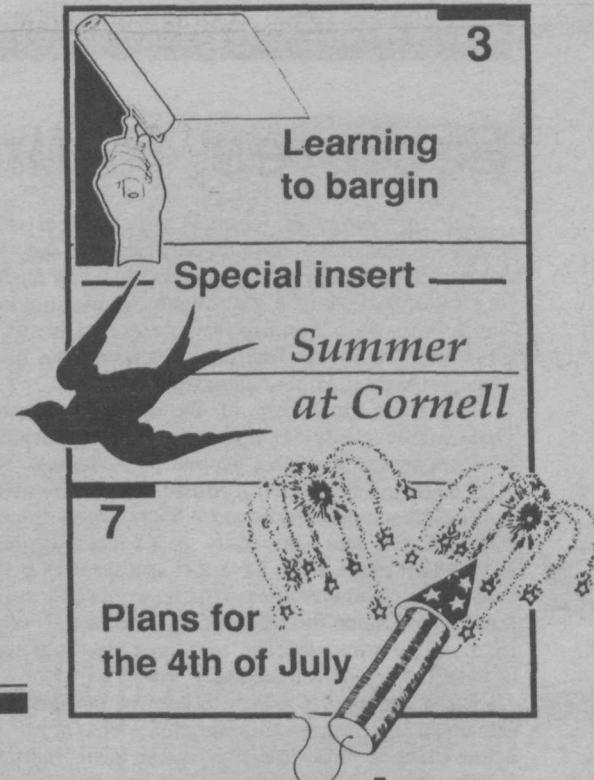


Cornell CHRONICLE

Volume 19 Number 36 June 23, 1988



Theory Center funds restored; other cuts remain

New York Governor Mario Cuomo and the university reached an agreement on Theory Center funding just in time to prove their joint commitment to a visiting team from the National Science Foundation.

The team came to campus Tuesday as part of a review of a Cornell proposal to renew NSF sponsorship and funding — for six years, at a total federal cost of \$111 million — for the national Center for Theory and Simulation in Science and Engineering at Cornell.

But the visit coincided with the efforts of

the governor and the legislature to cut expenses because of a projected revenue shortfall of disputed amount. Cuomo, who projects the shortfall at \$900 million, had resolved to institute mid-year cuts intended to balance the budget. Among them, he had announced cutting state support for the Theory Center — the \$733,000 remaining on the \$800,000 in operating funds for the fiscal year begun April 1.

"The state's fiscal crisis is real," said John F. Burness, vice president for university relations, "and we understand that,

while \$733,000 is only a small part of the state shortfall, any savings are crucial in the face of a revenue crisis.

"Nevertheless, an NSF official had told me they couldn't even take a renewal proposal to the National Science Board without a state commitment toward the project. So we had a dilemma. We're grateful that the executive chamber saw its way to demonstrating once again the state's support of high technology."

Burness said the university had "goofed by not communicating better with the

state." While there was informal discussion, he said, "we probably should have been clear about getting the state's formal support before submitting the renewal proposal to NSF. That goof probably contributed to some of the confusion between Cornell and the state's budget division."

It was not until the morning of the NSF team's visit that the renewed funding commitment was agreed on.

According to Burness, Lt. Governor Stan Lundine, representing Cuomo, called to say

Continued on page 7



Claude Levett

Foreign students attending a summer class at the Hotel School's Center for Professional Development are treated to a barbecue at the home of Professor Florence Berger. Etienne Merle, center, owner and chef of L'Auberge du Cochon Rouge restaurant, and Abby Nash (to Merle's right), owner and chef of Abby's Restaurant, grilled mushrooms, shrimp and salmon steaks for the party last Thursday. Berger's "Creative Management for Organizational Change" is one of 50 seminars offered to almost 600 professionals in the hospitality industry from 70 countries.

Grads petition to nix tax on tuition grants

Graduate School Dean Alison Casarett has gathered more than 1,500 signatures to back federal tax action that could keep thousands of graduate students from slipping below the poverty line.

She is seeking a clarification that, under the Internal Revenue Code, graduate teaching assistants (TAs) and research assistants (RAs) don't have to pay income tax on the dollar value of tuition grants.

Some 60 percent of the nation's full-time Ph.D. students — or about 200,000 students — serve as TAs or RAs, according to Thomas J. Linney, director of government relations for the Washington-based Council of Graduate Schools. Such students receive cash payments, or stipends, for their teaching time and credit equal to tuition.

Under the Tax Reform Act that began affecting all graduate students on Jan. 1, TAs and RAs must pay income tax on the stipends. For a number of complex reasons, however, it is not clear whether they also must pay income tax on the dollar value of what they receive to cover tuition.

Casarett and other educators, working with Linney's organization, are trying to convince Congress that a tuition tax could sink hard-pressed graduate students into

Continued on page 8

Educator to head Equal Opportunity Office

William M. Thompson, a program officer with the U.S. Department of Education's Fund for the Improvement of Postsecondary Education, will become director of the Office of Equal Opportunity and deputy director for human relations here on Aug. 1.

"Mr. Thompson offers over 20 years experience as an educator and staff development specialist," said Joycelyn Hart, associate vice president for human relations, in announcing the appointment. "He is dedicated to promoting excellence in education, and will not only enforce the anti-discrimination statutes we must carry out by law but will also bring to Cornell a commitment to developing effective human relations programs."

Thompson said, "I am impressed by the Cornell faculty and administration's dedication to achieving human relations goals. This willingness to go beyond compliance with the law should serve as a plus in bringing minorities and women to the campus,

and I look forward to helping the university achieve its goals in this area."

He started his career in 1967 as a teacher and social worker for the Catholic Archdiocese of Washington, D.C., where he established and directed an elementary school in Jamaica, W.I.

From 1971 to 1978, he was a coordinator and director of the Lincoln, Mass., School Department, where he obtained school board approval to permit minority parents of bused-in students to sit on the board, without voting, and to take part in board discussions and serve on committees. He also served on the Executive Board of the Metropolitan Council for Educational Opportunity, the state's governing body for voluntary inter-district transfer of students.

He has also served as evaluation specialist for the Boston School Department, and program analyst and civil rights analyst for the U.S. Commission on Civil Rights, Washington, D.C.

At the Fund for the Improvement of

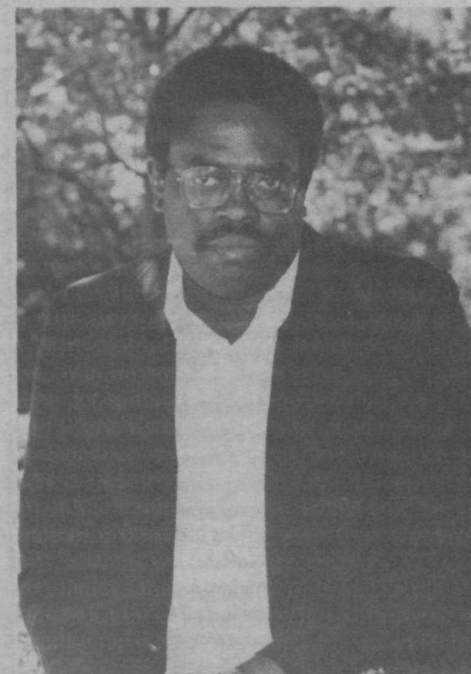
Postsecondary Education, Thompson reviewed and monitored implementation of grant proposals for innovative improvements in education, including projects dealing with minority access and retention.

He also coordinated the Fund's Student Community Service Competition, which encourages postsecondary institutions to find innovative ways to increase students' interest and participation in service to communities and to devise innovative ways to reduce students' educational debts.

He received a bachelor's degree in history in 1961 from Florida A&M University, and a Ph.D. in social psychology in 1981 from Boston College. His publications include a paper presented at a 1987 national conference on retention of minority students in Tampa, Fla., "Innovative Improvements in Access and Retention Projects."

Thompson is married to the former Mary Blackwell of St. Mary's County, Md. The couple has one son, William.

— Joe Leeming



Charles Harrington

William M. Thompson

Lectures, forums prove popular among reunion alumni

The mythology of reunions may neglect an important reality: Returning alumni do participate in the serious, academic life at the university. Herewith, a few examples.

On June 10, in the Kaufmann Auditorium of Goldwin Smith Hall, a standing-room-only crowd heard three Arts and Sciences faculty members examine the question: "Is There a Crisis in Higher Education?"

The three, members of the college's Committee on Undergraduate Education, were visiting Associate Professor of Philosophy Anthony Appiah, Associate Dean Isaac Kramnick and Professor of Music Don M. Randel.

They disputed assertions by Secretary of Education William Bennett and University of Chicago Professor Allan Bloom that universities have lost any sense of purpose. Although some universities may have shaped curriculum to suit fashion since the mid-1960s, "We at Cornell have tried to maintain some fidelity to things we think will outlive current fashions," Randel said.

The audience voiced more interest in another topic: the impact of research on undergraduate education. Kramnick acknowledged that "there is some basic incompatibility" between the impulse to work at the frontiers of research and the need to teach undergraduates material that may seem elementary to the faculty. "Put in the last three or four years, Cornell has made a major commitment to undergraduate education" while maintaining its first-tier position in research, he asserted.

Also during the weekend, alumni heard Carl Sagan, the David Duncan Professor of Astronomy and Space Sciences, voice what he called his goals for the 21st century when he delivered the Spencer T. and Ann W. Olin Lecture.

"I'm worried that we have lost the notion of a believable, benign future," and that it has been replaced by "a vision in which, unable to read, to think, to invent, to compete, to make things work, to anticipate events, our nation sinks into lethargy and economic decay," Sagan said.

He said that he hopes instead for "times when technology is a tool for human well-being, and not a gun on hair trigger, pointed at our heads." Fortunately, "we live at what may turn out to be the most important turning point in the nuclear arms race," although only 3 percent of the global arsenal is about to be eliminated by treaty, he said, adding that the goal now should be "a minimum deterrent force."

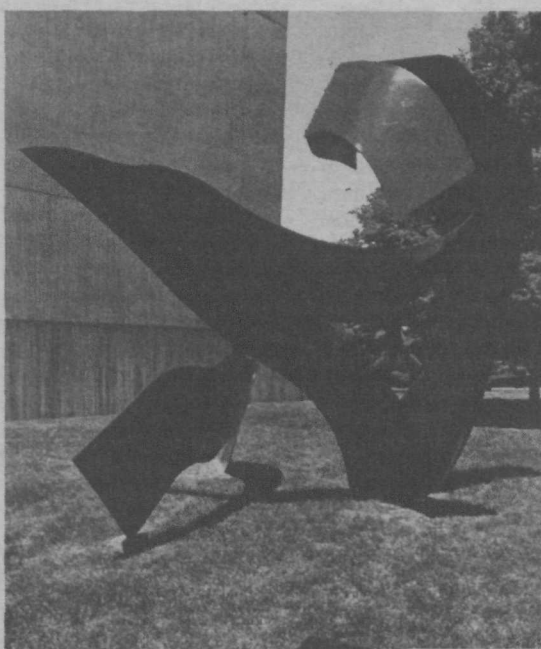
The nations of the world spend \$1 trillion a year on armaments, Sagan recounted. Spending one-third of that sum — which coincides with the annual expenditure on illegal drugs — would bring the billion poorest people on earth to a decent standard of living, which is also the point at which third-world populations would stabilize, he asserted.

President Frank H.T. Rhodes, in a talk on the state of the university, raised eyebrows by reporting that a record 21,765 applicants sought the 2,800 places in the next freshman class. Undergraduate education, a "fashionable topic of national concern" elsewhere, "has long been a major priority on this campus," he noted.

Rhodes described efforts to re-evaluate the curriculum and student support activities so that "the richness of the formal Cornell program, with well over 2,000 courses available at the undergraduate level, is being tailored to the needs of individual students. The especial challenge at a university such as this one is how to link liberal education in the old traditional powerful sense with professional education.

"The goal in all this is simple," Rhodes said. "It is to enable our students not only to make a living — and a superb living in professional terms — but also to help them make a life. And we believe the two go together."

Asked to address outstanding concerns, he cited the cost of attending college. "It's a real problem for us to continue to make need-blind admissions; getting harder and harder



Claude Levett

ARTWORK COMMEMORATES CLASSMATE — "Remembrance," a minimalist steel sculpture 15 feet high and painted Cornell red, created by Vermont sculptor David Stromeyer in memory of Joseph Brender, a 1955 graduate of the College of Agriculture and Life Sciences who died during a Formosa Crisis military alert in 1958 when the Navy jet fighter he was piloting crashed after a landing-gear malfunction prevented him from returning to his aircraft carrier. The sculpture, installed in front of the Johnson Museum, was dedicated on June 11. Among those who took part in the ceremony was one of Brender's former roommates, Dr. Jay Hyman, '55, D.V.M. '57, who organized support for the sculpture among friends, including the brothers of the Alpha Epsilon Pi fraternity.

every year. The change of federal support for students from grants to loans in recent years has had a devastating effect on college attendance by people in low-income groups."

Theodore J. Lowi, the John L. Senior Professor of American Institutions, presided over a panel discussion on the theme, "What's New Under the Political Sun Since 1963?" The class of 1963 was a sponsor.

Irv Chapman, a former ABC News correspondent who now directs the Cornell News Service, recalled the years of the John F. Kennedy administration which, "as time goes by, seem more and more like the high point of our political civilization." He suggested that subsequent presidents all too quickly lost the confidence of those who voted for them.

Joel H. Silbey, the President White Professor of History, agreed that in 1963, "The political world was seen in the most favorable terms, the attitude toward the ability of government to achieve great ends was very high. Perhaps the most profound thing that has happened in these 25 years has been the decline in our positive attitude toward politics," which is now as often as not perceived as sordid. The role of political parties "in knitting us together in very important ways" has been lost from sight, he asserted.

Paul H. Weaver, a 1963 graduate now with the Hoover

Institution at Stanford University, characterized the 25-year period as "an explosion of lying and hypocrisy in American public life," which he ascribed to "the rise of a spirit of oligarchy," the denial of a need for accountability by leaders.

The lies he cited included: that the assassination of President Kennedy was carried out by an individual working alone, and that President Johnson, "as he well knew when he was running" and promised otherwise, involved the United States in "a gigantic war in Asia that he and his successor proceeded deliberately to lose."

Weaver also said that President Nixon "made his career as an anti-Communist, but of course masterminded detente with the Soviet Union," and pledged to maintain a stable currency, though imposing economic policies with the opposite effect. And Weaver asserted that Ronald Reagan, "the most interesting and really the most extraordinary political leader of our lifetime," except for the tax cut, "ended up going along with the big government of which he had been the severest critic."

Kathleen Francovic, '68, director of surveys for CBS News, cited these major political changes in the 25-year period: the shattering of the Democratic "solid South," which is now solidly Republican in presidential years, while newly enfranchised black voters elect Democrats to local and statewide offices; a "gender gap" in which male voters gave Ronald Reagan a landslide while women split their vote equally with his incumbent opponent and today men divide evenly between candidates Bush and Dukakis, while women give the Democrat a 20-point edge.

In the primary season, she said, "the Iowa caucus came to the fore from nowhere," and that is where it has returned full circle, no longer the event a candidate must win to go on to nomination. And "money matters — this year the best-financed candidates won the nominations — and television matters."

Also in the course of the weekend, about 50 people packed Olin Library's seventh-floor conference room to see rare Hebrew, Latin and English texts that will become the core of the library's Judaica collection.

Alain Seznec, the Carl A. Kroch University Librarian, reported that a Tudor Foundation grant had allowed Cornell to buy the personal collection of Isaac Rabinowitz, an emeritus professor of Near Eastern Studies. Some alumni had provided further donations that Seznec said would be applied to a library fund for future expansion of the Judaica collection.

One such addition, Seznec announced, was already in the works thanks to a donation from Steven Stern (Class of 1964), who is buying for Cornell one of the limited-edition facsimiles of The Rothschild Miscellany. The work is an elaborately illuminated, 15th-century Italian book on Jewish life and religion, which the Rothschild family gave to the National Museum of Israel about 30 years ago and which Israel has only recently permitted to be copied for a facsimile edition.

As the guests sipped herbal tea and ate chocolate cake, Rabinowitz told anecdotes about his acquisition of some of the works. Cornell has already acquired the part of the collection that is rare — 137 printed volumes and 25 manuscripts constituting landmarks in Jewish intellectual history, mostly works in Hebrew and Latin, mostly written from the mid-16th to early 19th centuries. The rest of the collection, to be acquired over three years, includes some 2,000 volumes predominantly concerned with Biblical studies, medieval Jewish philosophy and rabbinical writings.

The larger, regular collection will supplement existing holdings concerned with Jewish studies and will be generally available; the rare materials will be available for high-level scholarly research only, Seznec said.

— Irv Chapman and Sam Segal

Cornell Chronicle

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Briefs

■ **Van Tienhoven award:** As the 1988 winner of the Ans van Tienhoven Travel Award, Mary Ochs, document delivery librarian in the Albert R. Mann Library, went to Philadelphia and New York City to study the use of the newer methods of telefacsimile technology for rapidly transmitting documents from other sources for users of Mann Library. The award was established in 1987 by Ari van Tienhoven, professor of animal physiology, in honor of his wife.

■ **Burness on panel:** John F. Burness, vice president for university relations at Cornell, has been appointed to the Commission on Public Relations of the National Association of Independent Colleges and Universities. The commission reports to the association's board of directors and recommends policy positions on issues surrounding public awareness of higher education.

■ **Health care:** Sixty health care professionals from the United States and five other countries are taking part in the 31st annual Cornell Health Executives Development Program on campus under the auspices of the Sloan Program in Health Services Administration. The seminar, which began June 19 and continues through June 24, covers current thinking on health policy

and management. Included on the 25-member faculty were Professor Rashi Fein of the Harvard University Medical School, Dr. David Roger of the Cornell Medical College, and James Tallon, majority leader of the New York State Assembly.

■ **Folk guitar lessons:** Phil Shapiro will give six one-hour group folk guitar lessons in Willard Straight Hall starting with first lesson on June 28. Students will register at the first session and pay a \$25 course fee. A beginners' class will start at 7 p.m. for those persons who've never played or who've played just a little. Intermediate classes will be held at 8 p.m. and are for those with some experience who want to learn finger picking. The class also includes an introduction to improvisation. For details, call Shapiro at 844-4535.

■ **Film on film making:** "Sullivan's Pavilion," billed as a genuine Adirondack comedy about movie making, families and life in a small town, will be shown at 7:30 p.m. on July 1 in Uris Auditorium by Cornell Cinema. Admission is \$3. The film maker, Fred G. Sullivan, will be present to discuss his work following the showing. There will be a second screening at 7:30 p.m. on July 2, but without Sullivan's presence.

Obituary

Emeritus Professor Albert W. Laubengayer, a member of the chemistry faculty from 1928 until his retirement in 1966, died June 15 at his home on Berkshire Road. He was 89.

He was the author of the textbook "General Chemistry" and "Laboratory Manual and Problems in Introductory Chemistry."

Since 1967, the Department of Chemistry has awarded annual Laubengayer Prizes to students in honor of Laubengayer's interest in undergraduate students and extensive activity in undergraduate instruction.

He was the author of about 80 articles and reviews in inorganic chemistry and trained some 90 graduate students.

In 1941, Laubengayer produced the first single crystals of the element of boron in his laboratory, which led to developments in electronic devices. Nine years later, he revealed that work with a General Electric Co. scientist showed that a chemical union of boron and organic substances could produce plastics, lubricants and waterproofing.

Born in Saline County, Kan., he earned a bachelor's degree in chemistry in 1921 and doctorate in chemistry in 1926 at Cornell.

Survivors include his daughters, Susan L. Cowing of Binghamton and Nancy L. Smothergill of Syracuse, and five grandchildren.

'Gene gun' successful in experiment to restore chloroplasts, mitochondria

Molecular biologists have used a "gene gun" developed here to restore the energy-producing ability of animal and plant cells by shooting DNA into their biological power-houses.

Writing in the June 10 issue of the journal *Science*, researchers at Duke University and Cornell reported shooting DNA-coated microprojectiles into the chloroplasts of green algae to restore photosynthesis. In the same issue of *Science*, researchers at the University of Texas Health Science Center, Duke and Cornell reported restoring respiratory capacity in the mitochondria of baker's yeast using the same technique. The yeast and algae cells used as targets were special deficient versions, whose energy-producing capacity had been crippled.

"The implications of this genetic restoration method are profound," said Ronald Butow, one of the University of Texas biochemists conducting the yeast studies. "Now it will be possible to alter and engineer the mitochondrial genes to discover how they interact with genes in the cell's nucleus, to probe the evolutionary pathways leading to the development of modern animals and to develop new ways of treating genetic diseases."

Success with restoring the oxygen-to-energy function of mitochondria with fired-in DNA may pave the way for intervention in a number of diseases, including muscle weakness resulting from faulty energy production, Butow speculated.

"Genetic transformation of mitochondria and chloroplasts seemed to be an intractable problem because they are surrounded by tough, double-membrane envelopes and because each mitochondrion and each chloroplast contains many copies of its genes," explained John Sanford, associate professor of horticultural sciences here and one of the inventors of the gene gun.

"These experiments demonstrate that direct mechanical introduction of DNA into organelles, using high-velocity microprojectiles, is an effective means of transforming mitochondria and chloroplasts," Sanford said.

Announced last year by the Cornell researchers at the National Nanofabrication Facility and Agricultural Experiment Station at Geneva, biolistic transformation takes a "shotgun approach" to genetic engineering:

- Hundreds of thousands of tungsten microprojectiles, each about a millionth of a meter in diameter, function as shot in a shotgun shell. The microprojectiles are coated with the genetic material to be inserted into cells, then attached to a nylon macroprojectile, the equivalent of the wadding in a shotgun shell.

- The macroprojectile and the gene-coated microprojectiles are accelerated to nearly the speed of sound by the blast of a .22-caliber blank shell, more commonly used in construction workers' nail guns.

- A plate with a small hole stops the macroprojectile after several inches of travel, while allowing the microprojectiles to continue into plant or animal cells in a target dish.

- Although many microprojectiles miss their target, enough penetrate cell walls and organelle membranes without doing critical damage to release the genetic material inside.

Bombardment with microprojectiles has advantages over conventional genetic engineering techniques, Sanford said. Unlike the more common techniques of transferring genes by way of microorganisms, this works on any type of host plant or animal cell. Microinjection of genetic material using tiny pipettes, also commonly used, works on only a single, relatively large cell at a time. In contrast, bombardment affects thousands of cells with each blast.

The so-called gene gun was invented in 1984 by Sanford, Edward Wolf and Nelson Allen, all of Cornell. Ted Klein, a postdoctoral fellow in Sanford's laboratory, helped to refine the process and show that it worked on cells of diverse species, including rice, wheat, soybean and corn.

But the tiny, intricate organelles within cells — mitochondria, the energy-generating powerhouses for animal cells, and chloroplasts, whose chlorophyll uses light to create energy-rich molecules in plants — were greater challenges for the gene gun.

The *Saccharomyces cerevisiae* yeast mitochondria studies were conducted on cells that were unable to "breathe" and grow because of previous genetic manipulation. The appropriate DNA sequence, when fired into the yeast cells on microprojectiles, restored respiratory function and the ability to grow and reproduce.



Claude Levett

The "gene gun" for injecting DNA into plant or animal cells, developed by Edward Wolf and John Sanford, is prepared for operation by Guang-Ning Ye, a graduate student in botany.

A similar genetic engineering strategy restored the photosynthetic function to mutant chloroplasts of *Chlamydomonas reinhardtii*. Within days, the algae were green.

