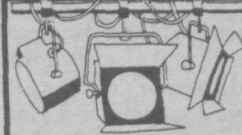


Cornell CHRONICLE

Volume 20 Number 10 October 27, 1988

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"Fool on the Hill," a new novel



3

"Bette and Boo" to open Nov. 2

8

Cornell Club in New York City



Jill Peltzman
Joyce Lindorff, harpsichord, and Sonya Monosoff, violin, rehearse Biber's "15 Mystery Sonatas," which they'll perform on Nov. 12 as part of Cornell's Festival of Czech Culture. Each of the sonatas requires a different tuning of the violin.

Writing programs lead latest teaching initiatives

Programs to improve the writing of student scientists and engineers are among the 10 projects receiving funding in the latest round of Cornell's five-year, \$5 million President's Fund for Educational Initiatives.

So far, \$1.9 million has been awarded to develop 21 new courses and redesign eight classes, buy equipment, develop computer software and support other proposals to enhance undergraduate education at Cornell, according to President Frank H.T. Rhodes.

The President's Fund was created "to encourage creative linkages between the disciplines and particularly between professional and liberal education," Rhodes said.

"This program has helped people rethink undergraduate education and helped faculty try things that they've had a desire, but no money, to do," said Larry I. Palmer, vice president for academic programs. "If we're going to change the style and substance of undergraduate education, the institution has to change, and these awards are helping make that possible."

Previously, awards were made to proposals by individual faculty members. Beginning with this latest round, only collegewide proposals from deans or program directors are being funded in an attempt to affect the overall direction of undergraduate education rather than improve isolated courses, Palmer said.

The major awards in the latest round will expand writing programs in the College of Arts and Sciences and the College of Engineering. Each program will receive \$250,000 to begin building on the success of the university's John S. Knight Writing Program, in which all freshman are required

to take two writing seminars in social science or humanities subjects. The new efforts will require upperclassmen to do more writing as part of their science, social science and engineering studies, Palmer said.

"We want to make writing a habit of the mind," Palmer said. "Writing is not a separate skill to be taught off by itself. It is a way of teaching students how to think systematically, and it should be a part of any course."

In the College of Arts and Sciences, for example, nine writing courses will be added in each of the next three years, and writing components will be introduced into existing courses in chemistry, mathematics, physics and biology, Palmer said.

"Writing is an indispensable part of thinking," said Harry E. Shaw, director of the Knight Writing Program. "Success will depend upon the extent to which we can persuade faculty across the college that writing has a living connection with thought in their disciplines."

In the College of Engineering, the new money will be used to expand a one-year-old writing program by offering a course in engineering communication and by holding seminars to help faculty integrate writing assignments into existing courses.

"Writing and public speaking are crucial to engineering practice — not merely secondary aspects of it," said Steven Youra, director of the Writing Program in Engineering. "Much of an engineer's time involves composing reports and proposals and delivering formal presentations."

The President's Fund also made the fol-

Continued on page 7

Two win award for best foreign-language software

What started five years ago as a hope of combining a bilingual word processor with a data base to help teach foreign languages has turned into prize-winning software that is helping students at a dozen colleges and universities to learn French.

"Systeme-D: Writing Assistant for French," has been called "arguably the most ambitious, innovative and sophisticated foreign language microcomputer software on the market" by the Journal of the American Council of the Teaching of Foreign Languages. A report in Foreign Language Annals said the program "surpasses any other commercial foreign-language microcomputer program."

On Oct. 26, the program was named the country's best foreign-language software at a Washington, D.C., convention of members of EDUCOM, a consortium of colleges and universities interested in computer issues. The award competition was conducted by the National Center for Research to Improve Postsecondary Teaching and Learning, which is based at the University of Michigan.

Variations of "Systeme-D" also are, or soon will be, used to teach Spanish, Portuguese, Italian and Quechua, which is spoken by Indians in Central and South America. The Spanish version is called "Salsa"; and the Quechua version, "Runa Simi."

All of the recognition leaves one of the program's authors, James S. Noblitt, who calls himself a "plain old vanilla professor" with no special training in computer programming, enthusiastic about the role of computing in the humanities.

"This is a second renaissance," said Noblitt, a professor of linguistics, adding, "The secondary literature on Dante is so volumi-

nous that it can't be read in a lifetime. But a scholar studying Dante uses computers to find answers to his particular questions about Dante's writings."

"Textbooks take you from one lesson to the next in a linear fashion. But what is the first fact of French? This software finds the right moment to introduce something, which is when the student asks a question. That's when learning takes place."

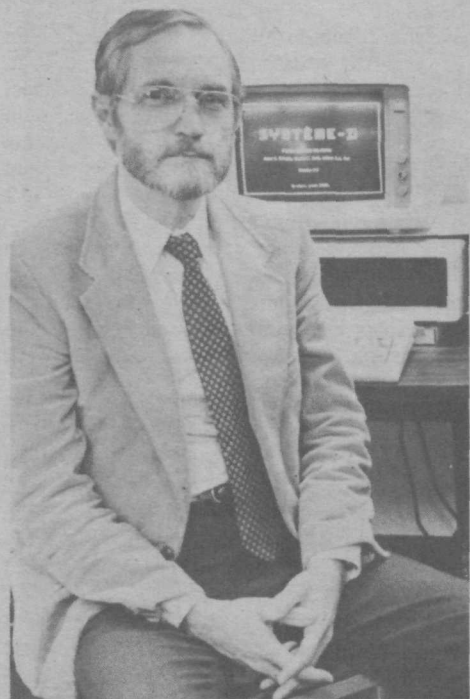
The new computer program is the brainchild of Donald F. Sola, also a professor of linguistics at Cornell, who wondered what kind of learning tool could be created by combining bilingual dictionaries and grammar references with a relational data base to sort through the information. Sola, an expert in the Quechua language, suggested writing a computer program to Noblitt and to doctoral student William J.A. Pet, a computer wizard who now is computer and linguistics consultant at the Summer Institute of Linguistics in Suriname.

At the time, Noblitt was engaged in a computer-assisted revision of his French textbook, and the three scholars decided to build their program around French and Quechua, ensuring that the program would be adaptable to more than one language.

They and 300-plus additional Cornell researchers received more than 400 personal computers and other support from IBM's Project Ezra, named for Ezra Cornell, and set up to encourage faculty and students to create innovative computer uses.

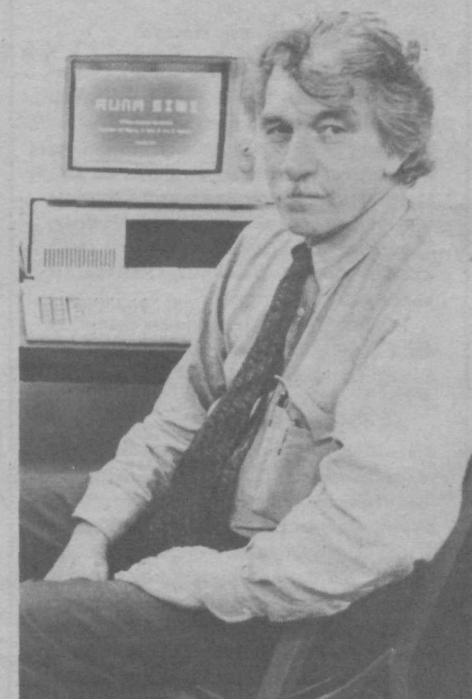
Sola is collaborating with colleagues at Johns Hopkins and Harvard universities and at the Universities of Chicago, Pittsburgh and Illinois to apply the program to Spanish, Portuguese and Italian. They hope

Continued on page 7



James S. Noblitt

Jill Peltzman



Donald F. Sola

Jill Peltzman

Briefs

■ **Open house:** There will be an open house with refreshments in the newly completed Food Science Laboratory adjacent to Stocking Hall on Nov. 2 starting at 3 p.m. The Department of Food Science in the College of Agriculture and Life Sciences is inviting all members of the Cornell community to visit the new facility.

■ **Kristallnacht remembered:** Yiddish culture is being celebrated on campus with a series of events sponsored by the B'nai B'rith Hillel Foundation at Cornell in commemoration of the 50th anniversary of "Kristallnacht" Nov. 9 and 10 in 1938 when the Nazis smashed the windows of synagogues and Jewish-owned businesses throughout Germany.

There will be a free showing of Arthur Cantor's film on Yiddish theater in America, "The Golden Age of Second Avenue," tonight at 7 p.m. in Room LO-4 of Uris Library.

See the Chronicle calendar for details of a klezmer concert on Oct. 29 at 8 p.m. in Goldwin Smith Hall and a performance of Sholom Aleichem monologues on Nov. 2 at 8 p.m. at the Commons Coffeehouse in Anabel Taylor Hall.

■ **Video camera:** A video camera is available for use by visitors during the final weeks of the exhibit at the Johnson Museum of Art of media art by artists in Buffalo. Visitors to the exhibition can use the camera to shoot aspects of the exhibition or other subjects in the immediate area and then watch on a nearby monitor what they and others have shot. The show runs through Nov. 12.

■ **Scholarly interests:** The Office of Sponsored Programs in Day Hall has established a data base on the Cornell mainframe with some 800 records of the research and scholarly interests of faculty, senior research and extension associates, and academic librarians on the Ithaca and Geneva campuses.

Printouts of the data base, which will be periodically updated and expanded, are available at academic department offices and at the Office of Sponsored Programs. Material is being gathered at the Medical College to be added to the data base.

For more information and details for gaining access to the data on the mainframe, call Araxy Terzian at 255-5014.

■ **Breakfast with Rhodes:** A limited number of places are available for students to sign up for breakfast with President Frank H.T. Rhodes.

His office telephone number is 255-5201. The breakfasts are held from 7:30 to 8:30 a.m. in the Elmhurst Room of Willard Straight Hall at various times during the year. Reservations are made on a first-come, first-served basis.

Cornell Chronicle

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It is the policy of Cornell University to support actively equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, age, or handicap. The university is committed to the maintenance of affirmative action programs that will assure the continuation of such equality of opportunity.

Plant physiologist to head Ecosystems Research unit

Leonard H. Weinstein, plant physiologist and program director for environmental biology at the Boyce Thompson Institute for Plant Research, has been named director of the Ecosystems Research Center at Cornell.

A specialist in air pollution's effects on plants, Weinstein takes the place of Robert W. Howarth, who will continue a research association with the center. The center's founding director, Simon A. Levin, is now director of the Center for Environmental Research at Cornell.

The Ecosystems Research Center is one of two "think tanks" devoted to stressed ecosystems and funded by the Environmental Protection Agency. It was established in 1980 to assess and evaluate knowledge on whole biological communities and ecosystems and to investigate the applicability of ecological principles to environmental regulation and management.

ERC has a core staff of nine scientists and five associates at Cornell and has published more than 140 reports on such questions as environmental-risk management, biotechnology and the effects of air pollution on plant-pest interactions.

Weinstein holds the title of W.B. Thompson Distinguished Scientist at the

Boyce Thompson Institute, an independent laboratory here on the campus. Weinstein received a B.S. in landscape horticulture from Pennsylvania State University in 1949, an M.S. in plant pathology and entomology from the University of Massachusetts in 1950 and a Ph.D. in plant physiology from Rutgers University in 1953.

Weinstein said the ERC, which is a unit of the Center for Environmental Research, will continue to respond to major current and future problems affecting ecosystems. Ecosystems are the communities of all living organisms in particular portions of the environment. A complementary research and analysis effort within the Center for Environmental Research, called the Global Environment Program, considers ecological problems on a larger scale, he noted.

The new ERC director said he hopes the center will become "more eclectic in its funding" by supplementing EPA support with research grants from foundations, industry and other government agencies. Weinstein said the center is expected to expand by adding researchers who are not affiliated with the university as well as more of those on the faculties and staffs of Cornell and Boyce Thompson Institute.

Structural engineer to discuss building bridges with the arts

David Billington, a structural engineer from Princeton University, will make his second annual visit to Cornell as an A.D. White Professor-at-Large Nov. 1 through 10.

Last year, Billington became the first engineer elected as an A.D. White Professor. He was described as "a structural engineer, definer and critic of structural art and historian of technology."

The highlight of his visit will be a public lecture, "University Education in a Technological Age," on Nov. 2 at 4:30 p.m. in the Hollis E. Cornell Auditorium of Goldwin Smith Hall. Billington will draw on his course at Princeton entitled "Structures and Machines," which he teaches to undergraduates in the liberal arts.

Billington also will conduct a faculty colloquium on the topic, in which he will

illustrate a teaching style that can aid the integration of engineering and the liberal arts. He will examine how an understanding of technology and the liberal arts can affect modern university education. About 20 faculty from various colleges have been scheduled to participate in the colloquium, according to John Abel, professor of structural engineering.

Billington is author of "The Tower and the Bridge: The New Art of Structural Engineering," a historical analysis of the engineering and aesthetics of public structures from the early 1800s to the present. A graduate of Princeton, he has never taken an advanced degree, but he has been a full professor of civil engineering at Princeton since 1964. He also has worked as a practicing structural designer and is a member of the National Academy of Engineering.

Obituaries

Forrest F. Hill

Forrest F. Hill, provost of the university from 1952 to 1955 and chairman of the Department of Agricultural Economics from 1943 to 1952, died on Oct. 20 in Cortland Memorial Hospital. He was 87.

Hill, whose career was marked by leadership positions in national and international agriculture, joined the Cornell faculty in 1930, the same year he received a doctorate in agricultural economics from the university.

A specialist in farm management, agricultural credit, marketing and land economics, he served with the Federal Farm Credit Administration from 1933 to 1939. He was deputy governor of the administration from 1934 to 1938, when he was named governor. He played a key role in the federal program for refinancing farmers during the Depression.

He returned to Cornell in 1940. After serving three years as provost under President Deane W. Malott, Hill left Cornell to become vice president of overseas development for the Ford Foundation. He was chairman of the board of the International Rice Institute from 1962 to 1976, when he retired and returned to Ithaca. He lived at

701 The Parkway.

Hill was born on a Kansas farm and grew up on a wheat farm in Saskatchewan. He received a bachelor's degree from the University of Saskatchewan in 1923 and in the following year took up graduate study at Cornell.

Survivors include a daughter, Margaret Jean Hill, of Fayetteville, and a brother, Howard Hill, of Florida.

Memorial gifts may be made to the Alzheimer's Disease Association, 360 N. Michigan Ave., Chicago, Ill. 60601.

Fred Small

Fred J. Small Jr., who retired from the university in 1982 after 25 years as a plumber, died Oct. 21 at Robert Packer Hospital. He was 64.

He was born in Ithaca, he served with the U.S. Navy during World War II, and he was a member of the Plumbers and Pipe Fitters Union Local 109. Small lived at 312 N. Titus Ave. in Ithaca.

Survivors include a son, James M. Small of Ithaca; a daughter, Patricia Ann Radzik of Lancaster, Pa.; two grandchildren and two great grandchildren; and two brothers and three sisters.

Notable

Jane Davenport, Arts '90, and Laura Leasburg, Ag '90, took first place for the second consecutive year in the annual campuswide Cornell Class of 1894 Debate Tournament. They triumphed over 13 two-person teams, winning a cash prize of \$275 each. The second place awards worth \$175 each went to the team of Andrew Jacobs and Cam Jones, both Arts '89.

Semifinalists Jody Kruger and Elaine Chiu, both juniors, and Larry Rosenberg and Peter Smiley, both seniors, received cash prizes of \$75 each. The Best Novice Team award worth \$50 for each team member went to sophomores James Dumas and Laura Pagano.

Physicist to discuss 'big science' versus 'little science'

Nuclear physicist and author Alvin M. Weinberg will speak on "Scientific Choice: Big Science or Little Science?" today at 4:30 p.m. in the Kaufmann Auditorium of Goldwin Smith Hall.

Weinberg is a distinguished fellow at the Institute for Energy Analysis, Oak Ridge Associated Universities. His lecture is sponsored by the College of Engineering, the Program on Science, Technology and Society, the Department of Physics and the University Lectures Committee.

"Big science" describes mammoth projects such as the superconducting supercollider (SSC), the most costly science machine ever attempted, or the mapping of the human genome, which is expected to cost \$3 billion. Critics of U.S. science policy fear that concentrating resources on a few "big science" projects deprives thousands of equally important, smaller efforts.

