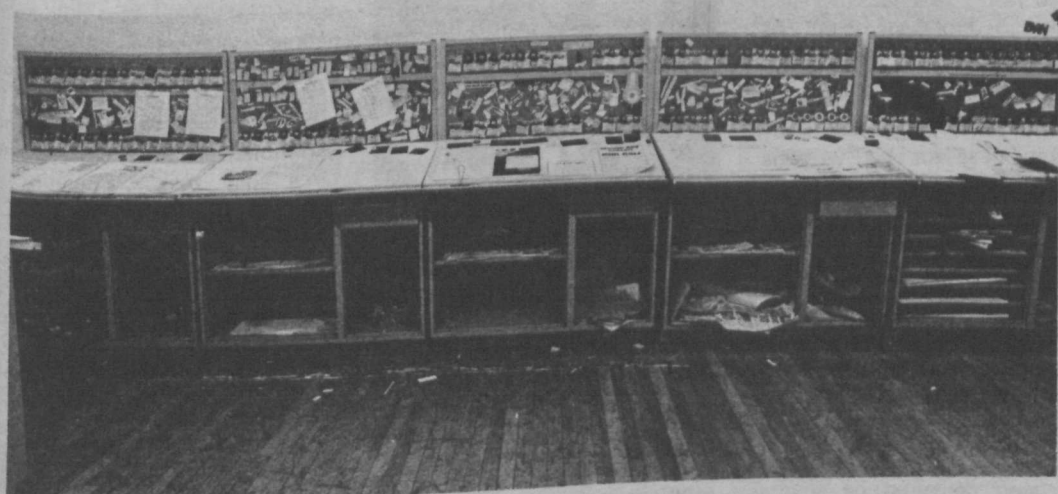
Liz Werner, one of the Sun's crack photographers, checks her negatives.



"Teddy," mascot and dog-about-town helps keep the floors clean.



Vivian Tom, proofreader, checks over one of the flats.



The composing and makeup room, deadline minus 2 hours ... all hands abandon ship for a beer break.

DAYBOOK

Quotation of the Day

"A gadfly keeps the horse awake." — Russ Hamilton speaking of the Cornell Sun.

Bulletin of the Faculty

The regular monthly meeting of the FCR, shy by six of a quorum, was called to order by Speaker Peter Stein, who called on the dean for his report.

Dean Saunders had but a few items. There have been inquiries, he said, as to where, after two non-meetings, we stand on our governance. The Executive Committee, wishing to get things moving, thought to put the matter to the FCR at its April meeting, thinking that if the FCR could support proposed changes, there might be some calming influence affected on that part of the Faculty who sense a conspiracy afoot.

Amendment of our bylaws may be initiated by petition, by the Review and Procedures Committee, or by majority vote of the FCR. If this body were to consider and support needed changes, that might ease things for the full Faculty when it meets in May. He indicated that talk of trying to sneak something through the back door was in error, that reference to illegal committees, fake referenda, and the like, are not true. Those making such statements simply do not understand our own rules, he said. He thought the committees had been set up quite according to the bylaws.

A second item had to do with possible demise of the Admissions and Financial Aids Committee, a group he characterized as one in search of a mission. The matter was coupled to the forthcoming election process, whereby three members to the Campus Council have to be elected as well as members for the standing committees, one of which is the aforementioned. The resolutions of the afternoon would deal with changes in the overall committee structure.

He has written to members of recent years who have served on the A and FA Committee for their views on elimination of the committee. Admissions are the function of the individual degree granting units, and financial aid has largely been taken over by the Central Office. If a future committee action were to be called for, it could go to the ad hoc route.

Finally, the dean thought that when the FCR meets next, in April, there would be ready for action a resolution on the Physical Education requirement. A report from the Physical Education Committee is now circulating.

Professor Berkey had a question on the calendar: what is the status of the joint study committee on the calendar? The dean indicated that it had drafted a request to all department chairmen, section heads and others, to report on problems arising if a weekend break were to be invoked in October. A crucial

matter is that of laboratory instruction: 13 full weeks seem to be necessary.

The speaker then called on Professor deBoer, chairman of the Executive Committee, for a report on Trustee concerns in promotions to tenure, cited by the dean at the Feb. 8 FCR meeting. Professor deBoer told how, at a Trustee meeting in the fall, following question concerning one promotion, the Trustees came to inquire just what was their role in the promotion process. Some guidelines and recommendations were drawn up by the administration and were approved by the Trustees at the end of January, to wit:

"1. The University Provost is requested to prepare, in consultation with the Committee on Academic Affairs, a roster of policy concerns in considering tenure recommendations about which the board should be informed at each meeting.

2. The University Provost is requested to review, with the committee, the policy implications of tenure recommendations prior to each meeting of the full board.

3. If a member of the Board of Trustees has any question concerning the recommendation of an individual for tenure, the following procedure is suggested.

When the agenda is received, if any member of the board has any concern over the professional or personal qualifications of any candidates for tenure appointment, the Secretary of the Corporation should be notified as quickly as possible. The secretary will in turn notify the provost. The provost will discuss the matter in an executive session of the Executive Committee. The trustee raising the concern may be present at that meeting. The chairman of the Executive Committee will report to the board with respect to the discussions of the Executive Committee."

In the rationale accompanying the recommendations, it was stated that policy concerns for Trustees in considering tenure recommendations included the following:

(1) the impact of the number of tenure appointments on the future financial stability of the University;

(2) the effect of the percentage of tenured professors on the continuing strength of academic programs;

(3) the relationship of appointments and promotions to affirmative action goals, and

(4) the degree, if any, to which faculty inbreeding might be present.

The Faculty Committee on Academic Freedom and Responsibility has given careful consideration to the guidelines, drafting a statement detailing its concerns. The result of this was a meeting of that committee, the Executive Committee, Faculty Trustees and members of the central administration, with the president, at which Faculty worries were spelled out: Trustees, as they have heretofore done prior to the January action, should rely implicitly on the extensive review process on campus which results in a recommendation to

promote; the traditional policy precludes a Trustee from substituting his personal responses for the elaborate judgements which have gone on previously; policy concerns must be balanced against the danger of intervention in the area of academic freedom. There was distress that the Faculty had not been consulted before the matter was brought to the Trustees.

Professor deBoer related the president's response to the concerns, his understanding of them and belief in their validity, his taking of full responsibility for what had transpired, his wishing in retrospect that a different course had been followed. On both sides there was the expressed hope to go back to "square one" (from the Latin, *status quo ante*). The president would bring the matter back to the board at the March meeting in the hope that the Trustees would defer formal implementation of their tenure resolutions so that discussion could be held with the Faculty on some of the questions which gave rise to the resolutions. Vice-president Cooke is starting discussion with the appropriate Faculty committees. The hope is that procedures might be developed which would recognize Faculty concerns but would allow the Trustees to exercise responsibly their obligations to the University.

Professor deBoer concluded his report with the expressed intention of the Dean of the Faculty and of the Executive Committee to keep the FCR informed on future developments.

Professor Fine, chairman of AF and R, made a correction, for the record. Their report and some proposed resolutions were given to the Executive Committee. It was the communication of this to the president that led to the meeting Professor deBoer described and to deferral of consideration of their own resolutions.

Professor Carlin had two questions relating to the report: How did the tenure decision come out in the single case from which all this derived? (It was a unanimous vote in favor.) What action will the board take in the next tenure review? Professor deBoer would not speculate on this, but the dean indicated that it would be done just as it has been in the past.

A quorum had at this time been exceeded (by two or three) so the speaker called for approval of the minutes of the December and February meetings. These went OK. He next called again on Professor deBoer for recommendations from the Executive Committee relative to some internal FCR legislation.