—Roger Segelken

Washington, D.C. shelter calls on Cornell experts

Cornell faculty and students who pioneered the nation's first course in housing and feeding the homeless are living in a Washington, D.C., shelter for five days to instruct volunteers in preparing food for the 3,000 meals they serve daily.

The newly relocated 1,000-bed shelter, operated by the Community for Creative Non-Violence and directed by Mitch Snyder, invited the Cornell specialists to help improve their kitchen management. There is one of the largest centers for the homeless in the United States.

The Cornell group that has been living at the shelter at 425 Second St. N.W. since

last Monday includes Ann Hales, coordinator of the homeless course; John Ford, chairman of the Department of Human Service Studies; Gregory Norkus, a lecturer in the Hotel School; May graduates Ursula Stock and Carmel D'Arienzo, who received master's degrees in professional science, and Luis Laboy, who will start work in a Washington hotel in July; and two Ithaca volunteers — Buck Johnson, an art gallery owner, and LaBerta Glasser, who chairs Ithaca's Task Force for the Homeless.

"The Community for Creative Non-Violence asked us to teach its staff people the most effective use of such big kitchen

equipment as a 35-gallon brazer pan, 40-gallon steamer, convection ovens and a buffalo chopper," said Hales, a former Peace Corps worker in Liberia with a master's degree in psychiatric nursing and a Ph.D. with a thesis on migrant farm workers.

"The Washington people want instruction in planning large menus from donated food that often is limited in variety and includes fresh produce that must be consumed quickly before it spoils," Hales said. "Farmers drive to the center with a load of fresh vegetables, and center workers want our guidance in how to prepare large casseroles on short notice, how to handle 100

cabbages before they wilt. Unlike restaurants that plan menus days in advance and procure only required ingredients, feeding stations must prepare meals with whatever food items are donated."

The Cornell team will use hospitality industry marketing skills to teach Washington workers how to sell restaurant managers on the idea of donating food to feeding stations rather than dumping leftovers in the garbage, Hales said. They will try to encourage restaurant operators to give surplus equipment or provide money or technical training to feeding programs.

—Albert E. Kaff



Claude Levett

A practical approach to learning construction planning engrosses engineering Professor Ken Hover and two of his students, Debra Gerardi, left, and Bruce Bartel, right, both in civil engineering.

Professor poses as subcontractor to teach students real-life bidding

The 27 engineering students in Kenneth Hover's new construction planning course found themselves bombarded with late-night phone calls this spring from Andy Amp, Al Cheatham, Toilets R Us and Faux Pas Painting.

No college pranksters, the callers were Hover and volunteer graduate students posing as subcontractors in a real-life simulation of the wild-and-woolly business of hammering together a construction bid on a juicy building project.

In the course, believed to be the only one of its kind in the country, six student teams were handed plans for an actual \$500,000 campus service building under construction at Cornell, without being told the real cost. They were instructed to work up a bid for the building using computers and input from more than 30 fictitious subcontractors for such services as concrete foundation work, masonry, electricity, plumbing and painting.

The catch was that Hover, an associate professor of structural engineering with extensive construction experience, drew on his experience to make the subcontractors painfully realistic.

"We gave the students bids that were too high or too low; we mixed work packages; we had intentionally vague statements of work," said Hover. "We made the students ask tough questions."

As in real life, the imaginary subcontractors came in with their bids as late as they could. Although negotiations went on all during the semester and the final bids were due at 8 a.m. sharp on May 3, the subcontractors didn't really start delivering bids until May 1.

"The first subcontractor calls were with ballpark prices, and by May 2 the students had enough input to assemble a basic cost estimate," Hover said. "Then, on May 2, we made another round of calls, in which we introduced new subcontractors, new prices and new combined bids." The final calls were made at 11:30 p.m. the night before the bids

were due, giving the students precious little time to piece together their estimates.

Hover was delighted at the hard-nosed bargaining skills developed by his students.

"I was pleased beyond my expectations with the student response," he said. "They really joined in and played their parts to the hilt. The students negotiated like veterans and talked us into including freight, putting more men on the job to speed construction, and even talked me down one-quarter percent on the premium for the bond!"

Hover also noted with satisfaction that the students' final bids neatly bracketed the actual \$500,000 cost of the building, ranging from \$450,000 to \$540,000.

For the seniors and graduate civil engineering students taking the course, it was a dramatic taste of what their professional lives would be like.

"I remember that we started out just accepting the bids, and then we started looking at some and saying 'this is fishy!'" said senior Eric Yermack. "Then we started calling the subcontractors back and haggling."

"When we get into this situation where you get so many things thrown at you, you know you won't panic," said senior Bruce Bartel, whose team squeaked their bid in a mere four seconds before the deadline.

The course was useful, even for students who might never become construction managers, Yermack said.

"Many of us will find ourselves writing plans in the future, and we'll know what to clarify; what will trip people up," he said.

The students uniformly praised the new course and its teacher in feedback reports they were asked to fill out, using terms such as "extremely realistic," "one of the most useful and enjoyable courses I've had in my four years" and "a great hands-on experience."

—Dennis Meredith

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 sub-heading of the calendar in which the item should appear.

DANCE

Cornell Folkdancers

The Cornell community and the general public and beginners are welcome to join in folkdancing. Admission is free, unless stated otherwise.

Instruction and request dancing, June 26, 7:30-9:30 p.m., North Room, Willard Straight Hall; July 3, 7-9:30 p.m., North Room, Willard Straight Hall.

Summer Session

The Second Hand Dance Company will present a free performance of innovative modern dance as part of the Summer Session Performing Arts Series, June 30, 8:15 p.m., Barnes 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. Call 255-6464 for further information.

"Elsie Dinsmore Popkin," a one-woman show of landscapes in pastel by Elsie Dinsmore Popkin, '58, will be on view through June 30.

"'63 Creates: Interior Visions," organized by Nancy McAfee, Class of 1963 and an instructor in the education department of the Cleveland Museum of Art, a selection of works in various media by Class of 1963 artists Thomas H. Beeby, Barbara Burger, Alan Chima-coff, N. Penney Dennings, Fred Faudie, Elizabeth Graham, Mary Margaret Hanse, Richard Allen Heinrich, Nancy Lockspeiser, Madeleine Meehan, Nan Rick and Pat Sutton, will be on display through June 30.

"Artist of Ithaca: Henry Walton and His Odyssey," an exhibition of 65 prints, watercolors, and oil paintings by Henry Walton, a 19th-century artist who spent the most productive years of his career in Ithaca, through June 26. In addition to accurate, minutely detailed lithographs and paintings of town views, Walton also painted portraits of men, women and children.

"New York State Artist Series VIII," the eighth exhibition in a continuing series focusing on contemporary artists working in New York State, through July 3.

Recent acquisitions in a variety of media will be on display through June 26 in celebration of the museum's 15th anniversary. In addition, two original three-dimensional models of the museum and drawings of the building by its architect, I.M. Pei, will be on view.

Olin Library

"Alexander Pope Tercentenary," early editions and portraits celebrating the 300th anniversary of the celebrated English poet will be on view through July 30, Monday-Friday, 8 a.m. to noon and 1 p.m. to 5 p.m.

FILMS

Unless otherwise noted, films are sponsored by Cornell Cinema. An (*) indicates that admission is charged.

Thursday, 6/23

"Some Like It Hot" (1959), directed by Billy Wilder, with Jack Lemmon, Tony Curtis and Marilyn Monroe, 8:30 p.m., Uris.*

Friday, 6/24

"Play It Again Sam" (1972), directed by Woody Allen, with Woody Allen and Diane Keaton, 7:30 p.m., Uris.*

"Gallipoli" (1981), directed by Peter Weir, with Mel Gibson and Mark Lee, 9:45 p.m., Uris.*

Saturday, 6/25

"Play It Again Sam," 9:45 p.m., Uris.*

"Gallipoli," 7:15 p.m., Uris.*

Sunday, 6/26

"Carefree" (1938), directed by Mark Sandrich, with Fred Astaire, Ginger Rogers, Ralph Bellamy and Jack Carson, 8:30 p.m., Uris.*

Monday, 6/27

"Viridiana" (1961), directed by Luis Bunuel, with Silvia Pinal and Francisco Rabal, 8:30 p.m., Uris.*

Tuesday, 6/28

"Woman of the Year" (1942), directed by George Stevens, with Katherine Hepburn and Spencer Tracy, 8:30 p.m., Uris.*

Wednesday, 6/29

"Mean Streets" (1973), directed by Martin Scorsese, with Robert DeNiro, Harvey Keitel, David Proval and Amy Robinson, 8:30 p.m., Uris.*

Thursday, 6/30

"Shakespeare Wallah" (1966), directed by James Ivory, with Felicity Kendal, Shashi Kapoor and Madhur Jaffrey, 8:30 p.m., Uris.*

Friday, 7/1

"Sullivan's Pavillion" (1987), directed by Fred Sullivan, with Polly Sullivan, Tate Sullivan and Katie Sullivan, 7:30 p.m., Uris.*

"In the Realm of the Senses" (1976), directed by Nagisa Oshima, with Tatsuya Fuji, Eiko Matsuda and Aio Nakajima, 9 p.m., Anabel Taylor Auditorium.*

"Brazil" (1985), directed by Terry Gilliam, with Jonathon Pryce, Michael Palin and Kathryn Helmond, 10 p.m., Uris.*

Saturday, 7/2

"Sullivan's Pavillion," 7:30 p.m., Uris.*

"In the Realm of the Senses," 9 p.m., Anabel Taylor Auditorium.*

"Brazil," 10 p.m., Uris.*

Sunday, 7/3

"Double Indemnity" (1944), directed by Billy Wilder, with Barbara Stanwyck, Fred MacMurray and Edward G. Robinson, 8:30 p.m., Uris.*

Monday, 7/4

"The Marriage of Maria Braun" (1978), directed by Rainer Fassbinder, with Nanna Schygulla and Klaus Lowitsch, 8:30 p.m., Uris.*

Tuesday, 7/5

"Rich and Strange & Young and Innocent" (1937), directed by Albert Hitchcock, with Henry Kendall, Joan Berry, Derrick De Marney and Nova Pilbeam, 8:30 p.m., Uris.*

Wednesday, 7/6

"Five Easy Pieces" (1970), directed by Bob Rafelson, with Jack Nicholson, Karen Black and Sally Struthers, 8:30 p.m., Uris.*

Thursday, 7/7

"Funny Dirty Little War" (1985), directed by Hector Olivera, 8:30 p.m., Uris.*

LECTURES

Cornell Summer Session

"Wobbling Aloft: The First Decade of the Airplane," Tom D. Crouch, National Museum of Natural History, Smithsonian Institute, June 29, 8:15 p.m., Bailey Hall.

"Where Has All The Glory Gone?: A Retrospective Look at Aviation," Walter J. Boyne, retired director, National Air and Space Museum, July 6, 8:15 p.m., Bailey Hall.

MUSIC

Bound for Glory

The Burr Oak Ensemble, Celtic and American tunes from Florida, June 26; Don Veaner, Ithaca's Irish harp player, July 3. Bound for Glory presents three live sets, 8:30, 9:30 and 10:30 p.m. Sundays at the Commons Coffeehouse, Anabel Taylor Hall. Admission is free. The show can be heard from 8 to 11 p.m. on WVBR-FM93.

Summer Session

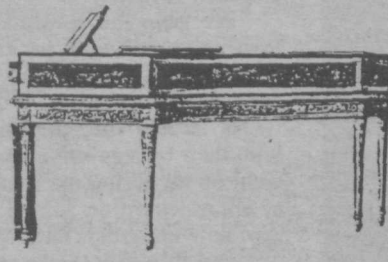
Joyce Lindorff, Mellon postdoctoral fellow in music, will give a free harpsichord concert June 27, 8:15 p.m., Barnes Hall. She will perform some of the earliest known harpsichord music, rarely-heard Italian dances and a recent piece by Hans Werner Henze.



Folksinger Jacqueline Steiner

Outdoor concerts will be given throughout the summer at 7 p.m. on the Arts Quad (Kaufmann Auditorium, Goldwin Smith Hall in case of rain). Peggy Haine and the Lowdown Alligator Jass Band will perform traditional jazz with a show biz flair on June 28; folksinger Jacqueline Steiner, writer of MTA, The Boston Subway Song, will give a concert on July 5; and Sundog will perform Afro-Caribbean and reggae music on July 7.

Malcolm Bilson, internationally recognized master of the fortepiano and professor of music and director of keyboard studies in the doctoral program in the 18th century historical performance practice at Cornell, will give a fortepiano concert July 4, 8:15 p.m., Barnes Hall.



RELIGION

Sage Chapel

Robert L. Johnson Jr., director of Cornell United Religious Work, will be the speaker for the July 3 interfaith service, beginning at 11 a.m., in Sage Chapel.

The Sage Chapel Summer Choir, directed by Donald R.M. Paterson, university organist, provides music for the Sage Chapel services. All students and interested persons are invited to participate. No auditions required. The first rehearsal will be held in Sage Chapel on June 30, 7 to 8:30 p.m. Regular rehearsals are held on Thursdays at 7 p.m., and Sundays at 9:30 p.m.

Catholic

Mass: Every Saturday, 5 p.m., every Sunday, 10 a.m., Anabel Taylor Auditorium.

Daily Masses will be announced on a weekly basis.

Christian Science

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

Episcopal (Anglican)

Every Sunday, 9:30 a.m., Anabel Taylor Chapel.

Friends (Quakers)

Worship will be at the Hector Meeting House, Perry City Road, at 10:30 a.m. Rides available in Anabel Taylor parking lot at 10 a.m.

Jewish

Conservative/Egalitarian Services: Friday 7:30 p.m., Saturday 10 a.m., Anabel Taylor Hall Founders Room.

Orthodox Shabbat Services: Saturday 9:15 a.m., Anabel Taylor Edwards Room Young Israel, 106 West Ave. Call 272-5810 for time.

Korean Church

Every Sunday, 3 p.m. Anabel Taylor Hall.

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 Tuesday, 7:30 p.m., Anabel Taylor Chapel.

Zen Buddhism

Zazen meditation: Tuesdays at 7 p.m., Edwards Room, Anabel Taylor Hall. Every Thursday 5:10 p.m., Anabel Taylor Chapel. For more information or to arrange beginner's instruction, call Ian Dobson at 277-4364.

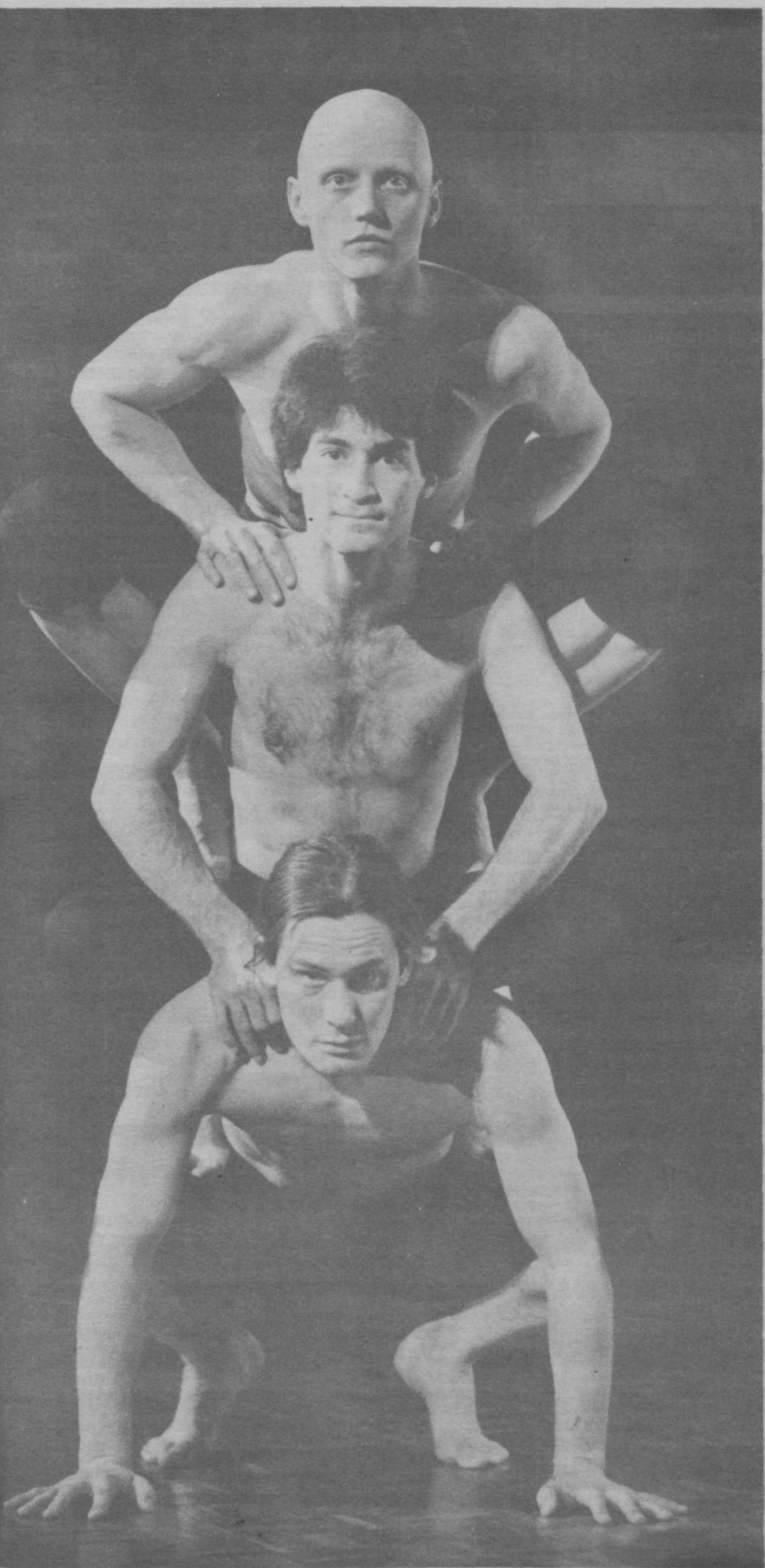
SEMINARS

Cornell Waste Watchers

"Implementing a Full-Scale Recycling Program at a Major University: Rutgers University's Successful Mandatory Program," Ray Ching, recycling coordinator, Rutgers University, New Brunswick, N.J. and president, Association of NJ Recyclers, co-sponsored by the Cornell Waste Management Institute, June 23, 2:30 to 4 p.m., Edwards Room, Anabel Taylor Hall.

Summer Session

Great Books seminars, "Mothers/Daughters/Fathers/Sons," led by Jonathan B. Monroe, comparative literature, will be held throughout the six-week summer session, Tuesdays at noon in 110 A.D. White House. Moliere's "The Learned Ladies," June 28; Turgenev's "Fathers and Sons," July 5 and 12; Woolf's "To the Lighthouse," July 19 and 26; Kafka's "Letter to His Father," together with Gordimer's "Letter from His Father," Aug. 2.



Second Hand Dance Company from Binghamton, which will give a free performance June 30 at 8:15 p.m. in Barnes Hall Auditorium as part of the Summer Session Performing Arts Series.

Summer Session takes off with 'flight' as its theme

year, Cornell Summer Session is to campus six weeks of art, entertainment and lectures related to the theme of "flight." Events are open to the public and free of charge.

An opening reception on the Arts Quad on June 27 from 4 to 6 p.m. will feature a local group called Ithacadisk, which will give a demonstration on a 9-hole frisbee golf and run a frisbee clinic.

Sadie Green Sales Ragtime Jugband will play an array of instruments, including washboard and tuned six-pack, as well as guitar, banjo, clarinet and saxophone.

Second Hand Dance Company, which performs in precarious balances, will perform June 30 at 8:15 p.m. in Barnes Hall Auditorium.

The company's three members — Andrew Gordon, Gregory O'Brien and Paul Gordon — are students at SUNY Binghamton. All have professional dance experience and Gordon studied with the Joffrey Ballet in New York City.

As well as creating and performing the choreography through improvisation, the group makes their sets, props and costumes. The group's name comes from the fact that the materials they use in their productions are meant to "make a state-

ment about the amount of waste in our society, a waste of materials and a waste of minds," according to Horowitz.

Second Hand Dance is the resident dance company at the Binghamton Art Theater, where they plan to perform new choreography every other month. They have performed at the Ithaca Festival and Performance Space 122 in New York City and will be appearing at The Anderson Center during the Summer Music Festival and again in January of 1989 as part of the "New Views, Other Voices" series.

On July 14, the Multigravitational Aerodance Group, a company that synthesizes dance, theater, acrobatics and sculpture, will perform its distinctive "spacial ballet" above the ground on the Arts Quad.

Summer Session Concert Series musicians will include world-renowned fortepianist Malcolm Bilson, harpsichordist Joyce Lindorff, the Malvern Trio, playing chamber music for flute, cello and piano and Canadian jazz musician Oliver Jones.

Outdoor concerts on the Quad will include Ithaca's own Peggy Haine and the Lowdown Alligator Jass Band, on June 28; an Afro-Caribbean and reggae band on July 7; Adirondack mountain music, July 12; bluegrass on July 19; and blues, traditional folk music and spirituals, Aug. 2.

"Choosing a Pet," W. Jay Gould, assistant professor of medicine, veterinary clinical sciences, June 30, noon, 213 Ives Hall.

"Computers as Wind Tunnels: Aerodynamics from the Sound Barrier to the Energy Crisis," David A. Caughey, mechanical and aerospace engineering, July 7, noon, 213 Ives Hall.

MISC

Cornell Waste Watchers

Cornell Waste Watchers, a group of staff, students and faculty working for an expanded university-sponsored recycling program and for solid-waste reduction on campus, meets bi-weekly on Thursdays at 4 p.m. in Room 314 of Anabel Taylor Hall. Meetings are scheduled for July 7 and July 21. For more information, call Paul Aeschleman at 255-7832.

Library Tours

Tours of Uris Library for summer session students will be conducted on June 27 at 3 p.m., June 28 at 4 p.m., June 29 at 4 p.m., June 30 at 3 p.m. and July 1 at 3 p.m. Staff members also give tours to summer visitors to Cornell. The tours, which present the history and architecture of Uris Library, are held every Monday, beginning June 27 at 4 p.m., excluding July 4. All tours begin in the main lobby of the library.

Recycling Forum

A forum concerning recycling and solid waste, June 23, 7:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall. Ellen Harrison of Cornell's Waste Management Institute will moderate the forum. Frank Proto, chair of the Solid Waste Committee, Barbara Eckstrom, solid waste manager and Harold Craft, associate vice president of facilities and business operations at Cornell will be the forum speakers. Ray Ching, recycling coordinator at Rutgers University, will share the successes of his program. Sponsored by Cornell Waste Watchers.

Summer Session

A welcome reception with refreshments and entertainment is set for June 27 (raindate June 28), 4 to 6 p.m. on the Arts Quad. The Sadie Green Sales Ragtime Jug Band, a duo formed by David Driskell, classically trained clarinetist, and Timothy Walker, an Englishman with a special love of New Orleans jazz, will perform rags,

songs and novelties from vaudeville and ragtime repertoires along with modern ballads and tunes. Ithacadisk, a local frisbee club, will give a demonstration and organize frisbee games and contests. Cornell Dairy ice cream and fruit punch will be given away, along with Cornell Summer balloons.

A garden tour of Miss Minn's Garden will be given by Robert G. Mower, professor of floriculture and ornamental horticulture, June 27 at noon. Miss Minn's Garden is situated on Tower Road, in front of the plant sciences building.