Weinberg is a leading figure in the development of nuclear energy for land-based power plants and submarines and is the co-author of "The Physical Theory of Neutron Chain Reactors."

His interest in the interaction between modern technology and society is expressed in essays in which he coined phrases that are now part of everyday language, including "big science," "technological fix," and "Faustian bargain." His essays were published in a collection, "Reflections on Big Science."

In his talk, Weinberg also will discuss carbon dioxide and the greenhouse effect.

A member of the National Academy of Science and the American Academy of Arts and Sciences, Weinberg has received numerous awards for his contributions to the development of nuclear energy, including the Atoms for Peace Award, the Harvey Prize, the Heinrich Hertz Award and the Enrico Fermi Award and the E.O. Lawrence Memorial Award of the Atomic Energy Commission.

—Roger Segelken

Plants' gene action topic of BTI lecture

How plants turn their genes on and off in response to stress, such as excessive heat, too much or too little water and even insect attack will be discussed when Australian molecular biologist W.J. Peacock presents the Boyce Thompson Institute Distinguished Lecture in the Life Sciences on Nov. 4 at 2 p.m. in the institute's auditorium.

Peacock's group was one of the first to describe "transposable elements," which are bits of DNA that jump in and out of genes.

Transposable elements have been used to "tag or mark" genes of agricultural interest, such as stress response genes.

In his lecture, "Control of Plant Gene Action and Its Implications to Agriculture," Peacock will describe a new molecular tool known as "gene shear," or "riboenzyme," which can block expression of undesirable genes in plants. He will discuss how this tool could be used to develop new improved crop varieties.

Peacock is chief of the Division of Plant Industry at the Commonwealth Scientific and Industrial Research Organization in Australia and currently chairman of the International Board for Plant Genetic Resources in Rome.

Recycle this paper

... along with computer print-out, colored paper and other newsprint, including old campus telephone directories. Remove the front and back covers and recycle the rest of the directories, which are printed on newsprint.

'87 graduate weaves fantasy, reality in Cornell setting

That Cornell's campus is a popular hang-out for dogs is well known to faculty and students. That these dogs communicate telepathically with one another and hold clandestine convocations to answer the five questions of ultimate wisdom — that's a secret.

Secret until now, that is. Matt Ruff, a 1987 Cornell graduate, tells all in his first book, "Fool on the Hill," being published by The Atlantic Monthly Press.

Sprites, visible only to the occasional drunk, sail boats on Beebe Lake and fight off a fierce attack by an army of rats, and a storyteller uses his imagination to conquer a fire-breathing dragon to save his lover in Ruff's romantic, violent story of "a shadow Cornell; like the real one yet unlike it."

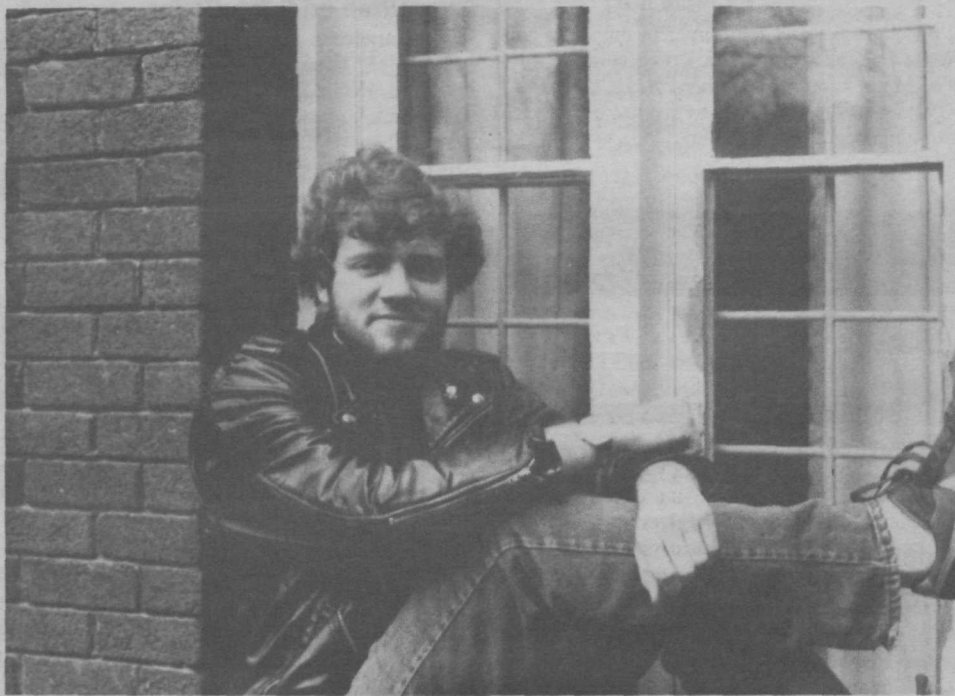
Written as his senior thesis, Ruff's novel is praised as "a comic fantasy of wonderful energy, invention and generosity of spirit" by Pulitzer Prize-winning novelist Alison Lurie, who was one of Ruff's professors.

"It marks the start of what should be a remarkable career," said Lurie. "Matt has a wildly fantastic and comical imagination. He's a natural."

A Publisher's Weekly review said that "this exuberant first novel brims with good humor and imagination" but criticized it for being "packed with self-conscious, punning references. Too many of Ruff's narrative devices exist only to spotlight the author's cleverness," the reviewer wrote. The 22-year-old author agrees.

"Sometimes I'm a little too tongue-in-cheek in my writing," he said. "And I don't know if I'd have the guts to put in as many story lines again. The first 100 pages threaten to scare readers away."

In those first 100 pages, readers meet a Wisconsin woman, her ill-chosen fiancé and her marijuana-smoking father; a dog and a



Matt Ruff

cat who leave home to search for heaven; Calliope, a lady who changes her physical appearance to match her suitor's ideal woman; a storyteller named Mr. Sunshine; university founder Ezra Cornell; and the Bohemians, Harley- and horse-riding students who are too weird to live anywhere on campus except in one dorm: Prudence Risley Residential College.

"I like hanging out with outcast groups; Risley has that reputation," Ruff said of the dorm where he lived during his junior and senior years. What is weird about Ruff? "On the Arts Quad, I always walked along

the footpath rather than on it," he said. "I never figured out why."

A reception and launch party for the book, open to any former residents of Risley and others who will be invited, will be held at Risley beginning at 7 p.m. on Nov. 5. Ruff will read from his novel on Nov. 3, beginning at 4:30 p.m. in the Temple of Zeus cafeteria in Goldwin Smith Hall, and he will sign copies of his book from 1 to 3 p.m. on Nov. 5 at Cornell's campus store.

In "Fool on the Hill," the Bohemians tangle with the fraternity brothers of Rho Alpha Tau, a monster escapes from its grave

and comes to life in a plastic party doll, and students attend a Halloween party in Tolkien House, where they are entertained in an underground forest. And Stephen Titus George, a thriving writer looking for a story and longing for love, finds both.

"Yeah, I'm Stephen Titus George," Ruff said. "A lot of the characters have part of me in them. But I've changed."

In the novel, for example, Stephen Titus George owes his writing success to the inspiration induced by "the want of a steady girlfriend." Now Ruff lives with his steady girlfriend in Seattle, but he still is inspired to work daily on another novel, "Venus Envy."

Ruff was born in New York City, the son of a minister — a point he shared automatically because "being a minister's son is a different thing to be. You're either straight-lace or rebellious; I'm the second kind."

He attended Cornell because it has an early-admission program and because he liked the arcade he visited in Ithaca's College-town neighborhood on the rainy day that he visited the university.

"I didn't know much about Cornell until I got there, but I loved it," Ruff said. During his first two years of college, the ideas for five different books about Cornell started dancing in his head. In his junior year, he decided to weave them together in the book that became "Fool on the Hill." When Lurie read his manuscript, she suggested to Ruff that he submit the book to her agent.

"It took a while to sink in" after The Atlantic Monthly Press offered him a \$17,500 advance for world rights to the book, Ruff said. "I'm still trying to imagine how people will receive this thing."

—Mark Eyerly

Math professor reappointed director of Mathematical Sciences Institute

Mathematics Professor Anil Nerode has been reappointed director of Cornell's Mathematical Sciences Institute, and the institute has received a new grant from the Department of the Army.

Nerode will serve as MSI's director until June 30, 1992, according to Joseph Ballantyne, vice president for research and advanced studies. MSI is the largest math research center in the country. A special \$130,000 grant from the Army to purchase equipment will make possible improved computer graphics and animation in math research.

"Under Anil Nerode, the MSI has continued to offer a model for the future of both pure and applied math research. We expect his continued excellent leadership to ensure the institute's success," Ballantyne said.

Nerode was appointed MSI director in 1987, one year after the institute was established as the Army's national center for excellence, as a result of faculty efforts led by Geoffrey Ludford.

Nerode's own research focuses on logic and computer science. He served as chairman of Cornell's mathematics department from 1982 to 1987. In that role, he led in establishing a master's program in computer science for Ph.D. students in mathematics and developed the math department into the most computer-oriented such department for re-

search and teaching in the country.

MSI was organized, with a five-year, \$12.5 million contract with the Army, to perform unclassified mathematical research in applied analysis, physical mathematics, numerical analysis and computing and statistics and applied probability. MSI has no restrictions on publication.

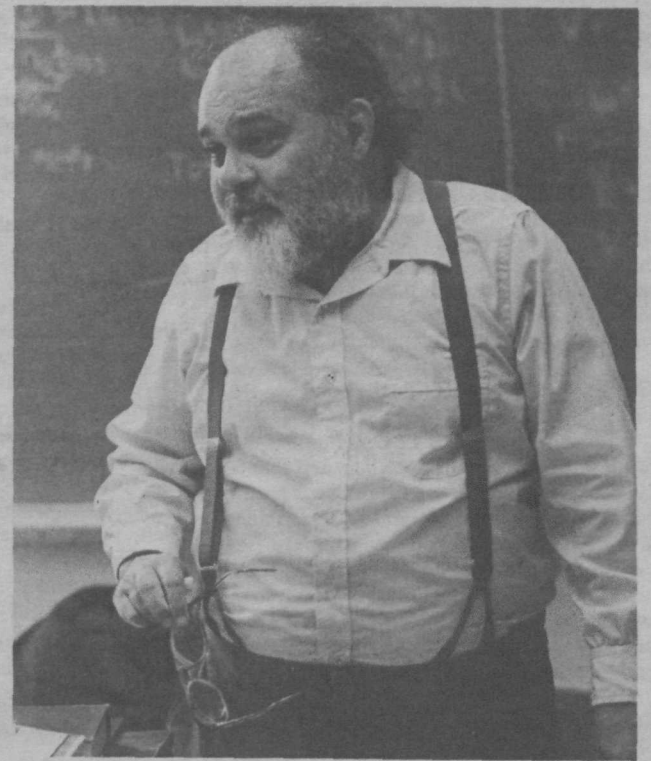
MSI helps the Army obtain expert advice on math-related problems. During the last year, Cornell scientists gave advice on personnel data management, procurement analysis, predictions of battlefield survivability of fiber optic cables, dam safety risk analysis, weapons and vehicle reliability data and quality control in tank production.

MSI funds 20 graduate fellowships each year, supports research by some 30 Cornell faculty, and funds long- and short-term appointments for visiting faculty and postdoctoral associates (a total of more than 80 last year).

There is no mathematical sciences "institute" in the bricks-and-mortar sense. MSI's research is integrated into numerous science and engineering departments.

"When researchers visit here, they work in the individual departments, where they interact with Cornell faculty in computer science, engineering and other disciplines," said Nerode.

—Dennis Meredith



Anil Nerode

Jill Peltzman



Patricia Reynolds

"The Marriage of Bette and Boo," with Kenton Benedict, left, Brendan O'Meara and Antoinette LaVecchia, opens Nov. 2 at the new Center for the Performing Arts.

Performing Arts to feature Christopher Durang comedy

"The Marriage of Bette and Boo" by satirist Christopher Durang opens on Nov. 2 at 8 p.m. in the Class of '56 Flexible Theatre in the new Center for Performing Arts.

This humorous analysis of marriage and the family in contemporary America also will be performed on Nov. 3 and 4 at 8 p.m., on Nov. 5 at 5 p.m. and 9 p.m., and on Nov. 6 at 2 p.m.

"The play traces the marriage between Bette and Boo over 30 years. The relationship is at times sad or angry, and at others it is intentionally funny," said David Feldshuh, director for "Boo" and artistic director for the Department of Theatre Arts.

The play displays Durang's usual biting humor, as found in his acclaimed "Beyond Therapy" and "A History of the American Film," but also has considerable dimension and compassion, Feldshuh added.

"Boo" furthers the interaction between undergraduates and the Department of Theatre Arts' resident professional theater associates.

Antoinette LaVecchia, a student in the

advanced undergraduate theater program, is provided with a challenging role portraying Bette.

Resident professionals Kenton Benedict, who plays Boo, and Michael Stacy, as Carl Hudlocke, make their Cornell debuts in this production.

They are joined by fellow RPTAs Kate Levy as Margaret Brennan and Maria Porter as Soot Hudlocke.

Scenic design is by Jill Moon, costume design by Judy Johnson and sound by Chuck Hatcher.

Tickets for weeknight and matinee performances of "The Marriage of Bette and Boo" are \$3.50 for students and senior citizens and \$4.50 for the general public. Friday and Saturday evening performances are \$4.50 for students and senior citizens and \$5.50 for the general public.

Tickets went on sale on Oct. 25 and can be purchased at the center's box office or ordered by phoning 254-ARTS Monday through Friday between 11:30 a.m. and 5:30 p.m.

CALENDAR

All items for the calendar should be submitted (typewritten, double spaced) by campus mail, U.S. mail or in person to Chronicle Calendar, Cornell News Service, Village Green, 840 Hanshaw Road, Ithaca, NY 14850.

Notices should be sent to arrive 10 days prior to publication and should include the name and telephone number of a person who can be called if there are questions.

Notices should also include the subheading of the calendar in which the item should appear.

DANCE

Cornell Folkdancers

The Cornell community and general public, including beginners, are welcome. Admission is free, unless stated.

Oct. 30, North Room, Willard Straight Hall, instruction and requests from 7-9:45 p.m. For more information, call Wies van Leuken: 257-3156.

Israeli Folkdancing

Israeli folkdancing, Oct. 27, 8:30 p.m., Edwards Room, Anabel Taylor Hall.

EXHIBITS

Johnson Art Museum

The Herbert F. Johnson Museum of Art, on the corner of University and Central avenues, is open Tuesday through Sunday from 10 a.m. to 5 p.m. Admission is free. Telephone: 255-6464.

"Contemporary Art in Czechoslovakia: Selections from the Jan and Meda Mladek Collection," featuring the work of 12 Czech artists and including sculpture, painting, collage and reliefs, will be on view from Oct. 29 through Dec. 23. The artists are: Vladimir Janousek, Magdalena Jetelova, Jiri Kolar, Stanislav Kolibal, Eva Kmentova, Karel Malich, Jiri Naceradsky, Karel Nepras, Ladislav Novak, Adriana Simotova, Otakar Slavik and Ales Vesely. The exhibit was planned in conjunction with Cornell's Festival of Czech Culture, Nov. 4 through 12.

"Sculptures and Pastels by Clara Seley," an exhibition of approximately 20 sculptures and 20 pastels created during the past 20 years, through Nov. 13.

Humorous drawings based on the Johnson Museum's architecture by Gerar Edizel, an art history doctoral candidate specializing in modern art. Among his interpretations are "Limp Museum," after Salvador Dali, "Rubbery Museum," a homage to Thomas Hart Benton and "Museum Without Rooms," after Richard Serra, through Oct. 30.

"Art Faculty Exhibition" featuring works by current and emeritus professors in the art department, including Roberto Bertoia, Stanley J. Bowman, Zevi Blum, Victor Colby, James Cole, Norman Daly, Kenneth Evett, Miriam Hitchcock, John Hartell, Victor Kord, Jean N. Locey, Elisabeth H. Meyer, Eleanore Mikus, Gregory Page, Barry Perlus, Stephen F. Poleskie, Arnold Singer, Kay WalkingStick, Jack L. Squier, and W. Stanley Taft, on view through Nov. 12.