The first of Professor deBoer's resolutions was simply the elimination of a reference to the Senate in legislation governing the Executive Committee. This committee has been mandated to bring legislative matters arising from University Senate actions to the FCR for action—a rule now clearly out of date. This nousekeeping change was readily agreed to; no argument. A similar change was made in the paragraph defining terms of elected mem-

bers to standing committees. A sentence was deleted which had defined the terms of members elected in the very first election—now no longer ahead of us. No argument there either.

The last resolution made for some difficulty, not with the content but with wording. The standing committees would be reduced in membership number, from nine to seven; two of these (instead of four) would be elected by and from the FCR, neither of which would now be specified as non-tenured; the remaining five (instead of four) would be non-FCR members elected by and from the University Faculty, and "one of whom" would be non-tenured. An additional member appointed by and from the Executive Committee would be eliminated.

The reduction in size of the committees would make the work of the Nominating Committee easier; a smaller number reduces the scheduling and quorum problems for meetings; the removal of the non-tenured mandate from the FCR members means non-tenured people will be less reluctant to get involved in the FCR; and Executive Committee members need not take on an additional liaison assignment to another committee—they have enough to do.

The hassle over wording arose over to whom the "one of whom shall be non-tenured" referred—the two elected from the FCR or the five from the non-FCR population. To some, the wording appeared unclear, and was in the wrong place; make two sentences out of it; insert an "at least."

Practically, the election of this non-tenured individual was said to be difficult, but the speaker volunteered the expectation that the Hare system of election would take care of every thing; he had written the program. The dean indicated that nontenured people had no desire for committee assignment. He had held a meeting with non-tenured Faculty, who had shown disinclination to get involved in the FCR because election to the body automatically meant a committee assignment as well; the one was acceptable, the other was not.

The dean felt also that the Nominating Committee would easily handle the small problem posed in the wording. After several suggestions for improvement, the following was adopted as an amendment to the original resolution, making it read: "Each Committee shall consist of seven Faculty members, two elected by and from the FCR, and five who are not FCR members, elected by and from the University Faculty. At least one of the committee members shall be non-tenured." After amendment was approved, the resolution itself was adopted.

There being no further business, adjournment followed at 5:30 p.m., early. A short meeting, but of perhaps more than passing interest, in view of the maybe not so small cloud on the promotion to tenure horizon.

P.L. Hartman, Secretary

Professors Appointed

Clardy

Jon C. Clardy, formerly professor and senior chemist at the Ames Laboratory of Iowa State University, has been appointed professor of chemistry at Cornell University.

A specialist in structural organic chemistry, Clardy is best known for his use of X-ray crystallographic techniques to determine the structure of organic molecules of biological interest. He is the author of more than 100 scientific articles in his field.

Clardy received a Camille and Henry Dreyfus Foundation Grant (1972-77) and an Alfred P. Sloan Foundation Fellowship (1973-75).

He received the B.S. from Yale University in 1964, and the Ph.D. from Harvard University in 1969. He has been associated with Iowa State's Ames Laboratory since 1969.

Bassett

Geologist William A. Bassett, an innovator in the use of high pressure techniques as applied to earth materials, has accepted a position as professor in the Department of Geological Sciences at Cornell University, effective Feb. 1.

A member of the faculty of the University of Rochester for the past 16 years, Bassett is highly

regarded in his field for instrument development and refinements in diamond cell pressure techniques. He is author or co-author of more than 60 articles on geology.

Selleck

G. Wilbur "Bill" Selleck has been granted tenure as professor of vegetable crops at the State College of Agriculture and Life Sciences. He is superintendent of the college's Long Island Horticultural Research Laboratory at Riverhead.

Selleck has played a major role in planning and coordinating construction of the recently dedicated office-laboratory building for consolidation of the Cornell Ornamental Research Laboratory at Farmingdale with the Long Island Vegetable Research Farm at Riverhead.

Selleck joined Cornell in 1975 after 15 years with Monsanto Chemical Products Co. where he was responsible for developmental research and marketing of agricultural chemical products in many parts of the world.

'Gods' Is Theme

Continued from Page 1

extraordinary clarity and elegance."

Since his retirement in 1972 from the Foch professorship, a position he held for 22 years, Seznec has been active on several literary projects: a book on Michelet, a collection of his papers and essays, and "Isis," a study of Egypt's influence on literature and the arts in 19th- and 20th-century Europe.

Seznec is well known at Cornell where he has lectured several times in the past. He is a fellow, honoris causa, of the Society for the Humanities.

"He is a fine lecturer and the range, to say nothing of the high quality, of his scholarly achievement, will insure him of a large

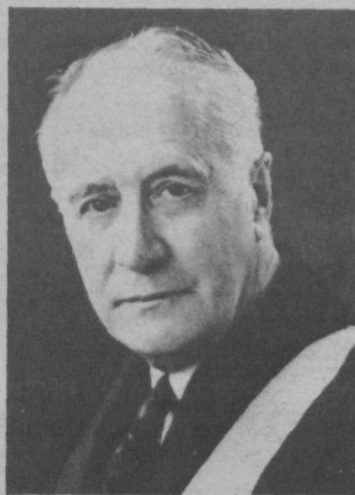
and admiring audience," according to Henry Guerlac, the Goldwin Smith Professor of the History of Science, Emeritus, at Cornell.

American students know Seznec best for his writings: "Survival of the Pagan Gods," a study of the influence of mythological tradition in Renaissance humanism and art; studies of Diderot as 18th-century art critic, and numerous articles linking literature and art in European culture.

The Messenger Lecture Series is Cornell's most prestigious. It has been delivered by several Nobel laureates since its founding in 1924. The series is named

Gallagher to Be Dean in Arizona

Richard H. Gallagher, chairman of the department of structural engineering at Cornell University since 1970, has been named dean of the College of Engineering at the University of Arizona. He will assume his new post July 1, according to an announcement by John P. Schaefer, president of UA.



Jean Seznec

for Hiram J. Messenger, an 1880 Cornell graduate, professor of mathematics and innovator in the field of health insurance.

He endowed the series in order to bring the world's leading scholars to Cornell to speak on topics related to the evolution of civilization.

"Richard Gallagher has distinguished himself both as an accomplished civil engineer as well as an administrator, and we believe he'll be an outstanding addition to our faculty and administration," Schaefer said.

Before joining the Cornell faculty in 1967, Gallagher was employed for 17 years by the Civil Aeronautics Administration; Texaco Inc., New York City; and Bell Aerosystems Co., Niagara Falls.

At UA he will head a college with five departments, Electrical, Aerospace and Mechanical, Systems and Industrial, Nuclear, and Civil, with about 1,600 undergraduate and 315 graduate students. The college also helps run degree programs in agricultural engineering, engineering physics and engineering mathematics. It also operates the Engineering Experiment Station, where the UA's solar research facility is located, and Microcampus, a video teaching system.

Gallagher, 50, received the bachelor of civil engineering degree in 1950 and the master of civil engineering degree in 1955, both from New York University. He completed his Ph.D. degree at the State University of New York at Buffalo in 1966. From 1955 to 1967, he was with Bell Aerosystems Co., where he was assistant chief engineer, Structural Systems.

‘Album of Science’ Pictures Growth

The history of the dynamic growth of science in the 19th century is documented in pictures and text in the “Album of Science,” the latest book by L. Pearce Williams, the John Stambaugh Professor of the History of Science at Cornell University.

The book, Williams’ seventh, was published recently by Scribner’s.

The “Album of Science” reproduces some 600 19th-century illustrations, engravings, drawings, paintings, photographs and maps, along with Williams’ comments in descriptive captions. Separate portions of the book are devoted to each of the major areas of knowledge in which scientific advances occurred in the 19th century.

Science and science-based technology were introduced into man’s daily life in the 19th century, according to Williams. In his book he points out that in the 19th century the microscope was refined, relations between electric and magnetic forces were studied in detail, and the atomic structure of matter was established.