A series of tours of the university's architecture will be given by Maurice S. Luker III, a graduate student in the history of architecture program, on June 27, July 11, July 18, July 25 and Aug. 1. The tours depart at 6:30 p.m. from the statue of Ezra Cornell on the Arts Quad.

Tours of the Cornell National Supercomputer Facility, designated by the National Science Foundation as one of four National Advanced Scientific Computer Centers, will be given on June 29, July 6, July 13, July 20, July 27 and August 3, beginning at noon. Advance sign-up is required. Call Donna Smith at 255-9862 to reserve a place.



Fortepianist Malcolm Bilson, above, will give a free performance on July 4 at 8:15 p.m. in Barnes Hall auditorium. And for those whose taste runs to folksier music, the Sadie Green Sales Ragtime Jugband, below, will perform on an array of instruments on June 27 at 4 p.m. on the Arts Quad.



Job Opportunities

June 23, 1988
Number 23
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.

-DURING THE SUMMER, JOB OPPORTUNITIES WILL BE PRINTED SEPARATELY ON JUNE 30, JULY 14, 28, AUGUST 11 & 18. THE CORNELL CHRONICLE RESUMES ITS WEEKLY SCHEDULE AUGUST 25.

-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

FACILITY DIRECTOR (PA2301) Biotechnology-E

Resp. for operation of Computer & Flow Cytometry/Fluorescence Imaging Facility. Computer facility consists of 3 graphics work stations using UNIX operating system. Admin. resp. incl. budgeting operating costs, recommending user fees & capital purchases. Supv. a technician.

Req.: BS comp. sci., engr., phys. sci. or bio. sci. Advanced degree pref. 2-4 yrs. related mgmt. incl. exp. in mainframe networking (e.g. Ethernet), optics, & computer graphics pref. Letter & resume to Cynthia Smithbower by 7/1.

ASSOC. DIR./ALUMNI PROGRAMS (PA2305) Career Center-E

Resp. for Cornell Connection, the Alumni Career Advisory Network & other similar alumni programs which support career planning & placement for undergrads. Oversee computerized job listing svcs.; organize career fairs throughout U.S.; identify work w/alumni leaders & committees; advise students; develop budget & market program. Supv. 2 support staff & student assts.

Req.: MS; 3-5 yrs. exp. w/significant admin. responsibility, pref. w/alumni or students. Familiar w/computers (e.g. Wordperfect & Dbase). Supv. exp. pref. Strong comm. (oral/written), interper. & org. skills. Letter & resume to Cynthia Smithbower by 7/8.

SYSTEMS ANALYST II (PT2315) Finance & Business Services-S

Develop, maintain, install, document & modify admin. systems software. Under gen'l. directive, resp. for project leadership of programmer/analyst team. Primary liaison to users & tech. personnel. Maintain, write & analyze application & systems programs.

Req.: BA w/computer related courses of equiv. exp. Knowl. of IBM system 36, CU mainframes, personal computers, DOS, JCL, CMS, MVS, & ADABAS. 3-5 yrs. exp. w/machine arch. prgrmmg. lang., production procedures & system utility programs. Strong written/oral & interper. skills. Letter & resume to Judi Baker ASAP.

ASST. COACH, MEN'S CREW (PA2306) Athletics-E

Plan & execute Ivy League intercollegiate programs. Recruit on/off campus, supv. practices, org. team mtgs./races. Instruct Phys. Ed. classes.

Req.: BS in Phys. Ed. or related field. Must have proven success in coaching, recruiting & working well w/college age students. Must have classroom teaching exp. Letter & resume to Search Committee: Asst. Coach, Men's Crew by 7/1.

COUNSELOR (PA2307) Human Ecology Off. of Student Services-S

Provide basic student svcs. incl. academic, personal & career counseling. Resp. for ed. program development. Will work w/students in academic difficulty, non-traditional students & those undecided about major.

Req.: MS pref. in student personnel, higher ed. admin. or closely related field. Prof. exp. in student personnel services &/or counseling. Demonstrated skill in individual & group counseling, program development & evaluation research. Letter, resume & names/addresses of 3 references to Cynthia Smithbower by 7/15.

RESEARCH SUPPORT SPECIALIST (PT2312) Lab Animal Services-S

Coordinate numerous daily activities relating to procedures for maintaining lab animals, incl. housing, humane care, trng. & interact w/numerous faculty & staff.

Req.: H.S. dip. w/5-7 yrs. related animal exp., AAS in vet. tech. pref. Animal Tech. Cert. pref. (AALAS). Letter & resume to Judi Baker ASAP.

STAFF NURSE (PA2303) Health Services-E

Screen, assess & treat or refer patients, utilizing nursing school clinical skills. 9 month position.

Req.: Grad. from accredited School of Nursing. Possess or be eligible to receive NYS Nursing Lic. Must have Red Cross cert. in basic CPR w/in 6 months of employment. 1+ yr. exp. in clinic or ambulatory care, hospital care or emergency room. Letter & resume to Cynthia Smithbower.

ELECTRICAL DESIGNER (PT2313) Facilities Engineering-E

Design power distribution, lighting & fire alarm systems. Prepare cost estimates, drawings, specifications & construction documents for maint., repair & alteration projects relating to electrical systems.

Req.: AAS in electrical engr. or equiv. 2-4 yrs. exp. in designing bldg. electrical distribution systems, fire alarm systems & lighting. Letter & resume to Judi Baker ASAP.

COMPUTER SUPPORT SPECIALIST (PT3701) Operations Research & Industrial Engr.

Oversee operations of computing environ. incl. mgmt. & maint. of hardware & software. Prep. & maintain ed. software.

Req.: MS pref. in OR or IE. 3-5 yrs. related exp. Exp. in software develop. Design & mgmt. of innovative computer software systems & development of admin. & possible teaching software. Supv. exp., prep. of documentation for systems & software. Letter & resume to Judi Baker ASAP.

RESEARCH DATA ANALYST (PA2201) Undergraduate Admissions-E

Develop & implement Univ.'s admissions research agenda incl. developing research initiatives for admissions & related constituencies; act as liaison to other research operations on campus; conduct detailed yield analysis annually; supv. Asst. Dir./Systems on prep. of statistical reports & SAS PROFILES; advise on systems development & file format as it impacts research capability.

Req.: BA/BS, MS pref. w/adv. work in program eval., stat. analysis & research design. req. 3 yrs. related work exp. Familiar w/SAS prgrmmg. & PC/MAC & mainframe based systems essential. Exp. in testing/measurement &/or focus group research pref. Good comm. (written/oral) skills req. Letter & resume to Cynthia Smithbower by 6/30.

ASST. DIR., CLUB PROGRAMS (PA2202) Alumni Affairs-E

Provide staff support to Cornell Clubs; assist in planning overall policies & goals; develop leadership materials & conduct leadership workshops. Work w/volunteer board & committees in planning annual mtg.; write materials for newsletters.

Req.: BA/BS, CU pref. Computer skills desir.; strong prof. interest in academic admin., good org. & interper. skills to work w/volunteers, capable of public speaking & writing variety of trng. materials/articles. Letter & resume to Cynthia Smithbower by 7/1.

DIR. OF DEVELOPMENT, COLLEGE OF VETERINARY MEDICINE (PA2105) Veterinary Admin.-S

Manage daily College development activities incl. Veterinary Annual Fund. Initiate approaches to corporations, foundations & individuals. Will be liaison w/ various CU offices & college advisory committees.

Req.: BS/BA Exc. comm. (oral/written) & org. skills req. 3-5 yrs. fund raising exp. incl. working w/volunteers. Letter & resume to Cynthia Smithbower by 7/1.

DINING SUPERVISOR I (PA2102, PA2103) Dining Services-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 svc. supv. exp. Knowl. of food & health codes desir. Letter & resume to Cynthia Smithbower by 7/1.

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.

Req.: AAS or equiv. combination of ed. & exp. req. 1 yr. food svc. supv. exp. Knowl. of food & health codes desir. Letter & resume to Cynthia Smithbower by 7/1.

OFFICE ASST., GR17 (C2204) Floriculture & Orn. Hort.-S

Serve as Landscape Architecture Program receipt. & resource sec. Provide sec. support to faculty & staff; schedule mtgs., answer phones & maintain AV equip.

Req.: AAS in sec. sci. pref. PC exp. desir. Exec. org. & interper. skills nec. Able to deal effectively w/public & work in active environ. Med. typing. Min. Biweekly: \$420.76

SECRETARY, GR18 (C2301) Health Services-E

Provide sec. support for 8 f/t therapists & 3 p/t therapists in Psych. Svc. dept. 10 month position.

Req.: H.S. dip. or equiv. Sec. school desir. Able to use dictating equip., work under pressure & w/a variety of people. Familiar w/medical term. pref. but not nec. Able to maintain strict confidentiality. Heavy typing. Min. Biweekly: \$444.37

SR. RECORDS ASST., GR18 (C2305) JGSM Library-E

Resp. for tech. processing of serials in a medium-sized libr. (2,600 serial titles) & an extensive microform collection (over 500,000 items). Serial check-in; binding prep.; status changes & replacement/claim requests; oversee photocopy equip., act as regular backup for phone service.

Req.: Min. 2 yrs. college or equiv. exp. Able to org. detail work, team & indep. work essential; ability to work w/staff & libr. patrons. Lt. typing. Min. Biweekly: \$444.37

SECRETARY, GR18 (C2307) Textiles & Apparel-S

Provide sec. & IBM user support for 4-6 faculty & admin./sec. support for undergrad.

advising coord.

Req.: H.S. dip. or equiv. Busn./sec. school desir. IBM proficient (Wordperfect) highly desir. Able to prep./edit manuscripts w/varying formats. Med. typing. Min. Biweekly: \$443.13

SR. CIRC./RESERVE ASST., GR18 (C2304) Veterinary Library-S

Coord. circ. of libr. materials & perform various circ. duties (i.e., overdues & billings); maintain reserve collection & stacks; hire, train & supv. student asst.; staff Circ./Reserve/Info. desk; provide photocopy & current awareness svcs.; Mon.-Fri., 8 a.m.-5 p.m.; some eves. & wknds.

Req.: BA or equiv. pref. Min. 1 yr. exp. in libr. or offic. esp. in public or customer svcs. Strong svcs. orientation & ability to work effectively w/variety of people in public svcs. capacity essential. Accuracy in detailed work. Strong org. & interper. skills. Exp. w/microcomputers helpful. Lt. typing. Min. Biweekly: \$443.13

ADMINISTRATIVE AIDE, GR20 (C2308) Engineering Dean's Office-E

Provide admin. & clerical support to Dir. & Asst. Dir. of Admin. Ops. for College of Engr. Assist w/variety of financial, personnel & facilities activities.

Req.: AAS or equiv. 2 yrs. related exp. Knowl. of CU personnel, p/r & acctg. procedures pref. Exp. w/computers & WP. Good oral, written & interper. skills. Lt. typing. Min. Biweekly: \$496.80

FINANCIAL AID ASST., GR20 (C2214) Grad. School/Fellowship & Financial Aid-E

Process student loans; need analysis using GAPSFAS method; handle all financial aid corresp.; maintain student files; enter financial info. on computer via CRT; financial aid counseling.

Req.: AAS or equiv. Some counseling pref. Min. 1 yr. related equiv. exp. Able to maintain high level of confidentiality. Exc. interper., org. & comm. skills. Able to work independ. & under pressure. Med. typing. Min. Biweekly: \$496.80

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.

Req.: H.S. dip. or equiv. 1-2 yrs. related exp. Basic reading & computation skills. Good interper. & comm. skills req. Min. Biweekly: \$382.62

CASHIER, GR15 (G2303) Dining-E

Transact cash & credit sales; tabulate daily figures & prepare deposits.

Req.: H.S. dip. or equiv. 1-2 yrs. related exp. Basic reading & computation skills. Good interper. & comm. skills req. Min. Biweekly: \$382.62

DISH MACHINE OPERATOR, SO02 (G2301) Dining-E

Wash dishes, utensils, pots & pans. Stock assigned areas. Shift subject to change.

Req.: H.S. dip. or equiv. Able to learn proper use of dishwashing equip. & cleaning agents. Able to lift 35 lbs. Min. hourly: \$5.49

MAINTENANCE MECHANIC, SO08 (G2303) Residence Life-E

Resp. for general maint. of assigned residence areas incl. physical plant facilities & dept. equip. Mon.-Fri., 8 a.m.-4:30 p.m.

Req.: H.S. dip. or equiv. 3-5 yrs. exp. in maint. mech. or bldg. & maint. field req.; 2 yrs. exp. in trade & general knowl. of others. Able to use tools & equip. for bldg. maint. & repairs. Able to work in student oriented env. Good comm., interper. & org. skills. Able to make immediate on-site decisions. NYS class 3 driver's lic. pref. Must be in good physical condition & able to perform heavy lifting. Min. hourly: \$7.42

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.

Req.: H.S. dip. or equiv. Apply ASAP. Min. Biweekly: \$400.67

TECHNICAL ASST., GR16 (T2306) Neurobiology & Behavior-S

Routine lab duties: prep. samples for chem. analysis, wash glassware, make media, run errands. Routine maint. & care of lab colonies of insects incl. moths, butterflies, bugs, cockroaches, ants & other animals such as birds, frogs, etc. Greenhouse duties incl. starting & transplanting plants, watering, etc.

Req.: H.S. dip. or equiv. Apply ASAP. Min. Biweekly: \$400.67

TECHNICIAN, GR18 (T2314) Equine Drug Testing-S

Perform routine analysis of horse blood & urine in field lab at Vernon Downs, Vernon, NY. Assist lab director as req. Sat., Sun. & holidays incl. 1:30 p.m.-10 p.m.

Req.: AAS or equiv. lab exp. w/exp. in thin layer chromatography & gen'l. lab procedures. Apply ASAP. Min. Biweekly: \$443.13

TECHNICIAN, GR18 (T1908) Genetics & Development-S

Provide gen'l. lab assistance, maintain & sterilize glassware. Prep. media, care for plants & bacteria as well as tissue cultures.

Req.: BS or equiv. in scientific field. 6 months-1 yr. lab exp. pref. Touch typing for computer data entry pref., but not req. Apply ASAP. Min. Biweekly: \$443.13

LAB TECHNICIAN, GR18 (T1801) MSE-E

Maintain & supv. a materials sci. engr. specimen prep. & research lab. Provide equip. care & instruction in equip. use & lab procedures to research support staff.

Req.: AAS pref. At least 1 yr. related exp. Must have strong mech. & problem-solving aptitude & desire to learn & perfect new lab skills. NYS driver's lic. req. Machining exp. req. Computer skills desir., but will train. Min. Biweekly: \$444.37

TECHNICIAN, GR18 (T2307) Equine Drug Testing-S

Perform blood & urine sample analysis in field drug testing labs at Yonkers & Roosevelt Raceways. Assist lab director as needed. 1:30-10 p.m. Sat., Sun. & holidays during 7 & 8 day racing season.

Req.: AAS in chem. or related field. Familiar w/lab procedures, thin layer chromatography pref. Apply ASAP. Min. Biweekly: \$443.13

PHOTO ASST., GR22 (T2301) Photographic Services-E

Produce quality microfilm from books, newspapers, magazines & other material. Oversee microfilm production tech.

Req.: H.S. dip. or equiv. AAS pref. plus coursework in photo. processes, business practices, records mgmt. Min. 3 yrs. exp. in micrographs or photo lab. Apply ASAP. Min. Biweekly: \$556.14

TECHNICIAN, GR22 (T1401) Veterinary Pathology-S

Independently design & assist in purification & characterization of organ-specific, matrix associated tumor cell adhesion molecules, resp. for organ pref. of tumor metastasis. For duration of grant.

Req.: BS req.; MS pref. 1-3 yrs. exp. in lab; affinity & column chromatography, ELISA, gel electrophoresis, protein purification, Western blotting; bkgrnd. in hybridoma-monoclonal antibody techniques, HPLC chromatography protein idolation & tissue culture desir. Min. Biweekly: \$554.63

RESEARCH ASST. (T2316) Boyce Thompson Institute

Assist in bioassays & experiments on insecticidal microbial metabolites using insects & plants. Assist in maintaining insect colonies. Analyze data & prep. written & oral reports.

Req.: BS in bio. or relevant field. Previous trng. & exp. in entomology, bioassay concepts, stats., database mgmt. & WP helpful. Contact Dr. Donald W. Roberts, 257-2030. Min. Annual Salary: \$12,275

RESEARCH ASST. (T2317) Boyce Thompson Institute

Assist in project assessing effects of air pollutants on growth & physiology of trees. F/t, some wknd. & eve. hrs. possible.

Req.: BA/BS Exp. w/stats. & PC-based data mgmt. systems pref. Send letter, resume & names of 3 references to Dr. J.A. Laurence, Boyce Thompson Institute, Tower Road, Ithaca, NY 14853-1801.

RESEARCH ASST. (T2317) Boyce Thompson Institute

Assist in project assessing effects of air pollutants on growth & physiology of trees. F/t, some wknd. & eve. hrs. possible.

Req.: BA/BS Exp. w/stats. & PC-based data mgmt. systems pref. Send letter, resume & names of 3 references to Dr. J.A. Laurence, Boyce Thompson Institute, Tower Road, Ithaca, NY 14853-1801.

Part-Time

TECHNICAL SUPPORT PERSON (T2309) Computer Services

Report or handle minor hardware problems create hard disk back-ups; prepare for & assist instructors w/workshop problems; maintain equip. Mon.-Thurs., 8 a.m.-12 noon. Fri., 9 a.m.-12 noon. Hrs. subject to change.

Req.: H.S. dip. or equiv., AAS in computer sci. pref. Exc. interper. skills & problem solving ability. Familiar w/IBM microcomputers (Personal System IIs), Apple MacIntosh, an Apple Talk network & CU mainframe systems. Exp. w/electrohome projector pref. Apply ASAP.

OFFICE ASST., GR18 (C2309) Senior Vice President-E

Provide, under sup. of Exec. Staff Asst., a variety of highly confidential secretarial/clerical offic. functions in an extremely fast-paced office that serves all of Cornell's varied publics. Mon.-Fri., 9:30 a.m.-3:30 p.m.

Req.: H.S. dip. req. Knowl. of univ. highly desir. Knowl. of (or desire to learn) Mac compu-

ter pref. Able to exercise independ. judgment essential. 1-2 yrs. sec./clerical exp. pref. Lt. typing. Min. full-time equiv.: \$444.37

Temporary

Experienced & skilled individuals specifically interested in temporary work should mail application to 160 Day Hall.

PAYROLL COORD. (C2310) Administrative Services

Resp. for p/r & personnel functions for Admin. Svcs., Facilities Engr., Grounds & Utilities non-exempt personnel (120+ employees), incl.: processing personnel action forms, prep. p/r vouchers, workers compensation & disability forms, calculating sick/vacation balances, maintaining employee files, reconciling p/r & job cost labor hrs. F/t, 6 months. Letter & resume to Laurie Worsell.

ANIMAL ATTEND. (T2310) Vet Microbiology-S

Provide care of horses on wknds. & holidays. Feed, water, clean & disinfect facility & maintain records. Wknds. & holidays, 10-15 hrs.

Req.: H.S. dip. or equiv. Exp. w/horses or other large animals nec. Apply ASAP.

RECORDS ASST. (C2106) Mann Lib.-E

Input data into NOTIS database. File catalog cards, shelf books, update serials holdings. 19 hrs./wk. until 12/28/88.

Req.: H.S. dip. or equiv. Able to accurately perform highly detailed & repetitive tasks. Med. typing. Letter & resume to Laurie Worsell.

DATA ENTRY OPERATOR (C1913) Computer Services-E

Key enter or key verify data via CADE keystations. F-t, 6 months only.

Req.: H.S. dip. or equiv. Data entry &/or keypunch exp., pref. CADE system exp. Med. typing.

Academic

LECTURER (A2301) Human Development & Family Studies

Send materials to Dr. George Suci, Chairperson, Human Development & Family Studies, NG14 MVR Hall, Cornell University, Ithaca, NY 14853 by 7/15.

EXTENSION ASSOC.-FIELD CROPS SPEC. (A2302) Coop. Extension-Cortland County

Send letter of intent & resume by 7/7 to Sally A. Clark, Cornell Cooperative Extension, 212 Roberts Hall, Cornell University, Ithaca, NY 14853.

EXTENSION ASSOC.-III-REG'L. EXTENSION VEGETABLE SPEC. (A2303) Coop. Extension-Albany County

Send letter of intent & resume by 7/7 to Sally A. Clark, Cornell Cooperative Extension, 212 Roberts Hall, Cornell University, Ithaca, NY 14853.

EXTENSION ASSOC.-RECRUITMENT (A2304) Coop. Extension-Staff Development & Recruitment Off.

Send letter of intent & resume by 7/7 to Sally A. Clark, Cornell Cooperative Extension, 212 Roberts Hall, Cornell University, Ithaca, NY 14853.

TEACHING ASSOC. (6-7) (A2305) Mathematics

Contact Professor Thomas Rishel, Mathematics, B-33 White Hall, Cornell University, Ithaca, NY 14853 by 7/8.

RESEARCH ASSOC. (A2306) Microbiology, Immunology & Parasitology

Send CV & names & addresses of 3 references before 7/22 to Dr. Robin G. Bell, James A. Baker Institute for Animal Health, NYS College of Veterinary Medicine, Cornell University, Ithaca, NY 14853-6401.

Payment of resident advisers to remain unchanged for '88-'89

A contested plan to change the way

Cornell still opposes historic designation for the Heights

Cornell will reassert its opposition to historic-district designation for Cornell Heights at a hearing in Albany tomorrow, but university officials say they still hope to work closely with city officials and neighbors to resolve long-term planning issues.

"Notwithstanding our disagreement on the designation issue, we feel strongly that we should continue our efforts to resolve other planning concerns," said John F. Burness, vice president for university relations.

Burness noted that the university has hired Sasaki Associates of Watertown, Mass., one of the nation's leading land-use-planning firms, to study the matter and that Ithaca Mayor John C. Guttenberger has shown readiness to promote discussions between the firm and local interests.

"In recent months, we had a series of productive meetings with the leaders of the Cornell Heights Neighborhood Association," Burness said. "We have a better un-

derstanding of their concerns and an appreciation that inadequate communication in the past has led to a sense of apprehension about the university's plans by some of the residents of Cornell Heights.

"We'd prefer a moratorium on disputed actions, such as the city's request for historic designation, while we try to work out how best to proceed with planning for the future of Cornell Heights," he continued. "But if the city and the neighbors feel the historic-district application should proceed, the board of trustees feels that Cornell should oppose that designation, even while we continue to work on long-term accommodation of university and community interests in the area."

At the hearing before the State Board of Historic Preservation, the City of Ithaca will seek to enroll Cornell Heights' 166 buildings on the state's Register of Historic Places, an action that likely would be followed by local legislation restricting own-

ers' freedom to alter their properties.

Cornell, which, with affiliates such as fraternities and sororities, owns about one-third of the properties, will assert that the neighborhood is pleasant but unhistoric.

The university also will say that Cornell and the city have an interest in protecting the environmental quality of the community, which lies east of Stewart Avenue and north of Fall Creek gorge, on the rim of the campus. But it will suggest that change has already well begun — with rentals, multiple residences, fraternities and apartment buildings as well as small pockets of single-family houses — and that all parties should manage change realistically rather than mummify the community. It will urge cooperation with the Sasaki planning team.