"Media Buff.: Media Art of Buffalo, N.Y.," the eighth part in a series of exhibits by York State artists, is devoted to contemporary video and films from Buffalo, N.Y. It was organized by Richard Herskowitz, adjunct curator of film and video at the Johnson Museum, and will be on view through Nov. 12.

Mann Library

Rare books on the history of lace and techniques of lace making, lace from private collec-

tions, photographs and memorabilia prepared by the Finger Lakes Lace Guild are on display in the lobby of Mann Library, Monday-Friday, 8 a.m. to midnight; Saturdays, 10 a.m. to 6 p.m.; Sundays, 11 a.m. to midnight, through Nov. 28.

FILMS

Films sponsored by Cornell Cinema unless otherwise noted. An (*) means an admission charge.

Thursday, 10/27

"Golden Age of Second Avenue," a film by Arthur Cantor, narrated by Herschel Bernardi, sponsored by Hillel, 7 p.m., LO-4 Uris Library.

"Letters From My Wind Mill" (1954), directed by Marcel Pagnol, with Henri Vilbert, Rellys and Roget Crouzet, sponsored by Pentangle, 8 p.m., Uris.

"El Norte" (1983), directed by Gregory Nava, with Zaide Silvia Gutierrez and David Villalpando, co-sponsored by CUSLAR, 8 p.m., Anabel Taylor.

Friday, 10/28

"Bagdad Cafe" (1988), directed by Percy Adlon, with Marianne Sagebrecht, CCH Pounder and Jack Palance, 7:30 p.m., Uris.*

"Beetlejuice" (1988), directed by Tim Burton, with Alec Baldwin, Geena Davis and Michael Keaton, 9:45 p.m., Uris.*

"Night of the Living Dead" (1968), directed by George Romero, with Judith O'Dea, Russell Streiner and Duane Jones, 8 p.m., Anabel Taylor.*

"The Decline of Western Civilization Part II: The Metal Years" (1988), directed by Penelope Spheeris, midnight, Uris.*

Saturday, 10/29

"Bagdad Cafe," 7:15 p.m., Uris.*

"Beetlejuice," midnight.*

"Dawn of the Dead" (1979), directed by George Romero, with David Emge, Ken Foree, Scott Reiniger and Gaylen Ross, 8 p.m., Anabel Taylor.*

"The Metal Years," 9:30 p.m., Uris.*

Sunday, 10/30

Reviving Ancient Traditions, including the films "Split Dancers of Long Bow Village," "Our God the Condor" and "Joe David: Spirit of the Mask," co-sponsored by CCPA, 2 p.m., Johnson Museum. The second in a series of Sunday afternoon programs, "Art and Artisans: A Celebration of the Margaret Mead Film Festival."

"Beetlejuice," 4:30 p.m., Uris.*

"Raising Arizona" (1987), directed by Joel Coen, with Nicolas Cage and Holly Hunter, 8 p.m., Uris.*

Monday, 10/31

"The Last Supper" (1977), directed by Tomas Gutierrez Alea, with Nelson Villagra, Silvano Rey and Luis A. Garcia, co-sponsored by CUSLAR, 8 p.m., Uris.*

Tuesday, 11/1

"A Journey to Laos, SEAP Film Series, 4:30 p.m., 310 Uris Library.

"Le Paltoquet" (1986), directed by Michel Deville, with Fanny Ardant, Daniel Auteuil and Richard Bohringer, 8 p.m., Uris.*

Wednesday, 11/2

"La Salamandre" (1971), directed by Alain Tanner, with Bulle Ogier, Jean-Luc Bideau and Jacques Denis, 8 p.m., Uris.*

Thursday, 11/3

"1983 Tansen Music Festival," South Asia Program Film Series, 5 p.m., L04 Uris Library.

LECTURES

A.D. White Professor-at-Large

"University Education in a Technological Age," David P. Billington, civil engineering, Princeton University, A.D. White Professor-at-large, Nov. 2, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

Classics

"Grammar, Apostasy and Sodomy," Danuta Shanzer, University of California, Berkeley, Nov. 3, 4:30 p.m., 156 Goldwin Smith Hall.

Committee on Evolutionary Biology

"A Darwinian Approach to Agriculture," Janis Antonovics, botany, Duke University, Oct. 27, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

East Asia Program

"Poetry: The Price of Being Human," Bei Dao, Chinese poet, Nov. 3, 4:30 p.m., 230 Rockefeller Hall.

Einaudi Lecture

"France and 1992: Problems and Perspectives," Michael Bauer, CNRS, Paris, Nov. 2, 4:30 p.m., G08 Uris Hall.

Food and Nutrition Policy

"A Review of Nutrition-Related Policies and Programs in the United States during the Reagan Administration and Their Impact," Laura Sims, dean of the College of Human Ecology, University of Maryland, Nov. 1, 2 p.m., 166 Martha Van Rensselaer Hall.

International Affairs Group/Arab Club

"The Immigrant and the City," Azouz Begag, CNRS, France, Nov. 9, 7:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

Latin American Studies

"The Ideology of the Sandinista Front," Dennis Gilbert, visiting fellow, Oct. 28, 12:15 p.m., G08 Uris Hall.

Near Eastern Studies

"The History of the Hebrew Language," Avi Hurvitz, on sabbatical from Hebrew University, Brandeis and Harvard, Nov. 3, 4:30 p.m., 374 Rockefeller Hall.

Psychology

"Invariants Versus Constancy, And The Prepared Viewer," Dorothea Jameson, University of Pennsylvania, Oct. 28, 4 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall. This is the seventh James J. Gibson Lecture in Experimental Psychology.

Southeast Asia Program

"Political Intervention in Distributing Housing to Lower Income Groups in Malaysia," Razali Agus, SEAP grad, city and regional planning, Oct. 27, 12:20 p.m., 102 West Ave. Ext.

"Nutrition in Indonesia," Malden Nesheim, vice president for planning and budget, Nov. 3, 12:20 p.m., 102 West Ave. Ext.

Preston H. Thomas Memorial Lecture Series in Architecture

British scholar Robin Evans, currently a visiting professor at Harvard University, will give four lectures Nov. 1 through 4 at 5:30 p.m. in 120 Ives Hall. The topics are:

"Drawing Stone: Stereotomy & the Undercutting of Style," Nov. 1; "Le Corbusier: His Modular, His Buildings," Nov. 2; "Three Phases of Fragmentation in Twentieth Century Architecture," Nov. 3; "Architecture and Its Three Geometries," Nov. 4.

MUSIC

Department of Music

Diana McIntosh, composer and performer of instrumental, vocal and electronic music, will give a performance including piano playing, tapes, percussion, spoken voice, acoustical equipment and slides, Oct. 27, 8:15 p.m. in Barnes Hall.

Donald R.M. Paterson, university organist and Sage Chapel choirmaster, will play the Aeolian-Skinner organ, Oct. 28, 8:15 p.m., Sage Chapel. He will play Prelude and Fugue in C minor by Felix Mendelssohn; Canzonetta, Op. 156 by Josef Rheinberger; Sketch in D-flat by Robert Schumann; Prelude on "Iam sol recedit igneus" by Bruce Simonds; and Prelude in E-flat by Camille Saint-Saens. Other works will be Ernst Krenek's Sonata, op. 92; Robert Barrow's Gregorian Prelude I; Eugene Giout's Scherzo, Louis Vierne's Berceuse; and Marcel Dupre's Resurrection.

Pianist Pola Baytelman, currently artist-in-residence at Skidmore College, will give a solo recital on Nov. 2, 8:15 p.m., in Barnes Hall. Her program will feature J.S. Bach's Chromatische Fantasie und Fugue; Franz Schubert's Sonata in C Minor; George Green's Five Pieces for Piano and four small works by Isaac Albeniz.

Bound for Glory

Caryl P. Weiss, traditional and contemporary folk, in three live sets in the Commons Coffeehouse, 8:30 p.m., 9:30 p.m. and 11:30 p.m., Oct. 30. Bound for Glory can be heard from 8 to 11 p.m. on WVBR-FM93.

Council of the Creative and Performing Arts

Concert with Karel Paukert, organist, performing Czech music, assisted by Noriko Fujii, soprano, Nov. 7, 8:15 p.m., Sage Chapel.

Hillel

Klezmer concert with Yale Strom and friends, Oct. 29, 8 p.m., Kaufmann Auditorium, Goldwin Smith Hall. Tickets are \$5, (\$4 for students, \$3 Hillel student affiliates). For more information call 255-4227.

RELIGION

Sage Chapel

Tim McClure, general secretary, British Student Christian Movement, will deliver the sermon at Sage Chapel on Oct. 30. Services begin at 11 a.m. Music will be provided by the Sage Chapel choir, under the direction of Donald R.M. Paterson.

Catholic

Mass: Every Saturday, 5 p.m., every Sunday, 9:30 and 11 a.m., and 5 p.m., Anabel Taylor Auditorium.

Daily Masses Monday through Friday, 12:20 p.m., Anabel Taylor Chapel.

Christian Science

Testimony Meeting: Every Thursday, 7 p.m., Anabel Taylor Founders Room.

Episcopal (Anglican)

Every Sunday, 5 p.m., Anabel Taylor Chapel.

Friends (Quakers)

Sunday, 10 a.m., adult discussion; 11 a.m. meeting for worship, Edwards Room, Anabel Taylor Hall.

Jewish

Morning Minyan: Young Israel House, 106 West Avenue. Call 272-5810.

Reform Services: Friday evenings 5:30 p.m., Anabel Taylor Chapel.

Conservative/Egalitarian Services: Friday 5:30 p.m., Saturday 9:45 a.m., Anabel Taylor Hall Founders Room.

Orthodox Shabbat Services: Saturday 9:15 a.m., Edwards Room, Anabel Taylor Hall.

Korean Church

Every Sunday, 1 p.m. Anabel Taylor Chapel.

Muslim

Sunday through Thursday, 1 p.m., 218 Anabel Taylor Hall. Friday 1 p.m. Anabel Taylor Edwards Room.

Protestant

Protestant Cooperative Ministry: Every Sunday, 11:15 a.m., Anabel Taylor Chapel.

Baptist Campus Ministry (SBC): Every Saturday, 7 p.m., in the Forum, Anabel Taylor Hall.

Zen Buddhism

Zazen meditation: Tuesdays at 7 p.m. and Thursdays at 5:10 p.m. in the chapel or the Edwards Room, Anabel Taylor Hall. For more information or to arrange beginner's instruction, telephone Ian Dobson: 347-4303.

SEMINARS

Agronomy

"Kinetics of Biodegradation in Soil," Kate M. Scow, agronomy, Nov. 1, 4 p.m., 135 Emerson Hall.

Applied Mathematics

"Stability of the p-version of the Finit Element Method for Problems with a Divergence Constraint," Soren Jensen, University of Maryland, Baltimore, Oct. 28, 4 p.m., 322 Sage Hall.

Chaeology
"Reports from the Field," Hirsch Travel
ard recipients, Intercollege Program in Ar-
ology, Oct. 27, 4:40 p.m., 305 McGraw
Hall.

Astronomy
"Formation of Sun-like Stars," Frank H. Shu,
University of California, Berkeley, Nov. 4, 4:30
p.m., 105 Space Sciences.

**Biochemistry, Molecular and
Cell Biology**
"Control of c-myc Expression by a Block to
Proliferation," Mark Groudine, Fred Hutchinson
Cancer Research Center, Oct. 28, 4:30 p.m., 204
Stocking Hall.
Title to be announced, Bryan Cullen, Duke
University Medical Center, Nov. 4, 4:30 p.m.,
204 Stocking Hall.

Physics
"Three Dimensional Design and Action of
Acetylcholine Receptor," Nigel Unwin,
Medical Research Council, Cambridge, Eng-
land, Nov. 2, 4:30 p.m., 700 Clark Hall.

Boyce Thompson Institute
"Control of Plant Gene Action and Its Impli-
cations to Agriculture," W.J. Peacock, chief,
U.S. Dept. of Plant Industry, Commonwealth Scien-
tific & Industrial Research Organization, Aus-
tralia, Nov. 4, 2 p.m., Boyce Thompson Audito-
rium.

Chemical Engineering
"New Developments in the Dynamics of En-
gined Polymers," Matthew V. Tirrell, chemi-
cal engineering and materials science, Univer-
sity of Minnesota, Minneapolis, Nov. 1, 4:15
p.m., 145 Olin Hall.

Chemistry
Title to be announced, James W. Jorgenson,
University of North Carolina, Chapel Hill, Oct.
27, 4:40 p.m., 119 Baker.
"Putting Stress to Work: Organic Synthesis
in Small Ring Building Blocks," Armin de
Meijere, University of Hamburg, Oct. 31, 4:40
p.m., 119 Baker.
Title to be announced, Edith Flanigen, Union
Carbide Corporation, Nov. 3, 4:40 p.m., 119
Baker.

**Cognitive Studies
Linguistics Series**
"Some Questions and Preliminary Results
Regarding Chinese-speaking Children's Acqui-
sition of Quantificational Scope Relations," Yu-
chi Chien, School of Social Science, Univer-
sity of California, Irvine, Oct. 27, 4:30 p.m., 111
Olin Hall.
"Critical Period Effects on Universal and
Specific Properties of Language: Evidence from
Second Language Learning," Jackie Johnson,
visiting fellow, cognitive studies and psychol-
ogy, Nov. 3, 12:15 p.m., 204 Uris Hall.

**Computer Services
(Nighttime Bytes)**
"Using IBM PCs to Teach Human Resource
Management in the School of Industrial and La-
bor Relations," John W. Boudreau, Center for
Advanced Human Resource Studies, Industrial
Labor Relations, Nov. 3, 12:20 p.m., 100
Olin Hall.

Ecology and Systematics
"Control of Mammalian Feeding," A.W.
Crompton, curator of mammals, Museum of
Comparative Zoology, Harvard University, Oct.
28, 12:30 p.m., 206A Stimson Hall.
"Evolution of the Mammalian Jaw Joint and
Middle Ear," A.W. Crompton, Oct. 28, 3 p.m.,
Morison Seminar Room, A106 Corson/Mudd.
"Competition in hydractiniid hydroids," Leo
Morison, biology, Yale University, Nov. 2, 4:30
p.m., Morison Seminar Room, A106 Corson/
Mudd Hall.

Economics
"Policies and Impact Analysis with an Ap-
plied General Equilibrium Model of India," T.N.
Sivasan, economics, Yale University, Oct. 28,
4:30 p.m., 498 Uris Hall.

Education Society
"The Role of Community Colleges in Ameri-
can Education," Eduardo Marti, president,
Hopkins Cortland Community College, Nov.
2, 12:20 p.m., 131 Roberts Hall.

Electrical Engineering
"Optical Disk Read/Write Head Design,"
David B. Kay, Eastman Kodak Co., Rochester,
Nov. 1, 4:30 p.m., 219 Phillips Hall.

Entomology
"Changes in Plant Acceptability to Phytoph-
agous Insects as a Result of Experience," Eliza-
beth A. Bernays, University of California,
Berkeley, Oct. 31, 4 p.m., Morison Seminar
Room, A106 Corson/Mudd Hall.

Environmental Toxicology
"Pathologic Lesions in Early Life Stages of
Lake Trout Exposed to 2,3,7,8-tetrachlorod-
ibenzo-p-dioxin (TCDD)," Jan Spitsbergen, avian
& aquatic medicine, Oct. 28, 12:20, 304 Femow
Hall.
"Isozyme Specific Inhibition of Cytochrome
P-450s," Michael Murray, West Meade Hospital,
Department of Medicine, Sydney, Australia, Oct.
31, 12:20 p.m., 304 Femow Hall.
"Setting Priorities Among Food Related
Risks," Alan Rulis, Food and Drug Administra-
tion, Washington, D.C., Nov. 4, 12:20 p.m., 304
Femow Hall.

Ethics and Public Life
"Foundations of Environmental Policy," dis-
cussion of Mark Sagoff's book, "The Economy of
the Earth," Oct. 31, 12:15 p.m., 609 Clark Hall.

Floriculture/Ornamental Horticulture
"Garden Festivals - A New Approach to Urban
Waterfront Redevelopment," Peter Trowbridge,
landscape architecture, Oct. 27, 12:15 p.m., 404
Plant Science Bldg.
"Diurnal Water Flux Patterns in Kentucky
Bluegrass," Mark Carroll, doctoral candidate,
Nov. 3, 12:15 p.m., 404 Plant Science Bldg.