The century also marked the development of science as a fully recognized profession, Williams states. The term “scientist” was coined in the 19th century and truly professional scientific societies and organizations came into being.

All of these developments are shown in Williams’ book, as well as the social and intellectual environment in which scientists worked, and the public response to their discoveries.

Williams, who was professor of the history of science and chairman of Cornell’s Department of History when he was named the Stambaugh Professor in 1971, is a specialist in 19th-century science.

A 1948 Cornell graduate, Williams’ prize-winning book, “Michael Faraday, a Biography,” is considered the definitive work on the British physicist.

The book received wide critical acclaim when it was published in 1965 for its scholarship and its challenge to the popular belief that although Faraday was a great 19th-century experimental scientist he was not a theo-

retican. Williams proposed that Faraday was one of science’s greatest theorists.

Williams’ other books are “The Origins of Field Theory,” “Relativity Theory, Its Origins and Impact on Modern Thought,” “The Selected Correspondence of Michael Faraday,” “Great Issues in Western Civilization” with Brian Tierney and Donald Kagan and “The History of Science in Western Civilization,” with Henry Steffens, in three volumes.

In 1967, Williams took part in a memorial program at the Royal Institution of Great Britain in London. He presented a lecture, “Faraday and the Ether: A Study in Heresy,” marking the centennial of Faraday’s death.

Recognized as an outstanding lecturer, Williams teaches “Western Civilization,” one of the most popular courses on campus.

As an undergraduate at Cornell, Williams completed three years of study in chemical engineering before transferring to the College of Arts and Sciences. After receiving a bachelor of arts degree with honors in history, he began work on his Ph.D. degree, which he received in 1952.

He began teaching as an instructor in history at Yale University in 1952. In 1956 he became an assistant professor at the University of Delaware. In 1959, he received a post-doctoral fellowship from the National Science Foundation to pursue his research on Faraday.

Williams joined the Department of History at Cornell in 1960 as an assistant professor.



Jonathan Weil, Arts and Sciences ‘80, and Janet Lehr, Agriculture and Life Sciences ‘80, use a Surber stream sampler to collect data on abundance and diversity of aquatic insects and other bottom-dwelling animals as part of their field research for Biology 104.

Biology Students Do Field Work

Freshmen Do Real Research

Independent research isn’t something normally done in large introductory science courses, but every spring almost 700 students in Biology 104 at Cornell University become field biologists pursuing new knowledge on their own.

Armed with dip nets, binoculars, water samplers, field guides or other trademarks of the field biologist, the students work individually or in small groups on research in behavior or ecology.

They select their own topics for study, constrained only by the time allowed (about three weeks) and equipment available for their use.

“Our objective is to have the student carry through his or her own research idea from the proposal stage through field data collection and laboratory analysis to a report written in a style suitable for a professional scientific journal,” explained Jon C. Glase, course coordinator.

Because the students are doing real research—not structured laboratory exercises—their work can add to the body of biological knowledge. And to make sure that the best efforts are not forgotten at the end of the course, the course’s senior staff selects some of the best papers for refinement and eventual publication in a “Behavior/Ecology Journal.”

Volume 1, containing reports of 11 research projects done during 1976 and 1977 has just been printed and is available at the Biology Center and the reserve desk of Mann Library at Cornell.

It offers reports on the following topics:

—“Nesting Habits of the Gray Squirrel in the Cornell University Area” by Michael Totta;

—“Substrate Color Preference by Tadpoles of the American Toad and Its Relation to Their Behavior and Ecology” by Jonathan Weil;

—“The Effect of Velocity of Stream Flow on the Family Diversity of Stream Macro-invertebrates” by Janet Lehr;

—“Mating Response of the Mosquito as Elicited by Auditory Stimulation” by Tod Harris Drucker;

—“Characteristics of the Female Cowbird Which Are Recognized by the Song Sparrow” by Eugene Newton;

—“A Study of the Diving Times of the Bufflehead, Red-Breasted Merganser, Lesser Scaup, and Horned Grebe” by Katherine Tefft Horning;

—“Compass Orientation of Pileated Woodpecker Feeding Holes” by Susan Sorenyi-Sander;

—“The Frequency and Sequencing of Courtship Displays in the Mallard Duck and Black Duck” by Leslie Clark;

—“Time Interval Between Calls of Hyla crucifer at Different Ambient Temperatures” by J. Ladd Yost;

—“Primary Productivity at Various Depths in Beebe Lake” by David J. Medford;

—“Forest Succession in the Finger Lakes Region of New York State: McGowan Forest” by Marie Gottschalk.

Information System Proposed

Up-to-date information on local retail prices and vendor services would be as close as your telephone or television set in consumer information systems proposed by economists and computer scientists at Cornell and the University of Michigan.

If financed by the general public, a consumer data bank would lower prices for similar products and services in a given community, said E. Scott Maynes, chairman of the Depart-

ment of Consumer Economics and Housing at the State College of Human Ecology at Cornell.

If financed just by users of the system, prices would generally stay the same but individual users would benefit from better knowledge of local markets, he said.

Maynes and University of Michigan scientists James N. Morgan, Weston Vivian and Greg J. Duncan proposed the idea in a recent issue of the “Journal of Consumer Affairs.” The first step, they said, would be a pilot system to test the best way of collecting and disseminating local consumer information. Possibilities for distributing the information would include telephone, cable televi-

sion, mail, or vending machines in homes or at shopping centers.

The local information system also would show where the prices came from, cite sources of additional information, and list names of local vendors if the prices are from national sources, Maynes said.

Another key aspect would be consumer ratings of local vendors, such as retail stores, auto and television repair shops, and home improvement companies. These ratings would be collected from surveys of local consumers. Helpful information proposed by the economists includes overall satisfaction and customer ratings of promptness, quality of work, and reasonableness of price.

Flame Retardants May Be Toxicologic

Flame retardant chemicals used in children’s sleepwear are being investigated by Donald Lisk, professor of food science at Cornell, for possible toxicologic effects.

Lisk has found that tris and Fyrol FR-2 diffuse out of unlaundered fabric in quantities sufficient to kill goldfish in his experimental tanks when moistened for the first time. Both compounds inhibited the enzyme cholinesterase, necessary for proper functioning of the nervous system.

The surface loads of the fire retardants were lowered when the garments were laundered and no longer diffused out in quantities sufficient to kill the fish in the experimental tanks after the first washing. The surface loads of the flame retardants were reduced by about 40 percent after 20 washings.

Tris and FR-2 are organic phosphate compounds similar in structure and properties to commonly used pesticides, and Lisk

has found that they also have insecticidal properties.

Tris is no longer used as a flame retardant in children’s sleepwear because other researchers have found that it causes mutations in cells. FR-2 has been widely substituted for tris in such sleepwear.

Lisk believes his findings may have significance for manufacturers of flame retardants who discharge wastes into streams and also suggests that treated sleepwear should be laundered before wearing.

Most recently Lisk has found that certain vinyl materials used in automobile upholstery contain the flame retardant triphenylphosphate, which was released when the material was wetted and which was toxic to fish.

Lisk’s research was done in cooperation with Dr. George Maylin, John Henion and Dr. Louis Leibovitz of the New York State College of Veterinary Medicine.

Tapes Are Available



Upstairs in Uris Library, one student may be sitting back and relaxing while Alfred Lord Tennyson gives a private reading of his “Charge of the Light Brigade.” Nearby, another student may be researching a history paper by tuning into a radio broadcast by Tokyo Rose.

These “travels back in time” take place in the Media Room (formerly called the Listening Room). Located above the main lobby in Uris Library, the tape collection contains spoken-word recordings of poems, plays, speeches and many of the guest lectures given at Cornell. Shakespeare’s plays are among the most popular items in the collection. Unfortunately, these were not recorded by Shakespeare himself.