Since the City of Ithaca proposed the historic designation a year ago, a hearing on the request has been postponed three times, once at Cornell's request, once at the city's and once at the request of both parties.

In December, on advice from Clarke and Rapuano, a nationally prominent firm of architectural historians and landscape architects, Cornell announced it would oppose the historic designation, which the firm said would be appropriate only for a few, scattered properties. The firm will represent Cornell at the Albany hearing.

Burness said whatever development occurs in Cornell Heights should be in keeping with the general character of the community. He said the university's board of trustees, through its Buildings and Properties Committee, is interested in assuring the university's long-term flexibility while also preserving that character.

Cornell will continue to try to accommodate community and university interests through a mutually-agreed-on, long-range plan, despite the disagreement on the immediate question of historic designation, Burness concluded.

— Sam Segal

July 1 fireworks display will celebrate Ithaca's centennial

The 41st community fireworks show on July 1 will feature the Syracuse Symphony Orchestra playing a traditional Independence Day pops concert followed by a fireworks display, both in celebration of the City of Ithaca's centennial.

Preceding the show, a run around Cayuga Lake with an Olympic torch, which will be carried into Schoellkopf Stadium by children of the late Jack K. Kiely, will kick-off the weekend's Kiely Centennial Games in Celebration of the Lake.

The games will continue on and around the head of Cayuga Lake through July 4

and end with the annual lighting of flares. The weekend is named in memory of the former Ithaca mayor who was a long-time member of the community fireworks committee and who died last year.

Gates to Schoellkopf Stadium, site of the fireworks and concert, will open at 6:30 p.m. to the sounds of a steam calliope.

The Syracuse Symphony's concert will begin at 7:30 p.m., and the fireworks display, staged by the American Fireworks Co. of Utica, will start at about 9:30 p.m.

Admission is free, but donations may be made at the stadium. Contributions are the

only source of financial support for the event.

If the show is a go, an aerial salute will be fired every hour on the hour, starting at 2 p.m. In the event of severe weather problems, area radio stations will make special announcements. The rain date is July 2.

Because at least 20,000 spectators are expected, special traffic and parking plans will be in effect. Cornell's parking garage and the parking lots at Grumman and Phillips halls and Hoy Field will be closed for the fireworks show because of state regulations. All other parking lots at Cornell will

be open and free.

Campus Road from route 366 to Barton Hall will be closed. And route 366 will be closed from Judd Falls Road to the five corners intersection at Maple and Oak avenues, Dryden and Ithaca roads, and Cornell Street.

Extra city buses will transport passengers from downtown Ithaca to the football stadium, site of the fireworks show.

A limited number of parking permits for the mobility impaired are available by contacting Marshall Downing at 272-3590 or Irene Kiely at 273-4778.

Barton Blotter: Red Barn sign taken

Eleven thefts with losses determined at \$2,714 in cash and valuables were reported on campus, according to the morning reports of the Department of Public Safety for June 6 through 16.

The thefts included a Big Red Barn sign worth \$800, a \$300 cart and \$342 in wall paint taken from The Foundry, and \$505 worth of hardware and construction materials taken from Statler Hall Penthouses.

One person was referred to the J.A. on charges of forging a parking permit.

Graduate Bulletin

August degree deadline: All requirements for a degree from the Graduate School, including submitting the thesis/dissertation, must be met by Aug. 19. Instruction packets with forms as well as instruction booklets for writing the thesis/dissertation are available at the front desk of the Graduate School, Sage Graduate Center.

Kappa Alpha fraternity censured for allowing minors to drink beer

The university has placed Kappa Alpha fraternity on censure for admitting three "obviously underage" people to a party in April and letting them have beer, according to Acting Dean of Students Howard Kramer. He took the action on the unanimous recommendation of the Greek Hearing Board, a panel of students, faculty and alumni who looked into the incident.

Under the conditions of censure, the chapter will be limited next year to three

social events where alcohol can be served and will have to review and improve its method of monitoring how non-members — especially underage ones — are admitted to fraternity functions, Kramer said.

He added that, before the chapter can be returned to good standing, it also must enroll its officers in leadership-training programs and perform two community-service projects for GAMMA (Greeks Advocating Mature Management of Alcohol).

Theory Center *continued from page 1*

that Cornell could assure the NSF of the state's continued commitment to "provide operating support for the Theory Center for Fiscal Year '88 and Fiscal Year '89 at a level of \$800,000 per year and of the state's intent to continue operating funding during the period covered by our renewal proposal."

He said the NSF team appeared to welcome the assurance.

"We haven't yet scoped out every detail with the state, and we recognize that, to maintain state support, we may face possible delay in the receipt of state dollars," Burness said, "but with the governor's strong commitment to high technology and the supercomputer, we're confident that we're over the most difficult hurdle."

The existing Theory Center, in the Engineering Quadrangle, is host to some 400 projects involving more than 1,600 researchers from around the country — including about 200 projects, involving about 1,000 scientists, from New York State industry and academic institutions.

The state's commitment already has included \$800,000 a year for five years and \$10 million in support for a planned new building.

"The governor has always been a leading supporter of high technology and has kept well informed of the benefits we have helped produce for the state and nation," Burness said, adding: "Despite the state's difficult financial situation, he has again acted to make sure New York remains a major player in high technology."

Theory Center funding was just one of a series of problems tied to the state budget for the 1989 fiscal year.

The principal source of state funds, the operations budget, allotted Cornell's four state-supported units just over \$102 million

— a sub-inflation increase of \$2.7 million from last year's budget and about \$6 million below the university's request.

Missing from the \$102 million, which covers about half the actual cost of running the four units, was more than \$2 million to meet inflation's utility-cost increases and to support existing salary lines. This shortfall alone meant Cornell would have to hold vacant the equivalent of 45 positions for the full year, Provost Robert Barker reported.

But even as these stringencies were being considered, Cuomo announced that preliminary revenue data indicated a tax shortfall of \$900 million, or more than three percent of the \$28.4 billion of planned state expenditures. He therefore ordered some spending cuts and asked the legislature to act on other possible cuts.

The major blow for Cornell — aside from the threat to the Theory Center — was its share of a mandated \$15.7 million cut in expenses by the 34 units of the State University of New York (SUNY), which include Cornell's College of Agriculture and Life Sciences, College of Human Ecology, College of Veterinary Medicine and School of Industrial and Labor Relations.

Cornell's negotiated share comes to \$1.175 million and must be cut from "the appropriations base," or the \$102 million operations budget, according to Malden C. Nesheim, vice president for budgeting and planning.

But that base includes about \$20 million that is untouchable — almost \$10 million for accessory instruction (reimbursing Cornell's private colleges for their instruction of students from the state-supported units) and more than \$10 million for utility costs.

Moreover, the cut must come within the remaining nine months of the fiscal "year";



John F. Burness

Claude Levit

so the reality, Nesheim said, is a mandated additional cut of about three percent.

The "potential magnitude of the problem," Barker said in a recent letter to faculty and staff of the statutory units, forces Cornell to at least consider the possibility of some layoffs at state-supported units, though he stressed that talks with Nesheim and the deans would seek strenuously to avoid that.

Another cut ordered after Cuomo's projection of the \$900 million shortfall was

\$340,000 out of about \$1.5 million the legislature awarded Cornell in contracts under the budget of the state's Department of Agriculture and Markets.

And, in an unusually tumultuous year for budget negotiations, some major questions have still to be acted on by the legislature. Among those of interest to Cornell are:

- Increasing from \$3 billion to at least \$4 billion the ceiling on bonded indebtedness for SUNY capital construction. Only if this is approved can Cornell proceed on schedule to plan renovation and expansion for the Veterinary College and for the Mann and Catherwood libraries.

- Acting on new eligibility and limits for the Tuition Assistance Program and considering Cuomo's Liberty Scholarship proposal, which would guarantee college costs for worthy students with financial need.

In the time since Cuomo's projection of a shortfall, both the Democratic Assembly Speaker, Mel Miller, and the Republican Senate Majority Leader, Warren Anderson, offered their own deficit-reduction plans — Miller's for \$807 million and Anderson's for \$844 million.

Each made his own assumptions (Anderson predicts no shortfall at all), each foresaw no layoffs (Cuomo's plan envisions 600), and each suggested acquiring funds from different state surpluses.

"However these plans end up," Burness said, "the most difficult consequences of this year's state budget are already determined."

"We're not happy, but we understand that all of SUNY and, indeed, most state operations had to yield something. We fully accept our responsibility to work with the governor and the state legislature during difficult financial times."

— Sam Segal

Boyce Thompson creates research oversight committee

Boyce Thompson Institute's trustees established a research oversight committee during their annual meeting in May.

Lawrence Bogorad, the Maria Moors Cabot Professor of Biology at Harvard University, will serve as chairman of the committee, BTI President Ralph W.F. Hardy announced. Bogorad also was elected a member of the institute's board of trustees. A world authority on molecular biology, Bogorad is the past president of the American Association for the Advancement of Science and a member of the National Academy of Sciences.

Other committee members include:

- Arthur Kelman, the Wisconsin Alumni

Research Foundation Senior Distinguished Research Professor of Plant Pathology at the University of Wisconsin at Madison.

- Harold A. Mooney, the Paul F. Achilles Professor of Environmental Biology at Stanford University.

- Wendell L. Roelofs, the Liberty Hyde Bailey Professor of Insect Biochemistry at Cornell's Agricultural Experiment Station at Geneva.

- John G. Torrey, the Bullard Professor of Forestry at Harvard.

All are members of the National Academy of Sciences.

In addition, Norman R. Scott, director of research for the College of Agriculture and

Life Sciences, director of the Cornell Agricultural Experiment Station at Ithaca and a member of the institute's board of trustees, was elected a member of the committee.

The group will assess the strength and quality of the institute's research programs and guide its future research course.

Hardy cited molecular biology as one area of research that will receive a major emphasis at the institute. He said that several scientists will be appointed to carry out the program in plant molecular biology.

Other areas of research that will receive increased attention in the years ahead include the effects of environmental pollutants on agricultural crops and forests, bio-

logical control of plant pests and disease, plant growth, and development focusing on plant-root processes and non-food use of plants, Hardy said.

"Our biological control program is aimed at gaining a better understanding of mechanisms of viral and fungal pathogenesis to control insect pests and plant disease," he said. "In addition, we are planning to establish a program dealing with the interactions between microorganisms and plant roots and shoots. Plant-root processes are an understudied part of plant life, yet the root is the key to the totality of plant growth and development."

—Yong H. Kim

Technicians contain antifreeze spill from Clark Hall chilled-water system

Cornell hazardous materials technicians contained a spill of ethylene glycol antifreeze that leaked from the Clark Hall chilled-water system into Fall Creek on June 20.

Approximately 300 gallons of a 50-50 water-antifreeze mixture leaked from the laboratory's chilled-water system, which provides air conditioning and equipment cooling, beginning at about 1:45 p.m. June 20.

About 200 gallons of the antifreeze, which degrades rapidly in water, were contained in the sub-basement level of the building. But an estimated 100 gallons flowed through storm drains into

nearby Fall Creek.

Life Safety technicians installed floating booms in Fall Creek below the Triphammer bridge at 2:15 p.m. to contain and absorb the antifreeze. The cleanup effort to keep the antifreeze from reaching Cayuga Lake was completed Monday afternoon, and cleanup of Clark Hall resumed Tuesday morning.

County and state environmental officials have been notified of the spill.

The spill is not expected to harm public water supplies or wildlife in Fall Creek or Cayuga Lake.

—Roger Segelken

Animal welfare issues to be discussed during poultry farmers' conference

More than 150 members of the poultry industry from throughout the Northeast and Canada will gather to discuss animal welfare and other issues affecting the industry at the Cornell University Poultry Conference at the Ithaca Holiday Inn, June 29-30.

High on the agenda are the implications of a referendum to be held in Massachusetts in November, which could result in a ban on cage systems currently used for egg production, according to the conference chairman, Robert C. Baker, a professor of food science at Cornell.

The issue will be debated in a panel dis-

cussion starting at 3:40 p.m. on June 29. Among the panelists will be David L. Call, dean of the College of Agriculture and Life Sciences.

Other topics to be discussed include: bronchitis, a viral poultry respiratory disease affecting egg quality; a new test that more accurately measures cholesterol levels in eggs; new egg pricing systems to reflect supply and demand; washing eggs properly to prevent salmonella bacteria contamination; efforts by the State Department of Agriculture and Markets to promote the poultry industry in New York.

Improved varieties of grain, forage crops to be highlight of seed growers' field day

New wheat, oats, barley and alfalfa varieties being perfected for commercial production in the 1990s will be shown to members of the seed industry in the Northeast during this year's Cornell Seed Growers' Field Day on July 7.

The outdoor event is expected to attract about 100 seed growers, processors and dealers from New York and neighboring states, said William D. Pardee, a professor of plant breeding in the College of Agriculture and Life Sciences who is coordinating the day.

Among grain to be shown at the university's research plots is a new oat variety with white hulls, the type that horse owners prefer, and another new Cornell-de-

veloped oat variety that can outproduce existing varieties grown in the Northeast.

Also to be shown are scores of alfalfa, clover, timothy and brome grass varieties undergoing field trials at Cornell for side-by-side comparisons.

Research efforts to develop wheat varieties with built-in resistance to sprouting before harvest — a problem facing many wheat growers in the Northeast — and new alfalfa varieties with higher proportions of digestible protein will be discussed.

The field day is sponsored jointly by the Department of Plant Breeding and Biometry, Cornell Cooperative Extension and the New York Seed Improvement Cooperative.

—Yong H. Kim

Biological alternatives to insecticides will be topic for BTI conference in July

The possibilities for controlling insect pests with the aid of genetically engineered viruses, bacteria, fungi and even plants will be discussed at a conference, "Biotechnology, Biological Pesticides and Novel Plant-Pest Resistance for Insect Pest Management," to be held July 18-20 at Boyce Thompson Institute for Plant Research.

Between 200 and 300 researchers and research administrators from universities, industry and government are expected.

The conference will show how biotechnology can be used to design novel biological controls that are competitive with traditional chemical insecticides, according to the conference organizers, Professors Donald W. Roberts and Robert R. Granados.

They added that these alternative controls are needed to deal with the threats to world health, agriculture and the environment from continued reliance on traditional chemical insecticides and the resistance of insects to them. Crop-protection programs have faltered and malaria-eradication programs have failed because of increasing resistance to chemical insecticides.

Sessions will cover the basic science of biotechnology and biological controls, government regulation and industrial implications of changing patterns in use of insecti-

cides, which now have an annual, worldwide market of \$2 billion.

Speakers and their subjects include Christopher C. Payne, Institute of Horticultural Research, East Malling, United Kingdom, "The Role of Biological Control"; Alex McPherson, University of California-Riverside, "Protein Engineering: Applications in Agriculture"; Virginia Walker, Department of Biology, Queen's University, Kingston, Ont., "Transfer and Expression of Foreign Genes in Insects"; Richard C. Staples and Donald W. Roberts, BTI, "Genetic Engineering of Fungi"; Jorge E. Ibarra, Centro de Investigaciones y de Estudios, Avanzados del IPN Unidad, Irapuato, Mexico, "Biotechnology in Developing Nations"; Mark Vaecck, Plant Genetic Systems, N.V. Gent, Belgium, "Pesticidal Attributes of Transgenic Plants."

Core support for the conference has come from the Rockefeller Foundation, with additional support from the Cornell Biotechnology Program and several agribusiness companies.

The registration fee will be waived for members of the Cornell community. Registration is requested, however, so attendance can be estimated and name tags prepared in advance.

Area hotel employees join summer class

The School of Hotel Administration has offered seven scholarships to Ithaca hotel employees to attend a one-week summer class in its Center for Professional Development.

This summer about 530 hotel executives and managers from this and 60 other nations will attend the Hotel School's 60th annual summer seminars designed to teach specific executive skills. The seminars started June 13 and continue until July 29.

The point of the scholarships is to "develop a closer relationship between the

school and the local hospitality industry," said Maureen McKenna, director of the school's external programs.

The scholarships will pay \$375 of the \$650 fee for a one-week training course. Working with McKenna in selecting scholarship winners is Tony Spinelli, director of the Convention and Visitors Bureau in the Tompkins County Chamber of Commerce.

More than 50 seminars are offered during the seven-week professional development program including short courses in many aspects of hotel and motel operations.

Taxes continued from page 1

poverty and discourage them from finishing the studies critical to America's development of future scientists and teachers.

Traditionally, all such graduate-student "aid" was excluded from tax, Linney said. And, because students never see this tuition remission — also referred to a "grant" or a "fellowship" — requiring a student to pay income tax on that amount seems unfair to many educators.

"Taxing stipends was the new law's intent, and we accept that," Casarett said. "But the ambiguity about tuition remission was not intended. We want Congress to clarify the tax code to say that the way universities have traditionally done business is OK — that tuition remissions are still to be excluded from tax."

Copies of the Cornell signatures — from students, faculty and staff — are being mailed to members of Congress from New York and to members of the House Ways and Means Committee and the Senate Finance Committee. The petition follows a letter that Casarett sent in May urging these

officials to amend the Internal Revenue Code to make clear that tuition remission is not taxable, no matter what its source.

In some cases, the problem is further complicated by semantics. When a graduate student's tuition costs are covered through a federal research grant, the amount will not be taxable if the university calls it a scholarship; but, using the word "scholarship" also may reduce the federal payment so it doesn't cover full tuition costs.

The clarification sought by Cornell and others actually cleared the House of Representatives last year, but did not survive the budget summit called to pare the deficit, Linney said. At the time, the Joint Tax Committee estimated that the clarification could cost the government up to \$90 million in revenue because a small minority of universities — including 10 states' public universities — are viewing tuition remissions as taxable, he added.

"But it's rare to find two universities handling the situation the same way," Linney pointed out. Some universities are

withholding tax and thus reducing the cash income of teaching and research assistants; others withhold, but adjust the gross grant so take-home income is unchanged. Cornell, asserting that no tax is required, does not withhold.

Cornell has 4,214 graduate students (excluding professional schools) in 88 major and nine minor fields of study. Of those, 759 have unidentified sources of support; 1,057 have Cornell or third-party fellowships, which cover tuition but require no teaching or research; and 2,398 get tuition but have an obligation of 15 to 20 hours a week of teaching or research assistance.

Those with fellowships only are clearly not required to pay income tax on the value of their tuition. But the obligation of those in the last category — teaching assistants or research assistants — was left unclear under code revisions intended to make taxation more equitable. Elaborating on her concerns Casarett said:

- The basic Cornell assistantship pays \$6,800 for the nine-month school year and,

often, another \$2,000 for summer work. At 1988 rates, the federal tax for a single student would be about \$578 and the New York State tax about \$77.

- Most students on assistantships also receive tuition fellowships, which cover the \$13,100 annual tuition in the private colleges of Cornell.

- On the combined amount of \$21,900, federal tax would be about \$2,543 and state tax \$940, Casarett said.

Her letter to legislators concluded: "From a yearly (cash) stipend of \$8,800, only \$5,317 would be available to the student. This is \$384 below the poverty level of \$5,701 (individual under 65 years in 1986). A student must pay all non-tuition expenses from this amount, including room and board, books and supplies, travel, health insurance and personal expenses."

About 1,000 of the 1,533 TAs and RAs in Cornell's privately supported colleges would fit the profile of those near the poverty line, the Graduate School reports.

—Sam Segal

Cornell Summer Preview

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

About the Summer Theme

by Charles W. Jermy, Jr., Acting Dean

The campus-wide theme of the 1988 Cornell University Summer Session is "Flight." Each summer, we choose a theme that can be explored from diverse viewpoints in lectures, seminars, and exhibits, providing a vantage point from which to consider current developments and their implications for the future. The history of human flight, which is marked by great successes and terrible failures, epitomizes the uneasy mastery which the human race exercises over nature as our society attempts to fly faster and farther and to push our borders outward.

The advent of human aviation in this century changed our world forever, from the way we fight our wars to the way we conduct our business. But the generation that perceives the flight of airplanes and spaceships to be as natural as the flight of birds has learned that we cannot take unlimited exploration for granted. The

American Dream suggests that each generation will do better than its parents, but is it for the present generation of young adults to learn that boundaries cannot be pushed ever outward, or, at least, not at a price we are willing to pay?

This summer, faculty members and distinguished visitors will interpret the theme of "Flight" in its literal and metaphorical forms. Artists and performers will share their work and their vision. You are invited to participate in the exploration and to incorporate our theme into your thinking about our past and our future.

To the extent that flight is a symbol of strenuous, courageous exploration, it is a good symbol of the Cornell community. Ithaca's physical beauty is the natural habitat of dreamers; and the dreams that are dreamed here, at the meeting of land, lake, and sky, are a part of the ancient desire to rise above the earth in thought—and in flight.



Students juggling on the Cornell campus.

Angie Gottschalk, Ithaca Journal staff

The Cornell Summer Lecture Series is part of a full calendar of free special events sponsored by the Division of Summer Session, Extramural Study, and Related Programs. Page 4 is a calendar listing many of these events.

Lecture Series Focuses on Flight

by Alicia Dowd

The Cornell Summer Lecture series takes place in Bailey Hall on Wednesday evenings at 8:15 p.m. Considering "Flight," the 1988 Summer Session theme, will be a group that includes a command pilot, an astronaut, a historian, an ecologist, an economist, and an ornithologist. All the lectures are free and the Cornell and Ithaca-area communities are invited to attend.

"Wobbling Aloft: The First Decade of the Airplane," the opening lecture, will be presented by Tom D. Crouch of the National Museum of American History on June 29. In his lecture, Dr. Crouch, chairman of the museum's department of social and cultural history, will describe the invention and early history of the airplane.

Slides during the talk and the presentation of a short film afterwards will show what the early flying machines actually looked like in the air. The film is composed of original motion picture footage of aircraft taken during the years 1905-1914. Included are the first motion picture images of a heavier-than-air flying machine aloft, the first movies taken from an airplane, and a sequence showing a race between aviator Lincoln Beachey and automobile racer Eddie Rickenbaker at the Iowa State Fair.

From the dreams of flight in myth and legend to the pioneers who came before the Wright brothers, Dr. Crouch will describe the evolution of the ideas that culminated in the birth of aviation. He will tell the story of Wilbur and Orville

Wright, explaining how these two midwestern bicycle makers were able to succeed where so many others had failed.

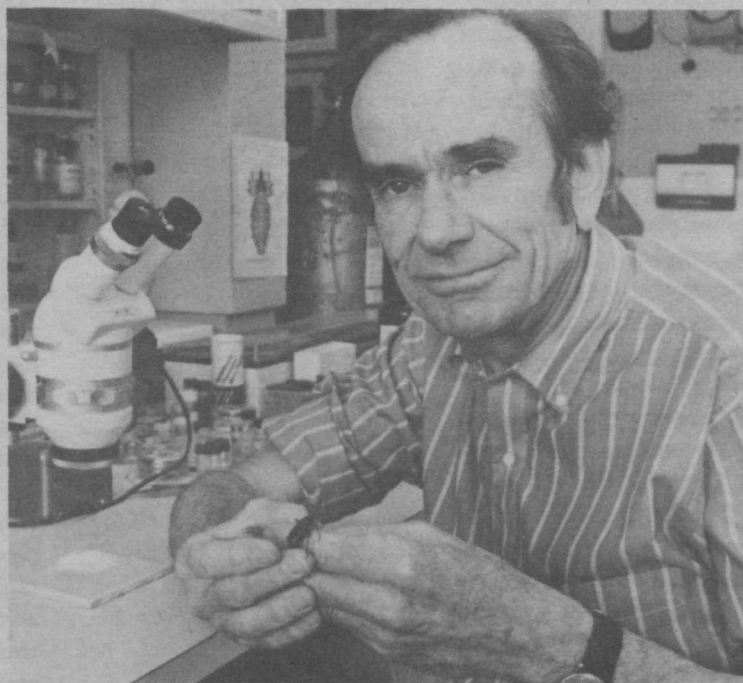
The excitement of early flying—the first crossing of the English Channel by airplane, the flying meets, the great races—will be portrayed with slides of the men and women who dazzled a wondering world with their flying skills as war clouds gathered on the horizon.