Food Science & Technology
"Nitrosamine Formation and Mutagenicity of
Nitrate-Treated Chinese-Style Salted Fish," Yih-
Ming Weng, food science, Nov. 1, 4:30 p.m., 204
Stocking Hall.

International Nutrition
"Forum on Poverty Alleviation Versus Tar-
geted Approaches to Control Malnutrition," a
round table discussion moderated by Michael C.
Latham, Program in International Nutrition, Oct.
27, 12:40 p.m., 200 Savage Hall. Panel members
are: Per Pinstrup-Andersen, Roger Shrimpton and
Erik Thorbecke.
"The Consequences of Economic Policy Re-
form on Low Income Households," David E.
Sahn, Food and Nutrition Policy Program, Nov. 3,
12:40 p.m., 200 Savage Hall.

Latin American Studies
"Ecological Context and Consequences of Ag-
ricultural Development in Nicaragua," Alison
Power, ecology and systematics, Nov. 1, 12:15
p.m., 153 Uris Hall. (Research Group on Latin
American Environmental Issues)

Mechanical & Aerospace Engineering
"High Flux Boiling Applied to Thermal Con-
trol of Micro-Electronic Devices," Arthur E.
Bergles, Rensselaer Polytechnic Institute, Nov. 1,
4:30 p.m., 282 Grumman.

**Mechanical & Aerospace
Manufacturing Engineering**
"Successful Design and Implementation of
CIM Systems," Jack Bradt, SI Handling Systems,
Oct. 27, 4:30 p.m., B14 Hollister Hall.
"Why Quality?" Irving DeToro, The Quality
Network, Nov. 3, 4:30 p.m., B14 Hollister Hall.

Microbiology
"Evolution of Circumsporozoite Protein Genes
of Malaria Parasites," David Amot, New York
University Medical Center, Oct. 31, noon, G-3
Vet Research Tower.
To be announced, Robert McLean, Queens
University, Nov. 3, 4:30 p.m., 124 Stocking Hall.

Natural Resources
"Wetland Cumulative Impact Assessment: The
Interplay Between Policy and Science," Barbara
Bedford, Ecosystem Research Center, Oct. 27,
12:20 p.m., 304 Femow Hall.
"Macroeconomic Policy and Wildlife in
America: Who Gains and Who Loses?" Tom
McShane, World Wildlife Fund, Oct. 28, 2 p.m.,
304 Femow Hall.
"A Greenline Park for the Finger Lakes: Im-
porting the English Concept of Protected Land-
scapes," Richard J. McNeil, natural resources,
Nov. 1, 12:20 p.m., 304 Femow Hall.

Neurobiology & Behavior
"Bright Lights and Night Life: Luminescent
Brittlestars on a Coral Reef," Matthew Grober,
section of neurobiology and behavior, Oct. 27,
12:30 p.m., Morison Seminar Room, A106 Cor-
son/Mudd Hall.

Nutrition
"Strategies for Cancer Chemoprevention,"
Daniel Nixon, National Cancer Institute, Be-
thesda, Md., Oct. 31, 4:30 p.m., 100 Savage Hall.

Ornithology
"Ghosties and Ghoulies and Things that go
Whomp in the Night," Steve Kress, ornithology,
Laboratory of Ornithology, 159 Sapsucker Woods
Road, Oct. 31, 7:45 p.m. Since it's Halloween,
come dressed as your favorite bird. Judging will
be held at 7:15 p.m.

Pharmacology
"Excitatory Amino Acid Neurotoxicity, *in
Vitro*," Dennis Choi, neurology, Stanford Univer-
sity, Oct. 31, 4:30 p.m., G-3 Vet Research Tower.

Physiology
"Role of Calcium in 1,25-Dihydroxyvitamin
D₃-Mediated Cell Differentiation," Keith Hruska,
Department of Medicine, Washington University,
Jewish Hospital of St. Louis, Nov. 1, 4:30 p.m.,
G-3 Vet Research Tower.

Plant Biology
"The Distribution and Function of the Cy-
toskeleton in Pollen Tubes," Tony Perdue, plant
biology, Oct. 28, 11:15 a.m., 404 Plant Science
Bldg.

Plant Breeding and Biometry
"Rice Genetic Resources Evaluation: A Phylo-
genetic Approach," Gerard Second, plant breed-
ing, Nov. 1, 12:20 p.m., 135 Emerson Hall.

Plant Pathology
"Host Recognition by Parasitic Plants," John
Steffens, plant breeding and biometry, Nov. 1,
4:30 p.m., 404 Plant Science Bldg.

Pomology/Vegetable Crops
"Improving the Nitrogen Nutrition of Sweet
Corn with Mechanically Suppressed White Clover
Living Mulch," Vern Grubinger, graduate student,
vegetable crops, Oct. 27, 4:30 p.m., Whetzel
Seminar Room, 404 Plant Science Bldg.
"Influence of Broadcast Oat Windbreaks on
Commercial Onion Growth and Yields," Carol
Miles, graduate student, vegetable crops, Nov. 3,
4:30 p.m., 135 Emerson Hall.

Poultry Biology
"Regulation of Food Intake in Broilers," Den-
zil Maurice, poultry science, Clemson University,
Oct. 27, 4:30 p.m., 300 Rice Hall.

Rural Sociology
"Issues in Population Program Assistance in
the 1990s and Beyond," Mercedes Concepcion,
demography, Population Institute, University of
the Philippines, Oct. 27, 12:15 p.m., 360 Uris
Hall.
"Beyond the Population Turnaround: Implica-
tions for Rural Communities in the U.S.," David
Brown, sociology, Oct. 28, 12:15 p.m., 32 Warren
Hall.

Stability, Transition and Turbulence
"Linear Stability and Methods for Computing
Dominant Eigenvalues," A. Kribus, mechanical
and aerospace engineering, Nov. 1, 1 p.m., 282
Grumman.

Textiles and Apparel
"Innovative Research and Extension Education
Programs in Economic Development," Guy
Burns, Cooperative Extension, Nov. 1, 12:20
p.m., 317 Martha Van Rensselaer Hall.

Theoretical and Applied Mechanics
"Seismic Fracture Studies of Gravity Dams by
Boundary Element Method," Chuhan Zhang,
Tsinghua University, Nov. 2, 3 p.m., 205
Thurston Hall.

Western Societies Program
"France and 1992: Problems and Perspec-
tives," Michel Bauer (CNRS), Nov. 2, 4:30, G08
Uris Hall.
"Discontinuity/Continuity in German Lyric
Poetry, 1929-1956," Leonard Olschner, German,
Nov. 4, 12:15 p.m., 153 Uris Hall.

Monday, 10/31
Men's Jr. Varsity Soccer, at Harwick, 4 p.m.
Jr. Varsity Football, Hobart, at home, 4:30 p.m.

Wednesday, 11/2
Volleyball, at Syracuse, 7 p.m.

SYMPOSIA

**Council of the Creative and
Performing Arts**
Festival of Czech Culture, "The Milieu of
Czech Literature, Film, Music: From the 60s to
the 80s," Nov. 4 - 6, Kaufmann Auditorium,
Goldwin Smith Hall.
"Cultural Situation in Czechoslovakia,"
opening session and discussion, Josef
Skvorecky and others, Nov. 4, 4:30 p.m.
Vera Chytilova will present and discuss the
film "Prefab Story" (1979), Nov. 4, 7:30 p.m.,
Uris Auditorium.
Panel discussions on literature and film with
Drahomira Liehmova, scholar, film critic; Zdena
Salivarova, novelist, actress, singer; Josef
Skvorecky, writer; Antonin Liehm, editor-in-
chief, 'Lettre International in Paris, Rome,
Madrid; Vladimir Valenta, play/screen writer,
actor; and Vera Chytilova, film director; Nov. 5,
9 a.m. to 4 p.m.
Screening of "Transport to Paradise," with
Armost Lustig, novelist, Nov. 5, 4:30 p.m., Uris
Auditorium; Vera Chytilova will present her
film "The Jester and the Queen" (1988) at 7:30
p.m.
Breakfast and a panel discussion will be held
in the A.D. White House, Nov. 6, 10 a.m.
(See exhibit and music listings this week and
next for other festival events.)

THEATER

Theatre Arts
"The Marriage of Bette and Boo," by satirist
Christopher Durang, Nov. 2, 3 and 4 at 8 p.m.,
Nov. 5 at 5 p.m. and 9 p.m., and Nov. 6 at 2
p.m., Flexible Theatre, Center for Performing
Arts, 430 College Ave. Tickets are \$3.50 for
students and senior citizens, \$4.50 for general
public for weeknight and matinee performances;
\$4.50 for students and senior citizens for Friday
and Saturday evening performances, and \$5.50
for general public.

Hillel
"A Celebration of Yiddish: Tevye, the Milk-
man," Gideon Shemer's one-man show, based
on the original monologues of Sholom Ale-
ichem, 8 p.m., Nov. 2, Commons Coffeehouse,
Anabel Taylor Hall. Admission is \$2 for com-
munity, \$1 for students.

Risley Theatre
"Line," a one-act play by Israel Horovitz,
Oct. 27, 28 and 29, at 8 p.m. and at 10 p.m., Oct.
29, at Risley Theatre. Tickets \$2 at door or call
255-9521.

MISC.

Cornell Figure Skating Club
Open house, Oct. 30, 5:30-7 p.m., Lynah
Rink. Full or part-time memberships and les-
sons for all ages, with special student and family
rates. For more information, call 272-9417,
273-9060 or 257-3071.

CUSLAR Discussion Series
"The United States in Central America: A
History of Intervention," Walter LaFeber, his-
tory, Oct. 31, 7 p.m. Commons Coffeehouse,
Anabel Taylor Hall.

Waste Watchers
Waste Watchers, welcomes new members to
its next meeting on Nov. 1, 5 p.m., in the Ed-
wards Room, Anabel Taylor Hall. For more in-
formation contact Lucy Gagliardo, 277-3044
during the day or 539-6313 after 6 p.m.

SPORTS

Friday, 10/28
Men's Cross Country, Heptagonals at New York
Women's Cross Country, Heptagonals at New York
Freshman Football, Army, at home, 3:30 p.m.
Lightweight Football, at Rutgers, 5 p.m.
Volleyball, Princeton, at home, 7 p.m.

Saturday, 10/29
Women's Varsity Field Hockey, Pennsylvania, at
home, noon
Women's Varsity Soccer, at William & Mary,
noon
Volleyball, Pennsylvania and Dartmouth, at
home, noon
Men's Varsity Soccer, at Columbia, 1 p.m.
Varsity Football, at Lafayette, 1:30 p.m.

Sunday, 10/30
Women's Varsity Field Hockey, Bucknell, at
home, 1 p.m.

Job Opportunities

October 27, 1988
Number 41
Office of Human Resources
Cornell University
160 Day Hall
Ithaca, New York 14853-2801

In compliance with the Immigration Reform and Control Act of 1986, Cornell University is now required to check the identity and employment eligibility of all new hires.

Effective June 1, 1987, if you accept a position, you must show documents on or before your first day of work, that indicate your identity and employment eligibility; for example, a state issued driver's license and a birth certificate. For more information, contact Staffing Services, 255-5226.

-Interviews are conducted by appointment only.

-Send cover letters & resumes to Staffing Services, 160 Day Hall, Cornell University, Ithaca, NY 14853.

-Employment & employee transfer application forms are available at both Staffing Services locations-160 Day Hall & East Hill Plaza.

-Requests for referral &/or cover letters are not accepted unless specified in the ad.

-Cornell University is an Affirmative Action/Equal Opportunity Employer.

-This listing is also available on CUINFO. Terminals are situated in main lobbies of Day Hall & Gannett Clinic, & the Olin, Mann & ILR Libraries.

-DEPTS.-Deadline for submission is noon on Thursday for following week's Job Opportunities.

-Minimum salaries listed are for recruitment purposes only.

-S=Statutory; E=Endowed

Administrative and Professional

COMPUTER SYSTEMS MANAGER (PT4104) Health Services-E

Plan, supv. & coord. development, implementation & maint. of Health Svcs. computer system.

Req.: BS or equiv. exp. 3-5 yrs. computer & systems knowl. incl. implementation of major system. Able to program in MUMPS; 2nd lang. (e.g. Natural, Fortran, Cobol or Assembler). Knowl. of interactive admin. systems, familiar w/DEC PDP11 hardware & software. Bkgrnd. in med. field helpful. Letter & resume to Judi Baker by 11/4.

TECHNICAL CONSULTANT III (PT4105, PT4106, PT4107) Theory Center-E

Provide full range of consulting svcs. to researchers using resources of CNSF.

Req.: BS (grad. study in either computer sci. or 1 of physical/bio./enrg. sci.). 3-5 yrs. related exp. Exp. w/mainframe computers essential. VM/CMS & array processors exp. desir. Fluency in 2 prgrmg. lang. Demonstrated ability to work w/complicated programs. Strong written & interper. skills. Letter & resume to Judi Baker by 11/4.

SYSTEMS PROGRAMMER/ANALYST II (PT4103) Theory Center-E

Provide parallel prgrmg. support & enhancements for minisupercomputers in configuration consisting of IBM & Floating Point Systems (FPS) equip.

Req.: BS; MS pref. 3-5 yrs. prgrmg. exp. Exp. w/UNIX, VM/CMS, Fortran, C or FPS equip. desir. Familiar w/parallel processing environ. req. Letter & resume to Judi Baker by 11/4.

TECHNICAL CONSULTANT III (PT4116) Theory Center-E

Support graphics applications on Nat'l. Supercomputer. Develop software tools & support svcs. to nat'l. users of supercomputer graphics software & workstation hardware.

Req.: BS or equiv. combination of ed. & exp. 3-5 yrs. related exp. Strong comm., interper., org. & planning skills. Detailed knowl. of mainframe operating environ. req. Ext. exp. w/graphics hardware & software req. Able to develop graphics programs on mainframe & microcomputers. Letter & resume to Judi Baker by 11/4.

RESEARCH SUPPORT SPECIALIST III (PT4109) Vet. Pathology-S

Mng. flow cytometry lab. Supv. staff & activities; design, execute & coord. research protocols; provide tech. assistance; determine equip. & supply purchases; assist w/grant proposals writing & co-authoring manuscripts.

Req.: MS in biolog. or phys. sci./or equiv. Min. 5 yrs. related lab exp. strongly pref. Letter & resume to Judi Baker by 11/4.

STRUCTURAL ENGINEER (PA4101) Facilities Engineering-E

Org. & perform structural, architectural & civil enrg. design svcs. for alterations & repairs to Univ.'s physical plant; provide structural analysis in connection w/designs of new work & on existing structures.

Req.: BS, civil enrg. w/structures major. 3-5 yrs. related exp. Exc. org., interper. & comm. skills. Prof. enrg. lic. desir. Must have & maintain valid driver's lic. Letter & resume to Cynthia Smithbower by 11/11.

ADMIN. MANAGER II (PA4102) Entomology-S

Manage admin. of dept. under direction of Chairman. Oversee dept. functions of personnel admin., budget development (SMIS) & fiscal mgmt., facilities coord., purchasing, & instit'l. info./planning. Supv. several off. staff.

Req.: BS w/trng. in busn. mgmt. & admin. Univ. trng. courses desir. Strong personnel mgmt. & comm. (written/oral) skills interacting w/faculty. 3-5 yrs. exp. in univ. admin. incl. strong computer skills. (IBM PC/PC DOS). Knowl. of LOTUS 123 & dBase III Plus highly desir. Exp. w/SMIS highly desir. Letter & resume to Cynthia Smithbower by 11/11.

SYSTEMS PROGRAMMING/ANALYST II (PT4108) Computer Services-E

Design, modify, maintain, document & install moderately complex programs & application pkgs. for UNIX & VMS operating systems. Some weekends.

Req.: BS or equiv. w/computer related courses. 2-3 yrs. prgrmg. & exp. w/machine architecture. Knowl. of system utility programs, system control languages, e.g., DCL & shell scripts. Letter & resume to Judi Baker by 11/4.

RESEARCH SUPPORT SPECIALIST I (PT4111, PT4112) Vet. Pathology-S

Provide investigative assistance & technol. support to flow cytometry labs. Plan/execute experiments, supv. staff, data analysis, etc.