You can discover the tapes of greatest interest to you by consulting the card catalog in the Media Room, or you can find references to the tapes in the card catalogs of Uris and Olin Libraries, which contain entries for all of the Media Room’s holdings.

The staff will be glad to help you use these tapes as well as explain the many other resources in the Media Room. Come in any time during Uris Library hours. While you’re in Uris, be sure to also visit the ARC desk in the lobby where you can learn about academic resources throughout the campus.

Northeast Transit Bus Spring Recess Schedule March 20-24

In Bound		Out Bound	
Covered Rridge	7:15 A.M.	Dairy Bar	5:05 P.M.
Village Apartments	7:25 A.M.	Uris/Statler	5:10 P.M.
Lansing North	7:30 A.M.	Carriage House	5:18 P.M.
Sapsucker Woods	7:35 A.M.	Lansing West	5:27 P.M.
Winston Court	7:40 A.M.	Chateau Claire	5:30 P.M.
Warrenwood	7:45 A.M.	Gaslight Village	5:33 P.M.
University Park	7:47 A.M.	University Park	5:35 P.M.
Gaslight Village	7:49 A.M.	Warrenwood	5:37 P.M.
Chateau Claire	7:50 A.M.	Winston Court	5:45 P.M.
Lansing West	7:53 A.M.	Sapsucker Woods	5:50 P.M.
Carriage House	7:57 A.M.	Lansing North	5:57 P.M.
Day Hall	8:05 A.M.	Village Apartments	6:05 P.M.
Dairy Bar	8:10 A.M.	Covered Bridge	6:15 P.M.

If you have questions about this schedule, call Swarthout and Ferris at 257-2277 or the University Off-Campus Housing Office at 256-5373.

'Lucibufagins' Make Fireflies Taste Bad

A previously unknown kind of ammunition in the chemical arsenal of insects has been identified and characterized by researchers here.

The researchers have discovered several closely related compounds that appear to be responsible for the unpalatability of fireflies to birds. The chemicals, which the researchers have named "lucibufagins," belong to a rare class of compounds known as steroidal pyrones. The only other known sources of this class of compounds are the venom of certain toads and a Mediterranean lily-like plant, the squill.

The previously discovered steroidal pyrones, primarily those from the Chinese toad, have been used in folk medicine to slow and strengthen heartbeats, and the chemically related steroid cardenolides, which include digitalis, are widely used in modern medicine to treat heart disease. Because the lucibufagins may well have similar effects on heart activity, they should be investigated for medicinal value, the researchers suggest.

The lucibufagins were first discovered by LeRoy Haynes, professor of chemistry at Wooster College (Ohio), near the end of a research leave spent at Cornell with Thomas Eisner, professor of neurobiology and behavior, and Jerrold Meinwald, professor of chemistry. Most of the structural work was conducted by David Wiemer, a National Institutes of Health postdoctoral fellow in the Cornell Chemistry Department. A report on their findings appears

in the most recent issue of the Proceedings of the National Academy of Sciences.

The researchers isolated three lucibufagins from two species of firefly by using captive insect-eating birds to test fireflies, firefly extract and extract fractions for palatability.

The birds usually rejected whole fireflies and mealworms (a normal laboratory food) that had been treated with firefly extract and fractions of the extract that contained the lucibufagins. After repeated bioassays of extract fractions, the researchers used chromatography to isolate and purify the lucibufagins, obtaining tiny amounts of the pure compounds. The nature of these compounds was determined using various spectroscopic and chemical techniques.

During the bioassays, the few birds that swallowed either whole fireflies or mealworms treated with a pure lucibufagin vomited shortly afterwards, suggesting that the lucibufagins may have a toxic effect as well as an immediate repellent effect.

Where the fireflies obtain the raw materials for the lucibufagins is still a mystery. They may pick up the compounds ready-made from material in their diet—but no plant source of steroidal pyrones other than squill is known, and fireflies obviously do not feed on toads. The most reasonable hypothesis, the researchers believe, is that the fireflies produce the lucibufagins from cholesterol or other steroids in their diet, a process already demonstrated to account for the production of steroidal pyrones in toads.

Faculty Receive Awards

Bronfenbrenner

Urie Bronfenbrenner, an international authority on child development, has been named "psychologist of the year" by the New York Society of Clinical Psychologists.

Bronfenbrenner is professor of human development and family studies at the State College of Human Ecology and a professor of psychology. He also holds a Jacob Gould Schurman professorship at Cornell.

The award from the society,

given Feb. 11, recognizes Bronfenbrenner's outstanding contributions to the profession of psychology and is the first presented for work with children.

Hamilton

Lawrence S. Hamilton, professor in the Department of Natural Resources, has received a Fulbright-Hays Award for a six-month appointment to the University of Waikato at Hamilton, New Zealand, starting in July.

Book on Forest Ecosystem Useful for Land-Use Plans

Chemicals travel from the non-living components of an ecosystem through plants and animals and back to the non-living environment to be transported eventually by water to the sea.

These "biogeochemical cycles" were described in eloquent prose almost 30 years ago by naturalist Aldo Leopold in "Sand County Almanac." They are described quantitatively for the first time in a new book "Biogeochemistry of a Forested Ecosystem," written by Gene E. Likens of Cornell with F. Herbert Bormann, Robert S. Pierce, John S. Eaton and Noye M. Johnson and published by Springer-Verlag.

The book, a synthesis of some 15 years of research at Hubbard Brook Experimental Forest in the White Mountains of New Hampshire, traces the comings and goings (inputs and outputs) of chemicals in small watersheds that are tributaries to Hubbard Brook and explores the structure, function and dynamics of the forest ecosystem itself.

Because the watersheds of Hubbard Brook — a northern hardwood forest that has been undisturbed since it was logged some 55 years ago — is typical of much of the forested land in New England and New York State, the information presented in the book can be used by land-use planners as a baseline for determining how alterations to similar ecosystems, through logging, road building or other human activity, change the nutrient cycles and the health of the system.

The vast number of variables — the kinds of animals and plants, the geology, the climate and season — control the flow of water and chemicals through an ecosystem, but Likens, professor of ecology and systematics, and his colleagues were able to formulate a conceptual model that allowed them to determine the system's inputs and outputs while measuring relatively few variables.

They chose six small watersheds in the Hubbard Brook drainage system which has dimilar flora, fauna and geology. The watersheds were underlain by relatively impervious bedrock, making the transfer of water and nutrients between watersheds very unlikely.

The scientists needed only to measure the meteorologic inputs to the system (from windborne

particulate matter, substances dissolved in rain and snow, aerosols and gases in the atmosphere) and the output of material carried in the streams to determine the net gain or loss of a given chemical in the ecosystem.

Using this technique they were able to pick out longterm trends, including an increase in the acidity of precipitation falling in the region during the last 10 years. Because they had tested regularly for a variety of specific chemicals they were able to link the increased acidity to increased nitrogen oxides (by-products of fossils fuel combustion) in the air.

"If we've learned one thing from Hubbard Brook," Likens stressed, "it is the value of long-term investigation."

Animal Poisoning Detection Improved

The only way to prove that an animal died from lead or mercury poisoning is to find traces of the metal in its body.

But until the New York State Diagnostic Laboratory at the College of Veterinary Medicine, Cornell University, expanded its toxicology program this year, conducting a thorough search for toxic inorganic substances in poisoned animals was almost impossible in New York State.

The tests had to be run element by element, and if the

analysis didn't confirm the veterinarian's best guess from clinical signs, it was usually too expensive to search further.

Now using a device called an X-ray fluorescent spectrometer, toxicologists can search simultaneously for the presence of all elements from sodium, with an atomic number of 11, to uranium with an atomic number of 92.

Within 200 seconds the concentrations of all the elements in the sample are displayed on a television screen, allowing the toxicologist to see at a glance any abnormally high levels of toxic metals. The machine also makes it possible to learn more about the normal concentrations of these substances in healthy, as well as diseased animals.