"Where Has All the Glory Gone? A Retrospective Look at Aviation" is the subject of

non-fiction author, and consultant.

Mr. Boyne asserts that "aviation in the United States is in the doldrums, and some very important changes are necessary to bring it back into the mainstream." His lecture will address the current disillusionment with aviation—with airline safety and the Challenger disaster as the principal problems—and speculate about what could happen in the future.

A career Air Force officer and a command pilot,



Professor Thomas Eisner will lecture on July 13.

Claude Levett

Walter J. Boyne's lecture on July 6. Mr. Boyne was the director of the National Air and Space Museum of the Smithsonian Institution from 1983 to 1986, where he founded the magazine *Air and Space* and pioneered the Museum's video-disc program. Currently he is pursuing a career as a novelist.

Mr. Boyne retired as a colonel in 1974 after 23 years of service. He has flown over 5,000 hours and was recently awarded the Cliff Henderson Trophy for lifetime achievement in aviation by the National Aviation Club. He began writing articles on aviation subjects in 1962 and has since then completed more

(continued on page 3)



Summer at Cornell
1988

Introduction to the Arts

by Margo Hittleman

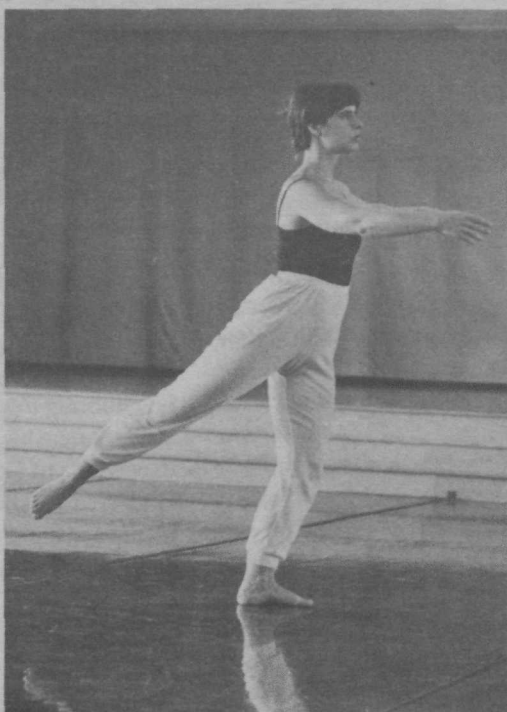
Summertime is adventure time. And what better adventure than the exploration of a new art form? For students in Cornell's Summer Session, offerings include architecture, painting, drawing, printmaking, sculpture, photography, music, and dance. Most of the classes are "hands-on," involving students directly in the creative process. All the introductory courses assume no prior knowledge or experience.

Introductory Photography, for example, begins with instruction on "how to use a camera." But it quickly moves on; by the end of the six weeks, students will have shot nearly 1000 pictures and have put together a portfolio of ten technically complete, matted prints. Through group critiques, students will have the chance to talk about their own and each other's work.

For some students, summer study is an opportu-

nity to begin a sequence of required courses during the less hectic summer period. For others, it's the chance to develop an interest or explore something new. With popular classes such as photography, it's an opportunity to enroll in a course that is usually closed to out-of-college students during the fall and spring.

(continued on page 3)



Matt Jones

Loni Wilkinson teaches Modern Dance II.

Summer at Cornell Photo Contest

by Alicia Dowd, *Cornell Summer Preview* editor

Get out your cameras and start shooting! The Cornell University Summer Session announces its 1988 Summer Photo Contest. Students, faculty, and staff are invited to capture the spirit of *Summer at Cornell* on film and submit black and white or color photos to our office in B12 Ives Hall by August 10. The first prize winner will be awarded \$100 and the second place finisher will receive \$50.

We're looking for photos that capture the people and places that make Cornell a great place to spend the summer. The photo below, for example, is one of our 1987 favorites. These faces—vibrant, intelligent, and friendly—say "This is the place to be and I'm loving it."

If you have any questions about the contest, give me a call at 255-4987 and I'll be glad to talk with you or to send you a copy of the contest guidelines.



Chip Tilden

What a prize-winning photo might look like.

Division of Summer Session, Extramural Study, and Related Programs:

Cornell Summer Report,
B12 Ives Hall; 255-4987

**Cornell University
Summer Session,**
B12 Ives Hall; 255-4987

Extramural Study,
B12 Ives Hall; 255-4987

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

**Cornell University
Summer College,**
B12 Ives Hall; 255-6203
**Programs in Professional
Education,**
B12 Ives Hall; 255-7259
**Cornell University
Conference Services,**
221 Robert Purcell Union;
255-6290

Cornell University Summer 1988, the Summer Session catalog, included reports about Cornellians whose work is "up in the air" in some way. Here are two more reports on work that involves "Flight," written by H. Roger Segelken and Jane Baker Segelken.

Looking Down is Looking Up

A bird's eye view of life on Earth is just the beginning at CLEARs, the Cornell Laboratory for Environmental Applications of Remote Sensing. Aerial photographs and satellite images let environmental scientists observe changes in everything from gypsy moth destruction of forests to acid rain pollution of lakes.

They can even look below ground and into the past, to a time when long-forgotten dumps were filling with toxic wastes that continue to haunt us today. CLEARs scientists, in cooperation with health officials in Suffolk County, Long Island, are pinpointing locations of abandoned landfills that could threaten the precious ground water in that crowded suburban community.

To the untrained eye, old dump sites resemble hills or depressions in the ground—if they're not already covered by parking lots, highways or, even worse, homes and schools. But skilled photographic interpreters know what to look for, and they are aided by CLEARs archives of aerial photos dating back 40 to 50 years.

"Suffolk County is concerned because there are plumes of contamination affecting the ground water and no one knows their source," said Eugenia M. Barnaba, technical manager of CLEARs. "We know there was a time in the 1940s and 50s when Long Island was a very convenient dumping ground," said Suffolk County Legislator Gregory J. Blass. "We've got to

make up for that now before we face serious problems."

CLEARs discovered 700 sites in Suffolk County that need some kind of attention, Barnaba said. "That information may help us find the sources of contamination and to treat them before extensive damage occurs." At CLEARs, where remote sensing means learning from a distance, they are learning to look at past decades for help in the future.

This Breathing Earth

Weather balloons launched by Cornell scientists are sampling air the Earth exhales from its forests, hills and prairies. Environmental engineering professor Wilfried Brutsaert leads a team of researchers who stay close to Earth for the NASA International Satellite-Land Surface Climatology Project.

Their free-flying instrument-equipped balloons record profiles of temperature, pressure and humidity in the air just above forests of southern France, foothills of the Swiss Alps, and the grasslands of Kansas. There, in the so-called atmospheric boundary layer, evaporating moisture enters the intricate puzzle of global climate and water balance.

Long-range predictions of weather depend on knowing where water and heat are coming from, yet high-flying weather satellites still can't tell much about what's near the surface, Brutsaert explains. "Heat transfer from Earth's surface is drastically affected by surface hydrology—the trans-

port of water vapor from the ground and plants—and that in turn is affected by the state of the plant cover."

At present, massive computer models of weather rely largely on untested assumptions about air flow, heat flux, and evaporation over various land forms, according to the engineer. "Improvement of our understanding of these processes is urgently needed." So hundreds of weather balloons, equipped with precision instruments, are allowed to slip their tethers, rise and drift with the breeze, to test the air where next week's weather—and next year's—is starting now.

Fuertes Exhibits

The art gallery at the **Cornell Laboratory of Ornithology** at Sapsucker Woods features works of Louis Agassiz Fuertes, generally considered the greatest bird painter of the twentieth century. Over one hundred original watercolors, oils, and pencil sketches are on display in the Laboratory's hallways and the Fuertes Room.

The Department of Manuscripts and University Archives, located in Olin Library, also holds a substantial collection of the personal papers and artwork of Louis Agassiz Fuertes. A selection of original letters, sketchbooks, and watercolors will be on exhibit this summer.

Fuertes graduated from Cornell in 1897 and maintained close ties throughout his life.

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

Question #4: "What Are Your Expectations?"

by Alice Segal

The high school juniors and seniors who apply to Cornell's Summer College give an almost unanimous answer to question #4 on the application.

Asked "What are your expectations?" they invariably cite the chance to meet and mix with young people from all over. No problem.

The class of '88 is made up of students from 51 countries and 44 states, and their interests and backgrounds are as varied as their geography. Among the 800 high-school students who've come for a look into their futures this summer are:

Glenda, a Navajo from Arizona who was elected tribal princess; rock-climbers Aaron from Wisconsin and Rulla from Washington; a young woman from Massachusetts who has never met anyone else with the first name of Killian; an American world-traveler, Gretchen, currently at the French International School in Hong Kong; Michael, an imaginative essayist from Hawaii who's intrigued by King Arthur; a Louisiana math whiz named Brett, who plays the piano and soccer; Long Island's

Tristan, who writes and acts; Norvin from Alabama, whose interest in linguistics brings him here to study Dutch; John from Arkansas, who relaxes by listening to music and wondering about the world; and Devin from New Jersey, who "could watch an auto race all day."

Simone, who lives in Florida, was raised on the island of Jamaica and has never been up North; Ingrid from Australia and Matthieu from France are both taking courses in microeconomics; Jon-Mikel, who reads Greek mythology on his own in California, came to Cornell to study "Geometry in Our Lives"; from Alaska comes Ana, who never wanted to be "a fireman, ballerina or even President," but always a doctor; and from Texas, there's Adrienne, who is "eternally grateful" to her parents for raising her on music and literature instead of TV; a violin player, Melanie from Indiana, who's learning about the world of Nero and Saint Paul; and Archana from Egypt who'll be exploring the local flora in her plant biology course.

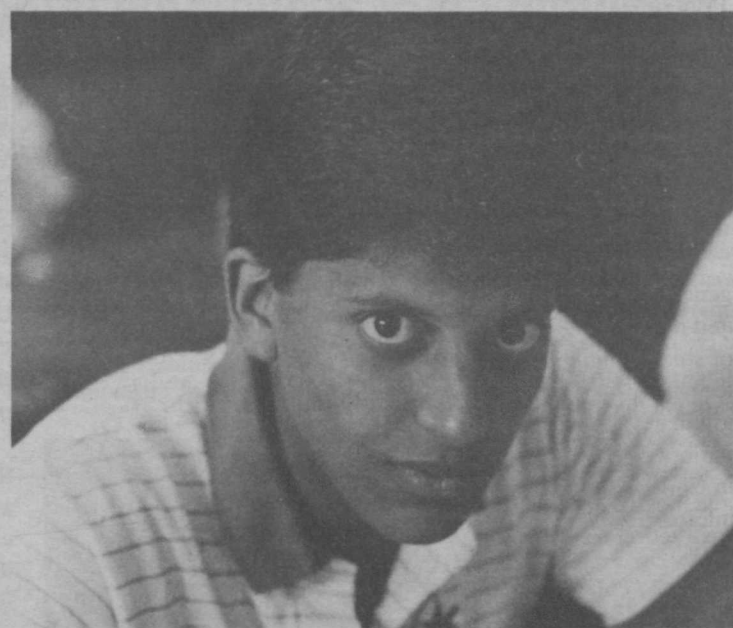
"We work hard to admit an exciting mix of students," says

Summer College Director Margaret Haine, "in the hope that they will expand each others' horizons while they are enlarging their academic awareness. It's great to watch the friendships form. One of the rewards for me is hearing from former students who have visited each other and are continuing these relationships."

Cornell University Summer College attracts this diverse student body because it is designed to support the academic interests of almost any pre-college student. Participants enroll in regular Cornell

courses, which draw on the full range of university disciplines—architecture, art, astronomy, chemistry, classics, economics, government, languages, literature, history, physical and social sciences, theater/visual arts, veterinary medicine and others.

In addition, there are exploratory career programs to acquaint students with the ins and outs of many professions; a program to sharpen study skills; and opportunities to question admissions counselors about the myths and realities of the college admissions process.



A 1987 Summer College student.

Chip Tilden

So the football player from Florida can take the advanced computer course his high school doesn't provide, and the young actor from Baltimore with professional credits on his resumé will be equally challenged by intense immersion in the theatre arts program. Challenged, too, are the young woman from Beijing, China, who is studying engineering and all she can learn about Americans; and the jazz musician from Oregon whose interest in life's big questions led her to a class on contemporary moral issues.

But distance is not the only criterion—nor the only lure. There are scholars here from Ithaca High School and from neighboring towns around New York State who will find the experience of Cornell Summer College as challenging and maturing as will the young men and women from Puerto Rico and Turkey and Texas. Exploring the campus, discovering the waterfalls and sidestreets of Ithaca, and doing their own laundry, they'll be in for some self-discovery too.

Faculty Profile: Harpsichordist Joyce Lindorff

by Martha Goelzer

Dr. Joyce Lindorff is spending her first summer in Ithaca teaching both an advanced harpsichord workshop and introductory music theory at Cornell. She will also present a harpsichord concert on June 27 as part of the free Cornell Summer Concert Series. Since coming to Cornell from New York City in the fall of 1987 to begin a two-year appointment as a Mellon Postdoctoral Fellow in the Humanities, Dr. Lindorff, who received her doctorate from the Juilliard School in 1982, has been teaching harpsichord and theory as a faculty member of the music department.

Dr. Lindorff will perform works ranging from the earliest known harpsichord music—some rarely-heard Italian dances—to a recent piece by Hans Werner Henze in her concert on Monday, June 27, at 8:15 p.m. in Barnes Hall auditorium. Also on the program are Bach's masterful Italian Concerto and pieces by Rameau and Couperin. She is a seasoned harpsichord performer, having appeared throughout the U.S., Europe, and Japan since her 1980 debut at Carnegie Recital Hall.

From June 13-17 participants in the Cornell Summer Harpsichord Workshop, under

the direction of Dr. Lindorff, are engaging in intensive study of various aspects of harpsichord performance—from the subtleties of French baroque style and the art of continuo accompani-



Harpsichordist Joyce Lindorff

ment to the essential practicality of instrument maintenance, including the changing of strings and the carving of quills. Dr. Lindorff also concentrates on exposing participants to a selection of non-traditional repertoire, including some of the very earliest and some of the very newest harpsichord music. The workshop, which is offered for the first time this summer, is sponsored by the Cornell University Summer Session in conjunction with the Center for Eighteenth Century Music at Cornell.

During the six-week session (June 27-August 9) Dr. Lindorff will be teaching Introduction to Music Theory (Music 105). She is a champion of the essential relevance of theory. "It's not a separated function. It's just the study of what makes the music work. It's giving yourself a vocabulary, and that in turn gives you the ability to notice what's happening." Like most Summer Session courses, the class meets daily. "I'm looking forward to it," Dr. Lindorff said, "because it seems that although it's more intensive, it's also more relaxed in the summer." She believes that one reason may be that students are "not as compartmentalized with all the other courses that they might be taking during the year." For faculty, "the summer is a nice chance to be able to give more attention to each student." Introduction to Music Theory, which is generally quite a large class when offered in the fall semester, is limited to fifteen students during the summer.

In spite of her full schedule, Dr. Lindorff is hoping to spend some time exploring Ithaca and the Finger Lakes region with her family this summer. "It's pretty special, this whole area, like everyone told me it was," she says. "It's really full of attractions that I'm very excited about seeing."

Lecture Series

(continued from Page 1)

than 300 articles, twelve non-fiction books, and two novels. His book *The Smithsonian Book of Flight*, published in 1987, was a Book of the Month Club premium selection. A previous non-fiction book, *The Leading Edge*, was also a Book of the Month Club premium selection. His second novel, *Trophies for Eagles*, will be published in the spring of 1989.

"On Insect Flight—and Flights of Fancy" is the title of Professor Thomas Eisner's lecture on July 13. Dr. Eisner is the Jacob Gould Schurman Professor of Biology in the Section of Neurobiology and Behavior at Cornell. Recently Dr. Eisner was the first American to win the highest award of the German Zoological Society, which is awarded for "outstanding biological work characterized ...by an integral approach and a strong impact on biological thinking."

Dr. Eisner says: "Flight means freedom for insects—freedom to search for food, mates, and a site for eggs. And it means danger—danger from birds, spider webs, and bats. How insects make it on the wing—how they reap the benefits while circumventing the hazards—will be the subject of this talk."

Photographs and other visuals will accompany the talk. Close-up photography is a major component of Dr. Eisner's research activities, for which he has developed special video techniques. His photographs have appeared in many books and magazines, and his films have been incorporated in television productions. The cover of the 1988 Summer Session course catalog is a close-up photo of a pigeon's wing feather taken by him.

Dr. Eisner notes, "My chief intellectual bent has always been the study and exploration of nature, and I cannot recall a time when I was not doing something with live animals. My room as a boy was a downright hazard to the uninitiated, and off limits even to the family at times." Eisner's current research deals with insects, and in particular with their behavior, ecology, and evolution. He works in the interphase of biology and chemistry called chemical ecology, specifically how animals communicate chemically.

On July 20, Alfred E. Kahn, the Robert Julius Thorne Professor of Political Economy at Cornell, will present "Airline Deregulation: Do I Apologize or Gloat?" As chairman of the Civil Aeronautics Board, a position to which he was appointed by President Carter in 1977, Dr. Kahn was instrumental in bringing about airline deregulation. In October of 1978, President Carter also appointed him to serve as advisor to the President on inflation and as chairman of the Council on Wage and Price Stability.

Dr. Kahn notes the benefits and costs that have resulted from deregulation. With the increased competition allowed

by deregulation, last year's fares adjusted for inflation were more than 30% below pre-regulation levels and accident rates were down 35-40% as well. On the other hand, now that flying is a mass mode of travel, we see poor service and greater congestion in airports. These problems are worsened by the federal government's failure to fund adequate air traffic control and safety inspection activity and to build additional airport capacity.

Dr. Kahn answers the question in his title by saying, "I still go to bed at night smiling."

Former astronaut Joseph P. Allen spent 314 hours in space; on July 27, he will talk about his experiences as an astronaut in a lecture titled "Flight Past the Edge of the Earth."

Dr. Allen was with NASA from 1967 until 1985, serving as a mission scientist for Apollo 15 and as a mission specialist of



Walter J. Boyne, former director of the National Air and Space Museum, will speak June 29.

two space shuttle flights. He developed and carried out the procedure for the first satellite deployment from the shuttle in 1982 and developed and carried out the procedures for the first space salvage operation in history, recovering two communications satellites for return to earth in 1984.

Dr. Allen's book *Entering Space* was published in 1984 and *From the Edge of the Earth* is to be published in 1989.

Since 1985, Dr. Allen has been the executive vice president of Space Industries, Inc., where he is responsible for marketing and public relations, user development, and relations with Congress and NASA.

On August 3, Colin Pennycuik will present the final lecture of the series. Dr. Pennycuik is the Maytag Professor of Ornithology at the University of Miami and his lecture is titled "Flight in the Animal Kingdom."

Dr. Pennycuik notes that insects were the first animals to acquire the power of flight, followed in later times by pterosaurs (now extinct), bats, and birds. In each group, he points out, this demanding form of locomotion evolved in animals whose ancestors could not fly, and were in no way "designed" with the need of flight in mind. The process by which this complex adaptation developed in different animal groups is not so well documented as that which led to human flight, but is analogous in a fundamental way, he believes.

Introduction to the Arts

(continued from Page 1)

In addition to introducing new art forms, materials, and/or basic techniques, the courses explore the history of the form. "Who ever thinks of drawing on a stone?" asks Professor Greg Page, who teaches Introductory Printmaking. "The experience of utilizing limestone to produce an image is unique. Yet it's a very old process and has been quite fashionable throughout history. In the class, I try to look at the historic relevance as well as the artistic relevance."

Most classes are small, generally about fifteen people, and may include a broader mix of students than fall and spring terms, mostly Cornell undergraduates, but also high school juniors and seniors participating in Cornell's Summer College, international students, and other university staff and community members who want to pursue a special interest. For some classes such as painting, says its instructor, Professor Stanley Taft, no advanced sequences are offered during the summer so there's a greater diversity in levels of ability and experience during the summer. The summer class tends to be more flexible, notes Professor Taft, and is tailored to the needs of the students.

In general, the summer course content and requirements are the same as those of their fall and spring counterparts. But summer study does offer students special advantages. In



A student painting on the Arts Quad.

Doug Hicks

addition to smaller classes, the art facilities are less crowded and students burdened with fewer demands. Summer study is also more concentrated; most of the classes meet for two hours a day, five days a week. "Being able to concentrate on only taking photographs," says Professor Jean Locey, "moves people along very quickly, especially technically. At the same time, the atmosphere is more relaxed. Students who go on to take other department courses tell me how much more they've enjoyed the class during the summer because it was more relaxed, there was more contact with the faculty. In terms of

actual hours, there really isn't more contact. But the intensity of a daily class produces a different effect, and it feels like more special attention."

Summer classes tend to be more relaxed for faculty members as well. "For me, there is less going on, fewer duties of a professor," says Professor Taft. "It makes for nicer working conditions."

And then there's the weather. Summer offers the appeal of the out-of-doors, and most faculty members try to take advantage of that by offering their students the chance to work with and from the area's inspiring landscape.



Summer at Cornell

Free Special Events

Cornell Summer Lecture Series

Wednesdays, 8:15 p.m., Bailey Hall

June 29

"Wobbling Aloft: The First Decade of the Airplane"

Tom D. Crouch, National Museum of Natural History, Smithsonian Institution

July 6

"Where Has All The Glory Gone?: A Retrospective Look at Aviation"

Walter J. Boyne, former director, National Air and Space Museum

July 13

"On Insect Flight and Flights of Fancy"

Thomas Eisner, Jacob Gould Schurman professor of biology

July 20

"Airline Deregulation: Do I Apologize or Gloat?"