Req.: BS in bio. or phys. sci. MS pref. 2-3 yrs. related lab exp. req.; knowl. of techniques related to flow cytometry & tissue culture. Exc. interper., comm. & supv. skills. Letter & resume to Judi Baker by 11/4.

RESEARCH SUPPORT SPECIALIST I (PT4110) Biotechnology-S

Instruct & advise faculty & other researchers in use of Plant Cell & Transformation Facility & conduct independent experiments. Demonstrate & develop new techniques in representing CU to corporate sponsors/agencies.

Req.: BS in biochem. MS strongly pref. 2-3 yrs. lab exp. Exp. w/protoplast & explant culture, Agrobacterium transformation &/or electroporation helpful. Letter & resume to Judi Baker by 11/4.

DINING SUPERVISOR I (PA4104) Dining Svcs.-E

Supv. daily operation of dining unit, incl. purchase & storage of food & supplies, maint. of equip., planning menus & prep. & dispensing of food.

Req.: AAS or equiv. combination of ed. & exp. req. 1 yr. food svcs. supv. exp. Knowl. of food & health codes desir. Letter & resume to Cynthia Smithbower by 11/11.

EXECUTIVE STAFF ASST. II (PC4126) Food Sci.-S

Aid Dairy Ctr. Dir. & Assoc. Dir. in tech. operation & fiscal mgmt. of Northeast Dairy Foods Research Ctr. Until 6/30/93.

Req.: BS w/3-4 yrs. lab research & busn. mgmt. exp. or MS biolog. sci. related area w/busn. exp. Exc. comm. skills (written/oral); familiar w/PC's & exp. w/variety of software req. (WP, spreadsheets & data base mgmt.). Letter & resume to Esther Smith by 11/7.

ACCOUNTANT II (PC4117) Statler Hotel-E

Resp. for accurate & timely recording & reporting of financial info. for Statler Hotel, Conference Ctr. & Statler Club. Supv. acctg. staff.

Req.: BA acctg. or related field req. CPA or MBA pref.; min. 3 yrs. exp. w/diversified acctg. w/computer system exposure. 1 yr. supv. exp. Knowl. of CU acctg. system desir.; knowl. of hotel acctg. procedures helpful. Letter & resume to Esther Smith by 11/7.

ASST. DIR., ENGINEERING ADMISSIONS (PA4103) Engineering Admissions-E

Assist in recruitment, selection & enrollment of enrg. freshmen & transfer students; research & plan functions related to improved recruitment strategies.

Req.: BS (MS pref.) Min. 2 yrs. exp. in admissions & related activities pref. Exc. comm. & interper. skills; understanding of enrg. profession; some familiarity w/info. systems & stat. analysis. pref. Letter & resume to Cynthia Smithbower by 11/24.

Clerical

REGULAR EMPLOYEES Submit employee transfer application, resume & cover letter.

Career counseling interviews available by appt. **EXTERNAL APPLICANTS** Mail employment application & resume to 160 Day Hall. Interviews conducted at Staffing Services, East Hill Plaza by appt. only. Qualified applicants are contacted after materials are reviewed.

PERSONNEL ASST., GR16 (C4116) Office of Human Resources-E

Maintain CU centralized employee personnel files; process employment verifications; input employee data.

Req.: H.S. dip. or equiv. CRT exp. desir. Good org. skills essential. Confidentiality a must. Med. typing. Min. Biweekly: \$448.50

SECRETARY, GR17 (C4109) NYSSILR Buffalo Off. Ext. & Pub. Srvc.-S

Provide sec. support for dir., coord. & institute assoc. of Inst. for Industry Studies. Serve as main off. & phone recept.; maintain program records & files (paper & electronic).

Req.: H.S. dip. or equiv. Min. 1 yr. sec./recept. exp. Exc. org. & comm. (written/oral) skills. Good phone techniques. Knowl. or exp. w/computers especially WP. Med. typing. Min. Biweekly: \$467.98

SR. DEPT. ASST., GR18 (C3023) Public Svcs./Law Libr.-E

Under gen'l. supv. Resp. for operation of A-V Ctr. Maintain microfilm collection; aid patrons in locating, reading or copying desired materials. Assist patrons using PC's & other equip., control open reserve materials. Familiar w/other A-V media, as well. Mechanical aptitude helpful.

Req.: AAS or equiv. Knowl. of PC's. Familiar w/WP software, especially Wordperfect. Good org. skills. Able to work w/variety of people in public svcs. setting. Min. Biweekly: \$487.50

OFFC. ASST./ORDER ENTRY CLERK, GR18 (C4104) Univ. Press-E

Enter customer orders from non-coded source documents. Order for CU & client presses' books.

Req.: H.S. dip. or equiv. Busn. school pref. Min. 1 yr. related exp. Knowl. of STC Global Turnkey System. Prior exp. w/computers helpful. Med. typing. Min. Biweekly: \$487.50

OFFICE ASST., GR18 (C4111) Summer Session-E

Use Mac w/PageMaker to produce brochures, fliers, ads, forms & other printed materials; assist Division media mgr. in accomplishing wide range of mktg. & publicity projects.

Req.: H.S. dip. or equiv. req. AAS desir. Min. 1-2 yrs. exp. in media related field pref. Exp. w/Apple Mac necessary. Knowl. of advertising, mktg., printing & graphic design. Letter & resume to Esther Smith by 11/4. Min. Biweekly: \$487.50

SECRETARY, GR18 (C4113) Physiology-S

Type manuscripts, grant proposals, corresp., annual reports, class material for 4-6 professors.

Req.: H.S. dip. or equiv. Sec. school desir. 1-2 yrs. exp. w/ability to set priorities in a complex, active environ. Med. typing. Min. Biweekly: \$487.50

SR. RECORDS ASST., GR18 (C4119) Olin Libr.-E

Update serial holdings in online & unions Serials catalogs; process withdrawals & transfers; assist w/serial records conversion to online catalog. Other projects as requested.

Req.: H.S. dip. or equiv. AAS pref. Min. 1 yr. related exp. Previous libr. exp. (especially in tech. svcs.) or clerical exp. helpful. Lt. typing. Min. Biweekly: \$487.50

PERSONNEL ASST., GR18 (C4115) Office of Human Resources-E

Process Endowed/Statutory & academic/non-academic payroll authorization forms; prep. computer input; assist dept. payroll reps. in completing forms, maintain employee data in CU computer database.

Req.: H.S. dip. or equiv. Min. 1 yr. related exp. Use of computer terminal. Knowl. of CU budget/acctg./payroll systems. Exc. org., interper. & comm. skills. Confidentiality essential. Med. typing. Min. Biweekly: \$487.50

SEARCHER, GR18 (C4123) Olin Libr.-E

Search monograph orders & books for libr. system; input book orders & records into NOTIS database.

Req.: H.S. dip. or equiv. Min. 1 yr. progressively resp. tech. svcs. exp., addit'l. ed. may be substituted for exp. Knowl. of 1 or more Western European lang. Med. typing. Min. Biweekly: \$487.50

SECRETARY, GR19 (C4107) JGSM-E

Provide WP & admin. support for faculty members using Mass 11 & Mac. Execute & complete all incoming work w/emphasis on tech. typing.

Req.: AAS or equiv. Min. 2 yrs. sec./off. exp. Familiar w/WP & Mac computers. Heavy typing. Min. Biweekly: \$510.90

OFFICE ASST., GR19 (C4106) Univ. Press-E

Resp. for accs. receivable process e.g., payment, adjustments & daily deposits requiring judgment.

Req.: AAS or equiv. Some acctg./bookkeeping desir. Min. 2 yrs. related exp. Familiar w/computer/data processing procedures & Global Turnkey System (on-line STC PUBS DATA system) or similar system. Med. typing. Min. biweekly: \$510.90

OFFICE ASST., GR19 (C4105) Univ. Press-E

Correspond w/delinquent accs. & open new accs.; enter data; occasional processing accs. receivable payments.

Req.: AAS or equiv. Some acctg./bookkeeping coursework desir. Min. 2 yrs. related exp. incl. familiarity w/computer/data processing procedures & Global Turnkey System (on-line STC PUBS DATA system) or similar systems. Med. typing. Min. Biweekly: \$510.90

SECRETARY, GR19 (C4124) Psychology-E

Serve as dept. recept.; oversee work-study students; serve as sec. to faculty & admin. mgr.; process dept. billings; advisee/major applications & maintain records; mail; maintain mailroom & supplies; sign out AV equip.

Req.: H.S. dip. or equiv. AAS in sec. sci. or equiv. pref. Min. 2 yrs. exp.; knowl. of WP (on Mac) pref. Exc. typing, proofreading, org. & interper. skills. Knowl. of CU desir. Med. typing. Min. Biweekly: \$510.90

ADMIN. AIDE, GR20 (C4108) Biotechnology-S

Provide Admin. assistance to NSF Plant Sci. Ctr. Dir. & staff, incl. off. mgmt., writing & editing, planning & scheduling.

Req.: AAS in busn., English or relevant field. Min. 2 yrs. admin., writing, editing & sec. exp. essential. Some sci. bkgnd. desir. Med. typing. Min. Biweekly: \$534.30

PAY OFFICER, GR20 (C4112) Statler Hotel-E

Keep accurate time records for all hotel employees. Prep. payroll submissions for full-time, p-t, & student employees.

Req.: AAS in bookkeeping or acctg. or equiv. Min. 2 yrs. related work exp. Knowl. of CU payroll system desir. Knowl. of computers req. Med. typing. Min. Biweekly: \$534.30

ADMIN. AIDE, GR20 (C4110) Economics-E

Sec./Admin. Aide to 2 faculty members. Handle all admin. aspects of grad. program from admissions to placement. Process & maintain corresp. files on all coursework, corresp. & research manuscripts.

Req.: AAS or equiv. Min. 2 yrs. exp. on IBM or compatible AT w/DOS systems mgmt. essential. Tech. processing skills req. Heavy typing. Min. Biweekly: \$534.30

ADMIN. AIDE, GR20 (C4121) Food Science-S

Provide support svcs. for Dairy Ctr. Dir., Exec. Staff Asst. (Tech. Mgr.) & Research Assoc. Until 6/30/93.

Req.: AAS sec. sci. or equiv. Min. 2 yrs. exp. Work independ. Exc. org. & interper. skills. Conference planning & org. exp. desir. Strong writing & editing skills. Ext. exp. w/micros. Med. typing. Min. Biweekly: \$534.30

SECRETARY Boyce Thompson Institute

Type manuscripts, grant proposals, corresp., reports, etc. Assist at switchboard.

Req.: AAS or equiv. Exc. typing skills; able to read various handwritings, good proofreading skills. WP exp. nec.; IBM PC exp. helpful. Able to work cooperatively w/variety of people. Contact Joanne Martin, 607-254-1239. Min. Starting Salary: \$12,000

General Service

REGULAR EMPLOYEES Submit employee transfer application to Staffing Services, 160 Day

Hall. Interviews conducted by appt. only. **EXTERNAL APPLICANTS** Mail employment application to Staffing Services, 160 Day Hall. Interviews conducted by appt. only. Qualified applicants are contacted after materials are reviewed.

CUSTODIAN, SO02 (G4101) Buildings Care-E

Provide gen'l. custodial care of bldgs. & grounds in immediate vicinity of assigned area. Mon.-Thurs., 6 a.m.-2:30 p.m.; Fri. 6 a.m.-1:30 p.m.

Req.: H.S. dip. or equiv. Able to operate a variety of heavy power equip., lift 50 lbs. & climb an 8 ft. ladder. Basic reading & writing skills. Min. hourly: \$5.75

NURSES AIDE, SO03 (C4103) Health Services-E

Assist clinicians & nurses. Prep. patients for medical exams. Clean & stock examining rooms & prep. solutions. 5 eves. a week (4-12 shift).

Req.: H.S. dip. or equiv. Nurse Aide/Health Asst. cert. pref. Recent health related svcs. exp. Strong interper. & comm. skills. Able to work independ. in emergencies. Min. hourly: \$6.00

CLINIC AIDE, SO03 (G4107) Vet. Medical Teaching Hosp.-S

Maintain housekeeping areas w/in Small Animal Clinic, exam rooms, admissions, kennels & patient care areas. M-F, (approx. 2-10 p.m.).

Req.: H.S. dip. or equiv. Basic housekeeping skills. Must be willing to work near & possibly handle snakes, rodents, small wild animals, turtles, birds, etc. Pre-employment physical. Min. hourly: \$6.00

Technical

REGULAR EMPLOYEES: Submit employee transfer application, resume & letter.

EXTERNAL APPLICANTS: Mail employment application, resume, & list of lab techniques/equip., or computer software/hardware with which you are familiar. Submit letter per position, specify title, dept. & job number. Interviews conducted by appt. only. Qualified applicants are contacted after materials are reviewed. Backgrounds highly desired: biochem., chem., microbio., elect., physics, lic. animal health tech.

TECHNICIAN, GR19 (T4113) Vet. Pathology-S

Provide tech. support for activities in flow cytometry lab. incl. cell cultures, protein & nucleic acid analysis.

Req.: BS or equiv. in bio. or phys. sci. Min. 1 yr. related exp. Apply by 11/4. Min. Biweekly: \$510.90

RESEARCH AIDE, GR20 (T4114) Classics-E

Operate Kurzweil optical scanner, to convert printed texts into computer files. Scan Greek & Latin texts. Correct Greek text inscriptions for inclusion in IBYCUS database. Provide tech. consultant svcs. to outside institutions.

Req.: AAS or equiv. BA Classics, Humanities or related field pref. Proficiency in ancient Greek & Latin req. Familiar w/WP. Apply by 11/4. Min. Biweekly: \$534.30

TECHNICIAN, GR20 (T4119) Neurobiology & Behavior-E

Assist in isolation & synthesis of mRNA coding for acetylcholine receptor channel; assist w/microinjection of mRNA into frog oocytes; prep. frog oocytes; record solutions & patch clamp pipettes; order gen'l. lab supplies & assist in lab maint.

Req.: BS in bio. or equiv. 1-3 yrs. biology lab exp. plus mRNA handling & cloning techniques. Apply by 11/4. Min. Biweekly: \$534.30

ANIMAL TECHNICIAN, GR21 (T4118) Clinical Sci.-S

Trap, handle, weigh, determine sex, transport & tag woodchucks. Anesthetize for blood samples & tattooing. Monitor feed intake, medical treatment of minor injuries. Assist w/surgical procedures, especially liver biopsies w/follow-up care. Some work w/animals infected w/woodchuck hepatitis. Conduct field studies.

Req.: BS or equiv. exp. NYS Trapper's lic. 2-3 yrs. related exp. Extensive live trapping exp., previous exposure to research environ., knowl. of Lotus 123. Pre-employment physical req. Apply by 11/11. Min. Biweekly: \$557.70

TECHNICIAN, GR22 (T1509) Plant Pathology-Geneva-S

Assist in conducting research on fungal cell biology. Oversee use & srv. of equip. (e.g., electron microscopes).

Req.: BS or MS, bio. or relevant field. Exp. &/or trng. in light transmission, electron & scanning electron microscope pref. Exp. w/immuno chemical techniques, protein purification & separation protocols, as well as w/gen'l. biochem. techniques useful. Must be imaginative, dexterous, neat & accurate. Min. Biweekly: \$581.10

CHESS OPERATOR, GR24 (T4117) CHESS-E

Interact w/user groups on tech. & scientific problems. Implement safety codes. Resp. for covering CHESS system malfunctions & software problems assoc. w/instrument control. May assist in experimental programs. Some eve. & wknd. hrs. req.

Req.: BS or equiv. in tech. field such as enrg. or physics. 2-4 yrs. exp. Good mechanical & lab skills. Prgrmg. exp. pref. Apply by 11/11. Min. Biweekly: \$639.59

RESEARCH ASST. Boyce Thompson Institute

Assist in research in a fungal biochem. lab. Select developmental mutants of fungal plant pathogen & analyze genes expressed during fungal development. Techniques used will incl. prep. of libraries of genomic DNA, plasmids & DNA sequencing. Techniques involve use of radioisotopes, ultraviolet light, media prep., culture of nonpathogenic fungi & bacteria & use of organic chemicals.

Req.: BS in bio. or relevant field. Previous trng. & exp. in biochem., microbio. or cytology lab. helpful. Contact Dr. R.C. Staples, 607-254-1251. Min. salary: \$13,000

Part Time

DISH MACHINE OPERATOR, SO02 (G4102) Dining-E

Wash dishes, utensils, pots & pans. Stock assigned areas. Shift subject to change. 30 hrs./wk.