The laboratory also has the capability to screen samples from some 10,000 organic compounds by drawing on large data banks of "fingerprints," or mass spectra, for organic compounds on file at Cornell and elsewhere.

"Toxicology is really what a diagnosis of poisoning stands or falls on," said Dr. George Maylin, chief of the Division of Drug Testing and Toxicology at the college. "We now have the capabilities to do a complete toxicological analysis—from the clinical exam to looking for abnormalities in the tissues to associating a poison with a disease," he said.

Cornellian Perfects Skin Cancer Cure

The most common form of skin cancer, basal cell carcinoma, can now be treated effectively in the doctor's office using cryosurgical techniques developed by Dr. Douglas Torre, clinical professor of medicine and attending physician at The New York Hospital-Cornell Medical Center.

Cryosurgery uses extreme cold to destroy cell tissue in benign and malignant tumors. Dr. Torre and his colleagues have perfected a relatively simple, standardized and non-invasive method for determining the degree of freezing at various levels beneath the skin achieved

during cryosurgical procedures, making it easier to reach the base of the tumor with the proper amount of cold.

The new procedure is less costly, produces better cosmetic results and has fewer adverse side effects than other methods used to treat basal cell carcinomas.

Dr. Torre, a pioneer in cryosurgical applications and instrumentation, has treated more than 2,500 basal cell carcinomas over the last 12 years. Of these, over 90 percent were treated by cryosurgery, with a cure rate of better than 95 percent.

University Libraries Spring Recess Schedule

LIBRARY	Saturday March 18	Sunday March 19	Monday March 20	Tuesday March 21	Wednesday March 22	Thursday March 23	Friday March 24	Saturday March 25	Sunday March 26
Africana	Closed	Closed	9A-5P	9A-5P	9A-5P	9A-5P	9A-5P	Closed	Closed
BPA	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	6P-12M
Engineering	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	Closed
Entomology	10A-1P	Closed	1P-5P	1P-5P	1P-5P	1P-5P	1P-5P	Closed	Closed
*Fine Arts	Closed	Closed	9A-12N	9A-12N	9A-12N	9A-12N	9A-12N	Closed	Closed
Hotel	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	Closed
ILR	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	6P-11P
*Law	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	1P-12P
Mann	9A-1P	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	9A-1P	6P-11P
Mathematics	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	1P-11P
Music	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	7P-11P
**Olin	9A-1P	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	9A-1P	6P-11P
Physical Sci.	1P-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M
Uris	9A-1P	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	1P-5P	1P-12M
Veterinary	9A-1P	Closed	7P-10P	7P-10P	7P-10P	7P-10P	7P-10P	8A-5P	2P-11P

*March 17, 1978 open 8A-5P

**March 17, 1978 open 8A-6P

'Recreation Policy on Public Lands'

Civil Liberties Talk Planned

Joseph L. Sax, professor of law at the University of Michigan, will deliver the 1977-78 Henry A. Carey Lecture on Civil Liberties at Cornell University.

Co-sponsored by the Cornell Law School and the Department

of Natural Resources, his lecture is titled "Recreation Policy on the Public Lands." It will be given twice: Monday, March 27, at 3:30 p.m. in the auditorium/courtroom of Myron Taylor Hall and Tuesday, March

28, at 3:30 p.m. in Room 304 of Fernow Hall. Both sessions are open to the public.

Sax's professional and scholarly interests have centered on problems in environmental law and planning policy. He has served on numerous councils and associations concerned with environmental problems and practices including the National Academy of Science, the Presidential Council on Environmental Quality, the Ford Foundation's Energy Policy Project and the Environmental Law Institute. He also has served on the advisory boards of the Ecology Law Quarterly and the Environmental Law Reporter.

Sax's writings in the environmental law field have been extensive and include: "Defending the Environment" (1971); "Water Law, Planning and Policy" (1968); and "Waters and Water Rights" (1967).

He received his A.B. from Harvard in 1957 and his J.D. from the University of Chicago in 1959. He practiced law in Washington D.C.



Apple Peeler Shows How

Kathy Wafler, a freshman in the N.Y. State College of Agriculture and Life Sciences, demonstrates her championship apple peeling style at the student-run Ag Day Celebration last Monday in Willard Straight Hall. As World Champion Apple Peeler, she first broke the record in 1975. She then broke her own record in 1976. Her winning peel was 2068 inches long, which took her 10 hours to peel and earned her a listing in the 1978 Guinness Book of World Records. Kathy, who is majoring in plant pathology, comes from Wolcott, N.Y., where her family grows apples and runs a nursery.

Women's Studies Colloquia Slated

The Women's Studies Program at Cornell University is sponsoring colloquia on a variety of feminist and gender-related topics from noon to 1:30 p.m. Thursdays through April 13 (except March 23). The colloquia, which are listed below, are open to all interested persons.

—March 16. "Gender Identity and the Concept of Control," led by John Condry of Cornell's Department of Human Development and Family Studies, in 205 Industrial and Labor Relations Conference Center;

—March 30. "A Model for

Reducing Sex Stereotyping and Bias in Secondary Vocational Education," led by Charlotte Farris of Cornell's Department of Community Service Education, in 320 ILR Conference Center;

—April 6. "Genre and Gender: New Trends in Feminist Literary Criticism," led by Nelly Furman of the Department of Romance Studies, in 216 Ives Hall;

—April 13. "The Development of a Lesbian/Feminist Sculpture," led by Deborah Jones of the Women's Studies Program, in 24 Goldwin Smith Hall.

Bulletin Board

International Wives Club

The International Wives Club is holding a dish-to-pass supper from 7 p.m., Wednesday, March 29, in the One World Room, Anabel Taylor Hall. International and American couples may attend and should bring a dish or salad of their country to feed 12. Dessert will be provided. Entertainment will include Julie Crepeau at the piano, and dancing.

Women in the Work World

"Women's Attitudes Toward the Working World," a panel discussion, is the next program in the Women in the Work World Series, to be held from 12:15 to 1:15 Wednesday, March 29, in Uris Hall 202. The entire Cornell community is welcome to the program, sponsored by the University Personnel Services.

Human Ecology Registration

Fall course registration for Human Ecology students starts

immediately after Spring Recess. Students are advised to check notices for details in Martha Van Rensselaer.

Student Wives Program

"Student Wives! Managing Your Career, Family and Student Husband While Staying Sane" is the topic of a discussion sponsored by the Dean of Students Office at 7:30 p.m., Wednesday, March 29, in North Campus Union Conference Room 2. Jane Schafrick will chair the discussion. For more information call Steve Farrar at 256-3608.

Summer Session Schedule

The 1978 Summer Session Announcement will be available at Chronicle drop points before noon on Monday, March 27. Individuals responsible for distributing the Chronicle should distribute the announcement to all faculty, staff and students. Departmental offices should retain copies for future reference, although additional copies may be obtained from the Summer Session office, 105 Day Hall.

Grads Ice Skating Times

Lynah Rink will be open for graduate students to skate this evening from 6:45 to 7:45. Admission is 50 cents and rental skates will be available. The ice time is sponsored by Grads for Grads.

Cricket Club Practice Begins

The Cornell Cricket Club announces that practice for the '78 season will begin at 2 p.m., March 21, in Bacon Cage. This year, an Ivy League Tournament is planned, beginning with a game against Princeton University on April 8.

English Preregistration Party

The Department of English will hold a pre-registration party for students and faculty at 4 P.M., Wednesday, March 29, in the Temple of Zeus. All English majors and students who are considering majoring in English are invited.