Alfred E. Kahn, Robert Julius Thorne professor of political economy

July 27

"Flight Past the Edge of the Earth"

Joseph P. Allen, executive vice president, Space Industries, Inc; former astronaut

August 3

"Flight in the Animal Kingdom"

Colin J. Pennycuik, Maytag professor of ornithology, University of Miami

Performing Arts Series

Thursday, June 30, 8:15 p.m.,

Barnes Hall auditorium

The Second Hand Dance Company

Friday, July 8 & Friday, July 15, 8:15 p.m.,

Barnes Hall auditorium

"A Gilbert and Sullivan Potpourri"

The Cornell Savoyards

Thursday, July 14, 7:00 p.m., The Arts Quad

The Multigravitational Aerodance Group

(rain location: Bailey Hall)

Thursday, July 21, 8:15 p.m., Barnes Hall auditorium

The Ithaca Art Ensemble

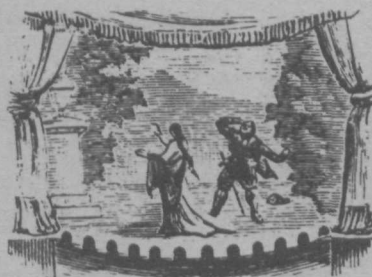
Friday, July 22 & Friday, August 5, 8:15 p.m., Barnes Hall auditorium

Elizabeth Swados' "Nightclub Cantata"

The Ithaca Opera Association

Thursday, July 28 & Friday, July 29, 8:15 p.m., Barnes Hall auditorium

An Evening with the Ithaca Ballet



Outdoor Concert Series

7:00 p.m., The Arts Quad

Rain location: Kaufmann Auditorium, Goldwin Smith Hall

Tuesday, June 28

Traditional jazz—Peggy Haine and the Lowdown Alligator Jass Band

Tuesday, July 5

Folk music—Jacqueline Steiner

Thursday, July 7

Afro-Caribbean and reggae—Sundog

Tuesday, July 12

Original Adirondack mountain music—Poncho

Tuesday, July 19

Traditional and contemporary bluegrass—Chestnut Grove

Tuesday, July 26

Acoustic guitar—Geoff Bartley

Tuesday, August 2

Folk and blues—Sparky Rucker

Cornell Summer Concert Series

8:15 p.m., Barnes Hall auditorium
(unless otherwise noted)

Monday, June 27

Harpsichord, Joyce Lindorff

Monday, July 4

Fortepiano, Malcolm Bilson

Monday, July 11

Anabel Taylor Chapel

Organ, Donald R.M. Paterson

Monday, July 18

Violin and piano, Rolfe Sokol and Wendy Maraniss

Monday, July 25

Piano, Jonathan Shames

Monday, August 1

Flute, cello, and piano

The Malvern Trio: Paul Thompson, Sara Edgerton, and William Cowdery

Thursday, August 4

Jazz piano, Oliver Jones



Cornell Summer Sandwich Seminars

Noon Thursdays, 213 Ives Hall

June 30

"Choosing a Pet"

W. Jay Gould, assistant professor of medicine, veterinary clinical sciences

July 7

"Computers as Wind Tunnels: Aerodynamics from the Sound Barrier to the Energy Crisis"

David A. Caughey, acting director of the Cornell Theory Center and professor of mechanical and aerospace engineering

July 14

"Flight from Reality: Can We Predict Mental Disorders?"

Mark F. Lenzenweger, assistant professor of human development and family studies

July 21

"The Flying Prince and the Pomegranate Princess: What Folktales Reveal"

Edward Hower, visiting assistant professor of comparative literature

July 28

"Flight: News-Gathering via Bird and Plane"

Irwin M. Chapman, executive director and editor-in-chief, Cornell University News Service; former ABC News correspondent

August 4

"Honey Bee Swarm Orientation"

Roger A. Morse, professor and chairman of the department of entomology

Great Books Seminars

Noon Tuesdays, 110 A. D. White House

"Mothers/Daughters/Fathers/Sons"

June 28

Moliere's *The Learned Ladies*

July 5 and July 12

Turgenev's *Fathers and Sons*

July 19 and July 26

Woolf's *To the Lighthouse*

August 2

Kafka's *Letter to His Father* and Gordimer's *Letter from His Father*



A complete calendar of special events is available from Cornell University Summer Session, B12 Ives Hall, Ithaca, N.Y. 14853; (607)255-4987.

Networking

A Cornell Newsletter Published by Employees for Employees

Volume 9, Number 6

Thursday, June 23, 1988

Twelve Employees Awarded Degrees

Employee Degree Candidates: "A Long Struggle But Worth It"

Twelve of your fellow employees achieved a personal goal this year when they completed a Cornell degree and graduated with the Class of '88. Congratulations Ed Swayze, Glenn Applebee, Vickie Goss, Janet Gray, Cindy Thomas, Robin Gowin, Karl Schmid, Ruth Con-

stantine, David Vaughn, Chris Pelkie, Roger Kaplan, and Joe Scantlebury. It wasn't easy to work and be a student at the same time and below are some comments on their experiences in the Employee Degree Program.

Administered by the Training and De-

velopment section of the Office of Human Resources, the Employee Degree Program offers full-time employees with at least one year of service the opportunity to pursue academic degrees.

Degree programs must be job-related and shown to hold significant potential benefit to both the employee and the university.

Research Support Specialist David Vaughn's participation in the Employee Degree Program came about at a time when changes in his department, Plant Breeding and Biometry, were taking place in a forage breeding project and at a time when he was eager to take on additional responsibility.

"It became apparent that undertaking new responsibilities would require additional coursework and extensive hands-on field research experience," he said. "My thesis project was well integrated into my normal job duties and had minimal impact on the day-to-day operations."

"In fact," he continued, "the research was designed as an integral part of our ongoing research program for improving the nutritional quality of alfalfa forage. I had the full support of my supervisor and department chair in this undertaking."

Completing the research and writing his thesis took Dave about three and one half years.

To be considered for admission to the program, you must first be accepted by a Cornell University school or college as a regular degree candidate; follow all procedures and deadlines in effect for your chosen degree; complete an application available from Training and Development; and secure approval from your department head, dean, or executive officer.

Participants maintaining full-time employment status may take a maximum of eight credit hours per semester. Degree candidates are also allowed a maximum of two academic semesters at not less than half-time employment to enroll as a

full-time student in order to fulfill any residency degree requirements. Such employees will receive prorated pay while their work schedule is reduced but do maintain most of the benefits granted full-time employees.

What are some of the difficulties participants run into along the way? "Simply finding the time to get everything done," said Vickie Goss who earned her MBA in May after having worked toward this goal since 1984. "Cornell is a very competitive university. You need to spend a lot of time studying and that means almost a total focus for the period you are going to school," she continued.

Robin Gowin, a systems analyst—programmer with the Department of Computer Science received an MEng and has been working on his degree since January 1986. He listed some of the difficulties he encountered: "Mainly realizing that I had no time off when I was not studying. Being a part-time student and full-time employee can get tiring. I had to use many vacation days to maintain my coursework."

Dave Vaughn noted some problems he had to deal with: "Receiving half-pay while meeting residency requirements and missed classes because of job responsibilities." But he also said that pursuing an advanced degree while working full time provided lots of experience in time management.

These graduates also noted some other benefits - in addition to time management - gained from having participated in the program:

Robin Gowin: "This degree will help inform me of current trends. It's very much job-related."

Vickie Goss: "Certainly the quantitative skills are an immeasurable help in budget planning and cost control. The technical computer skills learned help in establishing management information

Continued on page 7



Vickie Goss, MBA
Commencement Office



Robin Gowin, MEng
Computer Science



Janet Gray, BS
Human Ecology



David Vaughn, MS
Agriculture & Life Sciences

Thank You to Vietnam Era Veterans And Disabled Veterans

The Office of Equal Opportunity would like to thank the nearly 200 employees who identified themselves as Vietnam era veterans and/or disabled veterans. You are invited to stop by 234 Day Hall or call 5-3976 for information about current services or offer suggestions about programs that you believe would be beneficial. We welcome your input.

Dr. Richard Wentworth Receives Dedicated Service Award

The Networking editorial board and the faculty and staff of the College of Veterinary Medicine are pleased to nominate Dr. Richard Wentworth, senior research associate, as the June dedicated service employee. In his 31 years at Cornell, Dick has served the University in many capacities in several different research and teaching units.

In his present position in the laboratory for pregnancy and newborn research, Department of Physiology, Dr. Richard Wentworth personifies the "can do" approach. According to his supervisor, Dr. Peter Nathanielsz, "Dick's attitude is that problems exist to be solved and can be solved."

Dick is noted for his generosity with his time to both colleagues within his department and to those outside of it who need help with hardware and software problems on the personal computer.

Sue Shell, secretary for Dr. Nathanielsz, comments that "Dick is always the first to volunteer to do something extra, whether it's helping someone set up a computer, rearranging an office, barbecuing at a group picnic, or organizing a volleyball game. The word

"no" does not seem to be in his vocabulary."

Karen Moore adds, "His knowledge of computers has made us more demanding of his time when something goes wrong. He is always there when you need him. His never-ending patience with us and his good spirits make working with Dick a pleasure."

Cathy Andersen of the Department of Clinical Sciences, gastrointestinal lab, says, "Dick has been consistently helpful, even when I have interrupted his busy workday. It's a good feeling to know that there is someone you can depend on for help when you need it."

"Dick's ability to be so patient and helpful while unraveling even the most extensive (human) computer errors makes him invaluable to us all," adds Carol Kuklo.

Joyce Reyna, of Reproductive Studies, speaks for us all by saying, "It's hard to imagine where we would be without his good-natured support."

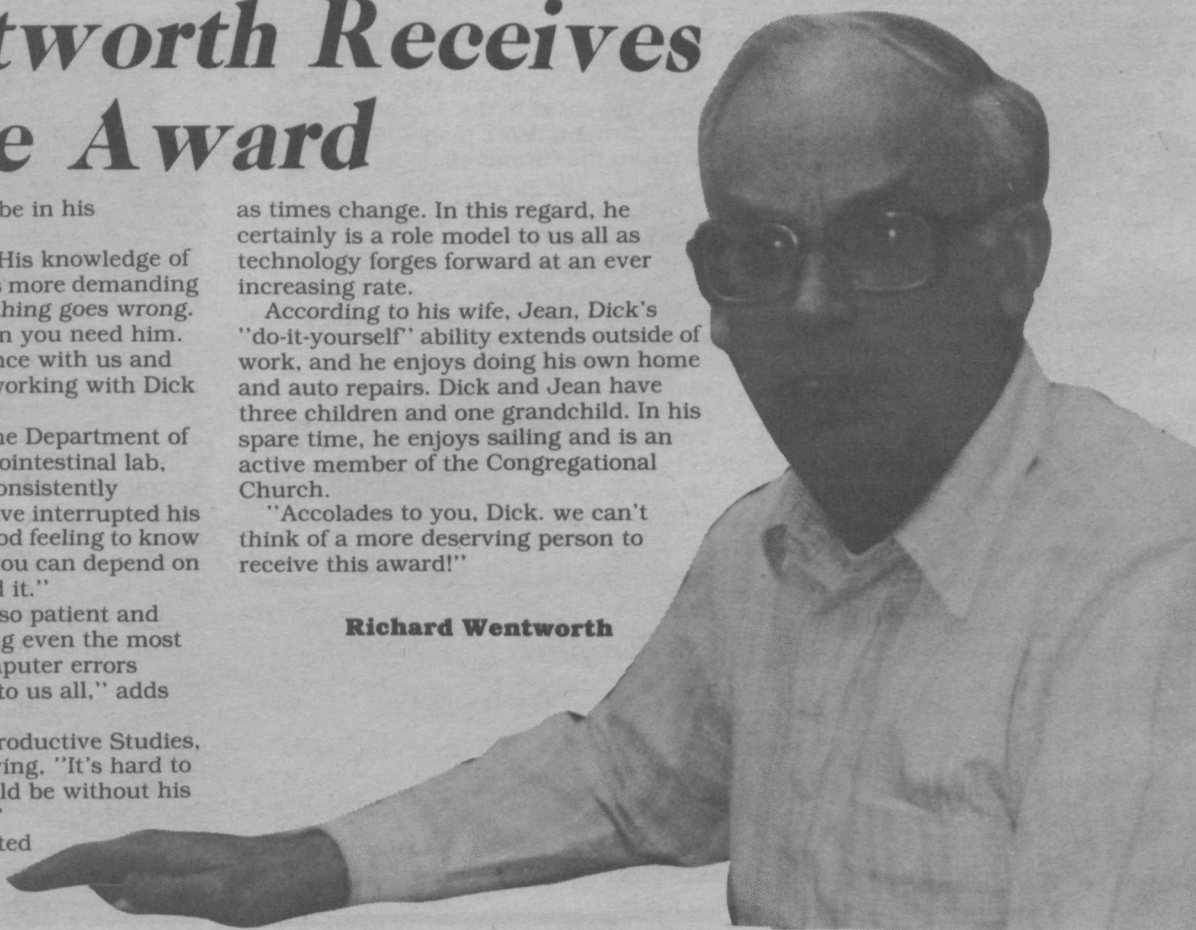
Dick has demonstrated his flexibility and eagerness to adapt to new challenges

as times change. In this regard, he certainly is a role model to us all as technology forges forward at an ever increasing rate.

According to his wife, Jean, Dick's "do-it-yourself" ability extends outside of work, and he enjoys doing his own home and auto repairs. Dick and Jean have three children and one grandchild. In his spare time, he enjoys sailing and is an active member of the Congregational Church.

"Accolades to you, Dick. we can't think of a more deserving person to receive this award!"

Richard Wentworth



Marion S. Ball Retires With Best Wishes from DMLL

The faculty and staff of the Department of Modern Languages and Linguistics wish to recognize Marion S. Ball for her many years of dedicated service. Marion has worked in the DMLL for over 19 years and will be retiring on June 30.

Marion began as a secretary in 1968 with the former Division of Modern Languages and has remained with us through the refurbishing of Morrill Hall and the expansion of the division to the present Department of Modern Languages and Linguistics.

She now acts as the registrar for the department and handles all aspects of her position with a dedication and precision far above expectation.

The DMLL currently offers instruction in over 30 languages and all the major branches of linguistics, with over 200 course offerings in all. Marion works diligently to arrange classroom space, keeping in mind everyone's personal needs.

While it is impossible to please everyone, she spends endless hours checking out all alternatives to make the best arrangements possible. Her knowledge of the department, her experience and

working relationships with other departments have made life easier for everyone she has contact with. Marion is a true professional, planning in advance and documenting her work in absolute detail.

Marion has been an excellent representative of the DMLL and for these many years her desk has been the first stop for undergraduates seeking to find out about their language requirements. In addition to handling all aspects of her own position in a truly outstanding manner, she has assisted in the training of numerous staff (and faculty!) members in the DMLL.

Marion and her husband Don (who recently retired himself and has been patiently waiting for Marion to retire) enjoy traveling and hope to take advantage of their new-found freedom to visit their four children and their many grandchildren all over the United States.

Marion's retirement will leave a void in the DMLL which will be difficult to fill. She has been a faithful and dedicated Cornell employee who will be missed both as a valued colleague and as a dear friend. We all wish her a long, healthy, and productive retirement.

Marion S. Ball



Focus on the Employee Assembly

By Mick Ellis Impact Decisions

As I begin my third term as chairperson of the Employee Assembly, I am reminded that too many employees are unaware of the extent to which the Assembly has an ongoing opportunity to impact decisions, policies, and benefits which profoundly affect their lives as well as their work environment.

Assembly members meet regularly with the president, provost, senior vice president, vice president for Campus Affairs and the director of the Office of Human Resources.

In addition, we have access to all other administrators and supervisors and offices departments within the Cornell community.

A Working Partnership

Over the years, I have seen the Assembly's influence and reputation enhanced by the hard work of committed and dedicated employees who have contributed significantly to the constructive and effective resolution of problems and issues within the larger community. Their tireless efforts have earned them a working partnership with the university's decision-makers.

The Assembly's effectiveness is enhanced every time another employee becomes involved in campus governance. A diversity of views, energies and talents enriches the governance process.

The Assembly provides a mechanism for the informal exchange of information and views between employees and university administrators. It ensures a direct focus for the continued involvement of exempt and nonexempt employees in the governance of nonacademic affairs and in the life of the university.

Greater Visibility for Employees

In so doing, the Assembly creates greater visibility for employees as community members, more equal participation with faculty and students in the policy process, and an increased sense of community.

The Assembly has the authority to examine the university's personnel policies as well as other policies affecting the work environment and make recommendations to the appropriate bodies and university administrators concerning these matters.

Recommendations might address issues such as retirement, day care, education-training opportunities, smoking policy, transportation-parking, recreation and communication among employees.

Thirteen Members

Employees may be surprised to learn just how many of their fellow workers are involved in the governance process. The Employee Assembly consists of just 13 members.

However, to expedite its work, the Assembly is dependent on a number of standing and ad hoc committees. Each committee is charged by the Assembly with specific responsibilities.

Over 200 Committee Members

These committees are the "work horses" of the Assembly and are staffed by employees. The committees collect

1988-89 Employee Assembly Members

Chair - Mick Ellis

Vice Chair - Judy McPherson

Kim Arcangeli	723 VRT	3-3464	Statutory Nonexempt	'90
Cleo Bash	401 WSH	5-4311	Endowed Exempt	'90
Alberta Callihan	280M Myron Taylor	5-5880	Statutory At-Large	'90
Susanna Dwyer	Box 15, Roberts Hall	787-2244 (8-122-301)	Geneva At Large	'90
Mick Ellis	218 RPU	5-6220	Endowed Exempt	'89
William Genter	NAIC Research Park	5-5274	Endowed At-Large	'90
Joan Heffernan	212 Kimball Hall	5-0988	Statutory Nonexempt	'89
Judy McPherson	G123 VMTH	3-3229	Statutory Exempt	'89
Linda Narde	265 Olin Hall	5-7319	Statutory Nonexempt	'89
Suzanne Sager	222 Day Hall	5-7489	Endowed Nonexempt	'89
Kevin Sharp	234 Day Hall	5-6894	Endowed Nonexempt	'90
Donna Vose	440 Statler Hall	5-6358	Endowed Nonexempt	'90
COULD BE YOU!	VACANT		STATUTORY EXEMPT	'89

TRUSTEE-EX-OFFICIO

George Peter	NAIC Research Park	5-5274	Trustee	7-1-84 - 6-30-88
Dwight Widger	LOE Wilson Lab	5-4882	Trustee	7-1-88 - 6-30-92

EX-OFFICIO

Wilson Small	313 Day Hall	5-3352	Business Manager, Campus Life Director, Human Resources Coordinator, Networking
Lee Snyder	130 Day Hall	5-3621	
Donna Updike	236 Emerson	5-3506	

Your Employee Assembly needs your participation and support in the governance system and decision-making processes at Cornell. The administration at Cornell cares about its employees and works closely with your Assembly representatives to establish and revise policy

and procedure. Through your Employee Assembly, Cornell administrators promote participation by every employee interested in formulating policy and making decisions which govern our lives not only at Cornell but also in the communities around us and even in our own

communities.

Become involved. We urge you to contact one of your representatives today (or on that day you "wish you had a say in what's happening"). It's definitely worth your time! Just want information? ... Just call.

Mick Ellis



Employee Assembly Summer Meeting Schedule

July 6, 12:15-1:45pm, 3rd floor Day Hall Board Room.

August 3, 12:15-1:45pm, 3rd floor Day Hall Board Room.

Commencement Committee Thanks All Volunteers

The 1988 Cornell Commencement Committee would like to thank all volunteers who worked on Sunday, May 29 at the University Commencement Ceremony. Volunteers were thanked personally by President and Mrs. Rhodes on May 31 at a reception at the president's home. Below are scenes from the reception, and the names of volunteer ushers who contributed to the success of the 120th University Commencement Ceremony.

Volunteers who could not attend the reception: Please pick up your commemorative mug at the Commencement Office at B-25 Day Hall.

Michael Abarbanell
Julian Abele
Josh Abelson
Barbara Abrams
Susan Adleman
Brian Aldrich
Anita Aluisio
Yvette Anderson
Paul Andrews
Paula Andrews
Ann Argetsinger
Susan Aronica
Jean Babcock
Jean Ballard
Rick Banks
Elizabeth Barnardi
Paul Bartishevich
Cleo Bash
Mary Basl
Carol Battisti
Yvonne Beauford
Joyce Beckley
John Belina
Catherine Benedict
Donna Benjamin
Jake Benninger
Anne Beyer
Sharon Bilotta
Charles Blake
Anne Bland
Agnes Boncek
Keith Boncek
Jerry Boothby

Del Boss
Jane Bowen
Dann Braid
Brenda Bricker
Irene Brown
Molly Brown
Charlotte Bruce
Chris Bruce
Maureen Brull
Macie Buchowski
Eve Bumbalo
Dave Burnett
Bruce Bush
Wayne Butler
Alberta Callihan
Mary Jo Cantwell
Robert Carlisle
Sandra Caron
Theresa Carroll
Christa Carsello
Lael Carter
Neff Casaburri
Cassie Castonguay
Maureen Chapman
Cindy Chase
Carol Chock
Paula Clark
Bob Colbert
Margaret Coles
Ray Coles
Janice Conrad
Bill Coons
Shirley Cunningham
Jean Currie
Joanne Davenport
Bill Deming

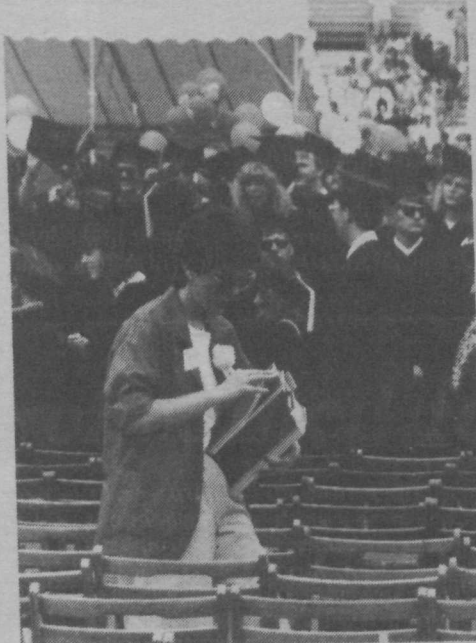
Dorothy Deming
John Dentes
Fran Dexheimer
Wanda Dominger
Mary Duclos
Jim Dunston
Andrea Dutcher
Harry Dutton
Betsy East
Joe Edminister
Ann M. Erickson
Cheryl Farrell
Seth Fichter
Joan Fisher
Cindy Fitzgerald
Josephine Flomerfelt
Hilary Ford
Bridget Foster
Bruce Frantz
Betty Ganung
Ermina Gentile
Vincent Gibbons
James Gibbs
Jean-Jacques Gillet
Bill Gilligan
Penny Givin
Margaret Goodbody
Alicia Goode
Lisa Gould
Kelly Green
Bernard Gurewich
Walter Gutenmann
Jendy Hall
John R. Hall
Christine Hammon
Steve Hardy
Anita Harris
Drew Hartnett
John Hartnett, Sr.
Liz Hastings
Judy Hausner
Randy Hausner
Allene Hays
Donna Henley
Lucrezia Herman
Don Hettiaratchy
Linda Hill
Sue Hills

Connie Holmes
Diana Horgan
Jane Houser
Janet Howe
Sheryl Howell
Edna Hu
Ann Huey
Mohammad Idrees
Rebecca Ireland
Nancy Irish
Lorraine Jayne
Dan Jenkins
Cai Jing
Margaret Johnson
Pat Jones
Shika Jones
Lynn Jordan
Lanny Joyce
Ann Marie Kaminski
Flora Karasin
Bryn Kehrli
William Kelly
Tom Kenney
Mary Rita Kessler
Lavina Kilmer
Ed Klopf
Deane Knox
M. Arun Kumar
Jeff Lallas
Pat Lalonde
Janet Lalor
Walter Lalor
Shelly Landau
Petra Laurie

Kathryn Lomax
Pat Long
George Longmire
Joanna Lynch
Connie Mabry
Linda MacHenry
Harry MacPherson
Marne Mahlum
Linda Mapes
Carol Markwei
Julie Martin
Nancy Massicci
Bonnie Mather
Margaret Mattoon
Cheryl McCord
Joanna McCully
Olympia McFall
Carolyn McGory
John McKeown