Req.: H.S. dip. or equiv. Able to learn proper use of dishwashing equip. & cleaning agents. Able to lift 35 lbs. Min. hourly: \$5.75

CLINIC AIDE, SO03 (G4103) Vet. Medical Teaching Hosp.-S

Resp. for cleaning & gen'l. up-keep of Exotic Avian, Isolation Wards & Student Clinical Pathology Lab. Provide back-up for other positions w/in Animal Care. 25 hrs./wk., M-F (approx. 6 a.m.-12 noon).

Req.: H.S. dip. or equiv., basic housekeeping skills. Flex. hrs., lift approx. 50-100 lbs. Willing to work w/wild or exotic animals such as snakes, rodents, wild mammals, turtles, birds, etc. Pre-employment physical. Min. hourly: \$6.00

OFFICE ASST., GR16 (C4125) Plantations-S

Provide clerical/recept. support for gift shop & main off. 25 hrs./wk.; M-F afternoons, hrs./vary w/seasons.

Req.: H.S. dip. or equiv. Min. 1 yr. exp. in public oriented position, cash handling exp. req. Able to deal w/variety of people. Lt. typing. Min. full-time equiv.: \$

Graduate Bulletin



Course pre-enrollment for spring semester 1989 began Oct. 26. If the form is received at Sage Graduate Center by Nov. 9 your name will be on initial class lists. Forms are available at Graduate Field Offices and Sage Graduate Center. Course and time roster booklet is available at Sage.

Fellowship information on deadlines is in the October issue of the Sage Graduate Newsletter.

National Science Foundation applications are available at the Fellowships and Financial Aid Office, Sage Hall. Applicants must be U.S. citizens and beginning graduate study in the sciences or engineering leading to either a master's or doctoral degree in the mathematical, physical, biological, engineering or social sciences or in the history and philosophy of science. Minorities, women and disabled persons are encouraged to apply. Awards are \$12,300 plus tuition per calendar year for three years. Part I deadline is Nov. 14.

Students with outstanding educational loans should be aware of changes in federal regulations. Each year in a degree program, it is the student's responsibility to request, complete, and file deferral forms with each lender. Students with outstanding educational loans from other institutions should contact their lenders and/or billing agencies to obtain specific instructions regarding deferral procedures and repayment terms.

President's Fund

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lowing awards:

- \$45,000 to the College of Arts and Sciences to expand the efforts of the Ethics and Public Life Program to help faculty explicitly and extensively address ethical issues in their disciplines as part of their courses.
- \$40,000 to the College of Agriculture and Life Sciences to expand a program that urges faculty to develop cross-disciplinary programs that incorporate the reading and discussion of literature on major issues facing society today, including international competition, world hunger and the applications of biotechnology.
- \$30,000 to the Division of Biological Sciences to improve instruction.
- \$22,000 to the School of Industrial and Labor Relations to continue a new program to improve the teaching skills of graduate students.
- \$20,000 for the College of Human Ecology for the dean to support an undergraduate concentration in gerontology or other programs in the college.
- \$15,590 to the College of Architecture, Art and Planning and to the Center for International Studies to develop 10,000 photographs of South Asian architecture taken by the late Professor Robert MacDougall into a teaching resource.
- \$10,000 to the Women's Studies Program to support faculty efforts to improve instruction.
- \$9,940 to Uris Library to establish a compact-disc reference for psychological and sociological indexes.

—Mark Eyerly

Error-free programs research aided by Digital Corp. grant

A new approach to building computer programs that control such critical operations as air traffic, railroads and nuclear plants is being developed by Cornell computer scientists, using \$525,000 in equipment and software granted by Digital Equipment Corp.

The researchers are devising computer programs that can be proved mathematically to be error-free — reducing the need for extensive testing — and that will continue to operate even when part of the multicomputer control system becomes inoperable.

As part of the project, the computer scientists will "run" a simulated railroad inside a computer using such a program, studying how the programs function as components of the computer system fail.

The new fault-tolerant programs will be designed for what computer scientists call "real-time process control applications." Such programs regulate the movement of trains and planes and the operation of nuclear power plants, steel mills and other complex processes.

Failure to make correct decisions quickly can be disastrous, so computer scientists have long been interested in ways to assure

that the programs are correct.

Digital's grant is part of a three-year research agreement in which the Cornell scientists will share their findings with Digital engineers, said Fred B. Schneider, an associate professor of computer science who is supervising the project.

The Cornell researchers will be using a large VAX processor and a network of high-performance graphics workstations granted by Digital to simulate computer control of a railroad. Initially, they plan to design a program that will allow their simulated train to travel at the fastest speed possible without violating the maximum or minimum speed limits for any segment of track occupied by the train.

Eventually, they hope to control several trains on interconnecting tracks and to maintain control of the simulated trains even when some of the computers exhibit arbitrary behavior as a result of failures.

Digital, with headquarters in Maynard, Mass., is the world's leading manufacturer of networked computer systems and associated peripheral equipment, according to company officials.

—Mark Eyerly

Barton Blotter:

Student robbed at gunpoint

A former Cornell student was robbed of more than \$100 at gunpoint on the Arts Quad about 2:45 a.m. on Oct. 25, according to a report filed with the Department of Public Safety.

The victim, whose name has not been released, said a man approached him between Lincoln and Goldwin Smith halls and asked for a cigarette. When the victim handed the stranger a pack of cigarettes, the man thrust what appeared to be a small-caliber handgun against the student's face and said, "I'll take anything else you've got," according to the former student's statement.

The victim said he turned over more than \$100 in cash and was ordered to lie face down on the ground. The robber fled the scene on foot.

He was described as about 6 feet tall and weighing about 175 pounds, with dark hair but no facial hair, and wearing a dark waist-length coat and dark pants.

According to Public Safety, the victim walked to a friend's apartment and reported the incident to authorities about an hour after it occurred. Safety officials are continuing to investigate the incident but said they had no immediate suspects.

Also according to the morning reports of

Public Safety for Oct. 17 through 25, there were 12 thefts reported on campus with losses in cash and valuables set at \$2,567. The thefts included an \$823 VCR taken from Goldwin Smith Hall, a \$300 radar detector removed from a parked car and a \$450 video cassette player taken from Statler Hall.

Six persons were referred to the judicial administrator on charges of possession of a dangerous weapon, altering a parking permit, possession of stolen property, assault, forging a parking permit and misuse of a parking permit.

The Office of the Judicial Administrator also is investigating an apparent hazing incident in which three students locked themselves, or were locked, in the lounge of Sage Hall.

An area youth was referred to juvenile authorities on charges of stealing two wallets in Barton Hall. An Ithaca man was arrested for possession of marijuana.

Computerized copies of the most current daily report may be called up on CUINFO under the title SAFETY. CUINFO terminals are situated in the main lobbies of Day Hall, Gannett Clinic, and the Olin, Mann and ILR libraries.

Annual Thomas Memorial Lecture Series will focus on geometry and architecture

British scholar Robin Evans, an authority on the theory and history of architecture, will give the Preston H. Thomas Memorial Lecture Series on Nov. 1, 2, 3 and 4.

Currently a visiting professor at Harvard University, Evans will give all four lectures in the series at 5:30 p.m. in Room 120 of Ives Hall on the overall topic "Geometry in & Around Architecture."

He will address the following topics on successive dates:

- "Drawing Stone: Stereotomy & the Undercutting of Style."
- "Le Corbusier: His Modular, His Buildings."

- "Three Phases of Fragmentation in Twentieth Century Architecture."
- "Architecture and Its Three Geometries."

Evans studied architecture at the Architectural Association, London, from 1963 to 1967 and received a doctorate in the theory and history of architecture from the University of Essex in 1975. He has written numerous articles and three books, including "The Fabrication of Virtue: English Prison Architecture 1750-1840."

The Thomas lectures are given annually through the Department of Architecture.

—Martin B. Stiles

Open houses set for 800 students

More than 600 high school junior and senior students thinking of enrolling in one of Cornell's three state-supported colleges will visit campus Oct. 29, and another 200 college students thinking of transferring will visit on Nov. 4.

The two events are sponsored annually by the alumni associations of the College of Agriculture and Life Sciences, the College of Human Ecology and the School of Industrial and Labor Relations in conjunction with the admissions offices of the three schools.

Open House on Oct. 29 is particularly aimed at students in rural high schools, and it provides prospective Cornell students and their parents an overview of the university, admissions and financial aid information and an opportunity to meet faculty and current students. Transfer Day on Nov. 4 is aimed at two-year-college students and others interested in transferring.

Managing people key problem, says Hilton president

Learning how to manage people will be the greatest challenge facing university students when they go into the business world, Carl Mottek, president of Hilton Hotels, told students at the School of Hotel Administration on Oct. 21.

Answering a student's question, Mottek said, "Managing people is the greatest problem you will ever have. Now you are involved in managing your friends and your peers. When you go out into business, you will have to know how to manage people that you don't get along with and people with much different likes and dislikes than your own."

Mottek, whose office is in Beverly Hills, is president of the organization that manages all Hilton hotels in the United States.

Speaking to students in Dean John J. Clark Jr.'s weekly class, "Cookies with Clark," the Hilton executive said that "now is a great time to be in the hotel business."

Mottek, who studied hotel management at Michigan State University and earned an M.B.A. at Harvard University, told the students, "I am an example that the hotel business is one business that you can succeed in with a C-plus average in college."

He said advantages of working in the hotel industry include, "You can make money at it, and it's fun. I feel sorry for people who dread going to work."

Answering another question, he said that Hilton Hotels have had only one woman manager "and she left to get married, so now we have none, but we have four resident managers who are women."

Mottek gave the Hotel School \$200,000 towards the Hilton pledge of \$1 million to the school's \$35 million capital campaign for remodeling of Statler Hall and construction of the new Statler Hotel & J. Willard Marriott Executive Education Center.

He also presented the school with \$10,000 for a new scholarship and will provide another \$10,000 next year. Hilton scholarships, open to any applicant, are being established in several universities.

—Albert E. Kaff

Software continued from page 1

eventually to use the program to teach Chinese and Arabic, Sola said.

EDUCOM and the National Center for Research to Improve Postsecondary Teaching and Learning cited the program for being "intuitive and clear cut, thanks to intelligent screen design and programming." Their program is the only foreign-language teaching software that combines lexical and grammatical information with examples in a data base, Noblitt and Sola said.

In its French version, the program lists 4,400 words in a bilingual dictionary and more than 250,000 forms of 700 verbs. Students in the midst of a writing assignment can search for the correct word in either

French or English and can call up usage examples to make sure they are using the correct words. The program can help students learn how terminology differs between serious and minor apologies in French.

The program, however, does not automatically insert the chosen word into a student's text and it does not check the student's spelling, Noblitt added. Students must type their complete text, reinforcing what they learn from the computer, he said.

Noblitt and Sola insist that their software is "a learning environment, not a teaching tool. It does not pretend to replace the classroom teacher or textbook."

By immediately assisting students as

questions arise, the computer program encourages beginning students to write and to think in French sooner than they otherwise would, Noblitt said.

"The fatigue factor associated with searching through dictionaries and grammar books is considerable. Some students mention this as a reason for abandoning foreign-language study," he explained. "A reference book that gives the detail found in our program would be so large it would be virtually useless."

At Cornell and a number of other universities, "Systeme-D" is available on computer networks, Sola said.

Noblitt, who visited 60 campuses during

the past year as an IBM consulting scholar, said he found some humanities professors to be condescending to their colleagues who use computers, but many others are quite excited.

Pointing to the success of the case-studies approach in the study of law, business and medicine — where students look at a problem before looking at answers — Noblitt said computers can provide the equivalent for studies in the humanities.

"We need a tenure system that recognizes this kind of computer research as being just as valuable as traditional research," he said.

—Mark Eyerly

Committee to hold public hearing on divestment

The Proxy Review Committee of Cornell's Board of Trustees has scheduled a public hearing for Nov. 3 as part of its information-gathering role in the trustees' review of their policy on investing in companies that conduct business in South Africa.

The hearing will be held from 3 to 5 p.m. in 45 Warren Hall, under the auspices of the University Assembly, in cooperation with the employee and student assemblies and the Faculty Council of Representatives.

Those who wish to speak at the meeting should call the assemblies office at 255-3715 by noon on Nov. 1.

"This session will supplement about 20 hours of committee meetings with speakers of a wide spectrum of viewpoints," said Patricia Carry Stewart, chair of the Proxy Review Committee. "That includes representatives of corporations that have stayed and

withdrawn, journalists, our own faculty and other scholars, and South Africans of all races, as well as an African National Congress observer at the United Nations."

Besides including diverse outside speakers, the committee has invited representatives of students, faculty and staff to meetings on and off campus, Stewart said.

**Meeting set for Nov. 3
from 3 to 5 p.m. in 45
Warren Hall.**

"For those who may still feel that their views have not been represented or cannot be properly conveyed at a public session, we urge that they submit their thoughts in

writing either through the elected representatives of campus governance or to the Proxy Review Committee, care of Room 441 Day Hall," she added.

She said such materials should be submitted by Nov. 9 to allow due consideration before the committee starts compiling the report that it must submit to the Investment Committee by Nov. 23.

It is the Investment Committee that, by mid-January, will make recommendations to the full Board of Trustees, which will vote on the matter at its Jan. 27-28 meeting. When the board adopted a selective-divestment policy three years ago, it agreed to review the policy's effectiveness at this time.

To help the Investment Committee develop its recommendations, the board has asked for factual reports from the university's counsel, its treasurer and the Proxy

Review Committee, which is to be the principal gatherer of facts and viewpoints.

All three reports will be made public during the period of the Investment Committee's deliberations.

The current selective-divestment policy allows investment only in companies independently judged to be "making good progress" or "making progress" under the Sullivan Principles (now called the Statement of Principles) signed by some corporations.

From Dec. 31, 1986, to Sept. 30, 1988, Cornell's holdings in companies doing business in South Africa have dropped from about \$146.5 million to about \$42.6 million, of which \$8.04 million is in companies pledged to end South Africa operations, according to the university Treasurer's Office. Total university investments are valued at about \$1 billion.

Cornell's ivy-covered halls receiving designer styling

The halls of ivy at Cornell are receiving a designer cut this fall aimed at both better aesthetics and preventive maintenance — a design that took almost a year to plan.

A crew of arborists is now at work clinging to ladders and reaching from cherry-pickers following a consensus master plan developed by Jeffrey Lallas, project coordinator for maintenance management. The plan includes trimming the ubiquitous ivy back and removing it from roofs, gutters, and even from inside rooms where it has invaded through windows, some now unable to be closed.

Of course, to tamper in any way with this sacred image of an Ivy League school is to risk the wrath of the most reticent of Ivory Tower denizens. Thus, Lallas developed his trimming plan in extensive consultation with deans, architects, plant specialists and other guardians of the university's ivy heritage.

The initial phase of the ivy maintenance program involves 21 of the oldest buildings on Cornell's lower campus, including Lincoln Hall where the ivy has grown above the masonry walls and with its invading fingers is threatening to lift the wood shingles off gable ends of the structure.

This is just one example of the damage the uncontrolled growth of the seven varieties of ivy and vines on campus can cause, Lallas said.

The plants clog gutters and downspouts, create roof leaks and even provide an easy means for squirrels and rodents to enter the upper stories of buildings.

The master trimming plan will be expanded to include scores of other buildings on campus including residence halls which are now badly overgrown.

Lallas said the plan is constantly subject to revision in order to accomplish its overall goal of preserving the aesthetic contribution and meaning of the ivy to the university without causing costly damage to buildings or masking their outstanding architectural features.

Reportedly, the first ivy on campus grew from a cutting brought to campus from Harvard in 1881 by Jennie Fisk McGraw and planted at the base of McGraw Hall, one of the oldest buildings in Cornell's Arts Quadrangle.

The building was named for McGraw's father, an original benefactor and trustee of the university.

— Martin B. Stiles

Cornell Chronicle publication schedule

If you or someone you know receives an award or an honor, let us know. We're especially interested in people who don't usually receive a lot of attention.

If you're starting a new program or making changes in your department or office, let us know.

If you're planning an event (a lecture, for instance, or a seminar, a concert, a symposium), let us know. We require 10 days notice, although we try to accommodate last minute entries and changes for the Calendar.