Graduate Bulletin

Students are reminded that the deadline for dropping courses or changing the Grade Option without a late fee is March 17. Courses may still be added through the end of classes upon payment of a \$10 late fee. All course Add-Drop forms must be returned to the front desk at Sage bearing the signatures of the course instructor and the chairperson of the student's special committee. If you have questions about your course registration for this semester (prompted by the absence of your name from a professor's course list), please go to the Registrar's Office, 222 Day Hall. The registrar has your "Optical Mark Sheet" on file, and will be able to tell you what went wrong and what (if anything) you must do to correct the problem.

Applications are now available for the two types of summer funding offered by the Graduate School. Graduate Summer Fellowships offer a \$750 stipend for ten weeks during the summer which must be devoted entirely to graduate study. No other support from Cornell sources may be received during this 10-week period. Students interested in applying for these fellowships should consult with the Graduate Faculty Representative in their field for information and applications. As each field receives a quota for applications which it may submit, all applications must be handled through the field office. Applications must be submitted to the student's Special Committee Chairperson by March 27. The chairperson's endorsement and statement in support of the application is essential.

Summer Tuition Awards provide \$80 per credit hour for courses taken during the summer session at Cornell. Applications for the summer tuition awards are available at the Fellowship Office, 116 Sage Graduate Center. Completed applications must be submitted to the student's Special Committee Chairperson by April 17.

Applications for the 1978-79 New York State Senate Legislative Fellows Program are available at the Fellowship Office, 116 Sage Graduate Center. Ten fellows are chosen each year to spend a year in Albany, N.Y., during which time they receive first-hand knowledge of the operation of New York State government. Fellows receive a salary (taxable) of \$11,000 for the year as well as the normal benefits of other senate employees. Applicants must meet the following eligibility requirements: be a matriculated student in a recognized graduate program at an accredited college or university at the time of application; be a resident of New York State or attend an educational institution in New York State; have a strong orientation toward public service; show evidence of strong research and communication skills. Applications must be submitted to the Student Programs Office of the Senate by April 15; notification of awards will be made on or before June 10. Additional information is available at the Fellowship Office.

1978-79 Financial Aid Renewal Applications are now available in the Financial Aid Office, 203 Day Hall. Graduate students seeking aid consideration (loans and/or work study) for next year should obtain forms and submit completed applications to 203 Day Hall. The application deadline is April

15, but graduate students are strongly encouraged to submit completed forms before then.

All graduate students interested in the summer work-study program should sign up as soon as possible for summer work-study at the Student Employment Office, 203 Day Hall. Make sure your 1978-79 Financial Aid Application is filed by March 15. Students who will be funded throughout the 1978-79 academic year but do not have support for the summer, need to submit a summer supplement, which may be obtained at the Financial Aid Office, 203 Day Hall. This is to be done in addition to the above two requirements. It should be turned in to 203 Day Hall by March 15.

Applications are now available for the Program and Administrative Assistant position in the Department of Residence Life. It is a half-time position (20 hours per week), beginning one week prior to the opening of the Residence Halls in the Fall 1978 term, and terminating when the buildings are closed at the end of the Spring 1979 term. The remuneration is an apartment in the residence hall (Donlon, Dickson or Balch-Comstock) plus a waiver of one-half tuition and full fees. The PAA will perform programming, administrative, counseling and advising functions and work closely with the full-time Residence Coordinator who lives in the hall. Previous experience as

a Resident Adviser is helpful, but not required. Applications and additional information are available at the Lower North Campus Residence Life Office in North Balch Hall and at the Fellowship Office, 116 Sage Graduate Center.

Applications for the 1978 New York State Assembly's Summer Intern Program are now available. The Summer Intern Program is designed to provide college students with first-hand knowledge of legislative research and functions by offering recipients an opportunity to work on specific research and projects in conjunction with research specialists from the Assembly staff. Summer interns receive a \$1,500 stipend for the ten weeks of the program (June 12 to Aug. 18, 1978). Ten to fifteen positions are available for college students who will be matriculated in a degree program as seniors and graduate students during the 1978-79 academic year and who have strong research and public analysis skills. Interns must be residents of New York State. Applications and all supporting credentials must be received by the Assembly Intern Program by April 5. Applicants will be notified whether they have been selected for an interview during the week of May 1-5. Final award announcements will be made by May 26. Contact the Fellowship Office, 116 Sage Graduate Center, for applications and additional information.

Special Seminars

Agriculture and Life Sciences

AGRICULTURAL ECONOMICS: "Employment and Rural Development in the Mexican Tropics," Sara Scherr, 12 noon, Tuesday, March 28, Warren 401.

VEGETABLE CROPS: "Integrated Pest Management in Vegetable Crops," Robert D. Sweet, 4:30 p.m., Thursday, March 16, Plant Science 404.

Arts and Life Sciences

ANTHROPOLOGY: "Desert and Coast: Society and Adaptation Among Pakistani Baluch," Stephen Pastner and Carol Pastner, University of Vermont, 4:30 p.m., Tuesday, March 28, McGraw 165.

ORGANIC/INORGANIC CHEMISTRY: K. Ogilvie, McGill University, 8:15 p.m., Monday, March 20, Baker Lab 119.

ORGANIC/INORGANIC CHEMISTRY: T. Marks, Northwestern University, 8:15 p.m., Monday, March 27, Baker Lab 119.

Biological Sciences

BIOCHEMISTRY: "E. coli RNA Polymerase-Sigma Factor Mutants and Specificity Assays," Richard R. Burgess, University of Wisconsin, 12:20 p.m., Tuesday, March 21, Wing Hall Library. NOTE DATE CHANGE.

BIOCHEMISTRY: "Cell Communication and Gap Junctions," Norton B. Gilula, Rockefeller University, 4:30 p.m., Friday, March 24, Stocking 204.

ECOLOGY AND SYSTEMATICS: Thomas Schoener, Univer-

sity of Washington, Seattle, 8:30 a.m., Friday, March 17, Stimson G-25.

MICROBIOLOGY: "Vitamin E and Immunity in Dogs," Ben Sheffy, 4:30 p.m., Wednesday, March 29, Vet Research Tower G-3.

NEUROBIOLOGY AND BEHAVIOR: "Diversity in the Tadpole Feeding Mechanism: Assessing Behavior from Morphology," Richard Wassersug, University of Chicago, 12:30 p.m., Monday, March 20, Langmuir Rosenblatt Room.

MICROBIOLOGY: "Hallucinogenic Plants of the New World: Botany, Chemistry and Role in Primitive Societies," Richard Evans Schultes, 4:30 p.m., Tuesday, March 28, Bradfield 101.

PLANT PHYSIOLOGY: "Characterization of Mature Plant Vacuoles and Studies of Cytosol-Vacuole Relationships," G. Wagner, Brookhaven National Laboratory, 11:15 a.m., Friday, March 17, Plant Science 404.

PLANT PHYSIOLOGY WITH PLANT BREEDING: "Introduction of Salt Tolerance from Exotic Germplasm into Tomato," E. Epstein, University of California, Davis, 12:20 p.m., Tuesday, March 28, Emerson 135.

Engineering

MATERIALS SCIENCE AND ENGINEERING: "Binding of Helium at Impurities in Metals," E.V. Kornelsen, National Research Council, Ottawa, Canada, 4:30 p.m., Thursday, March 16, Bard 140.

Calendar

March 16—31

All items for the Chronicle Calendar must be submitted by mail or in person to Fran Apgar, Office of Central Reservations, 32 Willard Straight Hall, at least 10 (ten) days prior to publication of the Chronicle.

* Admission charged

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

Thursday, March 16

12 noon. Bible Study. Episcopal Church at Cornell. Everyone welcome. Anabel Taylor G-3.

12 noon. Women's Studies Colloquia: "Gender Identity and the Concept of Control," John Condry, Human Development and Family Studies. I&LR Conference Center 205.

12 noon. Catholic confessions. Anabel Taylor G-24.

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.