Dorothy Milton
Laurene Mongelli
Cathy Mooney
Mack Moreland
Betsey Morley
Nancy Morris
Sara Morse
James Mullane
Elizabeth Neithamer
John Newton
Theresa Norman
Mike North
Theresa Nycz
Michael O'Connell
Diane O'Shaughnessy
Chris Offutt
Stu Orefice
Peter Orschiedt
Dennis Osika
Julie Paige
Marilyn Paluba
Doug Parsons
Mary Patterson
Tim Pendergast
Florinda Pendley
Andrea Petersen
Tom Peterson
Neil Poppensiek
John Potter
Eliana Protzel-Lucente
Sue Quick
Shelly Randall
Theresa Rapacki
Ann Redelf
Patricia Reed
Bob Reese
Keith Reitenbach
Marlene Reitz
Paula Rich
Michael Riley
Victor Roa
Jane Roberts
Laurie Roberts
Susan Robinson
Madeline Rockcastle
Bruce Roebal
Tom Roth
Mary Pat Rouse
Laura Sandison
Sharon Sanford
Debbie Schmutz
Elke Schofield
Beverly Scofield
Elaine Scott
Cheryl Seland
Joe Selden
Shenetta Selden
Pat Sellen
Harold Shriner
Paula Sidle
Doreen Silva

Amy Sindane
Joseph Sirico
Anne Smith
Donna Smith
Kathy Smith
Malinda Smith
Rebecca Smith
Jack Stablesen
Jeanne Steffes
Sandy Stein
Jodi Steiner
Randy Stevens
Ron Stone
Tom Swierz
George Taber
Miguelina Tabor
Barbara Taylor
Margaret Temple
Gary Thomas
Gerald S. Thomas
Ruth Thomas
Cheryl L. Thompson
Tracey Thompson
Anne Thumb
Carol Trudeau
Elizabeth True
Tom Tseng
Sharon Turecek
Donna Updike
Judy Van Gorden
Amy Vangeli
Marggy Vangeli
Linda VanNess
Dominic Versage
Donna Vose
R.W. Wagner
Kaye Westfall
Meg Weston
Camille Whately
Jeff Wilber
Ben Williams
Susan Willower
Jerry Wilmarth
Ed Wilson
Laura Wilson
Sarah Wilson
June Wood
Iona Worth
Cindy Wright
Jack Writer
David Yeh
Charles Yohn
Joel Zumoff



Donna Lawton
Mae Leckey
Darryle Lee
Karin Lee
Kathleen Lee
Peter Lee
Jayne Legro
Jim Lenna
Luella Leonard
Susan Lerner
Theresa Lewis
Carolyn Lindquist

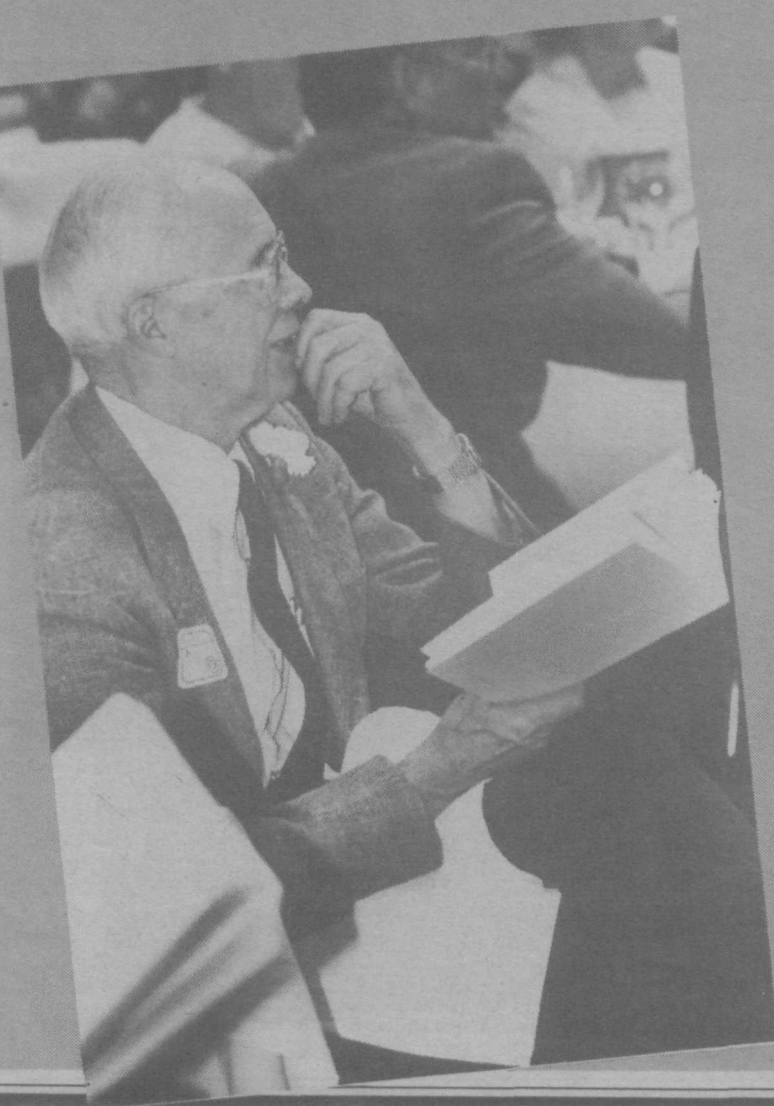
Lillie McLaughlin
Carolyn McPherson
Judy Mead
Findley Meislahn
Nancy Meislahn
MJ Michaels

Photos by
Harry Dutton

Macebearer Frank Miller, Commencement Co-Chair Jennie Farley, Commencement Coordinator Vickie Goss, President Frank Rhodes, and Commencement Co-Chair Hal Craft



**Scenes from
the
33rd Annual
Service
Awards Banquet**
Photos by Charles Harrington





33rd Annual Service Awards

The 33rd annual Service Recognition Banquet was held Tuesday evening, June 7 in Barton Hall. Five hundred were in attendance to honor long-service employees and those who had retired in the past year. Guests included the awardees - those with 25, 30, 35 and 40 years of service - and special guests - those with over 25 years of service but not receiving an award this year, and members of the Employee Assembly and the administration.

Forty Year Awardees

This year five employees were honored for forty years of service: Ralph Bacon, Facilities Engineering; Mary Baker, Public Safety; William Brown, Electrical Engineering; Velma Ray, Nuclear Studies; and Don Slattery, Campus Store.

Ralph Bacon is a senior electrical engineer and joins a long line of family members - including his parents and grandparents - who also have outstanding Cornell service records. His father and grandfather each had over 40 years of service and his mother, about 25 years.

Mary Baker is an administrative aide and when asked what she enjoys most about her job after all these years, she will tell you: "Everything. I have a love affair with Cornell." She's known for her sensitivity and interest in the welfare of others.

Bill Brown, formerly a technical service supervisor, is enjoying his well-earned retirement. He's spending time enjoying gardening, maintaining his home and lawn and tinkering with his cars. He's also known as one who loves to shop for bargains and can always find the best buy.

John Churey is a business machine technician and is actively involved in the conservation of natural areas for wildlife. He's currently planning a trip to Europe.

Velma Ray is a secretary who works for Nobel laureate Hans Bethe and she has probably worked for more Nobel laureates while at Cornell than any other secretary. Velma has also served as to the

Trumansburg Chapter Area Council of Churches for 19 years.

Don Slattery retired this year but spent his 40 years in various positions in the Campus Store including department manager and operations manager. Don is very proud of his six children, all of whom have graduated from college, three from Cornell, and three with Phi Beta Kappa honors.

Thirty Five Year Awardees

Eight employees were acknowledged this year for their 35 years of service including Joe Buttino, a research analyst in University Development; Jerry Henderson, a vehicle mechanic with Statutory College Fleet in Geneva; Terry Munsey, a secretary with Health Services; Frank Olsefski, a manager of technical services with Nuclear Studies Lab; Herbert Pallesen, a retired facilities coordinator formerly with F&BO; Sherm Tobey, a welder with M&SO; Ken Traver, a groundsman with Athletics; and Jeanette Underwood, an administrative manager in Poultry & Avian Sciences.

Thirty Year Awardees

Fourteen employees were congratulated for their 30 years with the university and include: Carl Bache, a research support specialist with Vegetable Crops; Leo Bernholz, a dairy cattle superintendent with Animal Science; Richard Cook, a sales clerk in Campus Store; Noel Desch, associate director of Materials Science Center; Dave Goddard, a dairy supervisor with Animal Science; Walt Gutenmann, a research support specialist with Vegetable Crops; Charles Guyett, a life safety specialist with Life Safety Services; Lu Lacey, an accounts assistant with ILR Publications; Ralph Lobdell, a supervisor of technical services in Nuclear Studies Lab; Dawn Marshall, a secretary who has retired from Agronomy; Dianne Prentice, a lab technician with Food Science in Geneva; and Fred Stone, an assistant foreman of the electric shop with M&SO.

Twenty Five Year Awardees

Fifty-four employees received the

quarter of a century honor this year including two husband and wife teams who each were honored for 25 years of service: Doris and Wayne Jennings and Marilyn and Fred Ward.

The 25 year awardees are: Howard Aderhold, Margaret Baisley, Les Baldwin, Ted Bateman, Bill Beck, Bill Bement, Bob Burt, Jim Bush, Bob Curtis, Marge Darchangelo, Hope Decker, Ginny Freeman, Sally Grover, Ruth Hanville, Bev Hastings, Bob Hurlbut, Doris Jennings, Wayne Jennings, Ray Jordan,

Trude Kazlauskas, Lee Knapp, Tom Kuntz, Joanne Lacey, Elmer Lehman, Wilma Liddington, Ken Livermore, Bruce Lloyd, Jack Lowe, Ben Macera, Alice Maynard, Bob McBride, Henry Miller, Bob Mulnix, Joe Multari, Margaret Murray, Thelma Parr, Linda Petro, Joyce Poyer, Mary Pratt, Lloyd Quick, Tom Reitz, Lew Reylea, Beatrice Rosenberg, Charles Smith, John Spencer, Barbara Stewart, Brigitta Stoyla, Bill Tucker, Ann Vandemark, Lee VanDuzer, Mert Wallenbaeck, Fred Ward, Marilyn Ward, and Glenda Wilson.

The employees who were honored this year have some interesting thoughts on how Cornell has changed over the years, what they remember was happening when they first began working, what work-related accomplishment they are most proud of and what they enjoy most about their work.

"HOW HAS CORNELL CHANGED OVER THE YEARS?"

"More VPs and business managers. Paper work and obligations have become enormous."

"More buildings, less parking."

"Benefits greatly improved. Conditions improved - 44 weeks to 39 weeks."

"More sensitivity to employees and student feelings."

"No longer treats employees like close family, more like distant relatives."

"Landscaping has improved tremendously."

"Research has become dominant. World class recognition has increased."

"WHAT ARE SOME OF YOUR MEMORIES OF CORNELL WHEN YOU FIRST BEGAN WORKING?"

40 years: "After World War II Cornell was in a building boom something like what is going on all over campus today."

40 years: "Cornell had leased the Glens Springs Hotel in Watkins Glen because there were so many GI students coming or returning to Cornell."

35 years: "Parking was no problem. Summer atmosphere more relaxed."

30 years: "The protest years of the '60's. The students broke a lot of windows but they woke up the establishment."

30 years: "The takeover of Willard Straight Hall. The ILR School was housed in Quonset huts."

30 years: "There used to be a street between the Statler and where Uris is today"

25 years: "Still lots of elm trees on campus."

25 years: "Preparations were under way for Cornell's centennial year. Employees were paid once a month."

25 years: "Male students wore shirts, ties and jackets to class."

25 years: "The news of Kennedy's assassination."

"WHAT WORK-RELATED ACCOMPLISHMENT-CONTRIBUTION ARE YOU MOST PROUD OF?"

"Working with Public Safety to design and install the emergency Blue Light telephone system on campus."

"Helping to establish the original judicial system at Cornell back in the '70's."

"To have been part of the 'lifeline of this campus' - the utilities team - water, steam, chill water, drainage, electric."

"The success in dealing with the 1973 energy crisis."

"Helping many a young person get a doctorate."

"The one thing I thought I would never do - learn to rely more on the computer than the typewriter."

"Keeping dorms livable for 1200 students."

"Planting trees and caring for them."

"Receiving Networking's Dedicated Service Award."

"Building many types of growth chambers and growing systems in the floriculture greenhouses."

"I was one of the first people to help incubate and hatch rare birds."

"WHAT DO YOU ENJOY MOST ABOUT YOUR WORK?"

"Everything. I have a love affair with Cornell."

"Learning new things. My education has been continuous."

"Field work and watching the crops grow."

"Working with brilliant young people and being appreciated."

"Having input on all new design and construction to see that they meet Cornell's standards and requirements."

"The challenge of reading my four bosses' handwriting."

"Providing a place where nature and beauty is preserved for everyone's enjoyment."

"Approaching retirement."



CRC News

Ithaca Centennial, German Alps Festival and Old Timer Yankee Baseball Comin' Up

ITHACA CENTENNIAL -- JULY 2,3,4
Sport fans, volunteers, history buffs -- come join the fun at Stewart Park and Cass Park. Volunteer to supervise or time such events as a road race, umpire a baseball game, time water sports events, supervise children's play fields or help serve ice cream. Don't miss out -- be a part of the celebration! Call Janet today at 5-7565 to sign up.

GERMAN ALPS FESTIVAL-- July 9
A full day of German music and entertainment at Hunter Mt. The price of \$20 includes transportation and admission. Don't miss the fun and sign up soon.
YANKEE BASEBALL -- July 16

See all of the old time Yankee greats play an exhibition game -- then enjoy the 1988 Yankees play Chicago. The price of \$35 includes transportation and game tickets. Sign up by July 11.

MONTREAL, CANADA -- August 4-7
The newly redecorated Holiday Inn Crown Plaza will be our home away from home -- right in the heart of downtown Montreal. Dinner at Le Vieux Munich (a typical Bavarian spot) with live bands and entertainment; dinner at Le Festin du Gouverneur (recreation of a 17th century banquet) and a 2-hour show; a 5-hour sightseeing tour, plus shopping at the "Underground City" are all included in the price. Sunday includes a stop at

Alexandria Bay at the Pine Tree Inn estate. Trip cost is \$248, double occupancy, and must be paid for by July 8. Please call CRC for more information.

MARK TWAIN DRAMA -- August 20
Spectacular works of Mark Twain will make an exciting evening in Elmira -- lavish sets and a cast of 60. Deadline to sign up is July 14 and \$20 per member fee is due July 19.

UPCOMING TRIPS
Buffalo Bills football
Boston in October
Deep Sea fishing
Outlet shopping
Radio City Music Hall
Caribbean Cruise



Scenes from the recent CRC steak dinner dance.



On a cold Thursday morning, April 21, 42 CRC members and friends left A Lot for a 3-night, 4-day trip to Washington, DC. The farther South we traveled, the more spring-like it became.

The Marriott Crystal Gateway in Arlington, VA was our home away from

home. It was a very lovely hotel with 200 plus shops located under it. A shopper's paradise!

The highlight again this year was the "Lazy Susan" Dinner Theatre. The food was great and the show, "Sound of Music" was superb. Our all-day tour of Washington was enlightened and it was especially nice to have Matt McHugh meet our group on the Capitol steps and have his picture taken with us. The Smithsonian is always very popular and on Saturday we spent the day there. As a side trip we went to Old Alexandria where we were able to shop, eat or just browse.

All too soon it was Sunday and time to leave the luxury of the Crystal Gateway. Once aboard our Swarthout and Ferris bus we traveled to Mt. Vernon where we enjoyed George Washington's estate. It was a lovely day, and the flowers were in full bloom. We again boarded our bus and headed for home where we arrived about 10pm, after a 2-hour traffic tieup outside Wilkes Barre.

Many thanks to our bus driver, Don Cooper. He was just great and we are looking forward to his being our driver on future CRC trips - namely Boston!

By Donna Vose

**Report on
CRC's
Spring
Washington
Trip**

"Make a Difference the United Way"

1988-89 Campaign Kicks off September 30



The United Way committee, under the leadership of Mary Nicotera and Keith Kennedy, is now making plans for this year's September 30 Cornell campus kickoff. Linda Van Ness is campaign coordinator.

Last year the Cornell campaign was a great success and raised over \$413,000 which was put to use in 1988 to provide vitally needed services for Tompkins County residents.

You will be hearing from a colleague in your work unit in early fall who will ask you to consider making a United Way contribution or pledge this year and "Make a Difference the United Way."

Thanks to you and your caring contribution last year, the following agencies and programs were able to continue their work and also provide new services.

Thanks To You --

GADABOUT will continue to provide thousands of countywide trips, transporting over 1,800 elderly and handicapped Tompkins County residents to medical appointments, grocery stores, and social events.

THE RED CROSS will collect over 6,700 units of life-saving blood.

THE TASK FORCE FOR BATTERED WOMEN will be able to give shelter, support, advocacy, and childcare services to hundreds of women and children victimized by domestic violence.

THE SPECIAL CHILDREN'S CENTER will help developmentally disabled children to meet new friends and to learn new skills through their on-site preschool.

THE RED CROSS will continue disaster services, training for health and safety certificates, and emergency shelter and services for over 5,500 Tompkins county residents.

THE DANBY COMMUNITY COUNCIL will publish its local free newsletter -- The Danby Area News -- and will provide activities for those of all ages, including a preschool program.

THE GROTON COMMUNITY COUNCIL will continue to support the Groton public library, Babe Ruth Baseball, and the Child Development Center.

THE ALCOHOLISM COUNCIL will counsel and support people of any age who are suffering from the abuse of alcohol.

CHALLENGE INDUSTRIES will provide training and sheltered employment opportunities for developmentally disabled adults.

DISPLACED HOMEMAKERS will continue to provide counseling, job training, support groups, and lawyer referral to women adjusting to such crises as widowhood and divorce.

THE DAY CARE COUNCIL will provide our community with a myriad of day care services, including information and referral, a car seat loan program, day care scholarships for the needy, and the Teen Pregnancy Parenting Program.

THE MENTAL HEALTH ASSOCIATION will be able to educate Tompkins County about mental illness, serve as an advocate and research center for the mentally disabled, and provide supportive one-to-one matches between community residents and those reentering the community through the Aurora Street Friends Program.

NEIGHBORHOOD LEGAL SERVICES will continue to represent the economically disadvantaged in legal matters.

THE LEARNING WEB will help youngsters to learn new skills through

"hands-on" experience as apprentices to experienced adult employees countywide.

CAMP FIRE will provide social and educational opportunities for both boys and girls through club programs, summer camp, and swim programs.

SUICIDE PREVENTION & CRISIS SERVICE will continue to support the community through educational presentations and literature about suicide, adolescent outreach programs, and the 24-hour crisis intervention hotline.

THE SALVATION ARMY will provide emergency financial assistance to those in need in Tompkins County.

FISH will provide volunteers who give transportation to county residents who must get to medical and other necessary appointments.

GREATER ITHACA ACTIVITIES CENTER will continue to provide a group of programs with a multi-cultural emphasis for all ages including summer camp, senior citizens trips and programs, after-school activities, an educational media access center, and teen workshops.

OFFENDER AID & RESTORATION will support prisoners both in and out of the jail system through counseling, one-to-one matches with community volunteers, and advocacy services.

FAMILY & CHILDREN'S SERVICE will provide individual and family counseling services on a sliding fee scale that allows all county residents to be served.

YMCA will continue to educate the community about general healthy living through their aquatics program, youth and family development program, and health & fitness services.

GIRL SCOUTS and BOY SCOUTS

will provide educational and social opportunities for youth through troop activities that are open to all.

SOUTHSIDE COMMUNITY CENTER will serve Tompkins County residents of all ages in its after school programs, summer camp, job training, the Viola Scott Daycare center, and youth and family support services.

THE ULYSSES COMMUNITY COUNCIL will serve educational and social needs through its Conservatory of Fine Arts, Emergency Aid Fund, summer recreation program, Community Nursery School, and the Philomathic Library.

THE LANSING COMMUNITY COUNCIL will provide year-round recreation, senior citizens activities, and local groups of Boy Scouts and 4-H.

THE ENFIELD COMMUNITY COUNCIL will publish its local free newsletter, and will provide the Afterschool Enrichment Program and summer camp for area youth.

CAMPFIRE through the Self-Reliance Program will teach over 145 youth the safety skills when they are left alone or approached by a stranger.

SENIOR CITIZENS COUNCIL will continue their countywide program to reach seniors in rural areas who can not participate in activities at the Senior Center. These programs include health forums and clinics and involvement in "Senior Time" radio program.

SENIOR CITIZENS COUNCIL can continue its Cope & Hope peer support group to help other seniors address the problems associated with aging, like the loss of a loved one or the knowledge of disabling disease that they now must live with.

Recycling Forum Scheduled for 7:30 Tonight

A public information forum on recycling and solid waste on the Cornell campus is scheduled for tonight, Thursday, June 23, from 7:30pm to 9pm in Kaufmann Auditorium, Goldwin Smith Hall.

This forum is sponsored by the Cornell Waste Watchers, an employee, student, and faculty group working toward the goal of solid waste reduction and university-sponsored recycling at Cornell.

The purpose of the forum is to educate the Cornell community about the immediacy of the Tompkins County solid waste problem and its probable impact on Cornell as a major county waste generator; publicize the opportunities that are available to Cornell for cooperating with the county; learn from other institutions how to reduce solid waste through the implementation of a comprehensive recycling program; bring Cornell administrators, county officials, and members of the Cornell community and concerned public together for dialogue; and make the expressed concerns and proposals part of the public record.

The moderator will be Ellen Harrison from the Waste Management Institute, Center for Environmental Research, Cornell University.

She will note the statewide context, the landfill crisis, the provisions of the New York Solid Waste Management Act of 1988 that are relevant to Cornell, and the mandatory recycling measures taken by other states whose landfill crisis occurred sooner than in NY.

Tracy Frisch, a Cornell graduate student, and Waste Watcher founder will explain why the Waste Watchers came into existence and state the purposes of the forum.

Barbara Eskstrom, solid waste manager, Tompkins County Department of Public Works will present the county's plans for solid waste reduction and recycling and the impact on Cornell. She will highlight pertinent information from the county's Phase II Report on Solid Waste and indicate opportunities within the framework of the county's plans which would assist Cornell in implementing a recycling program.

Frank Proto, chair of the Solid Waste

Committee, Tompkins County Board of Representatives will discuss how waste reduction by Cornell, as a very large waste generator, would benefit the county. He will describe the impact of Cornell's action on recycling on community relations with the county and its municipalities and note why solid waste is a big issue in the county: reasons for and effects of DEC regulations, the closing of the present landfill, difficulties siting the new landfill, expected costs for the new landfill, how those costs might be paid, and costs of trucking and disposing of garbage out of the county if the present landfill is closed before a new one can open.

Harold D. Craft, associate vice president, Facilities and Business Operations, Cornell University, will present the division's proposal for a comprehensive campus-wide recycling program. He will out-

line the goals, scope, and mechanics of the program, including targets for percentage recycled materials, budgetary projections, organization and coordination of program, personnel, impact on employees, monitoring component, and implementation plan. Craft will also make suggestions regarding the role of other divisions, such as in the area of public education and note additional needs and issues.

William Gurowitz, vice president for Campus Affairs, Cornell University, will respond to the concerns raised by the previous speakers concerning Cornell's contribution to reducing solid waste in the county and the importance of an effective recycling program at Cornell. He will propose concrete plans for how Cornell can begin to make a difference and discuss the steps to be taken by various departments to publicize the issue, to educate members of the Cornell

community on how to and why recycle on campus, and how to train key staff members for effective program implementation.