Here's the schedule for the rest of the year:

Issue Date	Calendar, etc. Submission Deadline	Issue Date	Calendar, etc. Submission Deadline
Nov. 3	Oct. 24	March 2	Feb. 20
Nov. 10	Oct. 31	March 9	Feb. 27
Nov. 17	Nov. 7	March 16	March 6
		March 23	March 13
Dec. 1	Nov. 21		
Dec. 8	Nov. 28	April 6	March 27
Dec. 15	Dec. 5	April 13	April 3
Dec. 22	Dec. 12	April 20	April 10
		April 27	April 17
Jan. 19	Jan. 9	May 4	April 24
Jan. 26	Jan. 16	May 11	May 1
		May 18	May 8
Feb. 2	Jan. 23	May 25	May 15
Feb. 9	Jan. 30		
Feb. 16	Feb. 6	June 8	May 30
Feb. 23	Feb. 13	June 22	June 12

Four floors added to new Cornell Club in Manhattan

The raising of scaffolding this summer brought the first visible sign of progress on the new Cornell Club building in mid-Manhattan.

The scaffolding is enabling workers to add four floors to the 10-story, masonry-and-steel, 1920s-era building just off Fifth Avenue at 6 E. 44th St.

By June, the 46,000-square-foot structure had been gutted, and, according to Jim Hazzard '50, alumni affairs director, the project is about on schedule and the building should be turned over to Cornell by next summer.

Harold Tanner '52, a Cornell trustee, is leading the membership drive, which he says will be formally launched in the fall.

"This exciting new facility," says Tanner, "reflects the high priority the trustees and university have assigned to providing a major locus for alumni and academic activities in the heart of New York City, where more than 30,000 alumni live and work. It should also be a great home-away-from-home for alumni visiting New York from around the country and world."

Tanner will be seeking 30 Founding Members, who would contribute \$100,000 each, and 60 Charter Members, who would contribute \$25,000. There also will be named gifts — such as club rooms — for which major donations will be sought.

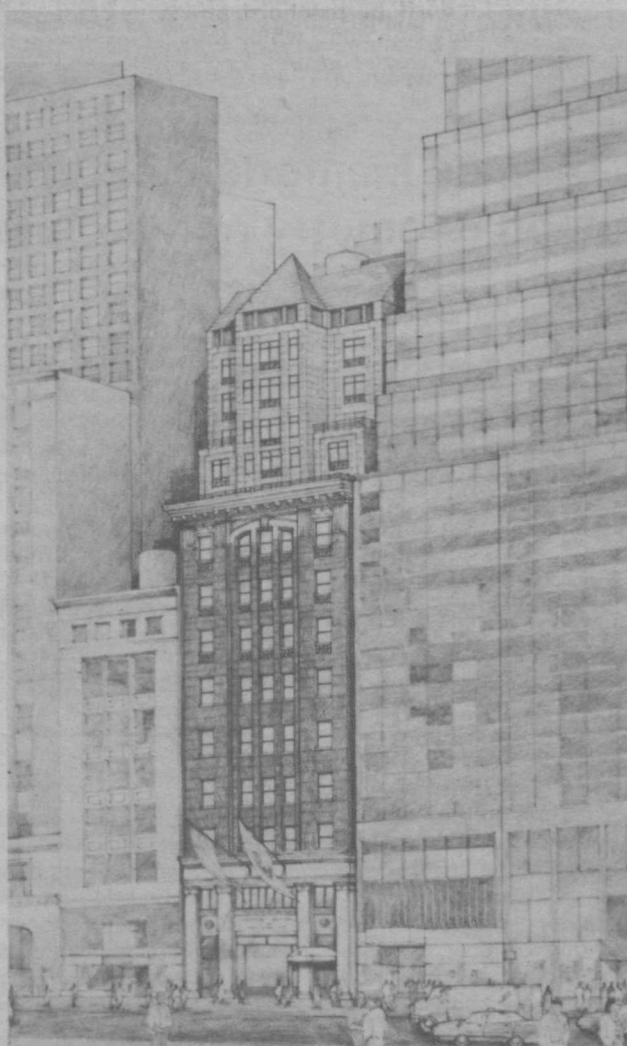
Hazzard says the club will provide a focus for "a wide array of academic activities," including lectures and seminars, as well as a congenial setting for alumni activities.

General Manager Roger Ross '51, who managed the Piping Rock Country Club on Long Island for 23 years, listed the facilities planned for the club:

- Lobby, grill and tap room on the ground floor.
- Formal dining room on the second floor.
- Library on the third floor.
- Informal dining room on the fourth floor.
- Meeting rooms accommodating from four to 48, with optional catered meals, on the fifth floor.
- Men's and women's exercise areas, with showers and locker rooms, on the sixth floor.
- Forty-eight guest rooms on the seventh through 14th floors.

"And the guest rooms will be brand new, of top quality and very nicely appointed," Hazzard emphasized.

The Cornell Club New York, as the new facility will be called, is a not-for-profit corporation governed by a 12-member, university-appointed board. The club is to be com-



pletely self-sustaining: the building was bought principally through private gifts for \$13.4 million in November 1986, and operating expenses are to be met by the membership.



Above: The dining room planned for the new club.

Left: The new Cornell Club on East 44th Street in Manhattan. The first 10 stories (darkly shaded in this drawing) are the original building; the next four are being added.

As to overall membership, Hazzard says, it is anticipated that the rolls will eventually include 5,000 resident members, 1,500 suburban members and 7,500 nonresident members. Though the board has agreed on the principle that more recent alumni will pay less, detailed fees schedules have not been set.

"What we must emphasize," Hazzard adds, "is that individual use of the facility will depend on being a member. Alumni, faculty and university groups — as groups — will be very welcome to use meeting facilities for a great variety of university-related activities."

"But we have 145,000 living, 'addressable' alumni; those among them, and among faculty and staff, who choose to become members must have priority for personal use of the restaurants, tap room, exercise rooms, guest rooms or library. In a self-supporting enterprise, after all, these members make it all possible."

Alumni with membership questions may contact Hazzard at Alumni House, 626 Thurston Ave., Ithaca, N.Y. 14850 (Phone: 607-255-7083).

— Sam Segal

Cornell Summer Report

Published by the Cornell University Division of Summer Session, Extramural Study, and Related Programs



Shari Renaud

Investigating a crannog at Lough Ennell are Cornell Professor Robert E. Farrell, left, Irish diver Gary Dickson, and Barent Rice of the University of New Hampshire.

The course described below is a Special Program sponsored by the Cornell University Summer Session. It will be offered again in the summer of 1989.

The Manmade Irish Islands

Cornell professor leads expedition to locate mysterious crannogs

reprinted from the *Cortland/Tompkins Herald American* (July 10, 1988), courtesy of Syracuse Newspapers

by Lillie Wilson
Staff Writer

More than 2,000 years ago, when marauders plagued the Irish countryside, Celtic tribes started taking to the lakes of central Ireland for refuge in an astonishing way.

They built their own artificial islands—called crannogs—out of brush, timber and stone, creating structures that present-day archaeologists consider engineering marvels.

"They hand-built stable islands in silt-bottom lakes. It still amazes me," says Cornell University professor Robert E. Farrell, who has spent several of the past five summers exploring crannogs in three Irish lakes.

This summer's expedition turned up yet another wonder: about 50 miniature structures surrounding a number of half-acre crannogs in Lough Ennell—small satellite crannogs, so to speak—that Farrell refers to as "the equivalent of low-rise condominiums."

Those 50 antique condos

probably represent only a fraction of the lake's total, according to Farrell, whose team covered about 5 percent of Lough Ennell this trip. Farrell expects to find somewhere in the neighborhood of 1,000 such mini-crannogs in that lake by the time his project is finished five years from now.

From research done so far, it looks as if those mini-crannogs might have served as single-family dwellings, or perhaps special work stations for members of the tribe, he says.

The discovery was, in Farrell's words, a "mind-blowing" one for him and his project associates at the National Museum of Ireland in Dublin, which co-sponsors the work with Cornell.

"At Lough Ennell, I got the same feeling that I had when I looked at the Yucatan for the first time: That I was seeing an artificially altered landscape," he says.

The Celts constructed crannogs from about 800 B.C. through the Middle Ages, by piling dirt and

wood upon layers of brush, stone and trees, which they somehow submerged to create a stable foundation. No one has quite been able to explain how they managed it, Farrell says.

"What's so incredible is that people actually chose to live on the lakes, even though it took a tremendous expenditure of time, energy and economy to do so."

Most crannogs eventually became submerged, so explorations of preserved structures typically take place under water. In places where the lakes were drained, exposure caused quick and massive deterioration of the organic building materials. Deteriorated air-exposed crannogs had been the only ones studied until Farrell and his colleagues began on-site under-water archaeology in 1983.

The 1988 team was supplemented by nine students from the University of New Hampshire, University of Pennsylvania and Cornell, who received course credit in archaeology for their trouble.

From the Dean

by Charles W. Jermy, Jr., Acting Dean

Summer at Cornell is a time to concentrate, a time to explore new ideas, and a time to enjoy the area during its best season. This past summer, many Cornell students and faculty members, visiting students, and adults participating in continuing education programs discovered this for themselves.

In the three-, six- and eight-week summer sessions, 1,499 undergraduates and 356 graduate and special students took courses taught by 157 regular Cornell faculty members who were joined by 58 distinguished visiting faculty. Eight-five percent of the students are Cornell degree candidates.

Taking classes alongside these college students, 800 high school juniors and seniors found out what college life is all about, as participants in the Cornell University Summer College program (see story, page 2).

Cornell's Adult University attracted 595 adults and 511 youngsters to enroll in "education vacations." The CAU experience of the Donahue family is

described on page three. 4,406 professionals attended conferences coordinated by the Department of Conference Services, while others enrolled in short courses presented by Programs in Professional Education.

The Archaeology in Ireland program (see story, this page) is just one of a number of summer study-abroad programs. For example, other archaeology students accompanied Professor John Coleman to Greece, while art and architecture students went to Italy, France, Spain, and England. Of course, one doesn't need to major in these subjects to participate in overseas programs; they are mind-expanding experiences for students in any field. Special Programs also take place on campus and across the U.S. 1,390 students enrolled in Special Programs this past summer.

1989 will mark the ninety-ninth summer session at Cornell. I hope that as you read about some of our programs, you will begin to plan to be a part of it.

Six divers with archaeological experience from the Irish National Divers Association also volunteered their time and expertise.

In the lake called Lough Lene, the team discovered a pattern of timbers fanning out around the bases of several crannogs. There were hundreds of the timbers, all showing Celtic-style joinery notches, and they were huge, Farrell says—more than 10 yards long and half a yard wide each—too big, presumably, to be hand-manuevered into place underwater 1,000 years ago. But that's how they must have gotten there, Farrell concludes with awe.

The timbers may have functioned as something like porches, surrounding the crannogs with platforms for additional living space; or, they may have served to help insulate the crannogs from the cold lake waters, he speculates.

The expedition brought back measurements that will be fed into a computer program designed for

three-dimensional realization. Farrell and others will try to complete a hypothetical reconstruction of the Lough Lene crannogs by next year.

Past summers' expeditions to Irish lakes turned up a number of surprising, long-submerged artifacts, including an eighth century book shrine, a medieval cloak pin, a plow, and remains of two ancient wooden boats. The underwater environment has preserved a wide variety of materials in the silt bottom of the lakes, Farrell says.

But the maintenance of Ireland's crannogs is threatened now because lakes are being drained to make room for more agricultural land, says Farrell, who is pushing to finish his study of a phenomenon that may not be around much longer to investigate, at least not in any preserved form.

Eventually, Farrell hopes to see the project excavate an entire crannog "in its original context as a living island." No such excavation has been attempted yet.

The 1988 Summer Session theme was "Flight." Below is a brief discussion of next summer's theme.

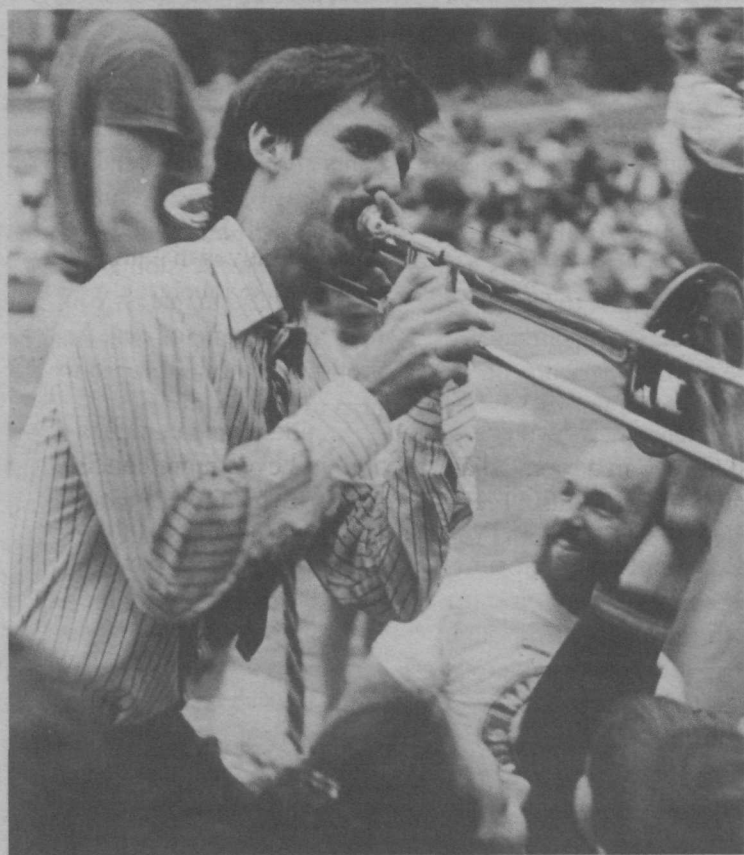
1989 Summer Session Theme: Revolution

The campus-wide theme of the 1989 Cornell University Summer Session is "Revolution." In the bicentennial year of the French Revolution—which, in one view, began the modern era in the West—we hope that this theme will provide a vantage point from which to consider our past and present conditions as well as their implications for the future.

Our own American culture is founded upon a philosophically-defined political revolution. Our history expresses the tension between claims based on unchanging natural rights and our recurrent enthusiasm for fundamental change. We live today in a climate of "revolutions": the computer revolution; the green revolution; completed revolutions in painting and poetry; and revolutionary changes (we are told) in family structures and gender role, economic beha-

vior, and personal values. We use the traditional language of revolution in discussing the worldwide political upheavals whose visual images appear nightly on our screens, and we are inclined to receive every new inhabitant of a presidential palace as George Washington until he or she forces us to admit otherwise.

If there are alternatives other than naive enthusiasm or weary cynicism with which we can respond to change, a university community is a good place to develop them. This summer, faculty members and distinguished visitors will interpret the concept of "Revolution" in its literal and metaphorical forms. Artists and performers will share their work and their vision. You are cordially invited to participate in the exploration and to incorporate our theme into your thinking about our past and our future.



A traditional jazz concert on the Arts Quad

Chip Tilden



Summer College students in a gleeful mood

Chip Tilden

Cornell University Summer College gives high school juniors and seniors the chance to experience university life, earn college credit, and explore career options.

Learning about Careers in Government

by Martha Goelzer

At Cornell University's Summer College, high school juniors and seniors take Cornell courses, live in dorms, and get a preview of what college life is all about. Many also enroll in an intensive career exploration program which may help them measure their interest in a certain career.

One of these programs is Explorations in Government and Public Affairs, which was created two years ago by Steve Jackson, assistant professor of government at Cornell, and Margaret Haine, director of Summer College. The program introduces students to the work of elected officials, civil servants, lobbyists, and political organizers.

Students take two Summer Session courses, for six or seven credits, one of which is a course in government. In the afternoons, they attend a not-for-credit course which features speakers who have various public service roles.

This summer's list of visiting speakers included an

alternate delegate for Jesse Jackson to the Democratic National Convention, the Mayor of Ithaca, a member of the Tompkins County Board of Representatives, and a member of the World Wildlife Fund/Conservation Foundation. Discussion sessions are an important part of the afternoon course.

"One of the points of this, in my mind," Professor Jackson states, "is to show them the variety of things that people do in what's called politics and public affairs."