12:15 p.m. Cornell Campus Club presents Consumer Series Lecture: "Consumers, Food and Prices," Josephine Swanson, extension associate, Consumer Economics and Public Policy, James Law Auditorium.

4 p.m. Open Prose and Poetry reading. All welcome. Goldwin Smith Temple of Zeus.

4:30 p.m. Astronomy and Space Sciences Colloquium: "Climate and the Changing Sun," John A. Eddy, National Center for Atmospheric Research, High Altitude Observatory, Boulder. Space Sciences 105.

5 p.m. Beginning Hebrew Conversation. Anabel Taylor Edwards Room.

5:30 p.m. Explorations of the Siddur. Anabel Taylor 314.

6:30 p.m. Intermediate Hebrew Conversation. Anabel Taylor 314.

7 p.m. The Christian Science Organization welcomes students, staff and campus visitors to the weekly readings and testimonies meeting. Anabel Taylor Founders Room.

7 p.m. Zoo Animal Talk: "Special Diets for Exotic Animals," Olav T. Oftedal. Schurman D-215.

7:30 p.m. Israeli Folk Dancing. Anabel Taylor One World Room.

8 p.m. CUSLAR presents free film: "Puerto Rico." Uris Hall Auditorium.

8 p.m. Plant Pathology Lecture: "Plant Disease Detection Program of the U.S. Department of Agriculture," Mark Smith, Animal and Plant Health Inspection Service, U.S.D.A. Plant Science 404.

9 p.m. Kaleidescope II presents "One Flew Over the Cuckoo's Nest." Discussion of the film will follow by James B. Jacobs of the Sociology Department and Law School. Sponsored by North Campus Program Board. North Campus Multipurpose Room.

Friday, March 17

8 a.m.- 4:30 p.m. Last day for Extramural registrants to make a change of registration. Day 105.

12 noon. Catholic confessions. Anabel Taylor G-24.

12:15 p.m. Eucharist, Episcopal Church at Cornell. Anabel Taylor Chapel.

12:15 p.m. Women's Studies Friday Seminar: "The Politics of Female Labor in the Soviet Union," Joel Moses, Government, Cornell. I&LR Conference Center 105.

12:20 p.m. "Personal Liberation and Systemic Change," a bag lunch study seminar sponsored by CRESP. Anabel Taylor Forum.

1 p.m. SALAT-AL-JUMA (Friday prayer for Muslims). Anabel Taylor Edwards Room.

3-7 p.m. Happy Hour. North Campus Thirsty Bear Tavern.

3:30 p.m. Geological Sciences Seminar: "Numerical Modelling of Crustal Doming-Upper Rhine Graben," Horst Neugebauer. Thurston 205.

4-6 p.m. Happy Hour. Noyes Center Pub.

4:15 p.m. Coalition for the Right to Eat meeting. Anabel Taylor Forum.

5:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.

6 p.m. Shabbat Services (Orthodox). Young Israel House.

7 p.m. Dungeons and Dragons meeting. Uris G-94.

7:30 p.m. Twig Fellowship, sponsored by The Way Campus Outreach. Balch Unit 2 Study Room.

7:30 p.m. Cornell Christian Fellowship meeting for singing, prayer and fellowship. All welcome. Anabel Taylor Founders Room.

8 p.m. *Cornell Cinema presents "The Big Sleep." Uris Hall Auditorium.

Saturday, March 18

9:30 a.m. Shabbat Service (Orthodox). Anabel Taylor Edwards Room.

4:30 p.m. Catholic confessions. Anabel Taylor G-24.

5:15 p.m. Blessing of the Palms. Anabel Taylor Chapel Foyer.

5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Chapel.

8 p.m. *Cornell Cinema presents "The Big Sleep." Uris Hall Auditorium.

Sunday, March 19

9:30 a.m. Episcopal Church Worship Service. Anabel Taylor Chapel.

10 a.m. Ithaca Society of Friends (Quakers). Discussion and First Day School. Babysitting provided. Anabel Taylor Forum.

11 a.m. Ithaca Society of Friends (Quakers). Meeting for worship. Anabel Taylor Forum.

11 a.m. Blessing of the Palms and Mass. Brunch follows

Mass in the One World Room. Anabel Taylor Auditorium.

8 p.m. *Cornell Cinema presents "The 39 Steps." Uris Hall Auditorium.

Monday, March 20

8 p.m. *Department of Music presents Schola Cantorum of Aachen, Germany. Works of des Prez, Palestrina, Monteverdi, di Lasse, and others. Sage Chapel.

8 p.m. *Cornell Cinema presents "High Sierra." Uris Hall Auditorium.

Tuesday, March 21

8 p.m. *Cornell Cinema presents "The Lady Vanishes." Uris Hall Auditorium.

Wednesday, March 22

8 p.m. *Cornell Cinema presents "Casablanca." Uris Hall Auditorium.

Thursday, March 23

7:30 p.m. Communal Penance Service and Mass of the Lord's Supper. Anabel Taylor Auditorium.

8 p.m. *Cornell Cinema presents "Chimes at Midnight." Uris Hall Auditorium.

Friday, March 24

5 p.m. Commemoration of the Passion and Communion. Anabel Taylor Auditorium.

8 p.m. *Cornell Cinema presents "An American in Paris." Uris Hall Auditorium.

Saturday, March 25

4-5 p.m. Private confessions. Anabel Taylor G-24 and G-21.

8 p.m. *Cornell Cinema presents "Spellbound." Uris Hall Auditorium.

9:45 p.m. *Cornell Cinema presents "Notorious." Uris Hall Auditorium.

10 p.m. Easter Vigil and Catholic Mass. Anabel Taylor Chapel.

Sunday, March 26

11 a.m. Catholic Mass. All welcome. Statler Auditorium.

11 a.m. Episcopal Church Worship Service. Sage Chapel.

11 a.m. Ithaca Society of Friends (Quakers). Meeting for worship. Anabel Taylor Forum.

8 p.m. *Cornell Cinema presents "To Have and Have Not." Uris Hall Auditorium.

Monday, March 27

12:15 p.m. Shulhan Ivri - Hebrew Table. Lunch with other Hebrew speakers. Rockefeller 159.

3:30 p.m. Henry A. Carey Lecture on Civil Liberties: "Recreation Policy on the Public Lands," Joseph L. Sax, University of Michigan Law School and Visiting Fellow at the Center for Advanced Studies, Stanford, California. Sponsored by the Cornell Law School and Department of Natural Resources. Myron Taylor Moot Court Room.

4 p.m. Jugatae Seminar: "The Ecology and Life Histories of Temperate and Tropical Populations of the Black Swallowtail Butterfly, Papilio Polyxenes," Bill Blau, Ecology and Systematics. Caldwell 100.

4:30 p.m. Fundamentals of Jewish Thought. Anabel Taylor G-30.

5 p.m. Beginning Hebrew Conversation. Anabel Taylor Edwards Room.

7:30 p.m. Twig Fellowship, sponsored by The Way Campus Outreach. Balch Unit 2 Study Room.

7:30 p.m. "America and World Community": "Genetic Disease and Genetic Engineering—Threat or Promise?" Adrian Srb, Genetic Development. Anabel Taylor One World Room.

7:30 p.m. Food Science 150 Lecture: "Relationship Between Diet, Nutrition and Cancer," T. Colin Campbell, Nutritional Sciences. Uris Hall Auditorium.

7:45 p.m. Ornithology Seminar. Public welcome. Stuart Observatory, 159 Sapsucker Woods Road.

9 p.m. *Cornell Cinema presents "Cleo from 5 to 7." Film Club members only. Uris Hall Auditorium.

Tuesday, March 28

12:15 p.m. Cornell Women's Caucus. Ives 118.

3 p.m. *Cornell Varsity Lacrosse-Hobart. Schoellkopf.