Ray Ching, recycling coordinator, Special Assistant for Mandatory Recycling, Rutgers University, New Brunswick, NJ, and president, Association of NJ Recyclers will briefly describe the components of Rutgers University's effective recycling program and address perceived and real obstacles that will face Cornell in developing and implementing campus-wide recycling and suggest solutions to these possible problems.

There will be time for questions and comments from the audience and panelists which will follow the formal presentations.

Note: Today there will also be a seminar from 2:30-4pm offered by Ray Ching on problem of solving in recycling. Location: Edwards Room, Anabel Taylor Hall.

Getting It Together

The staff at Space Sciences Building is utilizing some of the SPACE as an aerobics studio. Every Monday, Wednesday and Friday at noon, classroom 105 serves as a gym for a self-motivated wellness program. Everyone had been reading about the importance of exercise so the staff at Space Sciences decided to do something about it.

Sylvia Corbin was the obvious person to turn to. An administrative aide in the Center for Radio Physics and Space Research, Sylvia has been showing ten others the way for at least the last ten years. She could be seen jogging during her noon hours all around the campus.

About three years ago Sylvia decided that she needed more exercise so she joined the Fitness Club. She says that she can't say enough about the program. And those who know Sylvia are convinced that she is right. Although she has been at Cornell for several years, she looks to be about 21 years old or younger. Her colleagues are convinced that it is exercise, so they wanted to get in on the act.

The group is starting slowly and work-

ing up to speed. They only exercise for ten minutes. The response is, "I feel so great after exercising. Why didn't I start doing this long ago?" Sylvia says that although jogging is good, it is not enough. All muscles need to be exercised. Complete flexibility comes from a well-developed exercise program.

Many progressive organizations are discovering that a wellness program pays off. People who work an eight-hour day and then spend time cooking and taking care of other household chores, cannot find the time to join a fitness program. The answer is to bring health concerns into the work place. An exercise program can cut health care costs but it also does much more. The worker feels better and hence produces more work in a more pleasant mood. Dollar savings alone are only a part of the benefits.

Sylvia Corbin and her aerobics group may have set the pace for other departments to follow. The program was strictly self-motivated by those who felt that something was lacking. They wanted to get it all together.

Make A Difference

Make a difference, by lending support so someone in need of a friend. The Mental Health Association's Aurora Street Friends Program matches caring volunteers on a one to one basis with people who are experiencing serious mental health-related problems.

Volunteers and their counterparts spend an hour or so each week, enjoying recreational and social activities. Volunteers also provide support during difficult times, and help their friends to access desired information and service.

Training for new volunteers starts in June. Call Paul Loiselle at the Mental Health Association at 273-9250 for more information about how you can become involved.

Marge McKinney to Head Management Group

On April 27, more than 20 current and former Cornell members of the Ithaca Chapter of the International Management Council met at a luncheon in the Hagan Room, Schurman Hall. A talk on the research and building plans of Cornell's new biotechnology program was given by Ray Snyder, executive director.

Marjorie McKinney, administrative manager of Veterinary Pharmacology, became president of the approximate 120-member Ithaca Chapter effective April 1, 1988. Recognition was also given at the luncheon to other Cornell members who will hold offices during 1988-89: Donna Flynn, chairperson of key representatives; Luella Sullivan, chairperson of publicity; Joan Wilen, newsletter editor; Joan Miller, director on the executive board; and Susan Stein, 2nd vice president. Membership is open to persons employed or interested in the fields of supervision and management. Any Cornell employee interested in membership may call Patricia Rollins, key representative for Cornell, at 5-7659.

Gerry Thomas, deputy director of the Office of Human Resources, congratulates Marge McKinney on the plaque awarded to her by the Ithaca Chapter of IMC for her service in implementing and instructing in the certified manager program. McKinney completed her CM accreditation in December 1986 and became president of the Ithaca IMC on April 1, 1988.

Gerry Thomas, Marjorie McKinney



Employees

Continued from page 1

systems and designing data base programs. Gaining a measure of self-confidence because of having reached an important goal transfers over into daily contact with others."

Dave Vaughn: "I am certainly much better at what I do than I was three years ago. I feel I contribute much more to the forage breeding program now. And I have gained satisfaction from the learning experience and the personal growth that ensues."

How does an employee manage both work and school time? Your supervisor can assist you in scheduling release time for course work, giving due consideration

to the department's personnel and operations requirements.

Vickie Goss noted, "There was never a time I had any trouble scheduling classes. My supervisors have always been extraordinarily understanding about absences and scheduling conflicts."

The graduates found support from many sources along the way. Dave Vaughn: "One big help was that Training and Development was always there to answer my questions and help me work out a long-range plan that worked."

Robin Gowin said his supervisor, Joe Veverka, was extremely supportive, as was another faculty member that he now works with, Peter Gierasch.

Janet Gray, assistant bursar received her BS from Human Ecology this spring and stated that other Employee Degree

candidates, fellow students and Training and Development supported her along the way.

Dave Vaughn said that his supervisors, his special committee and his MacPlus - not necessarily in that order - were all very helpful. "Special thanks to Judith Atcheson, manager of Training and Development, who was always willing to help me solve the problems I encountered," Dave said.

Cindy Thomas, an accounts assistant at Plantations, received her BS in Human Ecology this spring. She noted that her academic advisor, Jean Robinson, helped her develop a plan to finish her degree and the encouragement to stick with it. Cindy also found support from the Mature Student Association in Human Ecology.

We asked the graduates if they had advice for those who might be considering the program.

Vickie Goss: "I would encourage anyone to make the commitment. The rewards are enormous - well worth the time and energy costs."

Janet Gray: "This is a wonderful opportunity - a long struggle but worth it."

Dave Vaughn: "My recommendation to other employees considering this route is that the rightful goal must be not promotions and salary increases but the individual's own personal growth and development. Overall, my experience with EDP has been a positive one. I am still participating in the program and hopefully some day will complete my PhD."

Employee Degree Program Graduates

NAME	TITLE	DEPARTMENT	DEGREE	COLLEGE
Glenn Applebee	Program Specialist	Cooperative Extension	PhD	Agriculture & Life Sciences
Ruth Constantine	Director of Administrative Operations	Human Ecology Administration	MBA	JGSM
Vickie Goss	Commencement Coordinator	Commencement	MBA	JGSM
Robin Gowin	Systems Analyst-Programmer	CRSR	MEng	Computer Science
Janet Gray	Assistant Bursar	Bursar	BS	Agriculture & Life Sciences
Roger Kaplan	Research Support Specialist	LNS	MEng	Engineering
Chris Pelkie	Senior Technical Consultant	Residence Life	MPS	Africana Studies
Joseph Scantlebury	Resident Director	Computer Services	MPS	CALS
Karl Schmid	Director	M&SO	MBA	JGSM
Edward B. Swayze	Research Instruction Maker	LASSP	Policy Analysis	Human Ecology
Lucinda Thomas	Accounts Assistant	Plantations	BS	Human Ecology
David Vaughn	Research Support Specialist	Plant Breeding	MS	Agriculture & Life Sciences

Leadership Leads

"We Did It Ourselves"

By George Peter

Thanks, but no thanks.

Some time ago I ran a Leadership Leads column in which I quoted the great Chinese philosopher, Lao-Tse who said: "As for the best leaders, people do not notice their existence; the next, the people honor and praise; the next, the people fear; and the next, the people hate. When the best leaders' work is done, the people say, 'We did it ourselves'."

By that definition of a leader, I am a failure because the community recently honored me. If I had been the real leader, the people would have said, "We did it ourselves." And they actually did do it themselves. None of the things accomplished could have been done without the team effort of a lot of people.

The only reward I ever needed was to see the results of so much team effort and to have the satisfaction of working with so many really dedicated and talented people. In particular, the editorial board of Networking, the Employee Day committee and the Employee Assembly members have all been absolutely terrific.

Let me tell you who really deserves recognition for dedication, talent and much hard work: Donna Updike, Donna Vose, Joan Heffernan, Dwight Widger, Mick Ellis, Bill Genter, Pete Mariano, John Bender, Dominic Versage, Peg Landau, Ann Marcham, Susan Boedicker, Andrea Hodges, Al Reed, Kurt Kabe-

lac, Daryl Dunn, Harry Dickson and the list goes on to fill much more space than I am allotted. These are just a few. All of the Employee Assembly members (past and present), the members of the various committees, the Smoking Commission, the Cornell Recreation Club Board of Directors and other workers, all have given untold hours of their time and talent. In most cases this is done in spite of an al-

ready too busy schedule.

And even so, we have only touched the surface of the many volunteer groups on campus. There are all of the people involved in the Credit Union -- Dave Pull-eyn, Ron Furry, Margaret Seacord, June Franklin, Roger McCarthy, and that list goes on and on also. We saw over 300 volunteer ushers in action on graduation day. Each of you can make a list of your own of the multitude of volunteers on this campus.

This truly is a remarkable community. None of us ask for recognition. We are just proud to be part of this great university.

Paying Attention to Leadership: An Ongoing Challenge

by George Peter

Every picture has a message.

The old mill, pictured here, was built in 1823. It was the first steam operated mill built west of the Hudson River. It is told that the owners went broke because the farmers were afraid of the damage steam would do to their grain.

However, that is not the message of this picture. The mill still stands in Aurora but it is in even worse condition than when this picture was taken about five years ago. You will note that the edifice has decayed from the top down. The foundation and side walls were built to last for centuries and would have. When the roof decayed, moisture crept into the mortar of the side walls and the damage began to work its way down.

Organizations are like edifices. They decay from the top down. The best structure does not survive if the leadership is not maintained to protect the integrity of the work force. If an organization is not functioning properly, there really is only the leadership to blame.

Harry Truman liked to say, "The buck stops here." Cornell recently spent millions of dollars to repair and replace several of the decaying roofs on campus. Every indication is that the same attention is given to its leadership.

To give the same kind of attention to leadership at all levels (all the less formidable roofs) is a major and an on-going challenge. It takes the alertness of all of us to help the maintenance process.



Unclassified Ads

- 1. Please send all unclassified ads through Campus Mail ONLY to Networking Unclassifieds, Humphreys Service Building, (hand delivered ads will be omitted) - no phone calls please.
- 2. For our information your name and campus phone number MUST be submitted with ads, otherwise your ad will be omitted.
- 3. All unclassified ads are free of charge to Cornell faculty, staff and students and will be printed in the order received as space permits.
- 4. Please limit your ad to 30 words or less. Any ad longer than 30 words may be shortened by the Networking staff.
- 5. Unclassified ads are for nonbusiness purposes only.
- 6. The deadline for the July 21st issue is July 11th.
- 7. If an error appears in your ad, please resubmit the ad to be published in next available Networking.
- 8. Please submit an ad for each issue that the ad should appear in.

For Sale

1972 Columbian 15' fiberglass boat, 55 hp Chrysler outboard, many accessories, 1972 Seali trailer, very good cond, asking \$2,200. 594-2777 eves or weekends.

1973 Honda CB750, 4 cyl with luggage rack and sissy bar, \$600. Sheryl 5-2693 or 272-4565.

1976 Camaro LT-1, 350 small cu. vinyl top, custom paint, hood-scoop, AC. Southern car, 68k miles, \$2,995 neg. Paul 274-4308 days or 589-6662 eves.

1978 Chevy Impala 9 passenger wagon, AC, stereo, cassette, 350 engine, Ziebarted, 79k miles, exc cond, \$1,795 neg. Call 5-9331 or 844-4787 after 6pm.

1979 Chevy van, half-ton, 2 sets of tires -- brand new chrome wheels and Eagle STs, standard chevy wheels-tires, great shape, \$3,500 neg. 347-6698 eve, 5-8360.

1979 Ford LTD, 48,300 miles only, many new parts, rebuilt carburetor, visiting professor leaving, must sell, asking \$1,100 neg. Nag 277-7121, 5-5248, messages 5-4013.

1980 Honda Civic, 1300 DX, 5-spd, new radials, brakes, tune-up, paint, reliable car. Brenda 838-3696 eves.

1980 Honda Civic 1500 GL, mechanically exc, AM-FM stereo with tape, air, new tires (s), recent battery and exhaust, \$1,900. 532-4309.

1980 Kawasaki 440 LTD, new tire, just tuned, inspected luggage rack, black, \$600. Fin 5-1218 or 273-1983.

1980 Ford Fairmont wagon, 6 cyl std trans, good shape,

radial tires, new paint, new brakes, great second car, \$1100 OBO. 564-9053 after 2pm.

1980 Honda moped, exc cond, well maintained, very reliable and fun too, \$200. 5-7535.

1981 Colt Hatchback, 4 spd, AM-FM cassette, many new parts, body fair, \$795 or make offer; Tunturi rowing maching, exc cond, used 5 times, \$75. 5-3206 days or 594-2777 eves.

1983 Subaru 4-dr sedan, 5-spd, AM-FM, clean interior, some rust, 64k miles, \$3,000 firm. 273-9421 after 6pm.

1984 Ford Econoline van, 40k miles, two-tone brown, automatic, exc cond. 844-4590.

1985 Honda Civic DX, AM-FM stereo with tape, air, 28k miles, can be financed, \$6,000. 532-4309.

1986 Nissan pickup with cap, 5-spd, low miles, mint cond, assume payments with no down OBO. 272-1481 after 6pm.

1986 Honda Rebel 450, like new, very few miles (about 1,200), serviced last Oct, stored for the winter, smooth riding, must sell. 5-4181 8-4 or 564-7339 after 5:30pm.

All season radial tires (Sears, Michelin), P205-75R14 (light truck); 2 RoadHandlers 45's, used 9 months, asking \$30 each; 2 RoadHandlers 50's, used 5 months, asking \$40 each, exc tread on all 4. M.J. 5-4706 (O), 272-9491 (H).

Free standing Franklin stove, \$50, good for cabin or home. Sharon 5-3565 or 659-5414.

Photographic enlarger Omega model D, print dryer, timer, complete darkroom accessories, \$275. Keith 257-1914 or 5-4444 leave number and message.

IBM PC XT, 640k, 20Mb hard disk with controller, 360k Toshiba disk drive, turbo speed in motherboard, 7 expansion slots, parallel port, serial port, multi I/O game card, 150 watts power supply, Hercules compatible monographic card, 12" monochrome amber monitor, \$895 OBO. 257-1583

Montgomery Wards sewing machine, sleeve arm, stitch varieties, never used, \$100. Penny Price 5-8360 work or 347-6698 home.

Used Beta VCR tapes, \$.50 each. bonnie 5-1003.

Antique dresser, 5 drawers with a hat box and mirror, remarkable cond. 844-4590.

Mattress, double, 1 yr old, \$25; 12" TV, \$25; 2 end

tables, \$10 each; exercise bike, 30 miles on odometer, \$50. Joanna 277-5940.

Twin bed with mattress, spring and mahogany headboards, exc cond, best offer over \$75; girl's 3-spd bike, best offer over \$35. 5-1884 days or 564-7675 eves and weekends.

30"x48" Bevelled glass mirror, never used, \$65; 36" gas stove (caloric) older, works perfectly, \$50; bunk bed set (no mattresses), \$25; Sears shop vac (with attachments), \$100; wedding gown with seed pearl hat, size 5 (never used), \$50. 272-8795.

Kitchen table, wood, round, 4 matching chairs, good cond, \$100. 347-6698 ev, 5-8360.

Elec stove with double self-cleaning ovens, good cond, \$50. Jane 5-7398 or 257-3995.

Bicycle, men's 24" kits, good cond, \$100. 5-7195, 277-6011, leave message.

Color TV, Sears 13", 11 months old, \$90; airline tickets, New York - San Fransisco, one way, July 12, 1988, 4:15pm, 2 tickets, \$100 each. 5-6555 or 257-2308 P.O. Edlund.

Vacation certificate for 3 days and 2 nights for 2 in the Poconos, indoor pool, saunas, complimentary greens fees with cart, gameroom and other entertainment, discount coupons also. Maureen 5-4606 or 594-2296.

Point 4 kt diamond ring, beautiful tiffany setting, appraised at \$750, asking \$500; Sears rowing machine, \$50. Laurene Mongelli 5-7358.

14x8x6 concession trailer, 110 & 12 volt wiring, gas outlet, fully insulated, serving windows with roll-down awning, rear fold down door, texture 111 siding, unequipped, 844-4590.

10'x14' metal Arrow storage building (the Hamlet), exc cond, bought new 12-87, 61" door height, asking \$250. M.J. 5-4706 (O), 272-9491 (H).

Affordable mobile home, 12x60 ('70) in Hillside Acres. 277-3144 5-8pm.

12x45 mobile home, fully furnished, many extras, in park, 4 miles to CU, \$5,000 neg. 5-2420 days or 844-9218 eves.

3-4 bdrm home, country setting, 2 car garage, very large rooms, massive master bdrm, newly remodeled, bav

window in dining room, simply beautiful, \$64,500. 277-1830 leave message.

House, beautiful home on S. Geneva St., downtown, 4 bdrms, 2 full baths, full attic and basement, 2 car garage with carport, covered front porch, rear deck, asking \$109,000. Bob 277-5215 or 5-4738.

Townhouse, Commonland 2 bdrm, walk to CU, near downtown, private, sunny, woodsy setting with gardens, nice woodwork, extra storage, carefree living in energy efficient style, \$57,500. Eileen 273-8887 or 5-2467.

Angora goat kids, \$100-\$200; mohair, \$6-\$10 per lb; wool, \$1.75-\$2.00 per lb; eggs \$.40 per dozen. Laura 564-9223.

Guinea pigs, born 4-1-88, short hair, multicolored, one male, one female, \$5 each. Sue 5-4342 or 273-2001.

Free

To good home, spayed female cat, grey and white long-hair, declawed. 5-6890 or 589-6454.

Wanted

Used beds, desks, dressers, chairs. Wanda 272-7635 or 5-7464.

Baby back pack with metal frame. Wanda 272-7635 or 5-7464.

Used but clean file cabinet. 277-3144 5-8pm.

Pool table. 5-6135 or 347-4609.

Working air cond to fit small (approx 18x29) window, willing to pay around \$100. 347-6698 eves 5-8360.

Laboratory balance in working cond. Claude 5-4206 or 273-5457.

For Rent

1988-89 academic year, large house in collegetown, suitable for 5 occupants, \$210 each. Wanda 272-7635 or 5-7464.

Furnished, 2 bdrm lake cottage, on shoreline at Myers Point, Lansing, 15 min drive to CU, dock and parking, \$475 plus utils, avail Aug 22-May 31. Carol 273-9133 or Sandy 5-8216.

Fall Creek, classy 2 bdrm apt for quiet grads or professionals, wood floors, kitchen with new oak cabinets, bright, storage, no pets, Aug 15 yr lease. \$540 plus low utils. 272-8795.

House, fall 1988, 10 min from CU, 4 bdrm, 1 1-2 baths. Marge 5-4088 or 277-6933.

Fall Creek 2 bdrm in quiet Victorian, eat-in kitchen, full bath, hardwood floors, private porch, off-street parking, \$605 includes heat. 277-6690 eves or 5-2708 8-4:30pm.

Aug 1, 3 bdrm house, 3 miles south of commons, max 3 adults, no children, pets ok, \$500 plus, well insulated, woodstove, quiet, must be good caretaker, references. 272-5808 eves.

Wanted to Rent

Responsible working couple seeks unfurnished house-duplex to rent starting July. 5-1582 days or 272-4680 eves.

Employee Calendar

Events of Particular Interest to Cornell Employees

Thursday, June 23. Breakfast with Senior Vice President James E. Morley.

Wednesday, July 6. Employee Assembly meeting. 12:15-1:45pm, 3rd floor Day Hall Board Room.

Saturday, July 9. German Alps festival. Call the CRC Office, 5-7565 for ore information.

July 14-23. Canadian Rockies 20-day, 9-night trip. Call Stone Travel, 257-2515 or the CRC Office, 5-7565 for more information.

Wednesday, August 3. Employee Assembly meeting. 12:15-1:45pm, 3rd floor Day Hall Board Room.

Networking Deadlines

July 11 for July 21
August 15 for August 25
August 29 for September 8
September 12 for September 22
September 26 for October 6
October 10 for October 20
November 7 for November 17
November 28 for December 8
December 12 for December 22
January 9 for January 19, 1989
January 23 for February 2, 1989

Unclassified Ads Address Change

Please send all unclassified ads to Networking Unclassifieds, Humphreys Service Building

Water System Lead Notification

Lead is a naturally occurring metal found in low levels in the earth's crust and in most ground and surface waters. The United States Environmental Protection Agency (EPA) sets drinking water standards and has determined that lead is a health concern at certain levels of exposure. There is currently a standard of 0.050 parts per million (ppm). Based on new health information, EPA is likely to lower this standard significantly.

Part of the purpose of this notice is to inform you of the potential adverse health effects of lead. This is being done even though your water may not be in violation of the current standard.

EPA and others are concerned about lead in drinking water. Too much lead in the human body can cause serious damage to the brain, kidneys, nervous system, and red blood cells. The greatest

risk, even with short-term exposure, is to young children and pregnant women.

Lead levels in your drinking water are likely to be highest: if your home or water system has lead pipes; if your home has copper pipes with solder; if the home is less than five years old; if you have soft or acidic water; if water sits in the pipe for several hours.

Lead levels in naturally occurring New York State waters are in all cases lower than the New York State and Federal drinking water standards.

Elevated lead in drinking water is usually linked with the use of lead pipe or lead solder in copper pipe. Some drinking waters are very corrosive. A corrosive water has a tendency to dissolve the metal it is in contact with. This may accelerate the leaching of lead into drinking water. However, even waters with relatively low

corrosivity can cause lead to be dissolved if the water is allowed to sit in the plumbing and undisturbed for at least six hours.

The drinking water supplied by Cornell University is minimally corrosive. However, tap water may still contain lead. Exposure to this water can be minimized by running the tap water until cold to the touch before drinking.

Cornell University is taking the following steps to minimize lead exposure:

1. No lead solder for copper pipe.
2. Drinking water is routinely tested for lead and corrosivity.

If you think your plumbing has lead pipes, or are concerned about possible lead in your drinking water, an inexpensive test can be done to find out. Contact your local health department for more information, or contact the Cornell University Water Filtration Plant at 5-3381.



during the first reimbursement period in January (around January 18, 1989) please make sure you submit your claims to us by the December 22nd date.

Campus Address Change

If your campus mail is incorrectly addressed or you have recently changed work locations, to correct the address, please send the following information to Human Resource Information, 147 Day Hall: your name, your social security number, new address. Allow three weeks for the change to become effective.

Editorial Board

Donna Updike
George Peter
John Bender
Dominic Versage
Peg Landau
Ann Marcham
Graham Stewart

rlis
am
sl

Human Resources Liaison
Laurie Roberts
Production
Cheryl Seland

EA Communication Committee
Ruthanne Broderick
Alberta Calihan
William Herman
Dean L'Amoreaux
Madeline Langan
Judy McPherson
Kathleen O'Brien
Anita Stuever
Donna Vose

1988 Holiday Schedule

The following holiday schedule for nonacademic employees is listed below.

HOLIDAY
Independence Day
Labor Day
Thanksgiving

Winter Holiday Period (6 days)

CORNELL'S DAY OF OBSERVANCE
Monday, July 4
Monday, September 4
Thursday, November 24
Friday, November 25
Monday, December 26
Tuesday, December 27
Wednesday, December 28
Thursday, December 29
Friday, December 30
Monday, January 2, 1989

If you have any questions regarding the holiday schedule, please call Employee Relations at 5-7206.