Another point which Professor Jackson emphasizes is that, "in politics, as opposed to many other careers, there is no set career. Most of the people in politics who are playing one role at one time very likely have played some other role at some other time, or will in the future."

Professor Jackson views the sessions as a valuable forum in which students start thinking about "what might it mean if I end up in a career in Government and

public affairs?"

Tara Bannister, one of nineteen Summer College students who participated in the Explorations in Government and Public Affairs program this summer, appreciated the perspective on "what a politician is and how a politician should act," that the afternoon course provided.

Fellow student Matthew Estabrook welcomed the opportunity to examine other political points of view—a process which, he believes, will sharpen his decision-making during the November elections, when he will be voting for the first time.

According to Professor Jackson, this year's group included "particularly vocal contingents of both Reagan republicans and liberal democrats, so essentially we had a continuing dialogue throughout the term, with every visitor, where the questions would be coming back and forth from both sides."

Division of Summer Session, Extramural Study, and Related Programs

Cornell Summer Report,
B12 Ives Hall
255-4987

Cornell University
Summer College,
B12 Ives Hall
255-6203

Cornell University
Summer Session,
B12 Ives Hall
255-4987

Programs in
Professional
Education,
B12 Ives Hall
255-7259

Extramural Study,
B12 Ives Hall
255-4987

Cornell University
Conference Services,
221 Robert Purcell Union;
255-6290

Cornell's
Adult University,
626 Thurston Avenue
255-6260

Let Your Mind Live

"Find a subject that you really like and study it—don't worry about the future." That's the advice L. Pearce Williams, the John Stambaugh Professor of the History of Science, gives the Summer College students in the Humanities and Sciences Explorations Program, which he directs. A narrow focus on preparing for a career is a mistake, Williams believes. More important, students must find out what excites intellectually and follow their interest in that subject,

whether it's history, women's studies, entomology, accounting, or any other field.

The aim of the Humanities and Sciences Explorations Program is to reveal what a University education is like at its best and to foster respect for the "life of the mind." Williams plans to invite great scholars and thinkers at Cornell to present one hour lectures, explaining how and why they do what they do and how they got to do it. The program will also feature speakers from a wide range of fields who will

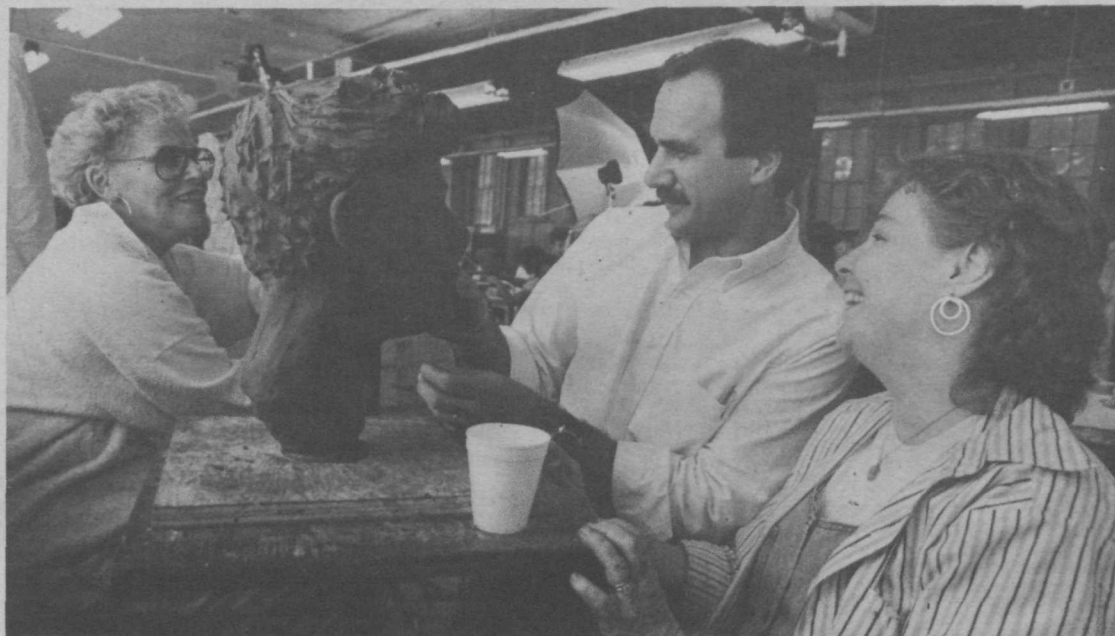
talk about their educational background, explaining, for example, that a career in business may be what's in the cards for a classics major.

An important aspect of the Summer College program is the introduction of the students to counselors at the Cornell Admissions Office, who will attempt to demystify the admissions process, explaining the best approach to filling out applications and how to make the most of campus visits and college interviews.

Cornell's Adult University offers "education vacations" to alumni and friends of the University—and their children or grandchildren.

CAU: A Family Education Vacation

by Margo Hittleman



CAU participants in a sculpture class taught by Professor Roberto Bertoia

David Ruether

What is it about Cornell's Adult University that brings people back summer after summer, some for more than a decade? For the members of the Donahue family from Norwich, Vermont, on campus for their second CAU season, the answer crosses generations: new friendships, new ideas, and a wonderful way for families to spend a vacation together while enabling everyone to pursue their own interests. One afternoon the Donahues came together to talk about their experiences at CAU.

class was interdisciplinary, bringing in guest lecturers from a variety of departments to share their expertise. "It's a fascinating look at that whole century and the connections to modern times," Emily said. "We've heard about the history of architecture, music, art, food and eating customs, as well as the trivia—things you always wanted to know but never had the chance to ask."

Stephen, age 11, was enrolled in a program entitled "Art in Action" led by instructors from the education department of Cornell's

sharing ideas."

"It's great fun," Emily added, "to listen to people who are able—in true professional style—to take a thought, develop it, and bring it to some coherent conclusion in an hour. It's like being an undergraduate all over again ... without all the homework."

And then there are all the other activities: early morning tennis games, an afternoon trip to swim in Cayuga Lake, evening concerts and lectures. "You've got the added advantage," Dennis noted, "that Ithaca is such a nice place physically."

The 150 adult participants who make up CAU's "student body" each week for four weeks are a varied group. They range in age from recent graduates to those who have been out of school for more than forty years. Many CAU participants are repeaters, people who come back year after year, with some boasting of continuous attendance for more than a decade. Each year, increasing numbers are younger Cornell alumni.

The link, given this diversity, is an interest in expanding one's horizons—learning something completely new or exploring a favorite subject in greater breadth—and a willingness to get involved. "People are quite willing to enter into the process," Emily noted. "They don't just come sit in on lectures, pack their bags and go home. They are interested in being part of the group."

"I think the professors appreciate the program as well," Emily said, "having older students who are really interested in what they have to say. It's a two-way street, and it comes across."

The same careful attention paid to the needs of adult

participants goes into developing the youth program. "This is a really workable environment for a family with children," said Dennis. "Everything's taken care of—a place to stay, a place to eat, things to do. It's a nice alternative to other choices for a vacation." Age-specific supervised activities, which include a combination of learning, recreation, free time, and dorm living, are offered from 8:30 a.m. until bedtime. A quick glance at this year's activities shows something for everyone: sports, crafts, wacky olympics, camp-fires, and trips to nearby parks. The science center, the art museum, and the Cornell dairy were but a sampling of places to go.

Stephen gave top review to swimming trips to the Cornell pool and local parks—no surprise given this

"I'm always wondering whether my children are doing enough, learning enough. Here they are able to do a bit of a lot of things. They get to know some other people totally outside the rules and regulations of their own community. You see very little of kids sitting in front of TV sets; I like that. This week is special for them."

"All in all, CAU is a total removal of yourself from the regular world, a stepping out of your daily life," she continued with a smile. "I've sat back and allowed myself to cogitate on all the things that happened under Louis XIV, to see that time as a whole. And it's kindled some new thinking. I was in the right mood, not with my mind half on the lecture, half on what I was going to make for dinner, who was going to pick up the children from soccer practice."

"All in all, CAU is a total removal of yourself from the regular world, a stepping out of your daily life"

"...new friendships, new ideas, and a wonderful way for families to spend a vacation together..."

Dennis Donahue, a computer software specialist who is soon to become the national coach for the U.S. Biathlon Association (cross-country skiing and rifle marksmanship), was participating in a class on leadership led by Professor Don Tobias, a faculty member in the College of Human Ecology's Department of Human Service Studies. The 25 students in the class, from social service, volunteer, and business organizations, had just finished viewing a fast-paced video on successful entrepreneurs featuring Ken Blanchard, author of the best-selling *One Minute Manager*.

Emily Keast Donahue '67, a middle-school French teacher, time-travelled to "the Court of the Sun King" through a course on Louis XIV led by Alain Seznec, professor of Romance Studies and former dean of the College of Arts and Sciences. Like most CAU offerings, the

Johnson Museum of Art. He talked knowledgeably about how to make Chinese scrolls out of rice paper and Japanese screens and chops (signature stamps).

Sara, 8, arrived, carrying a just-made tie-dyed T-shirt and eager to share the story of that morning's trip to Tompkins County Airport where her group, exploring the theme "flight," boarded a small plane and learned about life in a cockpit. Dennis and Emily's oldest son, Chris, who is 14 and participated in CAU's teen program last summer, enrolled in Cornell's Sports School this year.

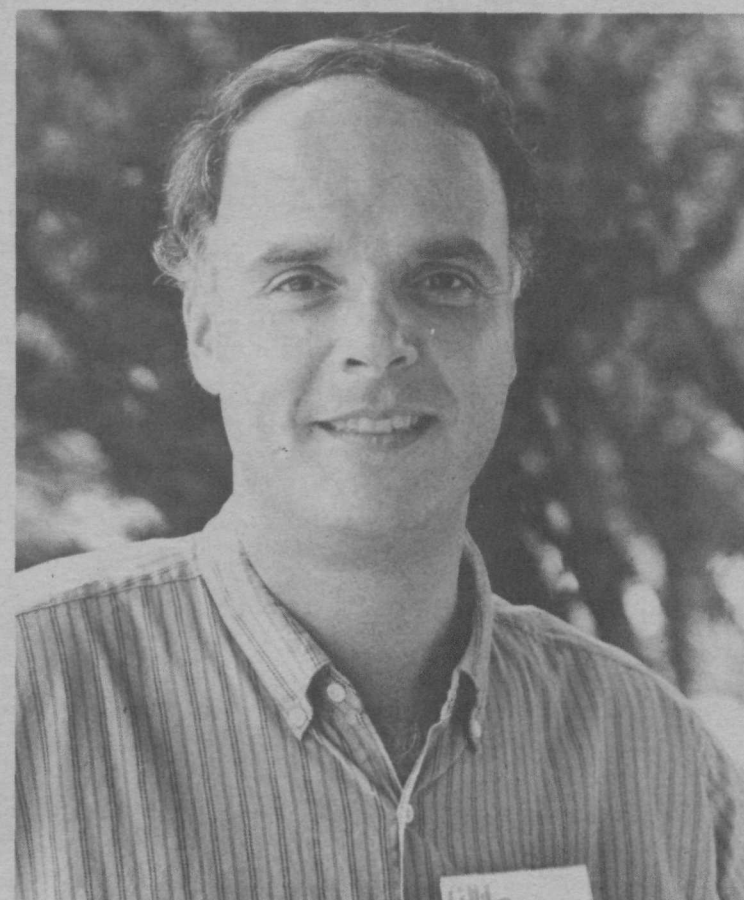
The emphasis at CAU is on active learning. "A major value of this program is being thrust into an environment with a group of adults—none of whom you know—having a topic, hearing a professor direct traffic, and listening to the students add their thoughts," Dennis said. "It's a nice mechanism for

summer's heat wave—and the chance to meet new people. For Sara, the best parts of her Cornell week were getting a roommate, her counselors, (unequivocally rated "nice"), and "not having to set the table." (Three-to twelve-year-olds are paired with roommates their own age and housed in a room adjacent to their parents. Teens live in separate quarters for the week.)

"As a parent," said Emily,

For me, it's more of a vacation than simply going to a resort. This imposes something else on your mind, gives you alternatives that are so attractive, so much fun, how can you do anything else but get engaged? I can't recommend it highly enough."

Stephen's recommendation was even more concise. Asked by his father: would you want to come back? He responded quickly, "Sure. It's fun."



CAU director Ralph Janis, '66

Charles Harrington

Winter Session, sponsored by the Division of Summer Session, Extramural Study, and Related Programs, gives students an opportunity to complete a course in three weeks.

Cornell Winter Session Course List

January 3 - January 20, 1989

Art

121 Introductory Painting

E. Mikus 3 credits
Will cover the problems of artistic expression through the study of pictorial composition, proportion, space, shapes and color as applied to abstract and representational design.

151 Introductory Drawing

E. Mikus 3 credits
A basic drawing course in the study of form and different techniques in black and white and color still life drawing.

371 Independent Study

E. Mikus v3 credits

Business

570 Negotiations for Managers

E. Brooks 3 credits
In this program you will discover how to use planning, tactics, power and timing for successful negotiating. Readings, case studies, and a self-improvement checklist steer you through a series of management negotiating situations. You learn how to: gain and maintain the strategic edge, negotiate from a weak point, develop alternatives, deal effectively with peers, organize your negotiation team, and cope with crisis negotiation.

Economics

102 Introductory Macroeconomics

G. Staller 3 credits
Analysis of aggregate economic activity in relation to the level, stability, and growth of national income. Topics discussed may include the determination and effects of unemployment, inflation, balance of payments, deficits, and economic development and how these may be influenced by monetary, fiscal, and other policies.

315 History of Economic Analysis

M. Falkson 4 credits
Early writings in economics and their relationship to current economic analysis and policy issues, for example, ancient and medieval philosophers on justice in exchange; mercantilist arguments for trade protection; early theories about the effect of monetary expansion (D. Hume); the role of the entrepreneur (Cantillon); and general competitive equilibrium (the Physiocrats). The most recent reading assignment in this course is Adam Smith's *Wealth of Nations* but the emphasis is on the relationship between the precursors of Adam Smith and his *Wealth of Nations* to modern economic analysis and current efforts to answer some of the questions raised in the early writings on economics.

Education

497 Workshop in Communication

M. Glock 0 - 2 credits
Offered 1/9 - 1/13
Hostility and alienation are the unexpected and undesired responses we have all occasionally triggered when trying to coordinate our own needs with those of our organization or family. How can we get to the root of misunderstandings that erode relationships? How can we communicate effectively so that we increase our confidence in ourselves and the confidence of others in us? How can we cope with difficult people? In this workshop participants learn from telling, showing, demonstrating, video and audiotapes, small-group work, and role playing. Appropriate for all who work with people—teachers, administrators, managers, nurses, parents, and other professionals. A paper is required for credit. Fee, \$25.

English

211 Reading and Writing of Fantasy and Horror

R. Farrell 4 credits
Using selected works of J.R.R. Tolkien, Steven King, and Bram Stoker, we will examine the information base and techniques of these writers

More courses may be added to this roster; please call 255-4987 to ask about classes added after this date. Also, students may arrange to study independently.

as bases for the creation of new works of fiction in these genres. A great deal of the course will be done in individual and small-group tutorials. It is recommended that students read the full *Lord of the Rings*, Stoker's *Dracula*, and King's *The Shining*, Salem's *Lot* and *Firestarter* before the course begins.

270 The Reading of Fiction

P. Marcus 3 credits
This course covers forms of modern fiction, with emphasis on the short story and novella. Students write critical essays on works by English, American, and continental writers from 1800 to the present. These writers may include Lawrence, O'Connor, Woolf, Faulkner, Mann, Kafka, Joyce, and others.

280 Creative Writing

R. Morgan 3 credits
An introductory course in the theory and practice of writing narrative prose, poetry and allied forms.

Food Science

450 Fundamentals of Food Law

P. Hopper 1 credit
Offered 1/12 - 1/18
Introduction to the complex array of Federal and State statutes and regulations that control the processing, packaging, labeling and distribution of food including aspects of safety and nutritive value. Emphasis will be placed on the FDA and USDA, but will also reference additional regulatory agencies. A case study format will be used.

Government

111 Government of the United States

B. Ginsberg 3 credits
An introduction to government through the American experience. Concentration on analysis of the institutions of government and politics as mechanisms of social control.

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Doug Hicks