3:30 p.m. Henry A. Carey Lecture on Civil Liberties: "Recreation Policy on the Public Lands," Joseph L. Sax, University of Michigan Law School and Visiting Fellow at the Center for Advanced Studies, Stanford, California. Sponsored by the Cornell Law School and the Department of Natural Resources. Fernow 304.

4:30 p.m. Department of Geological Sciences Seminar: "Geochemistry and Petrology of Volcanic Rocks from Indonesia: Implications for Island Arc Petrogenesis," David Whitford, Carnegie Institute of Washington. Thurston 205.

4:30 p.m. Society for Evolutionary Botany Seminar: "Hallucinogenic Plants of the New World: Botany, Chemistry, and Role in Primitive Societies," Richard Evans Schultes, director, Harvard Botanical Museum. Bradfield 101.

4:30 p.m. Messenger Lecture Series: "Revival and Metamorphoses of the Gods in Nineteenth Century Art and Literature": 1. "The Passing of the Gods," Jean Seznec, The Marshal Foch Professor of French Literature, Emeritus, University of Oxford. The public is invited. Malott Hall 251.

5 p.m. Southeast Asia Film Series: "Wayang Kulit: Javanese Shadow Puppet Theatre." Morrill Hall 106.

5:15 p.m. Episcopal Church at Cornell Evening Prayer. All welcome. Anabel Taylor Chapel.

7:30 p.m. Folk Dancing for Couples. Singles, beginners, all ages welcome. Martha Van Rensselaer Auditorium.

8 p.m. *Cornell Cinema presents "A Free Woman." Uris Hall Auditorium.

8 p.m. Jewish Grad Group with J.M. Weinstein, speaking on Biblical Archeology. Sage Main Lounge.

Wednesday, March 29

4 p.m. B'nai B'rith Hillel Foundations presents Elie Wiesel, noted Jewish writer and lecturer speaking on "Being a Jew Today." Straight Memorial Room.

Thursday, March 16, 1978

4:30 p.m. Messenger Lecture Series: "Revival and Metamorphoses of the Gods in Nineteenth Century Art and Literature": 2. "After Strange Gods," Jean Seznec, The Marshal Foch Professor of French Literature, Emeritus, University of Oxford. Malott 251.

4:30 p.m. Japanese Film Series: "Tokyo Story" (Ozu, 1951). Sponsored by China-Japan Program. Uris Hall Auditorium.

4:30 p.m. Public Lecture: "Origin of the Earth and Moon," A.E. Ringwood, Research School of Earth Sciences, Australian National University and A.D. White Professor-at-Large. Kimball B-11.

7:30 p.m. International Folk Dancing. Instruction and requests. Straight Memorial Room.

7:30 p.m. Cornell Gay Liberation meeting. Straight Room 28.

7:30 p.m. "America and World Community": "Genetic Disease and Genetic Engineering—Threat or Promise?" Adrian Srb, Genetic Development. Anabel Taylor One World Room.

7:30 p.m. Twig Fellowship, sponsored by The Way Campus Outreach. Balch Unit 2 Study Room.

8 p.m. *Cornell Cinema presents "A Free Woman." Uris Hall Auditorium.

8:30 p.m. Cornell Backgammon Club. Noyes Center 3rd floor lounge.

Thursday, March 30

12 noon. Bible Study. Episcopal Church at Cornell. Everyone welcome. Anabel Taylor G-3.

12 noon. Women's Studies Colloquia: "A Model for Reducing Sex Stereotyping and Bias in Secondary Vocational Education," Charlotte Farris, Community Service Education. I&LR Conference Center 320.

4 p.m. Open Prose and Poetry reading. All welcome. Goldwin Smith Temple of Zeus.

4:30 p.m. Astronomy and Space Sciences Colloquium: "The Intergalactic Medium in Near-by Groups of Galaxies," K.Y. Lo, University of California, Berkeley. Space Sciences 105.

4:30 p.m. Messenger Lecture Series: "Revival and Metamorphoses of the Gods in Nineteenth Century Art and Literature": 3. "The Awakening of the Centaur," Jean Seznec, The Marshal Foch Professor of French Literature, Emeritus, University of Oxford. Malott 251.

7 p.m. The Christian Science Organization welcomes students, staff and campus visitors to the weekly readings and testimonies meeting. Anabel Taylor Founders Room.

7 p.m. Zoo Animal Talk: "Exotic Radiology and Anesthesiology," Victor Rendano and Charles Short. Schurman D-215.

7:30 p.m. Israeli Folk Dancing. Anabel Taylor One World Room.

8:15 p.m. Council for the Creative and Performing Arts presents Tsun-Yuen Lui. Traditional works and original compositions for the Chinese Ch'in and P'i-pa. Barnes Auditorium.

Friday, March 31

12:15 p.m. Eucharist, Episcopal Church at Cornell. Anabel Taylor Chapel.

12:15 p.m. Women's Studies Friday Seminar: "Witches, Saints and Lady Macbeth: Three Stereotypes of Women in Literature," Barbara Kauber, Vet College. I&LR Conference Center 105.

12:20 p.m. "Personal Liberation and Systemic Change," a bag lunch study seminar sponsored by CRESP. Anabel Taylor Forum.

1 p.m. SALAT-AL-JUMA (Friday prayer for Muslims). Anabel Taylor Edwards Room.

3-7 p.m. Happy Hour. North Campus Thirsty Bear Tavern.

3:30 p.m. Geological Sciences Seminar: "The Case History of an Oil Field," Dick Donley, Cities Service Corp. Thurston 205.

4-6 p.m. Happy Hour. Noyes Center Pub.

7:30 p.m. Pentangle II Free Film Series presents an evening of animated films. Uris Hall Auditorium.

8 p.m. Cornell Folk Song Club Sing with Robin and Linda Williams. Balch 2 Lounge.

8 p.m. *Cornell Cinema presents "Doctor Zhivago." Statler Auditorium.

9:30 p.m. *Cornell Cinema presents "An American Friend." Uris Hall Auditorium.

10 p.m. Tammany Niteclub presents Dawn Fotopulos and Lon Hoyt, pianist and vocalist. Risley College.

12 midnight. Tammany Niteclub presents Triad, guitarist and vocalist. Risley College.

12 midnight. *Cornell Cinema presents "Rocky Horror Picture Show." Uris Hall Auditorium.

Announcements

Intramural Horseshoes (Men, Women, Co-ed). The deadline on entries is Thursday, March 30 at 4 p.m. in the Intramural Office, Grumman Squash Courts Building. Minimum of 2 to enter. Straight elimination tournament.

Intramural Wrestling. The deadline is Monday, April 3 at 5:30 p.m. in the locker room, Teagle Hall. Weighing-in constitutes entry and must be done by the individual between 2:30-5:30 p.m. Tournament starts Tuesday, April 4 at 5 p.m. One person at a given weight per team. Weights: 130, 145, 155, 165, 180 and heavyweight.

Free guided public tours every Saturday at 2 p.m. and Sunday at 2:30 p.m. Tours last approximately 45-60 minutes. Johnson Museum of Art.

Exhibits

Sibley Dome Gallery: Senior Thesis Exhibition of paintings by Don Lewis and sculptures by Larry Nielsen, through March 18. Gallery is open 9 a.m. to 5 p.m.

Olin Library, History of Science Collection: "Marcello Malpighi, 10 March 1628—29 November 1694: the 305th Anniversary of his Birth," through March.

Olin Library: "Delights to the Eyes—Shells and Books." Shells from the waters bordering nearly every continent, through April 27.

Uris Library: Book jackets which have won design awards from the American Association of University Presses, through March 17.

Herbert F. Johnson Museum: "The Linear Tradition: Selected Drawings from the 18th to the 20th Century," through March 19; "Indian Drawings from the Paul Walter Collection," through April 16; "Sara Roby Foundation Collection: Selections," through June 4; "Art Insights: Making Senses," through April 15.